

PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

**24 YORK STREET
ROCHESTER, NEW YORK**

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1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this report for the City of Rochester (Client) in accordance with the provisions of a proposal dated March 14, 2019 and executed by the Client on April 3, 2019. This report describes the results of a Preliminary Phase II Environmental Site Assessment (Preliminary Phase II ESA) completed at the property addressed as 24 York Street, Rochester, New York (Site). The approximate 0.17-acre Site is currently an asphalt-paved parking lot that is associated with a church located on the adjoining 32 York Street parcel to the north. A project locus map is included as Figure 1.

1.1 Background

A December 20, 2017 (revised January 3, 2018) Phase I Environmental Site Assessment (Phase I ESA) report completed by DAY identified the following as recognized environmental condition(s):

1. Historic Uses of the Site

A review of historical resources indicates that the Site was used as a blacksmith shop and a wood working shop in at least 1892; a blacksmith shop, wagon shop, and painting and harness shop in at least 1912; an auto repair facility in at least 1924; a gasoline station (with at least eight underground tanks) from at least 1925 through at least 1954; an auto repair facility and blacksmith shop in at least 1929-30; a blacksmith shop in at least 1935 and 1950; an auto repair facility from at least 1941 to at least 1973; and an auto sales facility in at least 1978. The potential exists for contamination of the Site by possible discharges of hazardous and/or petroleum substances/wastes to the former building (i.e., via floor drains, etc.) or property (i.e., via underground storage tank [UST] systems).

City of Rochester records indicate that at least eight storage tanks (i.e., presumed to be USTs since the tanks were associated with a gasoline station) and six pump dispensers were installed on the Site, and that six USTs were removed from the property in 1981. As such, the possibility that additional USTs are still present on the Site could not be ruled out with the available information. In addition, tank closure documentation regarding the USTs that were known to have been removed was not provided to DAY as part of the Phase I ESA. Therefore, the conditions encountered at the time of the tank removals were not known.

City of Rochester records included permits for flammable storage and the storage of acetylene/flammable gas dated 1996 and 1997. [Note: according to City of Rochester Building Department records, buildings formerly located on the Site were demolished in 1981; the reason for the discrepancy is unknown.]

In addition, a Fire Safety Inspection dated July 1978 indicated that the Site was used as an auto painting facility; there was an “unused auto elevator to 2nd floor”; there was a “manhole-size cover over drain – south side center”; flammable paints and solvents were observed; and, violations identified included “...poor housekeeping – floor opening”.

2. Historical Uses and Regulatory Listings of Adjoining/Nearby Properties

Provided below is a summary of information that was obtained as part of the Phase I ESA that suggests a recognized environmental condition in relation to the Site that is associated with historical uses and regulatory listings of adjoining/nearby properties:

- A Federal Brownfield Site identified as “68-92 Genesee Street” located at 68-92 Genesee Street which is located approximately 0.2 miles south/southeast (i.e., assumed hydraulically crossgradient/upgradient direction) of the Site. This property is identified as a former dry cleaner, automobile sales and service facility, and a gasoline station. This property is also identified as active New York State Department of Environmental Conservation (NYSDEC) Spill/Leaking Storage Tank (LST) #1603662. Contamination at this nearby property reportedly includes tetrachloroethylene (i.e., a chlorinated volatile organic compound [CVOC]).
- Historic uses of properties that adjoin the Site to the south (i.e., assumed hydraulically crossgradient/upgradient direction) across Ruby Alley include auto repair facilities, a coal company, tailors, a milliner, a sewing machine company, a sheet metal worker, “mill remnants”, various heating contractors, etc.
- Historic uses of properties that adjoin the Site to the west (i.e., assumed hydraulically crossgradient/upgradient direction) across York Street include auto repair facilities and a locksmith.
- In addition to NYSDEC Spill #1603662 discussed above (located at 68-92 Genesee Street), the following six closed/inactive NYSDEC Spill/LST incidents occurred on adjoining/nearby properties:
 - Four NYSDEC spills (i.e., #8503751, #8706240, #8907250, and #0550459) occurred at 926-936 West Main Street, which adjoins the Site to the south across Ruby Alley (i.e., assumed hydraulically crossgradient/upgradient direction of the Site).
 - NYSDEC Spill #8906360 occurred at 32 York Street, which adjoins the Site to the north (i.e., assumed hydraulically crossgradient/upgradient direction of the Site).
 - NYSDEC Spill #1301329 occurred at 904 West Main Street, which is located approximately 30 feet (ft.) southeast (i.e., assumed hydraulically crossgradient direction of the Site) and was reported on May 8, 2013. The Spill Report Form (SRF) states, “...there was a rectangular shaped UST found at the site...Sampling results are mostly below DEC Guidelines (a few minor exceedances)...MZ indicated that a soil management plan can be prepared to address residual impacts or the impacts can be excavated”. Information previously obtained by DAY regarding this spill incident state that analytical results obtained indicated that petroleum-related semi-volatile organic compounds (SVOCs) and the metals mercury and lead exceeded their respective CP-51 guidelines for Unrestricted Use Soil Clean-Up Objectives (SCOs). In addition, benzo(a)pyrene, an SVOC was detected above its NYSDEC Part 375-6.8(b) Restricted Use SCO for a commercial site.
- Numerous properties that are located in the vicinity of the Site were included as part of an Environmental Screen of 103 parcels of land that was performed by DAY in 2009. The 2009 report indicated the potential presence of contamination on these nearby properties due to known and suspect USTs and aboveground storage tanks (ASTs), and historical uses.

1.2 Applicable Project Standards, Criteria and Guidance

The applicable standards, criteria and guidance documents that were referenced as part of this study are summarized below:

- SCOs and other guidance as set forth in 6 New York Codes, Rules and Regulation (NYCRR) Part 375 Environmental Remediation Program dated December 14, 2006.
- Guidelines referenced in the NYSDEC document titled “DER-10 Technical Guidance for Site Investigation and Remediation” dated May 2010 (DER-10).
- Soil Cleanup Levels (SCLs) and other guidance as set forth in the NYSDEC document titled “CP-51/Soil Cleanup Guidance” dated October 21, 2010.
- Groundwater standards and guidance values as set forth in the NYSDEC document titled “Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations” (TOGS 1.1.1) dated June 1998 with April 2000 and June 2004 Addendums.

1.3 Purpose

The purpose of this Preliminary Phase II ESA was to complete limited intrusive studies to evaluate current conditions at the Site. The information obtained during the Preliminary Phase II ESA was used to evaluate the RECs identified above, and to develop an opinion of the current status of the RECs and whether there is a need for additional study and/or remediation.

1.4 Limitations

The findings and conclusions presented in this report are based upon an evaluation of a limited number of samples collected during this study and DAY’s interpretation of this data. Conditions between sample locations may vary. As such, the findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

2.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

As part of this Preliminary Phase II ESA, various tasks were performed at the Site. These tasks are discussed in this section.

2.1 Geophysical Survey

DAY retained GPRS Inc. (GPRS) to complete a confirmatory geophysical survey over exterior locations of the Site to identify and map any anomalies that suggest the presence of suspected USTs and to identify the locations of subsurface utilities. GPRS utilized a GSSI Model SIR-3000 Ground Penetrating Radar (GPR) and an RD 7000/8000 Radio Frequency detector to complete the geophysical survey. Findings were painted on the ground and communicated to DAY personnel. GPRS completed the survey on April 16, 2019. The report provided by GPRS is included in Appendix A.

2.2 Subsurface Evaluation

On April 30, 2019, Nature's Way Environmental Consultants and Contractors, Inc. (Nature's Way), a subcontractor retained by DAY, advanced eight test borings (designated as TB-01-24 through TB-08-24) on the Site using a Simco Earthprobe 200 direct-push drill-rig. The test borings were advanced to equipment refusal, which was encountered at depths ranging between approximately 9.0 ft. and 10.0 ft. below ground surface (bgs). DAY personnel documented test boring locations using a Trimble Geo7x global positioning system (GPS) unit with sub-centimeter accuracy. The locations of test borings TB-01-24 through TB-08-24 are shown on Figure 2.

Upon completion of drilling, test borings TB-01-24 through TB-04-24, TB-06-24, and TB-08-24 were converted into temporary groundwater monitoring wells (designated TMW-01-24 through TMW-04-24, TMW-06-24, and TMW-08-24). Each temporary well consisted of five feet of one-inch inner diameter 10-slot Schedule 40 polyvinyl chloride (PVC) screen attached to one-inch inner diameter Schedule 40 solid PVC riser piping that extended approximately to the ground surface. The annulus between the one-inch PVC screen/riser and borehole wall was filled with sand.

A DAY representative and/or a City representative observed the work completed, made visual observations, screened soil with a photoionization detector (PID), collected soil samples for possible analytical laboratory testing, documented the lithologic conditions, and prepared the test boring logs that are included in Appendix B.

On May 1, 2019, a DAY representative purged the newly installed groundwater monitoring wells in preparation for sampling. Following recharge of the wells, groundwater samples were collected from the temporary groundwater wells for possible analytical laboratory testing. The purging and groundwater sampling activities are documented on the groundwater sampling logs included in Appendix C. Subsequent to collection of the groundwater samples, the temporary groundwater monitoring wells were decommissioned on May 1, 2019.

2.3 Analytical Laboratory Testing

Select soil samples were submitted to ALS Environmental (ALS) for testing. ALS is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory (NY Lab ID No. 10145). The soil samples were selected to assist in developing an opinion regarding the current status of environmental impact or subsurface condition in relation to the identified RECs.

The following samples were submitted to ALS for testing of the parameters indicated:

- Target Compound List (TCL) and CP-51 list volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260:
 - Soil Sample TB-02-24 (6-7); collected from test boring TB-02-24 at a depth of 6 to 7 ft.
 - Soil Sample TB-03-24 (7-8); collected from test boring TB-03-24 at a depth of 7 to 8 ft.
 - Soil Sample TB-06-24 (7-8); collected from test boring TB-06-24 at a depth of 7 to 8 ft.
 - Soil Sample TB-07-24 (7-8); collected from test boring TB-07-24 at a depth of 7 to 8 ft.
 - Soil Sample TB-08-24 (8-9); collected from test boring TB-08-24 at a depth of 8 to 9 ft.
 - Groundwater sample TMW-01-24; collected from temporary groundwater monitoring well TMW-01-24
 - Groundwater sample TMW-02-24; collected from temporary groundwater monitoring well TMW-02-24
 - Groundwater sample TMW-04-24; collected from temporary groundwater monitoring well TMW-04-24
 - Groundwater sample TMW-06-24; collected from temporary groundwater monitoring well TMW-06-24
 - Groundwater sample TMW-08-24; collected from temporary groundwater monitoring well TMW-08-24
- TCLSVOCs using USEPA Method 8270:
 - Soil Sample TB-01-24 (1-3); collected from test boring TB-01-24 at a depth of 1 to 3 ft.
 - Soil Sample TB-02-24 (7-8); collected from test boring TB-02-24 at a depth of 7 to 8 ft.
 - Soil Sample TB-05-24 (1-4); collected from test boring TB-05-24 at a depth of 1 to 4 ft.
 - Soil Sample TB-06-24 (4-5); collected from test boring TB-06-24 at a depth of 4 to 5 ft.
 - Soil Sample TB-07-24 (2-4); collected from test boring TB-07-24 at a depth of 2 to 4 ft.
- Resource Conservation and Recovery Act (RCRA) Metals using USEPA Methods 6010 and 7471:
 - Soil Sample TB-01-24 (1-3); collected from test boring TB-01-24 at a depth of 1 to 3 ft.
 - Soil Sample TB-02-24 (2-4); collected from test boring TB-02-24 at a depth of 2 to 4 ft.
 - Soil Sample TB-05-24 (1-4); collected from test boring TB-05-24 at a depth of 1 to 4 ft.
 - Soil Sample TB-06-24 (4-5); collected from test boring TB-06-24 at a depth of 4 to 5 ft.
 - Soil Sample TB-07-24 (2-4); collected from test boring TB-07-24 at a depth of 2 to 4 ft.
- Polychlorinated Biphenyls (PCBs) using USEPA Method 8082:
 - Soil Sample TB-02-24 (2-4); collected from test boring TB-02-24 at a depth of 2 to 4 ft.
 - Soil Sample TB-05-24 (1-4); collected from test boring TB-05-24 at a depth of 1 to 4 ft.

ALS provided analytical laboratory test results in NYSDEC Analytical Services Protocol (ASP) Category B deliverables and NYSDEC Equis deliverables. Copies of ALS's report containing the test results for the soil samples and executed chain-of-custody documentation are included in Appendix D.

2.4 Investigation-Derived Waste Disposal

Liquid and solid investigation-derived waste (IDW) generated as part of this Preliminary Phase II ESA was combined with IDW that was generated during a concurrent Preliminary Phase II ESA that was conducted on the adjoining 32 York Street parcel. The combined IDW was stored in two 55-gallon steel open-head drums on the Site. One drum contained soil from the test borings, disposable personal protective equipment (e.g., nitrile gloves), and disposable sampling equipment (e.g., sample liners, sample tubing). The other drum contained monitoring well purge water and decontamination water.

On April 30, 2019, Sample IDW-1 was collected from the solid IDW drum. The sample was subsequently submitted to ALS for testing of the parameters indicated:

- Full Toxicity Characteristic Leaching Procedure (TCLP) parameters via Methods 1311, 8260, 8270, 6010/7470, 8081, and 8151;
- Ignitability via Method 1030;
- Reactivity via Methods 9012 and 9034; and
- pH via Method 9045.

On May 1 2019, Sample IDW-2 was collected from the liquid IDW drum. The sample was subsequently submitted to ALS for testing of the parameters indicated:

- VOCs via USEPA Method 624; and
- SVOCs via USEPA Method 625

Copies of ALS's report containing the test results for the two IDW samples and executed chain-of-custody documentation are included in Appendix D.

The laboratory results were used to profile the IDW, which were determined to be non-hazardous. Disposal documentation for the two drums of IDW is included in Appendix E. In addition, the one-inch diameter PVC well screens and riser piping associated with the temporary monitoring wells was disposed in a solid waste dumpster.

3.0 FINDINGS

This section presents a summary of the findings of the work completed as part of this Preliminary Phase II ESA.

3.1 Geophysical Survey

An approximate 900 square foot area of the Site was searched for evidence of USTs. An EM pipe locator was used to attempt to passively trace any possible remaining piping underground. An anomaly that appeared to be an unknown utility was traced using the EM locator (refer to Figure 2). No evidence of remaining USTs was found using the GPR, which suggests any previous tanks have been removed. [Note: The maximum effective depth of the GPR was reported as approximately 3 feet below ground surface, which typically is deep enough to identify the upper portion of USTs.]

3.2 Subsurface Conditions

Based on the soil samples collected, apparent soil fill material was observed to extend to depths ranging between 2.5 ft. and 9.5 ft. bgs. The fill material typically consisted of silty clay intermixed with angular-subangular gravel and/or broken fieldstone. Trace to layers of ash, cinders, brick, concrete, and/or coal were observed in test borings TB-01-24, TB-02-24, TB-03-24, TB-04-24, TB-05-24, TB-06-24, and TB-08-24.

Indigenous soils beneath the apparent fill material generally consisted of silty clay. Refusal on inferred top of bedrock was encountered at depths ranging between approximately 9 ft. bgs (TB-08-24) and 10 ft. bgs (TB-03-24, TB-04-24, and TB-05-24).

Peak PID readings measured on soil samples from the eight test borings ranged between 0.0 parts per million (ppm) at TB-04-24 and 1,067 ppm at TB-08-24 at an approximate depth of 8.5 ft. bgs. Petroleum-type odors were observed on soil samples from test boring TB-02-24 at approximate depths of 6 to 9 ft. bgs; from test boring TB-03-24 at approximate depths of 5 to 6 ft. bgs; from test boring TB-04-24 at approximate depths of 0 to 1 ft. bgs; from test boring TB-06-24 at approximate depths of 7 to 9.5 ft. bgs; from test boring TB-07-24 at approximate depths of 4 to 9.5 ft. bgs; and, from test boring TB-08-24 at approximate depths of 4 to 9.5 ft. bgs. An apparent sheen was observed on the soil sample from test boring TB-06-24 at 8 to 10 ft. bgs.

Additional information encountered in each of the test borings advanced during this study is provided on the logs included in Appendix B.

Based on the field evidence of petroleum impact encountered during this Preliminary Phase II ESA, [i.e., assumed to be related to the former use of the property as a filling station with eight underground gasoline tanks and six pump dispensers (refer to Section 1.1)], a spill was reported to the NSYDEC on April 30, 2019. NYSDEC Spill File (#1901036) was opened on April 30, 2019.

The depth to groundwater measured on May 1, 2019 varied from approximately 5.11 ft. bgs (TMW-03-24) to 6.85 ft. bgs (TMW-01-24). [Note: The depth to groundwater measurements were collected less than 24 hours after installation of the temporary monitoring wells. It is possible that the water levels were not at static at the time of measurement.] A petroleum-type sheen was observed on the groundwater sample collected from temporary monitoring well TMW-06-24. Visible traces of petroleum-type light non-aqueous phase liquid (LNAPL) and a petroleum-type odor were observed on the groundwater sample collected from temporary monitoring well TMW-08-24.

3.3 Analytical Laboratory Results

3.3.1 Soil/Fill Samples

The analytical laboratory report for soil/fill sample VOCs, SVOCs, metals, and PCBs results is included in Appendix C. Table 1 through Table 3 provide a summary of the constituents detected in the soil samples and a comparison of detected VOC, SVOC and metal concentrations to Unrestricted Use SCOs, Restricted Residential Use SCOs, and Commercial Use SCOs that are referenced in NYSDEC Part 375. “Unrestricted Use” means use without imposed restrictions such as environmental easements, deed restrictions or other land use controls. “Restricted Residential Use” is the land use category which should be used when there is common ownership or a single owner/managing entity of the Site. “Commercial Use” is the land use category which should be used when the primary purpose is buying, selling, or trading of merchandise or services. Table 1 and Table 2 also include a comparison of detected constituent concentrations to SCLs that are referenced in NYSDEC CP-51. The results are summarized below.

Volatile Organic Compounds

Various VOCs were detected in the five soil/fill samples. The concentrations of total VOCs detected in the five soil/fill samples ranged between 3.435 milligrams per kilogram (mg/kg) or ppm in sample TB-06-24(7-8) and 329.93 mg/kg or ppm in samples TB-08-24(8-9). The majority of the VOCs detected appeared to be petroleum related. The concentrations of the VOCs detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs with the exception of the following:

Sample TB-02-24(6-7)

- Benzene was detected at an estimated concentration of 0.092 mg/kg or ppm, which is above the Unrestricted Use SCO of 0.06 ppm and CP-51 SCL of 0.06 ppm.
- m,p-Xylene was detected at an estimated concentration of 0.39 ppm, which is above the Unrestricted Use SCO of 0.26 ppm and CP-51 SCL of 0.26 ppm.

Sample TB-03-24(7-8)

- Acetone was detected at a concentration of 0.64 ppm, which is above the Unrestricted Use SCO of 0.05 ppm.
- Benzene was detected at an estimated concentration of 0.089 ppm, which is above the Unrestricted Use SCO of 0.06 ppm and CP-51 SCL of 0.06 ppm.

Sample TB-07-24(7-8)

- Acetone was detected at an estimated concentration of 0.25 ppm, which is above the Unrestricted Use SCO of 0.05 ppm.
- Benzene was detected at an approximate concentration of 0.47 ppm, which is above the Unrestricted Use SCO of 0.06 ppm and CP-51 SCL of 0.06 ppm and below the Restricted Residential SCO of 4.8 ppm and Commercial SCO 44 ppm.

- Ethylbenzene was detected at a concentration of 1.3 ppm which is above the Unrestricted Use SCO of 1 ppm and CP-51 SCL of 1 ppm.
- 1,2,4-Trimethylbenzene was detected at a concentration of 11 ppm. which is above the Unrestricted Use SCO of 3.6 ppm and CP-51 SCL of 3.6 ppm.
- m,p-Xylene was detected at a concentration of 3.2 ppm, which is above the Unrestricted Use SCO of 0.26 ppm and CP-51 SCL of 0.26 ppm.

Sample TB-08-24(8-9)

- n-Butylbenzene was detected at a concentration of 36 ppm, which is above the Unrestricted Use SCO of 12 and CP-51 SCL of 12 ppm.
- Ethylbenzene was detected at a concentration of 1.3 ppm, which is above the Unrestricted Use SCO of 1 ppm and CP-51 SCL of 1 ppm.
- Isopropylbenzene was detected at a concentration of 17 ppm, which is above the CP-51 SCL of 2.3 ppm.
- Naphthalene was detected at a concentration of 49 ppm, which is above the Unrestricted Use SCO of 12 ppm and CP-51 SCL of 12 ppm.
- N-Propylbenzene was detected at a concentration of 76 ppm, which is above the Unrestricted Use SCO of 3.9 ppm and CP-51 SCL of 3.9 ppm.

Semi-Volatile Organic Compounds

Various SVOCs were detected in the five soil/fill samples. The concentrations of total SVOCs detected in the five soil/fill samples ranged between 1.45 mg/kg or ppm in sample TB-05-24(1-4) and 21.893 mg/kg or ppm in sample TB-01-24(1-3). The concentrations of the SVOCs detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs with the exception of the following:

Sample TB-01-24(1-3)

- Benzo(a)anthracene was detected at a concentration of 2 ppm, which exceeded the Unrestricted Use SCO of 1 ppm, the Restricted Residential Use SCO of 1 ppm, and the CP-51 SCL of 1 ppm.
- Benzo(a)pyrene was detected at a concentration of 2.7 ppm, which exceeded the Unrestricted Use SCO of 1 ppm, the Restricted Residential Use SCO of 1 ppm, the Commercial Use SCO of 1 ppm, and the CP-51 SCL of 1 ppm.
- Benzo(b)fluoranthene was detected at a concentration of 2.6 ppm, which exceeded the Unrestricted Use SCO of 1 ppm, the Restricted Residential Use SCO of 1 ppm, and the CP-51 SCL of 1 ppm.
- Benzo(k)fluoranthene was detected at a concentration of 1 ppm, which exceeded the Unrestricted Use SCO of 0.8 ppm and the CP-51 SCL of 0.8 ppm.
- Chrysene was detected at a concentration of 2 ppm, which exceeded the Unrestricted Use SCO of 1 ppm and the CP-51 SCL of 1 ppm.

- Dibenzo(a,h)anthracene was detected at a concentration of 0.4 ppm, which exceeded the Unrestricted Use SCO of 0.33 ppm, the Restricted residential use SCO of 0.33 ppm, and the CP-51 SCL of 0.33 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 1.6 ppm, which exceeded the Unrestricted Use SCO of 0.5 ppm, the Restricted Residential Use SCO of 0.5 ppm, and the CP-51 SCL of 0.5 ppm.

Sample TB-06-24(4-5)

- Benzo(a)pyrene was detected at a concentration of 1.1 ppm, which exceeded the Unrestricted Use SCO of 1 ppm, the Restricted Residential Use SCO of 1 ppm, the Commercial Use SCO of 1 ppm, and the CP-51 SCL of 1 ppm.
- Indeno(1,2,3-cd)pyrene was detected at a concentration of 0.59 ppm, which exceeded the Unrestricted Use SCO of 0.5 ppm, the Restricted Residential Use SCO of 0.5 ppm, and the CP-51 SCL of 0.5 ppm.

RCRA Metals

Various RCRA metals were detected in the soil/fill samples. The concentrations of the RCRA metals detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs and Commercial Use SCOs with the exception of the following:

Sample TB-01-24(1-3)

- Lead was detected at a concentration of 4,390 ppm, which exceeded the Unrestricted Use SCO of 63 ppm, the Restricted Residential Use SCO of 400 ppm, and the Commercial Use SCO of 1,000 ppm.
- Mercury was detected at a concentration of 0.768 ppm, which exceeded the Unrestricted Use SCO of 0.18 ppm.

Sample TB-02-24(2-4)

- Lead was detected at a concentration of 93.6 ppm, which exceeded the Unrestricted Use SCO of 63 ppm.
- Mercury was detected at a concentration of 0.312 ppm, which exceeded the Unrestricted Use SCO of 0.18 ppm.

Sample TB-05-24(1-4)

- Lead was detected at a concentration of 77.1 ppm, which exceeded the Unrestricted Use SCO of 63 ppm.

Sample TB-06-24(4-5)

- Lead was detected at a concentration of 294 ppm, which exceeded the Unrestricted Use SCO of 63 ppm.

Sample TB-07-24(2-4)

- Lead was detected at a concentration of 206 ppm, which exceeded the Unrestricted Use SCO of 63 ppm.
- Mercury was detected at a concentration of 0.21 ppm, which exceeded the Unrestricted Use SCO of 0.18 ppm.

Polychlorinated Biphenyls

PCBs were not detected in the two soil/fill samples tested for that parameter.

3.3.2 Groundwater Samples

The analytical laboratory report for groundwater sample VOC results is included in Appendix C. Table 4 provides a summary of the constituents detected in the groundwater samples and a comparison of detected constituent concentrations to groundwater standards or guidance values referenced in TOGS 1.1.1.

Volatile Organic Compounds

VOCs were not detected in the groundwater sample from temporary monitoring well TMW-04-24. Various VOCs were detected in the groundwater samples from the other four temporary monitoring wells that were tested. The concentrations of total VOCs detected in these four groundwater samples ranged between 3.86 micrograms per liter (ug/l) or parts per billion (ppb) in sample TMW-01-24 and 1,815.6 ug/l or ppb in sample TMW-08-24. The concentrations of the VOCs detected were below their respective TOGS 1.1.1 groundwater standards or guidance values with the exception of the following:

Sample TMW-02-24

- Benzene was detected at an estimated concentration of 1.2 ppb, which is above the TOGS 1.1.1 standard of 1 ppb.
- n-Butylbenzene was detected at a concentration of 13 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- sec-Butylbenzene was detected at an estimated concentration of 6.7 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Isopropylbenzene was detected at a concentration of 25 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Naphthalene was detected at a concentration of 56 ppb, which is above the TOGS 1.1.1 guidance value of 10 ppb.
- n-Propylbenzene was detected at a concentration of 46 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.

Sample TMW-06-24

- Benzene was detected at an estimated concentration of 1.4 ppb, which is above the TOGS 1.1.1 standard of 1 ppb.

Sample TMW-08-24

- Acetone was detected at a concentration of 60 ppb, which is above the TOGS 1.1.1 standard of 50 ppb.
- Benzene was detected at an estimated concentration of 1.6 ppb, which is above the TOGS 1.1.1 standard of 1 ppb.
- n-Butylbenzene was detected at a concentration of 81 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- sec-Butylbenzene was detected at a concentration of 27 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Ethylbenzene was detected at a concentration of 67 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Isopropylbenzene was detected at a concentration of 130 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- Naphthalene was detected at a concentration of 650 ppb, which is above the TOGS 1.1.1 guidance value of 10 ppb.
- n-Propylbenzene was detected at a concentration of 440 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.
- 1,2,4-Trimethylbenzene was detected at an estimated concentration of 12 ppb, which is above the TOGS 1.1.1 standard of 5 ppb.

3.3.3 IDW Samples

The analytical laboratory report for the IDW samples is included in Appendix C. Table 5 and Table 6 provide a summary of the soil IDW-1 sample and liquid IDW-2 sample results, respectively. As shown on Table 5 for solid IDW, full TCLP testing was non-detect, total PCBs testing was non-detect, reactivity was non-detect, pH was 7.92, and the material was not ignitable. As shown on Table 6 for liquid IDW, VOCs generally related to petroleum, and PAH SVOCs were detected at concentrations ranging between 0.6 ug/l or ppb and 1,070 ug/l or ppb. The results were provided to SUN Environmental Corporation (SUN), which profiled the solid and liquid IDW as non-hazardous waste. On June 14, 2019, SUN picked up, transported and disposed of the drums off-site in accordance with applicable regulations (refer to disposal documentation included in Appendix E).

4.0 CONCLUSIONS AND RECOMMENDATIONS

The geophysical survey did not detect the presence of USTs within the study area at the Site, which suggests any previous tanks have been removed.

As part of the Preliminary Phase II ESA, soil samples were collected from eight test borings starting at or near the ground surface to depths ranging between 9.0 ft. and 10.0 ft. bgs where equipment refusal (i.e., inferred top of bedrock) was encountered.

- Based on visual and olfactory observations and PID screening of the samples, field evidence of potential petroleum-type impact (e.g., PID readings up to 1067 ppm, petroleum-type odors and sheen) was documented at test locations TB-01-24, TB-02-24, TB-03-24, TB-06,24, TB-07-24 and TB-08-24.
- Trace to layers of ash, coal, brick, concrete, and/or cinders was observed in fill material at each of the eight test borings (TB-01-24 through TB-08-24).

Analytical laboratory testing included five soil/fill samples for TCL and CP-51 VOCs, TCL SVOCs, and RCRA Metals, and two soil samples for PCBS.

- Various VOCs were detected in the five soil/fill samples, and the majority of the VOCs detected appeared to be petroleum related. Some of the VOC concentrations detected in four of the five soil/fill samples exceeded Unrestricted Use SCOs and/or CP-51 SCLs, but did not exceed the Restricted Residential Use SCOs or Commercial Use SCOs.
- Various polycyclic aromatic hydrocarbon (PAH) SVOCs were detected in the five soil/fill samples, which appear to be petroleum-related or fill-related. Some of the SVOC concentrations detected in two of the five soil/fill samples exceeded Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and/or CP-51 SCLs. The samples with exceedances contained fill material with ash and cinders [i.e., soil/fill sample TB-01-24(1-3) and soil/fill sample TB-06-24(4-5)].
- Each of the five soil/fill samples tested contained concentrations of lead and/or mercury that exceeded Unrestricted Use SCOs. The lead concentration in sample TB-01-24(1-3) also exceeded Restricted Residential Use SCO and Commercial Use SCO.
- PCBs were not detected at concentrations above the laboratory method detection limits.

Analytical laboratory testing included five groundwater samples for TCL and CP-51 VOCs.

- VOCs were not detected in the groundwater sample from temporary monitoring well TMW-04-24. Various VOCs were detected in the other four groundwater samples. One or more VOC concentrations detected in three of these four groundwater samples exceeded NYSDEC TOGS 1.1.1 groundwater standards or guidance values. The highest concentration of total VOCs detected in groundwater (i.e., 1,815.6 ppb) was in the sample collected from temporary monitoring well TMW-08-24 on the western Site boundary in a location where a former pump dispenser(s) would be suspected. The next highest concentration of total VOCs detected in groundwater (i.e., 411.68 ppb) was in the sample collected from temporary monitoring well TMW-02-24 located on the southwest portion of the Site in a location of a former gasoline UST.
- Petroleum sheen and/or LNAPL were detected on groundwater at temporary monitoring wells TMW-06-24 and TMW-08-24.

Conclusions

The former uses of the Site (e.g., gasoline station) have impacted soil/fill and groundwater at the Site, primarily with petroleum-related constituents. The top of petroleum-impacted soil/fill that exhibited nuisance characteristics (e.g., odors) at some of the test boring locations was encountered at depths ranging between 0.5 and 8.5 feet bgs. As a result, it is possible that petroleum-impacted soil/fill could be encountered during future subsurface work (e.g., utility work, redevelopment activities, etc.). It is unknown whether this condition is migrating via groundwater or soil vapor intrusion and impacting indoor air quality of the existing building on the adjoining 32 York Street parcel to the north.

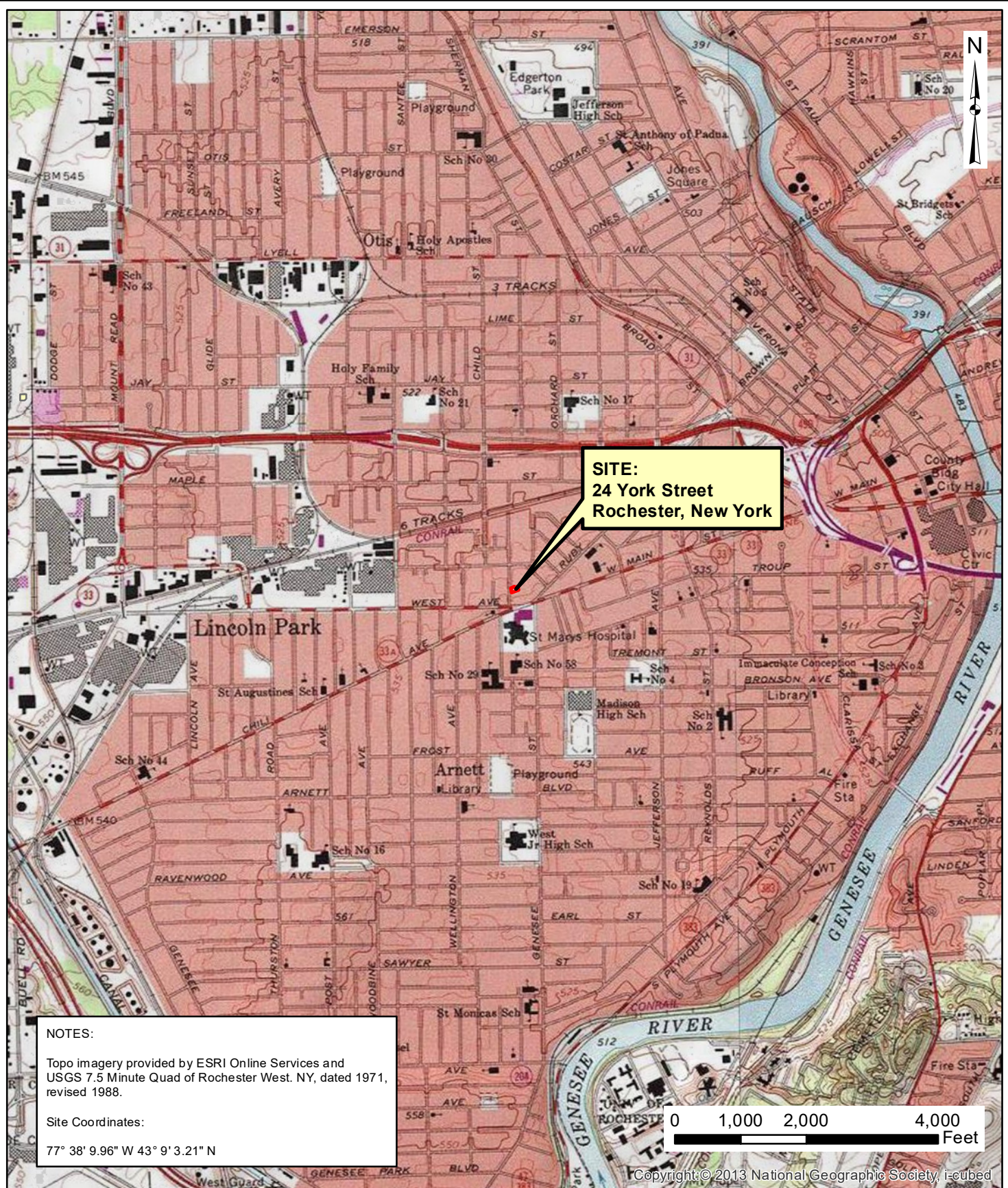
Based on SVOC, and metals (lead and mercury) concentrations and the presence of certain fill material (e.g., layers of ash), some of the soil and fill material at the Site could be considered a regulated waste if disturbed or displaced. In addition, sample TB-01-24(1-3) has the potential to be a characteristic hazardous waste, if disturbed or displaced, based on its total lead content. However, soil/fill in the area represented by this sample would require TCLP in order make such a determination. Such disturbed/displaced soil/fill would require disposal at an appropriate approved regulated disposal facility (e.g., landfill), with the exception that some types of the non-hazardous disturbed/displaced soil/fill could possibly be re-used on-site or off-site if a NYSDEC Part 360 Beneficial Use Determination (BUD) can be obtained.

Based on analytical testing completed as part of this Preliminary Phase II ESA, the historical uses and regulatory listings of adjoining/nearby properties do not appear to have impacted the Site.

Recommendations

1. It is recommended that the findings of this report be provided to the NYSDEC. With input and approval from the NYSDEC, it is recommended that additional investigation and remediation be completed in relation to the on-site petroleum impacts associated with Spill File #1901036.
2. It is recommended that the potential for soil vapor intrusion into any new structures be evaluated prior to construction, and that soil vapor intrusion be mitigated if deemed necessary.
3. It is also recommended that the fill material and other contaminants at the Site be addressed by preparing and implementing a site-specific Remedial Action Work Plan (RAWP) and/or Site Management Plan (SMP). The RAWP and/or SMP will provide guidance on health and safety monitoring, characterization, handling, and disposal/re-use of material that requires disturbance or displacement, including during redevelopment of the Site. In addition, if potentially contaminated material (e.g., material with staining, odors, free product, etc.) and/or containers/drums with contents are encountered during intrusive work (including redevelopment), further environmental assessment and/or environmental corrective actions may be warranted.

FIGURES



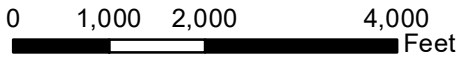
SITE:
24 York Street
Rochester, New York

NOTES:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Rochester West. NY, dated 1971, revised 1988.

Site Coordinates:

77° 38' 9.96" W 43° 9' 3.21" N



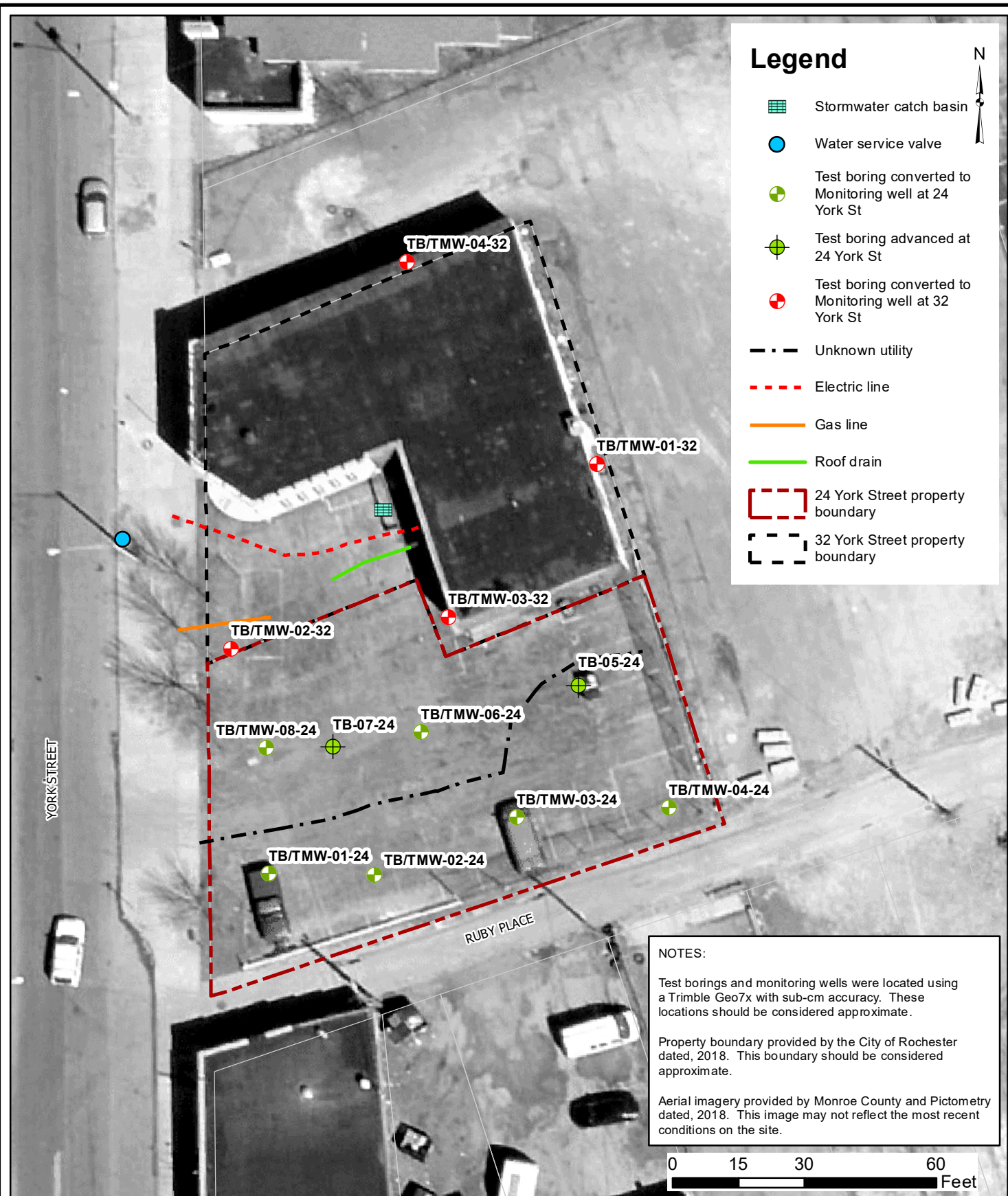
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Date	06-11-2019
Drawn By	CPS
Scale	AS NOTED

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

Project Title	24 YORK STREET ROCHESTER, NEW YORK
Drawing Title	PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT
Project Locus Map	

Project No.	5597S-19
FIGURE 1	

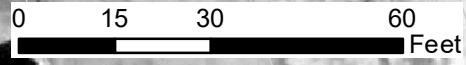


NOTES:

Test borings and monitoring wells were located using a Trimble Geo7x with sub-cm accuracy. These locations should be considered approximate.

Property boundary provided by the City of Rochester dated, 2018. This boundary should be considered approximate.

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



Date	06-11-2019
Drawn By	CPS
Scale	AS NOTED

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

Project Title	24 YORK STREET AND 32 YORK STREET ROCHESTER, NEW YORK
Drawing Title	PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT Site Plan with Test Locations

Project No.	5597S-19 & 5598S-19
	FIGURE 2

TABLES

Table 1

24 York Street
Rochester, New York

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

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO ⁽¹⁾	B Restricted Residential SCO ⁽¹⁾	C Commercial SCO ⁽¹⁾	D CP-51 SCL ⁽²⁾	R1903954-002		R1903954-005		R1903954-007		R1903954-009		R1903954-011		
					TB-02-24(6-7) 4/30/2019 Fill		TB-03-24(7-8) 4/30/2019 Fill		TB-06-24(7-8) 4/30/2019 Fill		TB-07-24(7-8) 4/30/2019 Fill		TB-08-24(8-9) 4/30/2019 Soil		
Acetone	0.05	100	500	NA	U	0.640	A	U	0.250	E	A	U			
Benzene	0.06	4.8	44	0.06	0.092	J	AD	0.089	J	AD	0.026	J	0.042	U	
2-Butanone (MEK)	0.12	100	500	NA	U	U	U	U	0.029	U	U	U	U	U	
n-Butylbenzene	12	100	500	12	U	0.059	J	U	0.110	U	0.110	U	36.0	AD	
sec-Butylbenzene	11	100	500	11	0.290	J	0.058	J	0.076	J	0.086	U	10.0	U	
tert-Butylbenzene	5.9	100	500	5.9	0.034	J	U	U	0.021	DJ	0.021	DJ	0.93	J	
Carbon Disulfide	NA	NA	NA	NA	0.043	J	0.040	J	0.038	J	0.0014	J	U	U	
Chloroethane	NA	NA	NA	NA	U	U	U	U	U	U	U	U	0.98	J	
Cyclohexane	NA	NA	NA	NA	0.330	J	0.710	U	0.150	J	1.500	D	29.0	U	
1,2-Dichlorobenzene	1.1	100	500	NA	U	U	U	U	0.0034	J	0.0034	J	U	U	
1,4-Dichlorobenzene	1.8	13	130	NA	U	U	U	U	0.0005	J	0.0005	J	U	U	
Ethylbenzene	1	41	390	1	0.190	J	U	0.038	J	1.300	D	AD	4.5	J	AD
Isopropylbenzene	NA	NA	NA	2.3	0.120	J	0.039	J	0.058	J	0.540	D	17.0	D	
p-Isopropyltoluene	NA	NA	NA	10	0.420	J	0.049	J	U	0.076	U	0.076	0.82	J	
Methyl Acetate	NA	NA	NA	NA	1.500	U	4.400	U	1.600	U	0.057	U	4.5	J	
Methylcyclohexane	NA	NA	NA	NA	U	0.980	U	0.950	U	2.800	D	U	100.0	U	
Naphthalene	12	100	500	12	0.200	J	0.160	BJ	0.089	BJ	0.068	U	49.0	AD	
n-Propylbenzene	3.9	100	500	3.9	0.440	J	U	0.096	J	2.600	D	76.0	AD		
Toluene	0.7	100	500	0.7	0.130	J	0.042	J	0.060	J	0.005	U	U	U	
1,2,4-Trimethylbenzene	3.6	52	190	3.6	0.390	J	0.140	J	0.091	J	11.000	D	AD	1.2	J
1,3,5-Trimethylbenzene	8.4	52	190	8.4	U	U	0.100	J	0.023	J	0.029	U	U	U	
m,p-Xylene	0.26	100	500	0.26	0.390	J	AD	U	0.110	J	3.200	D	AD	U	
o-Xylene	0.26	100	500	0.26	0.045	J	U	0.041	J	0.030	J	0.020	U	U	
Total VOCs	NA	NA	NA	NA	4.614		7.547		3.435		23.7383		329.93		

U = Not detected above laboratory method detection limit

J = Estimated Value

D = Data reported from a dilution

B = Constituent also detected in method blank

VOC = Volatile Organic Compound

NA = Not available

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010

(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010

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

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Restricted Residential Use SCO

C = Concentration Exceeds Commercial Use SCO

D = Concentration Exceeds SCL

Table 2

24 York Street
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO ⁽¹⁾	B Restricted Residential SCO ⁽¹⁾	C Commercial SCO ⁽¹⁾	D CP-51 SCL ⁽²⁾	R1903954-001	R1903954-004	R1903954-006	R1903954-008	R1903954-010
					TB-01-24(1-3) 4/30/2019 Fill	TB-02-24(7-8) 4/30/2019 Fill	TB-05-24(1-4) 4/30/2019 Fill	TB-06-24(4-5) 4/30/2019 Fill	TB-07-24(2-4) 4/30/2019 Fill
Acenaphthene	20	100	500	20	0.094 J	U	U	U	U
Acenaphthylene	100	100	500	100	0.430	U	U	U	U
Anthracene	100	100	500	100	0.370 J	U	U	0.240 J	0.310 J
Benzo(a)anthracene	1	1	5.6	1	2.000 ABC	0.130 J	0.120 J	0.770 J	0.720 J
Benzo(a)pyrene	1	1	1	1	2.700 ABCD	0.100 J	0.180 J	1.100 ABCD	0.680 J
Benzo(b)fluoranthene	1	1	5.6	1	2.600 ABD	0.140 J	0.180 J	0.990 J	0.700 J
Benzo(g,h,i)perylene	100	100	500	100	1.700	U	0.220 J	0.800 J	0.470 J
Benzo(k)fluoranthene	0.8	3.9	56	0.8	1.000 AD	U	U	0.320 J	U
Carbazole	NA	NA	NA	NA	0.110 J	U	U	U	U
Chrysene	1	3.9	56	1	2.000 AD	0.170 J	0.140 J	0.870 J	0.720 J
Dibenzo(a,h) anthracene	0.33	0.33	0.56	0.33	0.400 ABD	U	U	U	U
Fluoranthene	100	100	500	100	2.800	0.540	0.190 J	1.100	1.600
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.5	1.600 ABD	U	0.160 J	0.590 J ABD	0.370 J
2-Methylnaphthalene	NA	NA	NA	NA	U	0.260 J	U	U	U
Naphthalene	12	100	500	12	0.089 J	0.160 J	U	U	U
Phenanthrene	100	100	500	100	1.200	0.340 J	U	0.840 J	1.300
Pyrene	100	100	500	100	2.800	0.420	0.260 J	1.500	1.800
Total SVOCs	NA	NA	NA	NA	21.893	2.260	1.450	9.120	8.670

Notes:

U = Not detected above laboratory method detection limit

J = Estimated Value

SVOC = Semi-Volatile Organic Compound

NA = Not available

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010

(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010

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

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Restricted Residential Use SCO

C = Concentration Exceeds Commercial Use SCO

D = Concentration Exceeds SCL

Table 3

24 York Street
Rochester, New York

Summary of Metals Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Analyte	CAS Number	A Unrestricted SCO ⁽¹⁾	B Restricted Residential SCO ⁽¹⁾	C Commercial SCO ⁽¹⁾	R1903954-001 TB-01-24(1-3) 4/30/2019 Fill	R1903954-003 TB-02-24(2-4) 4/30/2019 Fill	R1903954-006 TB-05-24(1-4) 4/30/2019 Fill	R1903954-008 TB-06-24(4-5) 4/30/2019 Fill	R1903954-010 TB-07-24(2-4) 4/30/2019 Fill
Arsenic	7440-38-2	13	16	16	9.8	4.1	4.6	9.2	5.5
Barium	7440-39-3	350	400	400	213	76	52.7	69.5	122
Cadmium	7440-43-9	2.5	4.3	9.3	0.577	0.354 J	0.17 J	1	1.2
Chromium	7440-47-3	30	180	1500	9.3	6.5	10.9	6.8	8.1
Lead	7439-92-1	63	400	1000	4390 ABC	93.6 A	77.1 A	294 A	206 A
Mercury	7439-97-6	0.18	0.81	2.8	0.768 A	0.312 A	0.043	0.119	0.21 A
Selenium	7782-49-2	3.9	180	1500	U	U	U	U	U
Silver	7440-22-4	2	180	1500	0.339 J	0.387 J	0.105 J	U	U

U = Not detected above laboratory method detection limit

J = Estimated Value

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

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

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Restricted Residential Use SCO

C = Concentration Exceeds Commercial Use SCO

Table 4

24 York Street
Rochester, New York

Summary of Detected VOC Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	Groundwater Standard or Guidance Value ⁽¹⁾	R1903954-012	R1903954-013	R1903954-014	R1903954-015	R1903954-016
		TMW-01-24 5/1/2019 Groundwater	TMW-02-24 5/1/2019 Groundwater	TMW-04-24 5/1/2019 Groundwater	TMW-06-24 5/1/2019 Groundwater	TMW-08-24 5/1/2019 Groundwater
Acetone	50	2.8 J	11 J	U	3.8 J	60 X
Benzene	1	U	1.2 J X	U	1.4 J X	1.6 J X
2-Butanone (MEK)	50	U	2.8 J	U	U	18 J
n-Butylbenzene	5	U	13 X	U	0.92 J	81 X
sec-Butylbenzene	5	0.33 J	6.7 J X	U	2.0 J	27 X
tert-Butylbenzene	5	0.73 J	1.9 J	U	0.48 J	3.6 J
Ethylbenzene	5	U	1.4 J	U	0.55 J	67 X
2-Hexanone (MBK)	50	U	U	U	U	2.9 J
Isopropylbenzene	5	U	25 X	U	2.5 J	130 X
p-Isopropyltoluene	5	U	1.6 J	U	U	2.6 J
4-Methyl-2-pentanone (MIBK)	NA	U	U	U	U	1.8 J
Naphthalene	10	U	56 X	U	U	650 X
n-Propylbenzene	5	U	46 X	U	4.9 J	440 X
Toluene	5	U	0.75 J	U	0.48 J	1.2 J
1,2,4-Trimethylbenzene	5	U	1.5 J	U	1.7 J	12 J X
m,p-Xylene	5	U	1.1 J	U	1.2 J	3.6 J
o-Xylene	5	U	0.73 J	U	0.39 J	1.3 J
Cyclohexane	NA	U	61	U	2.3 J	72
Methylcyclohexane	NA	U	180	U	5.1 J	240
Total VOCs	NA	3.86	411.68	0.0	27.72	1815.6

U = Not detected above laboratory method detection limit

J = Estimated Value

⁽¹⁾ Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

NA = Not available

Table 5

**24 York Street
Rochester, New York**

**Summary of TCLP, Ignitability, Reactivity, and pH
Characterization Results**

Solid Investigation-Derived Waste Sample

Parameter	R1903955-001 IDW-1 4/30/2019 Solid IDW
TCLP (VOCs)	U
TCLP (SVOCs)	U
TCLP (Metals)	U
TCLP (Organochlorine Pesticides)	U
TCLP (Herbicides)	U
PCBs	U
Ignitability	Not Ignitable
Reactivity, Cyanide	U
Reactivity, Sulfide	U
pH	7.92

Notes:

- U = Not detected above laboratory method detection limit
- TCLP = Toxicity Characteristic Leaching Procedure
- VOC = Volatile Organic Compound
- SVOC = Semi-Volatile Organic Compound
- PCB = Polychlorinated Biphenyl

Table 6

**24 York Street
Rochester, New York**

**Summary of Detected VOC and SVOC Results in ug/l or
Parts per Billion (ppb)**

Liquid Investigation-Derived Waste Sample

Detected Constituent		R1903956-001 IDW-2 5/1/2019 Liquid IDW
VOCs	Acetone	297
	2-Butanone (MEK)	104
	Chloroethane	1.28 J
	Ethylbenzene	2.88
	2-Hexanone (MBK)	14.4
	Isopropylbenzene	16.8
	4-Methyl-2-pentanone (MIBK)	8.98 J
	Toluene	0.650 J
	m,p-Xylene	1.13
	o-Xylene	0.600 J
	Cyclohexane	104
	SVOCs	2-Methylnaphthalene
Acenaphthene		53.9
Acenaphthylene		15.0 J
Anthracene		45.8 J
Benz(a)anthracene		56.0
Benzo(a)pyrene		46.1 J
Benzo(g,h,i)perylene		35.0 J
Chrysene		85.8
Dibenzofuran		32.4 J
Fluoranthene		168
Fluorene		66.8
Naphthalene		402
Phenanthrene		202
Pyrene		188

Notes:

J = Estimated Value

VOC = Volatile Organic Compound

SVOC = Semi-Volatile Organic Compound

APPENDIX A

GPRS Inc. Report



Job Summary

Job Date : 4/16/2019

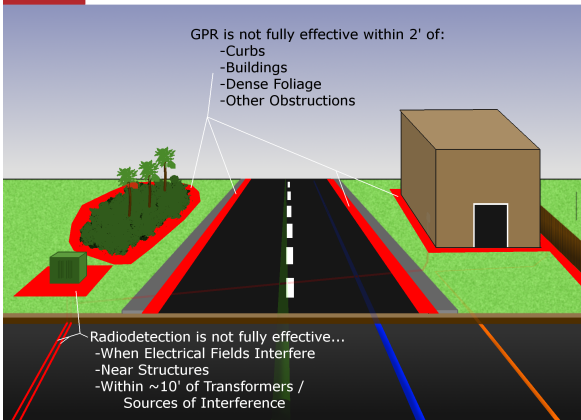
Customer	Day Environmental, Inc.	Phone Number	(585) 454-0210
Billing Address	City	State	Zip
1563 Lyell Avenue	Rochester	NY	14606
Job Details			
Jobsite Location 24 York St			
City Rochester			
State NY			
WA Number 121944			
Job Num			
PO Num			
Lead Technician	JENNINGS, TREVOR	Phone	Email trevor.jennings@gprsinc.com
Thank you for using Ground Penetrating Radar Systems on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.			
EQUIPMENT USED			
The following equipment was used on this project:			
<ul style="list-style-type: none">● 400 MHz GPR antenna. Typically capable of detecting objects several feet deep. Maximum effective depth depends on site and soil conditions.● RD 7000/8000 Radio Frequency detector. Detects electromagnetic fields. Used to actively trace metallic pipes and tracer wires, or passively detect electric, communications and other lines.			
Work Performed			
Ground Penetrating Radar Systems performed the following work on this project:			
<u>Underground Tanks</u>			
Scanning the designated area to attempt to locate evidence of underground storage tanks and/or UST removal excavations. The locations of any USTs, associated piping, or excavations detected were marked with paint, flags, or other appropriate means, and results were reviewed with onsite personnel.			
<ul style="list-style-type: none">● The total area scanned was approximately 900 square feet.● Searching parcel 24 for evidence of UST's on property.● The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 3 feet.			

- A roughly 900 sq ft area was searched for any evidence of UST's remaining on the property within the proposed area. While no visible vent piping existed on the property, an EM pipe locator was used to attempt to passively trace any possible remaining piping underground . Within the area, an unknown anomaly was traced using the EM locator and it's location was marked on the property. However, no evidence of the pipe being UST related could be determined. Additionally, no evidence of remaining UST's were found using GPR and while this suggests any previous tanks had been removed, we cannot verify this to be fact with GPR. All findings marked in pink paint and discussed with client before departure.

Pictures

GPRS Common Utility Locating Limitations

There are many limitations to locating utilities, due to a variety of factors, with several more common examples illustrated here.



Utility Limitations



Job Summary

Job Date : 4/16/2019



TERMS & CONDITIONS

<http://www.gprsinc.com/termsandconditions.html>

SIGNATURE

A handwritten signature in black ink, appearing to read "Jeff Danzinger". The signature is written in a cursive, flowing style.

Contact Info

Jeff Danzinger x114 (585) 454-0210 Jdanzinger@daymail.net

APPENDIX B

Test Boring Logs, and Temporary Monitoring Well Construction Diagrams



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5597S-19
 Project Address: 24 York Street
Rochester, NY
 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-01-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 9.5' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 7.55 ft. bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	65	NA		0.1	White, gray Asphalt sub-base (FILL), damp	
							0.0	Light Gray-Brown, Sandy Silt with trace Gravel (FILL)	
2						0.5	0.0	Brown-Black, Silty Clay with trace Cinders, Ash (FILL), damp	
3							0.0	Ash and Cinders (FILL), damp	
4							0.1	Reddish-Brown, Sandy Silt (FILL)	
5	NA	S-2	4-8	40	NA		0.1	Ash and Cinders (FILL), damp	
6							0.3	Whitish gray Fieldstone fragments in a matrix of reddish brown Silty CLAY, damp	
7						58.8	14.6		
8									
9	NA	S-3	8-9.5	20	NA	0.0	0.0	Reddish-Brown, Silty CLAY, wet	
10								Refusal at 9.5'	
11									
12									
13									
14									
15									
16									

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

Test Boring TB-01-24

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5597S-19
 Project Address: 24 York Street
Rochester, NY
 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-02-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 9.1' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 6.70 ft bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	50	NA	0.4	0.0	White-black Asphalt sub-base (FILL) Light gray-black Silty Clay with angular-sub angular Gravel (FILL) damp	
2							0.5	5" layer of Ash and Cinders/Coal (FILL), damp Brown, Silty Clay (FILL), moist	
3							0.1		
4							0.0		
5	NA	S-2	4-8	40	NA		3.9	Light Brown-Tan, Silty Clay with trace Cinders and Ash (FILL)	
6						321.3	169.0	Dark Grey-black, Silty Clay and angular-sub angular Gravel (FILL), moist	Faint petroleum-type odor
7							8.7		
8	NA	S-3	8-9.1	75	NA	4.5	1.9	Dark Brown-tan Silty CLAY, wet	Petroleum-type odor
9								Refusal at 9.1'	
10									
11									
12									
13									
14									
15									
16									

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

Test Boring TB-02-24

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Rochester, NY
 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-03-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 10.0' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 6.11 ft bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	85	NA		0.0	Dark Gray-Black Asphalt sub-base (FILL), damp	Faint Petroleum odor
								Medium Brown-Black Silty Clay with trace Ash and Coal (FILL), damp	
2						0.5	0.0		
								Dark Gray-Black, Silty Clay (FILL), moist	
3							0.0		
4								...trace Brick fragments and Ash	
5	NA	S-2	4-8	25	NA			Dark Gray, Clay with trace Ash (FILL), moist to wet	
6						2.1	0.7		
7									
8									
9	NA	S-3	8-10	40	NA	0.1	0.2	Light Gray-Black, Silty CLAY with angular-sub angular Gravel	
10							0.1		
11								Refusal at 10.0'	
12									
13									
14									
15									
16									

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

Test Boring TB-03-24

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 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-04-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 10.0' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 5.95 ft bTOC (5/1/2019)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	50	NA		0.0	Black-Light Gray, Angular-sub angular Gravel sub-base (FILL), moist	Faint Petroleum odor
2						0.0	0.0	Dark Brown Gray, Sandy Silt (FILL), moist	
3							0.0	Mixture of Gray Fieldstone and red Brick fragments (FILL)	
4								Medium Brown, Silty Sand with trace Cinders (FILL), moist	
5	NA	S-2	4-8	35	NA		0.0	Brick and Ash (FILL), damp	
6						0.0	0.0	Green-Dark Brown Silty CLAY with angular-sub angular Gravel, wet	
7							0.0		
8								...Increasing amount of Gravel, wet	
9	NA	S-3	8-10	40	NA	0.0	0.0		
10								Refusal at 10.0'	
11									
12									
13									
14									
15									
16									

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

Test Boring TB-04-24

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 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-05-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 10.0' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: Wet soil at 8.5'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	70	NA	0.0	0.0	Dark Gray-Black Asphalt sub-base (FILL)	
2							0.0	Dark Gray-Brown, Silty Sand with some angular-subangular Gravel (FILL), damp White/Gray/Black Silty Sand with Coal and Cinders (FILL), wet	
3							0.0	Dark Brown, Silty Clay (FILL), moist	
4									
5	NA	S-2	4-8	70	NA		0.0	Light Brown, Silty CLAY with angular-subangular Gravel, moist	
6						1.2	0.0		
7							0.0	...Dark Gray-Brown	
8								...wet	
9	NA	S-3	8-10	100	NA	0.8	0.0		
10								Refusal at 10.0'	
11									
12									
13									
14									
15									
16									

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

Test Boring TB-05-24

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Project #: 5597S-19
 Project Address: 24 York Street
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 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 9.5' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 5.95 ft bTOC (5/1/2019)

Test Boring TB-06-24

Page 1 of 1

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	65	NA	5.3	0.0	Dark Gray-Black angular-subangular sub-base Gravel with some Silty Sand (FILL) Light Gray Silty Sand with some angular-subangular Gravel (FILL), damp Black, Silty Clay with some Fieldstone and Concrete (FILL), damp	
2							0.0		
3							0.1		
4								...some Ash and Cinders (FILL)	
5	NA	S-2	4-8	60	NA	8.3	2.3		
6							14.4		
7							4.4	4.4	
8							8.5	...wet	Faint petroleum-type odor
9	NA	S-3	8-9.5	95	NA	6.0	1.3	Dark Brown-Gray, Silty CLAY with angular-subangular Gravel, wet	Petroleum-type odor, sheen
10							0.9		
11								Refusal at 9.5'	
12									
13									
14									
15									
16									

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

Test Boring TB-06-24

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Project #: 5597S-19
 Project Address: 24 York Street
Rochester, NY
 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Test Boring TB-07-24

Page 1 of 1

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 9.5' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: Wet soil at 8.0'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	65	NA	64.6	0.0	White-Light Gray, Asphalt sub-base, Concrete (FILL), damp	Faint petroleum-type odor 
2							0.0	Dark Gray-Black, Sandy Silt with trace angular-subangular Gravel (FILL), damp ...Brick and Fieldstone (FILL)	
3							5.9	Dark gray-black, Sandy Silt with trace angular-subangular Gravel (FILL), damp	
4								...Dark Gray-Black Fieldstone	
5	NA	S-2	4-8	30	NA		1.9	...moist	
6							86.7	1.7	
7								3.3	
8								1.3	
9	NA	S-3	8-9.5	65	NA	2.3	1.2	...2" diameter angular-subangular Gravel, wet	
10								Refusal at 9.5'	
11									
12									
13									
14									
15									
16									

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

Test Boring TB-07-24

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Project #: 5597S-19
 Project Address: 24 York Street
Rochester, NY
 DAY/Client Represent: HMM/AZM
 Drilling Contractor: Nature's Way
 Sampling Method: Direct Push

Ground Elevation: NA Datum: NA
 Date Started: 4/30/2019 Date Ended: 4/30/2019
 Borehole Depth: 9.0' Borehole Diameter: 2.25"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level: 6.76 ft bTOC (5/1/2019)

Test Boring TB-08-24

Page 1 of 1

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	55	NA		0.0	Black-dark gray, Asphalt sub-base (FILL), damp	Faint petroleum-type odor ↓ Stronger petroleum-type odor
							0.0	Light Gray-Brown, Silty Sand with some angular-subangular Gravel (FILL), damp	
						5.8	0.0	Reddish-Brown Silty Clay with Cinders and Ash (FILL), moist	
2								...Red, fractured Stone	
3							0.0	Dark Brown, Silty CLAY, moist	
4							0.0	...Fieldstone	
5	NA	S-2	4-8	40	NA		12.5		
6						32.4	83.2		
7							2.6		
8								...Dark Brown-Gray, wet	
9	NA	S-3	8-9	25	NA	1067	355.3		
							62.9		
10								Refusal at 9.0'	
11									
12									
13									
14									
15									
16									

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

Test Boring TB-08-24

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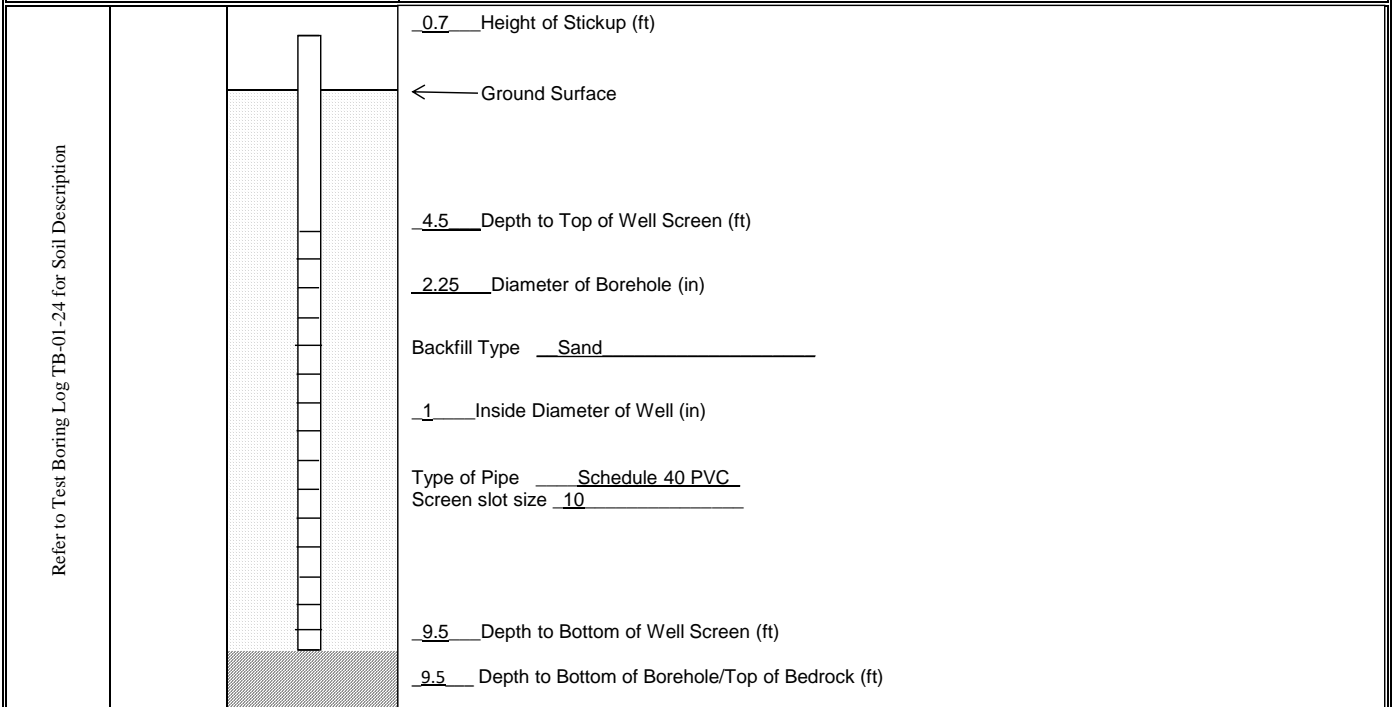
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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: <u>5597S-19</u>	MONITORING WELL TMW-01-24
Project Address: <u>24 York Street</u> <u>Rochester, New York</u>	
DAY/City Representative <u>HMM/AZM</u>	Date Started: <u>4/30/2019</u> Date Ended: <u>4/30/2019</u>
Drilling Contractor: <u>Nature's Way</u>	Water Level (Date): <u>7.55 ft. bTOC (5/1/2019)</u>



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

MONITORING WELL TMW-01-24

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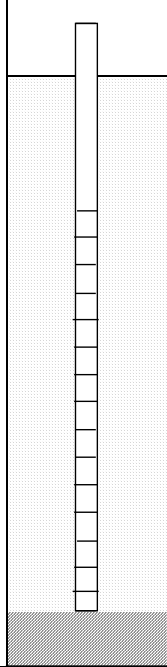
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5597S-19
Project Address: 24 York Street
Rochester, New York
DAY/City Representative HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-02-24

Date Started: 4/30/2019 Date Ended: 4/30/2019
Water Level (Date): 6.70 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-02-24 for Soil Description



0.0 Height of Stickup (ft)
← Ground Surface
4.1 Depth to Top of Well Screen (ft)
2.25 Diameter of Borehole (in)
Backfill Type Sand
1 Inside Diameter of Well (in)
Type of Pipe Schedule 40 PVC
Screen slot size 10
9.1 Depth to Bottom of Well Screen (ft)
9.1 Depth to Bottom of Borehole/Top of Bedrock (ft)

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

MONITORING WELL TMW-02-24

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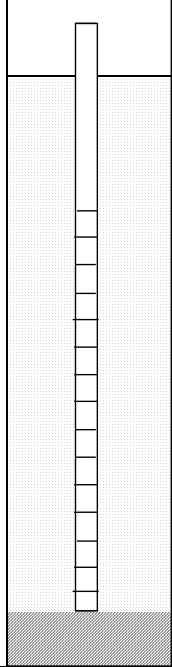
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5597S-19
Project Address: 24 York Street
Rochester, New York
DAY/City Representative HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-03-24

Date Started: 4/30/2019 Date Ended: 4/30/2019
Water Level (Date): 6.11 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-03-24 for Soil Description



1 Height of Stickup (in)
← Ground Surface
5.0 Depth to Top of Well Screen (ft)
2.25 Diameter of Borehole (in)
Backfill Type Sand
1 Inside Diameter of Well (in)
Type of Pipe Schedule 40 PVC
Screen slot size 10
10.0 Depth to Bottom of Well Screen (ft)
10.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

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

MONITORING WELL TMW-03-24

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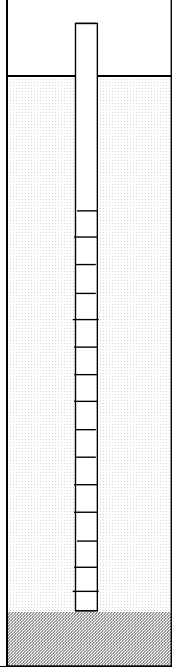
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5597S-19
Project Address: 24 York Street
Rochester, New York
DAY/City Representative HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-04-24

Date Started: 4/30/2019 Date Ended: 4/30/2019
Water Level (Date): 5.94 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-04-24 for Soil Description



0.5 Height of Stickup (ft)
← Ground Surface
4.7 Depth to Top of Well Screen (ft)
2.25 Diameter of Borehole (in)
Backfill Type Sand
1 Inside Diameter of Well (in)
Type of Pipe Schedule 40 PVC
Screen slot size 10
9.7 Depth to Bottom of Well Screen (ft)
10.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

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

MONITORING WELL TMW-04-24

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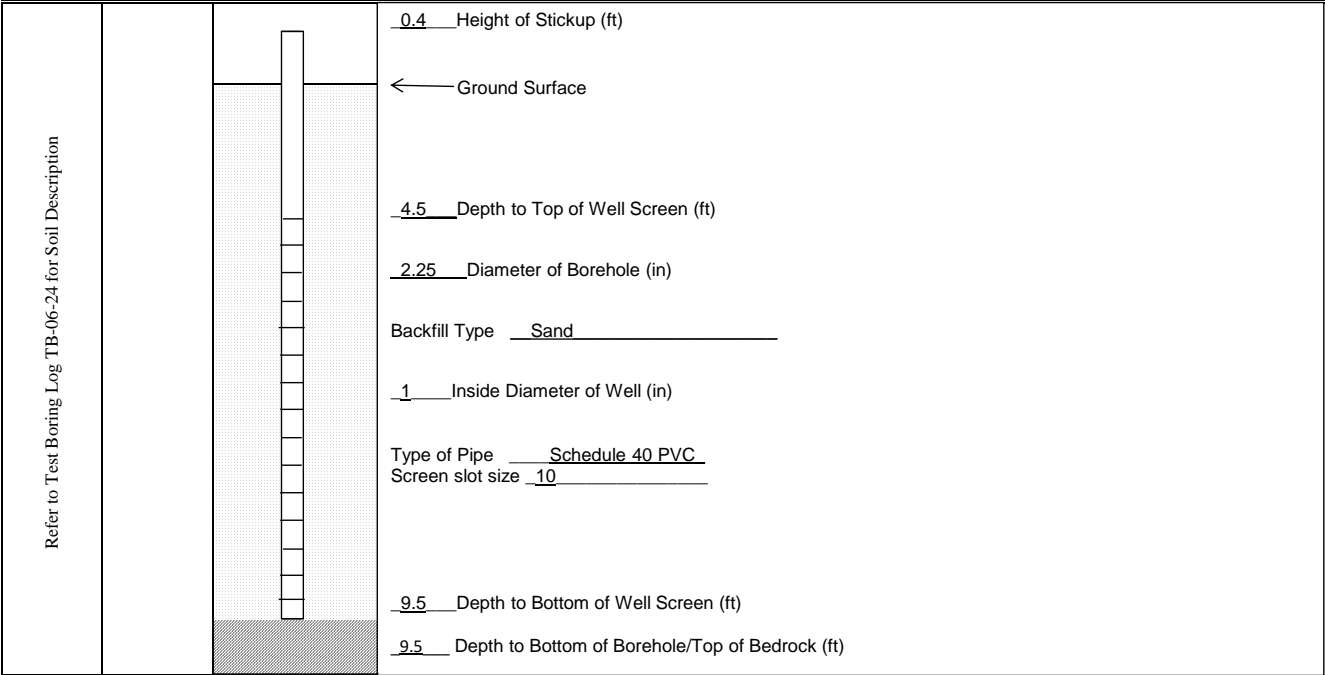
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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5597S-19
Project Address: 24 York Street
Rochester, New York
DAY/City Representative HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-06-24

Date Started: 4/30/2019 Date Ended: 4/30/2019
Water Level (Date): 5.95 ft. bTOC (5/1/2019)



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

MONITORING WELL TMW-06-24

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DAY ENVIRONMENTAL, INC.

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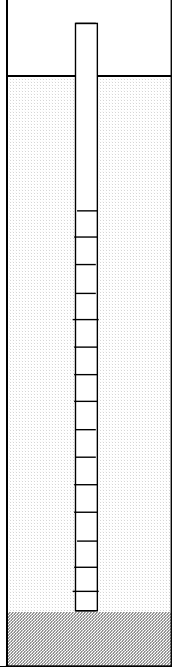
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5597S-19
Project Address: 24 York Street
Rochester, New York
DAY/City Representative HMM/AZM
Drilling Contractor: Nature's Way

MONITORING WELL TMW-08-24

Date Started: 4/30/2019 Date Ended: 4/30/2019
Water Level (Date): 6.76 ft. bTOC (5/1/2019)

Refer to Test Boring Log TB-08-24 for Soil Description



1.0 Height of Stickup (ft)
← Ground Surface
4.0 Depth to Top of Well Screen (ft)
2.25 Diameter of Borehole (in)
Backfill Type Sand
1 Inside Diameter of Well (in)
Type of Pipe Schedule 40 PVC
Screen slot size 10
9.0 Depth to Bottom of Well Screen (ft)
9.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

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

MONITORING WELL TMW-08-24

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APPENDIX C

Monitoring Well Sampling Logs

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-01-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u> <u>Rochester, New York</u>	JOB #: <u>5597S-19</u> DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	

SECTION 2 - PURGE INFORMATION																								
DEPTH OF WELL [FT]: <u>10.08</u> (MEASURED FROM TOP OF CASING - T.O.C.)																								
STATIC WATER LEVEL (SWL) [FT]: <u>7.55</u> (MEASURED FROM T.O.C.)																								
THICKNESS OF WATER COLUMN [FT]: <u>2.53</u> (DEPTH OF WELL - SWL)																								
CALCULATED VOL. OF H₂O PER WELL CASING [GAL]: <u>0.103</u> CASING DIA.: <u>1"</u>																								
CALCULATIONS: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CASING DIA. (FT)</th> <th style="text-align: left; border-bottom: 1px solid black;">WELL CONSTANT(GAL/FT)</th> <th style="text-align: left; border-bottom: 1px solid black;">CALCULATIONS</th> </tr> </thead> <tbody> <tr> <td>3/4" (0.0625)</td> <td>0.023</td> <td rowspan="8" style="vertical-align: top; padding-left: 20px;">VOL. OF H₂O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT</td> </tr> <tr> <td>1" (0.0833)</td> <td style="border: 1px solid black; border-radius: 50%; text-align: center;">0.041</td> </tr> <tr> <td>1 1/4" (0.1041)</td> <td>0.063</td> </tr> <tr> <td>2" (0.1667)</td> <td>0.1632</td> </tr> <tr> <td>3" (0.250)</td> <td>0.380</td> </tr> <tr> <td>4" (0.3333)</td> <td>0.6528</td> </tr> <tr> <td>4 1/2" (0.375)</td> <td>0.826</td> </tr> <tr> <td>6" (0.5000)</td> <td>1.4688</td> </tr> <tr> <td>8" (0.666)</td> <td>2.611</td> <td></td> </tr> </tbody> </table>		CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS	3/4" (0.0625)	0.023	VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	1" (0.0833)	0.041	1 1/4" (0.1041)	0.063	2" (0.1667)	0.1632	3" (0.250)	0.380	4" (0.3333)	0.6528	4 1/2" (0.375)	0.826	6" (0.5000)	1.4688	8" (0.666)	2.611	
CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS																						
3/4" (0.0625)	0.023	VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT																						
1" (0.0833)	0.041																							
1 1/4" (0.1041)	0.063																							
2" (0.1667)	0.1632																							
3" (0.250)	0.380																							
4" (0.3333)	0.6528																							
4 1/2" (0.375)	0.826																							
6" (0.5000)	1.4688																							
8" (0.666)	2.611																							
CALCULATED PURGE VOLUME [GAL]: <u>0.31</u> (3 TIMES CASING VOLUME)																								
ACTUAL VOLUME PURGED [GAL]: <u>2</u>																								
PURGE METHOD: <u>gas pump</u> PURGE START: <u>9:15</u> END: <u>9:25</u>																								

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-01-24	5/1/2019 / 12:00	Bailer	TCL & CP-51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
7:48	13.6	6.78	NM	NM	NM	NM	Turbid

NM = Not Measured

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-02-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u>	JOB #: <u>5597S-19</u>
<u>Rochester, New York</u>	DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>9.31</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>6.70</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>2.61</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H ₂ O PER WELL CASING [GAL]: <u>0.107</u> CASING DIA.: <u>1"</u>	
CALCULATIONS:	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
3/4" (0.0625)	0.023
1" (0.0833)	<u>0.041</u>
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>0.32</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>2</u>	
PURGE METHOD: <u>gas pump</u> PURGE START: <u>9:40</u> END: <u>9:45</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-02-24	5/1/2019 / 12:15	Bailer	TCL & CP-51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.70	15.7	7.02	NM	NM	NM	NM	Turbid

NM = Not Measured

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-03-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u>	JOB #: <u>5597S-19</u>
<u>Rochester, New York</u>	DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>10.08</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>6.11</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>3.97</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H ₂ O PER WELL CASING [GAL]: <u>0.162</u> CASING DIA.: <u>1"</u>	
CALCULATIONS:	
CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
CALCULATIONS	
VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
3/4" (0.0625)	0.023
1" (0.0833)	<u>0.041</u>
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
CALCULATED PURGE VOLUME [GAL]: <u>0.48</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>1</u>	
:05PURGE METHOD: <u>Gas pump</u> PURGE START: <u>10:05</u> END: <u>10:10</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-03-24	5/1/2019 / 12:30	Bailer	Not selected for testing

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.17	5.86	7.42	NM	NM	NM	NM	Turbid

NM = Not Measured
ND = Not Detected

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-04-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u>	JOB #: <u>5597S-19</u>
<u>Rochester, New York</u>	DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>10.05</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>5.94</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>4.11</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H ₂ O PER WELL CASING [GAL]: <u>0.168</u> CASING DIA.: <u>1"</u>	
CALCULATIONS:	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
3/4" (0.0625)	0.023
1" (0.0833)	<u>0.041</u>
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>0.5</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>2</u>	
PURGE METHOD: <u>Gas pump</u> PURGE START: <u>10:30</u> END: <u>10:33</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-04-24	5/1/2019 / 12:40	Bailer	TCL & CP-51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.96	15.9	7.67	NM	NM	NM	NM	Turbid

ND = Not Detected

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-06-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u>	JOB #: <u>5597S-19</u>
<u>Rochester, New York</u>	DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	ODOR: <u>Strong Petroleum</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>9.05</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>5.95</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>3.10</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H ₂ O PER WELL CASING [GAL]: <u>0.127</u> CASING DIA.: <u>1"</u>	
CALCULATIONS:	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
3/4" (0.0625)	0.023
1" (0.0833)	<u>0.041</u>
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>0.38</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>>1</u>	
PURGE METHOD: <u>Gas pump</u>	PURGE START: <u>10:45</u> END: <u>10:48</u>

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-06-24	5/1/2019 /13:05	Bailer	TCL & CP-51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.93	16	7.21	NM	NM	NM	NM	Turbid w sheen

ND = Not Detected

**DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG**

WELL TMW-08-24

SECTION 1 - SITE INFORMATION	
SITE LOCATION: <u>24 York Street</u>	JOB #: <u>5597S-19</u>
<u>Rochester, New York</u>	DATE : <u>5/1/2019</u>
SAMPLE COLLECTOR(S): <u>CCD</u>	
WEATHER CONDITIONS: <u>60° F</u>	ODOR: <u>Strong Petroleum</u>

SECTION 2 - PURGE INFORMATION	
DEPTH OF WELL [FT]: <u>8.97</u> (MEASURED FROM TOP OF CASING - T.O.C.)	
STATIC WATER LEVEL (SWL) [FT]: <u>6.76</u> (MEASURED FROM T.O.C.)	
THICKNESS OF WATER COLUMN [FT]: <u>2.21</u> (DEPTH OF WELL - SWL)	
CALCULATED VOL. OF H ₂ O PER WELL CASING [GAL]: <u>0.090</u> CASING DIA.: <u>1"</u>	
CALCULATIONS:	
<u>CASING DIA. (FT)</u>	<u>WELL CONSTANT(GAL/FT)</u>
3/4" (0.0625)	0.023
1" (0.0833)	<u>0.041</u>
1 1/4" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4 1/2" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611
VOL. OF H ₂ O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT	
CALCULATED PURGE VOLUME [GAL]: <u>0.27</u> (3 TIMES CASING VOLUME)	
ACTUAL VOLUME PURGED [GAL]: <u>1</u>	
PURGE METHOD: <u>Gas pump</u> PURGE START: <u>11:00</u> END: <u>11:05</u>	

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-08-24	5/1/2019 / 13:15	Bailer	TCL & CP-51 VOCs via 8260

SECTION 4 - WATER QUALITY DATA							
SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.79	15.1	7.06	NM	NM	NM	NM	Strong odor and visible oil traces

NM = Not Measured
ND = Not Detected

APPENDIX D

Analytical Laboratory Reports



May 23, 2019

Service Request No:R1903954

Mr. Jeff Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Laboratory Results for: 24 York St

Dear Mr.Danzinger,

Enclosed are the results of the sample(s) submitted to our laboratory May 02, 2019
For your reference, these analyses have been assigned our service request number **R1903954**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Day Environmental, Inc.
Project: 24 York St
Sample Matrix: Soil, Water

Service Request: R1903954
Date Received: 05/02/2019

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Sixteen soil, water samples were received for analysis at ALS Environmental on 05/02/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 05/07/2019: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8270D, 05/07/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D, R1903954-008, -010: Sample(s) required dilution due to the dark oily nature of the extract. The reporting limits are adjusted to reflect the dilution.

Semivolatile GC:

Method 8082A, 05/08/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on the confirmation column. The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). The data quality was not significantly affected and no further corrective action was taken.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 05/08/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/10/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/10/2019: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/04/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not

Approved by 

Date 05/23/2019



affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/08/2019: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/07/2019: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/07/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 05/06/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by 

Date 05/23/2019



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1903954-001	TB-01-24 (1-3)	4/30/2019	1510
R1903954-002	TB-02-24 (6-7)	4/30/2019	1448
R1903954-003	TB-02-24 (2-4)	4/30/2019	1434
R1903954-004	TB-02-24 (7-8)	4/30/2019	1432
R1903954-005	TB-03-24 (7-8)	4/30/2019	1112
R1903954-006	TB-05-24 (1-4)	4/30/2019	1227
R1903954-007	TB-06-24 (7-8)	4/30/2019	1409
R1903954-008	TB-06-24 (4-5)	4/30/2019	1417
R1903954-009	TB-07-24 (7-8)	4/30/2019	1344
R1903954-010	TB-07-24 (2-4)	4/30/2019	1342
R1903954-011	TB-08-24 (8-9)	4/30/2019	1309
R1903954-012	TMW-01-24	5/1/2019	1200
R1903954-013	TMW-02-24	5/1/2019	1215
R1903954-014	TMW-04-24	5/1/2019	1240
R1903954-015	TMW-06-24	5/1/2019	1305
R1903954-016	TMW-08-24	5/1/2019	1315



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

56667

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 2 OF 2

Project Name 24 York St		Project Number 55975-19		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager Jeff Danzinger		Report CC Heather McLennon		PRESERVATIVE blf																			
Company/Address Day Environmental, Inc 1563 Lyell Ave Rochester, NY		Phone # 585-454-0210		Email		NUMBER OF CONTAINERS		GC/MS VOCs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825 GC VOCs • 8021 • 601/602 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)		VOCs 624		SVOCs 625		Full TCLP		Ignitability 1030		Reactivity		pH		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____	
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Heather McLennon		REMARKS/ ALTERNATE DESCRIPTION																			

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING		MATRIX																		
		DATE	TIME																			
TB-08-24 (8-9)		4:30.19	1309	Soil	4	X																
TMW-01-24		5.1.19	1200	GW	3	X																
TMW-02-24		5.1.19	1215	GW	3	X																
TMW-04-24		5.1.19	1240	GW	3	X																
TMW-06-24		5.1.19	1305	GW	3	X																
TMW-08-24		5.1.19	1315	GW	3	X																
IDW-2		5.1.19	1518	NW	5							X	X									
IDW-1		4:30.19	1515	Soil	2													X	X	X	X	

SPECIAL INSTRUCTIONS/COMMENTS Metals		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days - No Surcharge) REQUESTED REPORT DATE 5/2/19		REPORT REQUIREMENTS I. Results Only X II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries X IV. Data Validation Report with Raw Data NUTREL Equip. Excal Edata X Yes ___ No		INVOICE INFORMATION see 1/24/18 quote from Christina Carbone PO # 55975-19 BILL TO: Jeff Danzinger danzinger@dayenvironment.com	
---	--	---	--	--	--	--	--

STATE WHERE SAMPLES WERE COLLECTED		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY	
Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>	
Printed Name Jeff Danzinger		Printed Name Daniel Ward		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name	
Firm DAY		Firm ALS		Firm		Firm		Firm		Firm		Firm	
Date/Time 5-2-19 / 1623		Date/Time 5/2/19 / 1623		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	

R1903954 **5**
Day Environmental, Inc.
24 York St



Cooler Receipt and Preservation Check Form

R1903954

5

Day Environmental, Inc.
24 York St



Project/Client Day Env. Folder Number _____

Cooler received on 5/2/19 by: SW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	<u>(Y)</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>(Y)</u> N
4	Circle: Wet Ice Dry Ice Gel packs present?	<u>(Y)</u> N

5a	Perchlorate samples have required headspace?	Y N <u>(NA)</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>(N)</u> NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore <u>5035S</u> NA

8. Temperature Readings Date: 5/2/19 Time: 1645 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.0</u>	<u>1.3</u>	<u>2.2</u>				
Correction Factor (°C)	<u>+0.3</u>	<u>+0.3</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>4.3</u>	<u>1.6</u>	<u>2.5</u>				
Temp from: Type of bottle	<u>Cent. tube</u>	<u>Cent. tube</u>	<u>Cent. tube</u>				
Within 0-6°C?	<u>(Y) N</u>	<u>(Y) N</u>	<u>(Y) N</u>	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by SW on 5/2/19 at 1645
5035 samples placed in storage location: R-709 by ↓ on ↓ at ↓

Cooler Breakdown/Preservation Check**: Date: 5/3/19 Time: 1430 by: SW

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? (YES) NO
- 10. Did all bottle labels and tags agree with custody papers? (YES) NO
- 11. Were correct containers used for the tests indicated? (YES) NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES (NO) N/A
- 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-206-002, 072318-1SR
Explain all Discrepancies/ Other Comments:

some 5035 vials have sample on outside

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: (Signature)
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1903954-001.01					
	7471B				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903954-001.02					
	ALS SOP,8270D,6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1009	R-002 / VSTAUFFER	
		5/6/2019	1145	In Lab / KMCLAEN	
		5/6/2019	1752	R-002 / KMCLAEN	
		5/7/2019	0851	In Lab / KAWONG	
		5/7/2019	0914	R-002 / KAWONG	
R1903954-002.01					
	ALS SOP				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0851	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
R1903954-002.02					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
R1903954-002.03					
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
R1903954-002.04					
	8260C				
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0708	F-09 / FNAEGLER	
		5/10/2019	1209	In Lab / DLIPANI	
		5/10/2019	1741	F-09 / DLIPANI	
R1903954-003.01					
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8082A				
		5/3/2019	1423	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8082A	5/3/2019	1427	R-002 / GLAFORCE	
		5/6/2019	1145	In Lab / KMCLAEN	
		5/6/2019	1752	R-002 / KMCLAEN	
		5/7/2019	0757	In Lab / VSTAUFFER	
		5/7/2019	0855	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
<hr/>					
R1903954-003.02	7471B				
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
<hr/>					
R1903954-004.01	ALS SOP,8270D				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1009	R-002 / VSTAUFFER	
		5/7/2019	0851	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
<hr/>					
R1903954-005.01	ALS SOP				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0851	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
<hr/>					
R1903954-005.02					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
<hr/>					
R1903954-005.03					
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
<hr/>					
R1903954-005.04	8260C				
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0707	F-09 / FNAEGLER	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1903954-006.02					
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8082A,8270D				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1009	R-002 / VSTAUFFER	
		5/6/2019	1145	In Lab / KMCLAEN	
		5/6/2019	1752	R-002 / KMCLAEN	
		5/7/2019	0757	In Lab / VSTAUFFER	
		5/7/2019	0854	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
R1903954-006.03					
	7471B				
		5/3/2019	1424	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903954-007.01					
	ALS SOP				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0852	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
R1903954-007.02					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
R1903954-007.03					
		5/3/2019	1425	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
R1903954-007.04					
	8260C				
		5/3/2019	1425	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0707	F-09 / FNAEGLER	
R1903954-008.01					
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8270D				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8270D	5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1009	R-002 / VSTAUFFER	
		5/6/2019	1145	In Lab / KMCLAEN	
		5/6/2019	1752	R-002 / KMCLAEN	
		5/7/2019	0852	In Lab / KAWONG	
		5/7/2019	0914	R-002 / KAWONG	
R1903954-008.02	7471B	5/3/2019	1426	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
R1903954-009.01	ALS SOP	5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0852	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
R1903954-009.02	8260C,8260C	5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/4/2019	1618	In Lab / FNAEGLER	
		5/4/2019	1621	F-09 / FNAEGLER	
R1903954-009.03		5/3/2019	1426	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
R1903954-009.04		5/3/2019	1426	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0707	F-09 / FNAEGLER	
R1903954-010.01	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8270D	5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/6/2019	0809	In Lab / VSTAUFFER	
		5/6/2019	1009	R-002 / VSTAUFFER	

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Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	ALS SOP,6010C,6010C,6010C,6010C,6010C,6010C,6010C,8270D	5/6/2019	1146	In Lab / KMCLAEN	
		5/6/2019	1752	R-002 / KMCLAEN	
		5/7/2019	0852	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
<hr/>					
R1903954-010.02	7471B				
		5/3/2019	1427	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0727	In Lab / NMANSEN	
		5/7/2019	1809	R-A01 / KMCLAEN	
<hr/>					
R1903954-011.01	ALS SOP				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-002 / GLAFORCE	
		5/7/2019	0852	In Lab / KAWONG	
		5/7/2019	0913	R-002 / KAWONG	
<hr/>					
R1903954-011.02					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
<hr/>					
R1903954-011.03					
		5/3/2019	1427	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
<hr/>					
R1903954-011.04	8260C				
		5/3/2019	1427	SMO / GLAFORCE	
		5/3/2019	1427	F-09 / GLAFORCE	
		5/8/2019	1606	In Lab / FNAEGLER	
		5/9/2019	0708	F-09 / FNAEGLER	
<hr/>					
R1903954-012.01					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
<hr/>					
R1903954-012.02	8260C				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	

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Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	8260C	5/7/2019	1310	In Lab / KRUEST	
		5/7/2019	1317	R-001-S12 / KRUEST	
R1903954-012.03					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
R1903954-013.01					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903954-013.02					
	8260C	5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/7/2019	1310	In Lab / KRUEST	
		5/7/2019	1317	R-001-S12 / KRUEST	
R1903954-013.03					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
R1903954-014.01					
	8260C	5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903954-014.02					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
R1903954-014.03					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
R1903954-015.01					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	

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Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903954-015.02					
	8260C				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/7/2019	1310	In Lab / KRUEST	
		5/7/2019	1317	R-001-S12 / KRUEST	
R1903954-015.03					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
R1903954-016.01					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/6/2019	1245	In Lab / KRUEST	
		5/6/2019	1355	R-001-S12 / KRUEST	
R1903954-016.02					
	8260C				
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	
		5/7/2019	1310	In Lab / KRUEST	
		5/7/2019	1317	R-001-S12 / KRUEST	
		5/8/2019	1135	In Lab / DLIPANI	
		5/8/2019	1821	R-001-S10 / DLIPANI	
R1903954-016.03					
		5/3/2019	1423	SMO / GLAFORCE	
		5/3/2019	1427	R-001 / GLAFORCE	



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|---|
| <p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed (>100% Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|---|



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

ALS Group USA, Corp.
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Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method

6010C
7471B
8270D
ALS SOP

Extracted/Digested By

KMCLAEN
KMCLAEN
BALLGEIER

Analyzed By

LHERRING
KMCLAEN
JMISIUREWICZ
KAWONG

Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method

8260C
ALS SOP

Extracted/Digested By

Analyzed By

DLIPANI
KAWONG

Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method

6010C
7471B
8082A
ALS SOP

Extracted/Digested By

KMCLAEN
KMCLAEN
AMOSSES

Analyzed By

LHERRING
KMCLAEN
AMOSSES
KAWONG

Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method

8270D
ALS SOP

Extracted/Digested By

BALLGEIER

Analyzed By

JMISIUREWICZ
KAWONG

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
8260C
ALS SOP

Extracted/Digested By

Analyzed By
FNAEGLER
KAWONG

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
6010C
7471B
8082A
8270D
ALS SOP

Extracted/Digested By
KMCLAEN
KMCLAEN
AMOSSES
BALLGEIER

Analyzed By
LHERRING
KMCLAEN
AMOSSES
JMISIUREWICZ
KAWONG

Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
8260C
ALS SOP

Extracted/Digested By

Analyzed By
FNAEGLER
KAWONG

Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
6010C
7471B
8270D
ALS SOP

Extracted/Digested By
KMCLAEN
KMCLAEN
BALLGEIER

Analyzed By
LHERRING
KMCLAEN
JMISIUREWICZ
KAWONG

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
8260C
ALS SOP

Extracted/Digested By

Analyzed By
FNAEGLER
KAWONG

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009.R01
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
6010C
7471B
8270D
ALS SOP

Extracted/Digested By
KMCLAEN
KMCLAEN
BALLGEIER

Analyzed By
LHERRING
KMCLAEN
JMISIUREWICZ
KAWONG

Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method
8260C
ALS SOP

Extracted/Digested By

Analyzed By
FNAEGLER
KAWONG

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954

Sample Name: TMW-01-24
Lab Code: R1903954-012
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TMW-02-24
Lab Code: R1903954-013
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TMW-04-24
Lab Code: R1903954-014
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TMW-06-24
Lab Code: R1903954-015
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TMW-08-24
Lab Code: R1903954-016
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	19 U	450	19	78	05/10/19 16:23	
1,1,2,2-Tetrachloroethane	19 U	450	19	78	05/10/19 16:23	
1,1,2-Trichloroethane	19 U	450	19	78	05/10/19 16:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	19 U	450	19	78	05/10/19 16:23	
1,1-Dichloroethane (1,1-DCA)	19 U	450	19	78	05/10/19 16:23	
1,1-Dichloroethene (1,1-DCE)	27 U	450	27	78	05/10/19 16:23	
1,2,3-Trichlorobenzene	48 U	450	48	78	05/10/19 16:23	
1,2,4-Trichlorobenzene	39 U	450	39	78	05/10/19 16:23	
1,2,4-Trimethylbenzene	390 J	450	19	78	05/10/19 16:23	
1,2-Dibromo-3-chloropropane (DBCP)	27 U	450	27	78	05/10/19 16:23	
1,2-Dibromoethane	19 U	450	19	78	05/10/19 16:23	
1,2-Dichlorobenzene	19 U	450	19	78	05/10/19 16:23	
1,2-Dichloroethane	19 U	450	19	78	05/10/19 16:23	
1,2-Dichloropropane	19 U	450	19	78	05/10/19 16:23	
1,3,5-Trimethylbenzene	19 U	450	19	78	05/10/19 16:23	
1,3-Dichlorobenzene	19 U	450	19	78	05/10/19 16:23	
1,4-Dichlorobenzene	20 U	450	20	78	05/10/19 16:23	
1,4-Dioxane	1900 U	9100	1900	78	05/10/19 16:23	
2-Butanone (MEK)	190 U	450	190	78	05/10/19 16:23	
2-Hexanone	33 U	450	33	78	05/10/19 16:23	
4-Isopropyltoluene	420 J	450	19	78	05/10/19 16:23	
4-Methyl-2-pentanone	21 U	450	21	78	05/10/19 16:23	
Acetone	430 U	450	430	78	05/10/19 16:23	
Benzene	92 J	450	19	78	05/10/19 16:23	
Bromochloromethane	19 U	450	19	78	05/10/19 16:23	
Bromodichloromethane	19 U	450	19	78	05/10/19 16:23	
Bromoform	46 U	450	46	78	05/10/19 16:23	
Bromomethane	200 U	450	200	78	05/10/19 16:23	
Carbon Disulfide	43 J	450	27	78	05/10/19 16:23	
Carbon Tetrachloride	24 U	450	24	78	05/10/19 16:23	
Chlorobenzene	19 U	450	19	78	05/10/19 16:23	
Chloroethane	19 U	450	19	78	05/10/19 16:23	
Chloroform	19 U	450	19	78	05/10/19 16:23	
Chloromethane	130 U	450	130	78	05/10/19 16:23	
Cyclohexane	330 J	450	24	78	05/10/19 16:23	
Dibromochloromethane	19 U	450	19	78	05/10/19 16:23	
Dichlorodifluoromethane (CFC 12)	30 U	450	30	78	05/10/19 16:23	
Dichloromethane	260 U	450	260	78	05/10/19 16:23	
Ethylbenzene	190 J	450	19	78	05/10/19 16:23	
Isopropylbenzene (Cumene)	120 J	450	19	78	05/10/19 16:23	
Methyl Acetate	1500	450	77	78	05/10/19 16:23	
Methyl tert-Butyl Ether	19 U	450	19	78	05/10/19 16:23	
Methylcyclohexane	29 U	450	29	78	05/10/19 16:23	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	200 J	450	50	78	05/10/19 16:23	
Styrene	19 U	450	19	78	05/10/19 16:23	
Tetrachloroethene (PCE)	21 U	450	21	78	05/10/19 16:23	
Toluene	130 J	450	19	78	05/10/19 16:23	
Trichloroethene (TCE)	20 U	450	20	78	05/10/19 16:23	
Trichlorofluoromethane (CFC 11)	24 U	450	24	78	05/10/19 16:23	
Vinyl Chloride	42 U	450	42	78	05/10/19 16:23	
cis-1,2-Dichloroethene	19 U	450	19	78	05/10/19 16:23	
cis-1,3-Dichloropropene	19 U	450	19	78	05/10/19 16:23	
m,p-Xylenes	390 J	910	34	78	05/10/19 16:23	
n-Butylbenzene	19 U	450	19	78	05/10/19 16:23	
n-Propylbenzene	440 J	450	19	78	05/10/19 16:23	
o-Xylene	45 J	450	19	78	05/10/19 16:23	
sec-Butylbenzene	290 J	450	19	78	05/10/19 16:23	
tert-Butylbenzene	34 J	450	19	78	05/10/19 16:23	
trans-1,2-Dichloroethene	19 U	450	19	78	05/10/19 16:23	
trans-1,3-Dichloropropene	19 U	450	19	78	05/10/19 16:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	31 - 154	05/10/19 16:23	
Dibromofluoromethane	95	63 - 138	05/10/19 16:23	
Toluene-d8	100	66 - 138	05/10/19 16:23	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	26 U	640	26	99.5	05/08/19 20:52	
1,1,2,2-Tetrachloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1,2-Trichloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1-Dichloroethane (1,1-DCA)	26 U	640	26	99.5	05/08/19 20:52	
1,1-Dichloroethene (1,1-DCE)	38 U	640	38	99.5	05/08/19 20:52	
1,2,3-Trichlorobenzene	67 U	640	67	99.5	05/08/19 20:52	
1,2,4-Trichlorobenzene	54 U	640	54	99.5	05/08/19 20:52	
1,2,4-Trimethylbenzene	140 J	640	26	99.5	05/08/19 20:52	
1,2-Dibromo-3-chloropropane (DBCP)	38 U	640	38	99.5	05/08/19 20:52	
1,2-Dibromoethane	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichloropropane	26 U	640	26	99.5	05/08/19 20:52	
1,3,5-Trimethylbenzene	100 J	640	26	99.5	05/08/19 20:52	
1,3-Dichlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
1,4-Dichlorobenzene	29 U	640	29	99.5	05/08/19 20:52	
1,4-Dioxane	2600 U	13000	2600	99.5	05/08/19 20:52	
2-Butanone (MEK)	260 U	640	260	99.5	05/08/19 20:52	
2-Hexanone	47 U	640	47	99.5	05/08/19 20:52	
4-Isopropyltoluene	49 J	640	26	99.5	05/08/19 20:52	
4-Methyl-2-pentanone	30 U	640	30	99.5	05/08/19 20:52	
Acetone	640	640	610	99.5	05/08/19 20:52	
Benzene	89 J	640	26	99.5	05/08/19 20:52	
Bromochloromethane	26 U	640	26	99.5	05/08/19 20:52	
Bromodichloromethane	26 U	640	26	99.5	05/08/19 20:52	
Bromoform	65 U	640	65	99.5	05/08/19 20:52	
Bromomethane	270 U	640	270	99.5	05/08/19 20:52	
Carbon Disulfide	40 J	640	38	99.5	05/08/19 20:52	
Carbon Tetrachloride	34 U	640	34	99.5	05/08/19 20:52	
Chlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
Chloroethane	26 U	640	26	99.5	05/08/19 20:52	
Chloroform	26 U	640	26	99.5	05/08/19 20:52	
Chloromethane	180 U	640	180	99.5	05/08/19 20:52	
Cyclohexane	710	640	34	99.5	05/08/19 20:52	
Dibromochloromethane	26 U	640	26	99.5	05/08/19 20:52	
Dichlorodifluoromethane (CFC 12)	43 U	640	43	99.5	05/08/19 20:52	
Dichloromethane	360 U	640	360	99.5	05/08/19 20:52	
Ethylbenzene	26 U	640	26	99.5	05/08/19 20:52	
Isopropylbenzene (Cumene)	39 J	640	26	99.5	05/08/19 20:52	
Methyl Acetate	4400	640	110	99.5	05/08/19 20:52	
Methyl tert-Butyl Ether	26 U	640	26	99.5	05/08/19 20:52	
Methylcyclohexane	980	640	40	99.5	05/08/19 20:52	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	160 BJ	640	71	99.5	05/08/19 20:52	
Styrene	26 U	640	26	99.5	05/08/19 20:52	
Tetrachloroethene (PCE)	30 U	640	30	99.5	05/08/19 20:52	
Toluene	42 J	640	26	99.5	05/08/19 20:52	
Trichloroethene (TCE)	29 U	640	29	99.5	05/08/19 20:52	
Trichlorofluoromethane (CFC 11)	34 U	640	34	99.5	05/08/19 20:52	
Vinyl Chloride	59 U	640	59	99.5	05/08/19 20:52	
cis-1,2-Dichloroethene	26 U	640	26	99.5	05/08/19 20:52	
cis-1,3-Dichloropropene	26 U	640	26	99.5	05/08/19 20:52	
m,p-Xylenes	48 U	1300	48	99.5	05/08/19 20:52	
n-Butylbenzene	59 J	640	26	99.5	05/08/19 20:52	
n-Propylbenzene	26 U	640	26	99.5	05/08/19 20:52	
o-Xylene	41 J	640	26	99.5	05/08/19 20:52	
sec-Butylbenzene	58 J	640	26	99.5	05/08/19 20:52	
tert-Butylbenzene	26 U	640	26	99.5	05/08/19 20:52	
trans-1,2-Dichloroethene	26 U	640	26	99.5	05/08/19 20:52	
trans-1,3-Dichloropropene	26 U	640	26	99.5	05/08/19 20:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	05/08/19 20:52	
Dibromofluoromethane	84	63 - 138	05/08/19 20:52	
Toluene-d8	92	66 - 138	05/08/19 20:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	22 U	550	22	89.5	05/08/19 21:15	
1,1,2,2-Tetrachloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1,2-Trichloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1,2-Trichloro-1,2,2-trifluoroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1-Dichloroethane (1,1-DCA)	22 U	550	22	89.5	05/08/19 21:15	
1,1-Dichloroethene (1,1-DCE)	32 U	550	32	89.5	05/08/19 21:15	
1,2,3-Trichlorobenzene	58 U	550	58	89.5	05/08/19 21:15	
1,2,4-Trichlorobenzene	47 U	550	47	89.5	05/08/19 21:15	
1,2,4-Trimethylbenzene	91 J	550	22	89.5	05/08/19 21:15	
1,2-Dibromo-3-chloropropane (DBCP)	32 U	550	32	89.5	05/08/19 21:15	
1,2-Dibromoethane	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichloropropane	22 U	550	22	89.5	05/08/19 21:15	
1,3,5-Trimethylbenzene	23 J	550	22	89.5	05/08/19 21:15	
1,3-Dichlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
1,4-Dichlorobenzene	25 U	550	25	89.5	05/08/19 21:15	
1,4-Dioxane	2200 U	11000	2200	89.5	05/08/19 21:15	
2-Butanone (MEK)	220 U	550	220	89.5	05/08/19 21:15	
2-Hexanone	40 U	550	40	89.5	05/08/19 21:15	
4-Isopropyltoluene	22 U	550	22	89.5	05/08/19 21:15	
4-Methyl-2-pentanone	26 U	550	26	89.5	05/08/19 21:15	
Acetone	520 U	550	520	89.5	05/08/19 21:15	
Benzene	26 J	550	22	89.5	05/08/19 21:15	
Bromochloromethane	22 U	550	22	89.5	05/08/19 21:15	
Bromodichloromethane	22 U	550	22	89.5	05/08/19 21:15	
Bromoform	55 U	550	55	89.5	05/08/19 21:15	
Bromomethane	240 U	550	240	89.5	05/08/19 21:15	
Carbon Disulfide	38 J	550	32	89.5	05/08/19 21:15	
Carbon Tetrachloride	29 U	550	29	89.5	05/08/19 21:15	
Chlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
Chloroethane	22 U	550	22	89.5	05/08/19 21:15	
Chloroform	22 U	550	22	89.5	05/08/19 21:15	
Chloromethane	160 U	550	160	89.5	05/08/19 21:15	
Cyclohexane	150 J	550	29	89.5	05/08/19 21:15	
Dibromochloromethane	22 U	550	22	89.5	05/08/19 21:15	
Dichlorodifluoromethane (CFC 12)	37 U	550	37	89.5	05/08/19 21:15	
Dichloromethane	310 U	550	310	89.5	05/08/19 21:15	
Ethylbenzene	38 J	550	22	89.5	05/08/19 21:15	
Isopropylbenzene (Cumene)	58 J	550	22	89.5	05/08/19 21:15	
Methyl Acetate	1600	550	93	89.5	05/08/19 21:15	
Methyl tert-Butyl Ether	22 U	550	22	89.5	05/08/19 21:15	
Methylcyclohexane	950	550	35	89.5	05/08/19 21:15	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	89 BJ	550	61	89.5	05/08/19 21:15	
Styrene	22 U	550	22	89.5	05/08/19 21:15	
Tetrachloroethene (PCE)	26 U	550	26	89.5	05/08/19 21:15	
Toluene	60 J	550	22	89.5	05/08/19 21:15	
Trichloroethene (TCE)	25 U	550	25	89.5	05/08/19 21:15	
Trichlorofluoromethane (CFC 11)	29 U	550	29	89.5	05/08/19 21:15	
Vinyl Chloride	51 U	550	51	89.5	05/08/19 21:15	
cis-1,2-Dichloroethene	22 U	550	22	89.5	05/08/19 21:15	
cis-1,3-Dichloropropene	22 U	550	22	89.5	05/08/19 21:15	
m,p-Xylenes	110 J	1100	41	89.5	05/08/19 21:15	
n-Butylbenzene	22 U	550	22	89.5	05/08/19 21:15	
n-Propylbenzene	96 J	550	22	89.5	05/08/19 21:15	
o-Xylene	30 J	550	22	89.5	05/08/19 21:15	
sec-Butylbenzene	76 J	550	22	89.5	05/08/19 21:15	
tert-Butylbenzene	22 U	550	22	89.5	05/08/19 21:15	
trans-1,2-Dichloroethene	22 U	550	22	89.5	05/08/19 21:15	
trans-1,3-Dichloropropene	22 U	550	22	89.5	05/08/19 21:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	31 - 154	05/08/19 21:15	
Dibromofluoromethane	83	63 - 138	05/08/19 21:15	
Toluene-d8	90	66 - 138	05/08/19 21:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2,2-Tetrachloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2-Trichloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1-Dichloroethane (1,1-DCA)	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1-Dichloroethene (1,1-DCE)	0.25 U	4.2	0.25	.71	05/04/19 23:17	
1,2,3-Trichlorobenzene	0.44 U	4.2	0.44	.71	05/04/19 23:17	
1,2,4-Trichlorobenzene	0.36 U	4.2	0.36	.71	05/04/19 23:17	
1,2,4-Trimethylbenzene	1400 E	4.2	0.17	.71	05/04/19 23:17	
1,2-Dibromo-3-chloropropane (DBCP)	0.25 U	4.2	0.25	.71	05/04/19 23:17	
1,2-Dibromoethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichlorobenzene	3.4 J	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichloropropane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,3,5-Trimethylbenzene	29	4.2	0.17	.71	05/04/19 23:17	
1,3-Dichlorobenzene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,4-Dichlorobenzene	0.50 J	4.2	0.19	.71	05/04/19 23:17	
1,4-Dioxane	17 U	84	17	.71	05/04/19 23:17	
2-Butanone (MEK)	29	4.2	1.7	.71	05/04/19 23:17	
2-Hexanone	0.31 U	4.2	0.31	.71	05/04/19 23:17	
4-Isopropyltoluene	76	4.2	0.17	.71	05/04/19 23:17	
4-Methyl-2-pentanone	0.20 U	4.2	0.20	.71	05/04/19 23:17	
Acetone	250 E	4.2	4.0	.71	05/04/19 23:17	
Benzene	42	4.2	0.17	.71	05/04/19 23:17	
Bromochloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Bromodichloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Bromoform	0.43 U	4.2	0.43	.71	05/04/19 23:17	
Bromomethane	1.8 U	4.2	1.8	.71	05/04/19 23:17	
Carbon Disulfide	1.4 J	4.2	0.25	.71	05/04/19 23:17	
Carbon Tetrachloride	0.22 U	4.2	0.22	.71	05/04/19 23:17	
Chlorobenzene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloroform	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloromethane	1.2 U	4.2	1.2	.71	05/04/19 23:17	
Cyclohexane	510 E	4.2	0.22	.71	05/04/19 23:17	
Dibromochloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Dichlorodifluoromethane (CFC 12)	0.28 U	4.2	0.28	.71	05/04/19 23:17	
Dichloromethane	2.4 U	4.2	2.4	.71	05/04/19 23:17	
Ethylbenzene	180 E	4.2	0.17	.71	05/04/19 23:17	
Isopropylbenzene (Cumene)	170 E	4.2	0.17	.71	05/04/19 23:17	
Methyl Acetate	57	4.2	0.71	.71	05/04/19 23:17	
Methyl tert-Butyl Ether	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Methylcyclohexane	940 E	4.2	0.27	.71	05/04/19 23:17	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	68	4.2	0.47	.71	05/04/19 23:17	
Styrene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Tetrachloroethene (PCE)	0.20 U	4.2	0.20	.71	05/04/19 23:17	
Toluene	5.0	4.2	0.17	.71	05/04/19 23:17	
Trichloroethene (TCE)	0.19 U	4.2	0.19	.71	05/04/19 23:17	
Trichlorofluoromethane (CFC 11)	0.22 U	4.2	0.22	.71	05/04/19 23:17	
Vinyl Chloride	0.39 U	4.2	0.39	.71	05/04/19 23:17	
cis-1,2-Dichloroethene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
cis-1,3-Dichloropropene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
m,p-Xylenes	460 E	8.4	0.32	.71	05/04/19 23:17	
n-Butylbenzene	110	4.2	0.17	.71	05/04/19 23:17	
n-Propylbenzene	630 E	4.2	0.17	.71	05/04/19 23:17	
o-Xylene	20	4.2	0.17	.71	05/04/19 23:17	
sec-Butylbenzene	86	4.2	0.17	.71	05/04/19 23:17	
tert-Butylbenzene	7.5	4.2	0.17	.71	05/04/19 23:17	
trans-1,2-Dichloroethene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
trans-1,3-Dichloropropene	0.17 U	4.2	0.17	.71	05/04/19 23:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	31 - 154	05/04/19 23:17	
Dibromofluoromethane	94	63 - 138	05/04/19 23:17	
Toluene-d8	121	66 - 138	05/04/19 23:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	20 U	490	20	83	05/08/19 21:37	
1,1,2,2-Tetrachloroethane	20 U	490	20	83	05/08/19 21:37	
1,1,2-Trichloroethane	20 U	490	20	83	05/08/19 21:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	20 U	490	20	83	05/08/19 21:37	
1,1-Dichloroethane (1,1-DCA)	20 U	490	20	83	05/08/19 21:37	
1,1-Dichloroethene (1,1-DCE)	29 U	490	29	83	05/08/19 21:37	
1,2,3-Trichlorobenzene	52 U	490	52	83	05/08/19 21:37	
1,2,4-Trichlorobenzene	42 U	490	42	83	05/08/19 21:37	
1,2,4-Trimethylbenzene	11000 D	490	20	83	05/08/19 21:37	
1,2-Dibromo-3-chloropropane (DBCP)	29 U	490	29	83	05/08/19 21:37	
1,2-Dibromoethane	20 U	490	20	83	05/08/19 21:37	
1,2-Dichlorobenzene	22 DJ	490	20	83	05/08/19 21:37	
1,2-Dichloroethane	20 U	490	20	83	05/08/19 21:37	
1,2-Dichloropropane	20 U	490	20	83	05/08/19 21:37	
1,3,5-Trimethylbenzene	270 DJ	490	20	83	05/08/19 21:37	
1,3-Dichlorobenzene	20 U	490	20	83	05/08/19 21:37	
1,4-Dichlorobenzene	22 U	490	22	83	05/08/19 21:37	
1,4-Dioxane	2000 U	9800	2000	83	05/08/19 21:37	
2-Butanone (MEK)	200 U	490	200	83	05/08/19 21:37	
2-Hexanone	36 U	490	36	83	05/08/19 21:37	
4-Isopropyltoluene	280 DJ	490	20	83	05/08/19 21:37	
4-Methyl-2-pentanone	23 U	490	23	83	05/08/19 21:37	
Acetone	470 U	490	470	83	05/08/19 21:37	
Benzene	470 DJ	490	20	83	05/08/19 21:37	
Bromochloromethane	20 U	490	20	83	05/08/19 21:37	
Bromodichloromethane	20 U	490	20	83	05/08/19 21:37	
Bromoform	50 U	490	50	83	05/08/19 21:37	
Bromomethane	210 U	490	210	83	05/08/19 21:37	
Carbon Disulfide	29 U	490	29	83	05/08/19 21:37	
Carbon Tetrachloride	26 U	490	26	83	05/08/19 21:37	
Chlorobenzene	20 U	490	20	83	05/08/19 21:37	
Chloroethane	20 U	490	20	83	05/08/19 21:37	
Chloroform	20 U	490	20	83	05/08/19 21:37	
Chloromethane	140 U	490	140	83	05/08/19 21:37	
Cyclohexane	1500 D	490	26	83	05/08/19 21:37	
Dibromochloromethane	20 U	490	20	83	05/08/19 21:37	
Dichlorodifluoromethane (CFC 12)	33 U	490	33	83	05/08/19 21:37	
Dichloromethane	280 U	490	280	83	05/08/19 21:37	
Ethylbenzene	1300 D	490	20	83	05/08/19 21:37	
Isopropylbenzene (Cumene)	540 D	490	20	83	05/08/19 21:37	
Methyl Acetate	1900 D	490	83	83	05/08/19 21:37	
Methyl tert-Butyl Ether	20 U	490	20	83	05/08/19 21:37	
Methylcyclohexane	2800 D	490	31	83	05/08/19 21:37	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	520 D	490	55	83	05/08/19 21:37	
Styrene	20 U	490	20	83	05/08/19 21:37	
Tetrachloroethene (PCE)	23 U	490	23	83	05/08/19 21:37	
Toluene	310 DJ	490	20	83	05/08/19 21:37	
Trichloroethene (TCE)	22 U	490	22	83	05/08/19 21:37	
Trichlorofluoromethane (CFC 11)	26 U	490	26	83	05/08/19 21:37	
Vinyl Chloride	46 U	490	46	83	05/08/19 21:37	
cis-1,2-Dichloroethene	20 U	490	20	83	05/08/19 21:37	
cis-1,3-Dichloropropene	20 U	490	20	83	05/08/19 21:37	
m,p-Xylenes	3200 D	980	37	83	05/08/19 21:37	
n-Butylbenzene	600 D	490	20	83	05/08/19 21:37	
n-Propylbenzene	2600 D	490	20	83	05/08/19 21:37	
o-Xylene	200 DJ	490	20	83	05/08/19 21:37	
sec-Butylbenzene	290 DJ	490	20	83	05/08/19 21:37	
tert-Butylbenzene	21 DJ	490	20	83	05/08/19 21:37	
trans-1,2-Dichloroethene	20 U	490	20	83	05/08/19 21:37	
trans-1,3-Dichloropropene	20 U	490	20	83	05/08/19 21:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	05/08/19 21:37	
Dibromofluoromethane	83	63 - 138	05/08/19 21:37	
Toluene-d8	91	66 - 138	05/08/19 21:37	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23

Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	390 U	9700	390	1620	05/08/19 22:21	
1,1,2,2-Tetrachloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1,2-Trichloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1-Dichloroethane (1,1-DCA)	390 U	9700	390	1620	05/08/19 22:21	
1,1-Dichloroethene (1,1-DCE)	570 U	9700	570	1620	05/08/19 22:21	
1,2,3-Trichlorobenzene	1100 U	9700	1100	1620	05/08/19 22:21	
1,2,4-Trichlorobenzene	820 U	9700	820	1620	05/08/19 22:21	
1,2,4-Trimethylbenzene	1200 J	9700	390	1620	05/08/19 22:21	
1,2-Dibromo-3-chloropropane (DBCP)	570 U	9700	570	1620	05/08/19 22:21	
1,2-Dibromoethane	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichloropropane	390 U	9700	390	1620	05/08/19 22:21	
1,3,5-Trimethylbenzene	390 U	9700	390	1620	05/08/19 22:21	
1,3-Dichlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
1,4-Dichlorobenzene	430 U	9700	430	1620	05/08/19 22:21	
1,4-Dioxane	39000 U	190000	39000	1620	05/08/19 22:21	
2-Butanone (MEK)	3900 U	9700	3900	1620	05/08/19 22:21	
2-Hexanone	700 U	9700	700	1620	05/08/19 22:21	
4-Isopropyltoluene	820 J	9700	390	1620	05/08/19 22:21	
4-Methyl-2-pentanone	450 U	9700	450	1620	05/08/19 22:21	
Acetone	9200 U	9700	9200	1620	05/08/19 22:21	
Benzene	390 U	9700	390	1620	05/08/19 22:21	
Bromochloromethane	390 U	9700	390	1620	05/08/19 22:21	
Bromodichloromethane	390 U	9700	390	1620	05/08/19 22:21	
Bromoform	980 U	9700	980	1620	05/08/19 22:21	
Bromomethane	4100 U	9700	4100	1620	05/08/19 22:21	
Carbon Disulfide	570 U	9700	570	1620	05/08/19 22:21	
Carbon Tetrachloride	510 U	9700	510	1620	05/08/19 22:21	
Chlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
Chloroethane	980 J	9700	390	1620	05/08/19 22:21	
Chloroform	390 U	9700	390	1620	05/08/19 22:21	
Chloromethane	2800 U	9700	2800	1620	05/08/19 22:21	
Cyclohexane	29000	9700	510	1620	05/08/19 22:21	
Dibromochloromethane	390 U	9700	390	1620	05/08/19 22:21	
Dichlorodifluoromethane (CFC 12)	650 U	9700	650	1620	05/08/19 22:21	
Dichloromethane	5500 U	9700	5500	1620	05/08/19 22:21	
Ethylbenzene	4500 J	9700	390	1620	05/08/19 22:21	
Isopropylbenzene (Cumene)	17000	9700	390	1620	05/08/19 22:21	
Methyl Acetate	4500 J	9700	1700	1620	05/08/19 22:21	
Methyl tert-Butyl Ether	390 U	9700	390	1620	05/08/19 22:21	
Methylcyclohexane	100000	9700	610	1620	05/08/19 22:21	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23

Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	49000	9700	1100	1620	05/08/19 22:21	
Styrene	390 U	9700	390	1620	05/08/19 22:21	
Tetrachloroethene (PCE)	450 U	9700	450	1620	05/08/19 22:21	
Toluene	390 U	9700	390	1620	05/08/19 22:21	
Trichloroethene (TCE)	430 U	9700	430	1620	05/08/19 22:21	
Trichlorofluoromethane (CFC 11)	510 U	9700	510	1620	05/08/19 22:21	
Vinyl Chloride	900 U	9700	900	1620	05/08/19 22:21	
cis-1,2-Dichloroethene	390 U	9700	390	1620	05/08/19 22:21	
cis-1,3-Dichloropropene	390 U	9700	390	1620	05/08/19 22:21	
m,p-Xylenes	720 U	19000	720	1620	05/08/19 22:21	
n-Butylbenzene	36000	9700	390	1620	05/08/19 22:21	
n-Propylbenzene	76000	9700	390	1620	05/08/19 22:21	
o-Xylene	390 U	9700	390	1620	05/08/19 22:21	
sec-Butylbenzene	10000	9700	390	1620	05/08/19 22:21	
tert-Butylbenzene	930 J	9700	390	1620	05/08/19 22:21	
trans-1,2-Dichloroethene	390 U	9700	390	1620	05/08/19 22:21	
trans-1,3-Dichloropropene	390 U	9700	390	1620	05/08/19 22:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	31 - 154	05/08/19 22:21	
Dibromofluoromethane	86	63 - 138	05/08/19 22:21	
Toluene-d8	91	66 - 138	05/08/19 22:21	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:00
Date Received: 05/02/19 16:23

Sample Name: TMW-01-24
Lab Code: R1903954-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/07/19 16:09	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/07/19 16:09	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/07/19 16:09	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/07/19 16:09	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,4-Dioxane	13 U	100	13	1	05/07/19 16:09	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/07/19 16:09	
2-Hexanone	0.20 U	10	0.20	1	05/07/19 16:09	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/07/19 16:09	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/07/19 16:09	
Acetone	2.8 J	10	2.1	1	05/07/19 16:09	
Benzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Bromochloromethane	0.24 U	5.0	0.24	1	05/07/19 16:09	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/07/19 16:09	
Bromoform	0.25 U	5.0	0.25	1	05/07/19 16:09	
Bromomethane	0.70 U	5.0	0.70	1	05/07/19 16:09	
Carbon Disulfide	0.25 U	10	0.25	1	05/07/19 16:09	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/07/19 16:09	
Chlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Chloroethane	0.23 U	5.0	0.23	1	05/07/19 16:09	
Chloroform	0.24 U	5.0	0.24	1	05/07/19 16:09	
Chloromethane	0.28 U	5.0	0.28	1	05/07/19 16:09	
Cyclohexane	0.26 U	10	0.26	1	05/07/19 16:09	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/07/19 16:09	
Dichloromethane	0.36 U	5.0	0.36	1	05/07/19 16:09	
Ethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/07/19 16:09	
Methyl Acetate	0.33 U	10	0.33	1	05/07/19 16:09	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/07/19 16:09	
Methylcyclohexane	0.20 U	10	0.20	1	05/07/19 16:09	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:00
Date Received: 05/02/19 16:23

Sample Name: TMW-01-24
Lab Code: R1903954-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/07/19 16:09	
Styrene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/07/19 16:09	
Toluene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/07/19 16:09	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/07/19 16:09	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/07/19 16:09	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/07/19 16:09	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/07/19 16:09	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/07/19 16:09	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
o-Xylene	0.20 U	5.0	0.20	1	05/07/19 16:09	
sec-Butylbenzene	0.33 J	5.0	0.20	1	05/07/19 16:09	
tert-Butylbenzene	0.73 J	5.0	0.20	1	05/07/19 16:09	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/07/19 16:09	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/07/19 16:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/07/19 16:09	
Dibromofluoromethane	98	89 - 119	05/07/19 16:09	
Toluene-d8	101	87 - 121	05/07/19 16:09	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:15
Date Received: 05/02/19 16:23

Sample Name: TMW-02-24
Lab Code: R1903954-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.42 U	10	0.42	2	05/07/19 16:53	
1,1,2,2-Tetrachloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1,2-Trichloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1-Dichloroethane (1,1-DCA)	0.40 U	10	0.40	2	05/07/19 16:53	
1,1-Dichloroethene (1,1-DCE)	0.50 U	10	0.50	2	05/07/19 16:53	
1,2,3-Trichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,2,4-Trichlorobenzene	0.50 U	10	0.50	2	05/07/19 16:53	
1,2,4-Trimethylbenzene	1.5 J	10	0.40	2	05/07/19 16:53	
1,2-Dibromo-3-chloropropane (DBCP)	0.90 U	10	0.90	2	05/07/19 16:53	
1,2-Dibromoethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichloropropane	0.40 U	10	0.40	2	05/07/19 16:53	
1,3,5-Trimethylbenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,3-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,4-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,4-Dioxane	26 U	200	26	2	05/07/19 16:53	
2-Butanone (MEK)	2.8 J	20	1.6	2	05/07/19 16:53	
2-Hexanone	0.40 U	20	0.40	2	05/07/19 16:53	
4-Isopropyltoluene	1.6 J	10	0.40	2	05/07/19 16:53	
4-Methyl-2-pentanone	0.40 U	20	0.40	2	05/07/19 16:53	
Acetone	11 J	20	4.2	2	05/07/19 16:53	
Benzene	1.2 J	10	0.40	2	05/07/19 16:53	
Bromochloromethane	0.48 U	10	0.48	2	05/07/19 16:53	
Bromodichloromethane	0.44 U	10	0.44	2	05/07/19 16:53	
Bromoform	0.50 U	10	0.50	2	05/07/19 16:53	
Bromomethane	1.4 U	10	1.4	2	05/07/19 16:53	
Carbon Disulfide	0.50 U	20	0.50	2	05/07/19 16:53	
Carbon Tetrachloride	0.68 U	10	0.68	2	05/07/19 16:53	
Chlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
Chloroethane	0.46 U	10	0.46	2	05/07/19 16:53	
Chloroform	0.48 U	10	0.48	2	05/07/19 16:53	
Chloromethane	0.56 U	10	0.56	2	05/07/19 16:53	
Cyclohexane	61	20	0.52	2	05/07/19 16:53	
Dibromochloromethane	0.40 U	10	0.40	2	05/07/19 16:53	
Dichlorodifluoromethane (CFC 12)	0.42 U	10	0.42	2	05/07/19 16:53	
Dichloromethane	0.72 U	10	0.72	2	05/07/19 16:53	
Ethylbenzene	1.4 J	10	0.40	2	05/07/19 16:53	
Isopropylbenzene (Cumene)	25	10	0.40	2	05/07/19 16:53	
Methyl Acetate	0.66 U	20	0.66	2	05/07/19 16:53	
Methyl tert-Butyl Ether	0.40 U	10	0.40	2	05/07/19 16:53	
Methylcyclohexane	180	20	0.40	2	05/07/19 16:53	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:15
Date Received: 05/02/19 16:23

Sample Name: TMW-02-24
Lab Code: R1903954-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	56	10	0.48	2	05/07/19 16:53	
Styrene	0.40 U	10	0.40	2	05/07/19 16:53	
Tetrachloroethene (PCE)	0.42 U	10	0.42	2	05/07/19 16:53	
Toluene	0.75 J	10	0.40	2	05/07/19 16:53	
Trichloroethene (TCE)	0.40 U	10	0.40	2	05/07/19 16:53	
Trichlorofluoromethane (CFC 11)	0.48 U	10	0.48	2	05/07/19 16:53	
Vinyl Chloride	0.40 U	10	0.40	2	05/07/19 16:53	
cis-1,2-Dichloroethene	0.46 U	10	0.46	2	05/07/19 16:53	
cis-1,3-Dichloropropene	0.40 U	10	0.40	2	05/07/19 16:53	
m,p-Xylenes	1.1 J	10	0.40	2	05/07/19 16:53	
n-Butylbenzene	13	10	0.40	2	05/07/19 16:53	
n-Propylbenzene	46	10	0.40	2	05/07/19 16:53	
o-Xylene	0.73 J	10	0.40	2	05/07/19 16:53	
sec-Butylbenzene	6.7 J	10	0.40	2	05/07/19 16:53	
tert-Butylbenzene	1.9 J	10	0.40	2	05/07/19 16:53	
trans-1,2-Dichloroethene	0.40 U	10	0.40	2	05/07/19 16:53	
trans-1,3-Dichloropropene	0.46 U	10	0.46	2	05/07/19 16:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/07/19 16:53	
Dibromofluoromethane	98	89 - 119	05/07/19 16:53	
Toluene-d8	102	87 - 121	05/07/19 16:53	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:40
Date Received: 05/02/19 16:23

Sample Name: TMW-04-24
Lab Code: R1903954-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:47	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:47	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:47	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:47	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:47	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:47	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:47	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:47	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:47	
Acetone	2.1 U	10	2.1	1	05/06/19 18:47	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:47	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 18:47	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:47	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:47	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:47	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:47	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:47	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 18:47	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:47	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:47	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:47	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:47	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:47	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:47	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:47	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 18:47	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:40
Date Received: 05/02/19 16:23

Sample Name: TMW-04-24
Lab Code: R1903954-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:47	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:47	
Toluene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:47	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:47	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:47	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:47	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:47	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 18:47	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:47	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:47	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 18:47	
Dibromofluoromethane	99	89 - 119	05/06/19 18:47	
Toluene-d8	100	87 - 121	05/06/19 18:47	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:05
Date Received: 05/02/19 16:23

Sample Name: TMW-06-24
Lab Code: R1903954-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/07/19 16:31	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/07/19 16:31	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/07/19 16:31	
1,2,4-Trimethylbenzene	1.7 J	5.0	0.20	1	05/07/19 16:31	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/07/19 16:31	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,4-Dioxane	13 U	100	13	1	05/07/19 16:31	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/07/19 16:31	
2-Hexanone	0.20 U	10	0.20	1	05/07/19 16:31	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/07/19 16:31	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/07/19 16:31	
Acetone	3.8 J	10	2.1	1	05/07/19 16:31	
Benzene	1.4 J	5.0	0.20	1	05/07/19 16:31	
Bromochloromethane	0.24 U	5.0	0.24	1	05/07/19 16:31	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/07/19 16:31	
Bromoform	0.25 U	5.0	0.25	1	05/07/19 16:31	
Bromomethane	0.70 U	5.0	0.70	1	05/07/19 16:31	
Carbon Disulfide	0.25 U	10	0.25	1	05/07/19 16:31	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/07/19 16:31	
Chlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
Chloroethane	0.23 U	5.0	0.23	1	05/07/19 16:31	
Chloroform	0.24 U	5.0	0.24	1	05/07/19 16:31	
Chloromethane	0.28 U	5.0	0.28	1	05/07/19 16:31	
Cyclohexane	2.3 J	10	0.26	1	05/07/19 16:31	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/07/19 16:31	
Dichloromethane	0.36 U	5.0	0.36	1	05/07/19 16:31	
Ethylbenzene	0.55 J	5.0	0.20	1	05/07/19 16:31	
Isopropylbenzene (Cumene)	2.5 J	5.0	0.20	1	05/07/19 16:31	
Methyl Acetate	0.33 U	10	0.33	1	05/07/19 16:31	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/07/19 16:31	
Methylcyclohexane	5.1 J	10	0.20	1	05/07/19 16:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:05
Date Received: 05/02/19 16:23

Sample Name: TMW-06-24
Lab Code: R1903954-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/07/19 16:31	
Styrene	0.20 U	5.0	0.20	1	05/07/19 16:31	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/07/19 16:31	
Toluene	0.48 J	5.0	0.20	1	05/07/19 16:31	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/07/19 16:31	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/07/19 16:31	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/07/19 16:31	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/07/19 16:31	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/07/19 16:31	
m,p-Xylenes	1.2 J	5.0	0.20	1	05/07/19 16:31	
n-Butylbenzene	0.92 J	5.0	0.20	1	05/07/19 16:31	
n-Propylbenzene	4.9 J	5.0	0.20	1	05/07/19 16:31	
o-Xylene	0.39 J	5.0	0.20	1	05/07/19 16:31	
sec-Butylbenzene	2.0 J	5.0	0.20	1	05/07/19 16:31	
tert-Butylbenzene	0.48 J	5.0	0.20	1	05/07/19 16:31	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/07/19 16:31	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/07/19 16:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/07/19 16:31	
Dibromofluoromethane	99	89 - 119	05/07/19 16:31	
Toluene-d8	102	87 - 121	05/07/19 16:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:15
Date Received: 05/02/19 16:23

Sample Name: TMW-08-24
Lab Code: R1903954-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.1 U	25	1.1	5	05/08/19 14:43	
1,1,2,2-Tetrachloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1,2-Trichloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	25	1.0	5	05/08/19 14:43	
1,1-Dichloroethene (1,1-DCE)	1.3 U	25	1.3	5	05/08/19 14:43	
1,2,3-Trichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,2,4-Trichlorobenzene	1.3 U	25	1.3	5	05/08/19 14:43	
1,2,4-Trimethylbenzene	12 J	25	1.0	5	05/08/19 14:43	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	25	2.3	5	05/08/19 14:43	
1,2-Dibromoethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichloropropane	1.0 U	25	1.0	5	05/08/19 14:43	
1,3,5-Trimethylbenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,3-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,4-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,4-Dioxane	65 U	500	65	5	05/08/19 14:43	
2-Butanone (MEK)	18 J	50	3.9	5	05/08/19 14:43	
2-Hexanone	2.9 J	50	1.0	5	05/08/19 14:43	
4-Isopropyltoluene	2.6 J	25	1.0	5	05/08/19 14:43	
4-Methyl-2-pentanone	1.8 J	50	1.0	5	05/08/19 14:43	
Acetone	60	50	11	5	05/08/19 14:43	
Benzene	1.6 J	25	1.0	5	05/08/19 14:43	
Bromochloromethane	1.2 U	25	1.2	5	05/08/19 14:43	
Bromodichloromethane	1.1 U	25	1.1	5	05/08/19 14:43	
Bromoform	1.3 U	25	1.3	5	05/08/19 14:43	
Bromomethane	3.5 U	25	3.5	5	05/08/19 14:43	
Carbon Disulfide	1.3 U	50	1.3	5	05/08/19 14:43	
Carbon Tetrachloride	1.7 U	25	1.7	5	05/08/19 14:43	
Chlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
Chloroethane	1.2 U	25	1.2	5	05/08/19 14:43	
Chloroform	1.2 U	25	1.2	5	05/08/19 14:43	
Chloromethane	1.4 U	25	1.4	5	05/08/19 14:43	
Cyclohexane	72	50	1.3	5	05/08/19 14:43	
Dibromochloromethane	1.0 U	25	1.0	5	05/08/19 14:43	
Dichlorodifluoromethane (CFC 12)	1.1 U	25	1.1	5	05/08/19 14:43	
Dichloromethane	1.8 U	25	1.8	5	05/08/19 14:43	
Ethylbenzene	67	25	1.0	5	05/08/19 14:43	
Isopropylbenzene (Cumene)	130	25	1.0	5	05/08/19 14:43	
Methyl Acetate	1.7 U	50	1.7	5	05/08/19 14:43	
Methyl tert-Butyl Ether	1.0 U	25	1.0	5	05/08/19 14:43	
Methylcyclohexane	240	50	1.0	5	05/08/19 14:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:15
Date Received: 05/02/19 16:23

Sample Name: TMW-08-24
Lab Code: R1903954-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	650	25	1.2	5	05/08/19 14:43	
Styrene	1.0 U	25	1.0	5	05/08/19 14:43	
Tetrachloroethene (PCE)	1.1 U	25	1.1	5	05/08/19 14:43	
Toluene	1.2 J	25	1.0	5	05/08/19 14:43	
Trichloroethene (TCE)	1.0 U	25	1.0	5	05/08/19 14:43	
Trichlorofluoromethane (CFC 11)	1.2 U	25	1.2	5	05/08/19 14:43	
Vinyl Chloride	1.0 U	25	1.0	5	05/08/19 14:43	
cis-1,2-Dichloroethene	1.2 U	25	1.2	5	05/08/19 14:43	
cis-1,3-Dichloropropene	1.0 U	25	1.0	5	05/08/19 14:43	
m,p-Xylenes	3.6 J	25	1.0	5	05/08/19 14:43	
n-Butylbenzene	81	25	1.0	5	05/08/19 14:43	
n-Propylbenzene	440	25	1.0	5	05/08/19 14:43	
o-Xylene	1.3 J	25	1.0	5	05/08/19 14:43	
sec-Butylbenzene	27	25	1.0	5	05/08/19 14:43	
tert-Butylbenzene	3.6 J	25	1.0	5	05/08/19 14:43	
trans-1,2-Dichloroethene	1.0 U	25	1.0	5	05/08/19 14:43	
trans-1,3-Dichloropropene	1.2 U	25	1.2	5	05/08/19 14:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/08/19 14:43	
Dibromofluoromethane	96	89 - 119	05/08/19 14:43	
Toluene-d8	99	87 - 121	05/08/19 14:43	



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23

Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/07/19 17:49	5/6/19	
2,3,4,6-Tetrachlorophenol	97 U	390	97	1	05/07/19 17:49	5/6/19	
2,4,5-Trichlorophenol	97 U	390	97	1	05/07/19 17:49	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/07/19 17:49	5/6/19	
2,4-Dichlorophenol	80 U	390	80	1	05/07/19 17:49	5/6/19	
2,4-Dimethylphenol	75 U	390	75	1	05/07/19 17:49	5/6/19	
2,4-Dinitrophenol	73 U	2000	73	1	05/07/19 17:49	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/07/19 17:49	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/07/19 17:49	5/6/19	
2-Chloronaphthalene	86 U	390	86	1	05/07/19 17:49	5/6/19	
2-Chlorophenol	95 U	390	95	1	05/07/19 17:49	5/6/19	
2-Methylnaphthalene	88 U	390	88	1	05/07/19 17:49	5/6/19	
2-Methylphenol	95 U	390	95	1	05/07/19 17:49	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/07/19 17:49	5/6/19	
2-Nitrophenol	89 U	390	89	1	05/07/19 17:49	5/6/19	
3,3'-Dichlorobenzidine	120 U	390	120	1	05/07/19 17:49	5/6/19	
3- and 4-Methylphenol Coelution	98 U	390	98	1	05/07/19 17:49	5/6/19	
3-Nitroaniline	85 U	2000	85	1	05/07/19 17:49	5/6/19	
4,6-Dinitro-2-methylphenol	85 U	2000	85	1	05/07/19 17:49	5/6/19	
4-Bromophenyl Phenyl Ether	120 U	390	120	1	05/07/19 17:49	5/6/19	
4-Chloro-3-methylphenol	89 U	390	89	1	05/07/19 17:49	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/07/19 17:49	5/6/19	
4-Chlorophenyl Phenyl Ether	93 U	390	93	1	05/07/19 17:49	5/6/19	
4-Nitroaniline	86 U	2000	86	1	05/07/19 17:49	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 17:49	5/6/19	
Acenaphthene	94 J	390	86	1	05/07/19 17:49	5/6/19	
Acenaphthylene	430	390	80	1	05/07/19 17:49	5/6/19	
Acetophenone	91 U	390	91	1	05/07/19 17:49	5/6/19	
Anthracene	370 J	390	76	1	05/07/19 17:49	5/6/19	
Atrazine	110 U	390	110	1	05/07/19 17:49	5/6/19	
Benz(a)anthracene	2000	390	68	1	05/07/19 17:49	5/6/19	
Benzaldehyde	93 U	2000	93	1	05/07/19 17:49	5/6/19	
Benzo(a)pyrene	2700	390	79	1	05/07/19 17:49	5/6/19	
Benzo(b)fluoranthene	2600	390	71	1	05/07/19 17:49	5/6/19	
Benzo(g,h,i)perylene	1700	390	89	1	05/07/19 17:49	5/6/19	
Benzo(k)fluoranthene	1000	390	88	1	05/07/19 17:49	5/6/19	
Biphenyl	91 U	390	91	1	05/07/19 17:49	5/6/19	
2,2'-Oxybis(1-chloropropane)	96 U	390	96	1	05/07/19 17:49	5/6/19	
Bis(2-chloroethoxy)methane	90 U	390	90	1	05/07/19 17:49	5/6/19	
Bis(2-chloroethyl) Ether	71 U	390	71	1	05/07/19 17:49	5/6/19	
Bis(2-ethylhexyl) Phthalate	550 U	590	550	1	05/07/19 17:49	5/6/19	
Butyl Benzyl Phthalate	75 U	390	75	1	05/07/19 17:49	5/6/19	
Caprolactam	87 U	390	87	1	05/07/19 17:49	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23

Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110 J	390	97	1	05/07/19 17:49	5/6/19	
Chrysene	2000	390	77	1	05/07/19 17:49	5/6/19	
Di-n-butyl Phthalate	140 U	390	140	1	05/07/19 17:49	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/07/19 17:49	5/6/19	
Dibenz(a,h)anthracene	400	390	71	1	05/07/19 17:49	5/6/19	
Dibenzofuran	80 U	390	80	1	05/07/19 17:49	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/07/19 17:49	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/07/19 17:49	5/6/19	
Fluoranthene	2800	390	92	1	05/07/19 17:49	5/6/19	
Fluorene	98 U	390	98	1	05/07/19 17:49	5/6/19	
Hexachlorobenzene	91 U	390	91	1	05/07/19 17:49	5/6/19	
Hexachlorobutadiene	66 U	390	66	1	05/07/19 17:49	5/6/19	
Hexachlorocyclopentadiene	65 U	390	65	1	05/07/19 17:49	5/6/19	
Hexachloroethane	68 U	390	68	1	05/07/19 17:49	5/6/19	
Indeno(1,2,3-cd)pyrene	1600	390	86	1	05/07/19 17:49	5/6/19	
Isophorone	84 U	390	84	1	05/07/19 17:49	5/6/19	
N-Nitrosodi-n-propylamine	71 U	390	71	1	05/07/19 17:49	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/07/19 17:49	5/6/19	
Naphthalene	89 J	390	80	1	05/07/19 17:49	5/6/19	
Nitrobenzene	80 U	390	80	1	05/07/19 17:49	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 17:49	5/6/19	
Phenanthrene	1200	390	81	1	05/07/19 17:49	5/6/19	
Phenol	86 U	390	86	1	05/07/19 17:49	5/6/19	
Pyrene	2800	390	76	1	05/07/19 17:49	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	10 - 109	05/07/19 17:49	
2-Fluorobiphenyl	35	10 - 102	05/07/19 17:49	
2-Fluorophenol	24	10 - 88	05/07/19 17:49	
Nitrobenzene-d5	30	10 - 95	05/07/19 17:49	
Phenol-d6	27	10 - 145	05/07/19 17:49	
Terphenyl-d14	41	10 - 106	05/07/19 17:49	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/07/19 18:18	5/6/19	
2,3,4,6-Tetrachlorophenol	96 U	390	96	1	05/07/19 18:18	5/6/19	
2,4,5-Trichlorophenol	97 U	390	97	1	05/07/19 18:18	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/07/19 18:18	5/6/19	
2,4-Dichlorophenol	80 U	390	80	1	05/07/19 18:18	5/6/19	
2,4-Dimethylphenol	74 U	390	74	1	05/07/19 18:18	5/6/19	
2,4-Dinitrophenol	73 U	2000	73	1	05/07/19 18:18	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/07/19 18:18	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/07/19 18:18	5/6/19	
2-Chloronaphthalene	86 U	390	86	1	05/07/19 18:18	5/6/19	
2-Chlorophenol	95 U	390	95	1	05/07/19 18:18	5/6/19	
2-Methylnaphthalene	260 J	390	88	1	05/07/19 18:18	5/6/19	
2-Methylphenol	95 U	390	95	1	05/07/19 18:18	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/07/19 18:18	5/6/19	
2-Nitrophenol	89 U	390	89	1	05/07/19 18:18	5/6/19	
3,3'-Dichlorobenzidine	120 U	390	120	1	05/07/19 18:18	5/6/19	
3- and 4-Methylphenol Coelution	98 U	390	98	1	05/07/19 18:18	5/6/19	
3-Nitroaniline	84 U	2000	84	1	05/07/19 18:18	5/6/19	
4,6-Dinitro-2-methylphenol	84 U	2000	84	1	05/07/19 18:18	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	390	110	1	05/07/19 18:18	5/6/19	
4-Chloro-3-methylphenol	89 U	390	89	1	05/07/19 18:18	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/07/19 18:18	5/6/19	
4-Chlorophenyl Phenyl Ether	93 U	390	93	1	05/07/19 18:18	5/6/19	
4-Nitroaniline	86 U	2000	86	1	05/07/19 18:18	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 18:18	5/6/19	
Acenaphthene	86 U	390	86	1	05/07/19 18:18	5/6/19	
Acenaphthylene	80 U	390	80	1	05/07/19 18:18	5/6/19	
Acetophenone	91 U	390	91	1	05/07/19 18:18	5/6/19	
Anthracene	75 U	390	75	1	05/07/19 18:18	5/6/19	
Atrazine	110 U	390	110	1	05/07/19 18:18	5/6/19	
Benz(a)anthracene	130 J	390	68	1	05/07/19 18:18	5/6/19	
Benzaldehyde	93 U	2000	93	1	05/07/19 18:18	5/6/19	
Benzo(a)pyrene	100 J	390	78	1	05/07/19 18:18	5/6/19	
Benzo(b)fluoranthene	140 J	390	71	1	05/07/19 18:18	5/6/19	
Benzo(g,h,i)perylene	89 U	390	89	1	05/07/19 18:18	5/6/19	
Benzo(k)fluoranthene	87 U	390	87	1	05/07/19 18:18	5/6/19	
Biphenyl	91 U	390	91	1	05/07/19 18:18	5/6/19	
2,2'-Oxybis(1-chloropropane)	95 U	390	95	1	05/07/19 18:18	5/6/19	
Bis(2-chloroethoxy)methane	89 U	390	89	1	05/07/19 18:18	5/6/19	
Bis(2-chloroethyl) Ether	71 U	390	71	1	05/07/19 18:18	5/6/19	
Bis(2-ethylhexyl) Phthalate	540 U	590	540	1	05/07/19 18:18	5/6/19	
Butyl Benzyl Phthalate	74 U	390	74	1	05/07/19 18:18	5/6/19	
Caprolactam	87 U	390	87	1	05/07/19 18:18	5/6/19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	97 U	390	97	1	05/07/19 18:18	5/6/19	
Chrysene	170 J	390	77	1	05/07/19 18:18	5/6/19	
Di-n-butyl Phthalate	130 U	390	130	1	05/07/19 18:18	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/07/19 18:18	5/6/19	
Dibenz(a,h)anthracene	71 U	390	71	1	05/07/19 18:18	5/6/19	
Dibenzofuran	80 U	390	80	1	05/07/19 18:18	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/07/19 18:18	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/07/19 18:18	5/6/19	
Fluoranthene	540	390	92	1	05/07/19 18:18	5/6/19	
Fluorene	98 U	390	98	1	05/07/19 18:18	5/6/19	
Hexachlorobenzene	91 U	390	91	1	05/07/19 18:18	5/6/19	
Hexachlorobutadiene	66 U	390	66	1	05/07/19 18:18	5/6/19	
Hexachlorocyclopentadiene	65 U	390	65	1	05/07/19 18:18	5/6/19	
Hexachloroethane	68 U	390	68	1	05/07/19 18:18	5/6/19	
Indeno(1,2,3-cd)pyrene	86 U	390	86	1	05/07/19 18:18	5/6/19	
Isophorone	84 U	390	84	1	05/07/19 18:18	5/6/19	
N-Nitrosodi-n-propylamine	71 U	390	71	1	05/07/19 18:18	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/07/19 18:18	5/6/19	
Naphthalene	160 J	390	80	1	05/07/19 18:18	5/6/19	
Nitrobenzene	80 U	390	80	1	05/07/19 18:18	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 18:18	5/6/19	
Phenanthrene	340 J	390	81	1	05/07/19 18:18	5/6/19	
Phenol	85 U	390	85	1	05/07/19 18:18	5/6/19	
Pyrene	420	390	76	1	05/07/19 18:18	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	41	10 - 109	05/07/19 18:18	
2-Fluorobiphenyl	20	10 - 102	05/07/19 18:18	
2-Fluorophenol	17	10 - 88	05/07/19 18:18	
Nitrobenzene-d5	19	10 - 95	05/07/19 18:18	
Phenol-d6	18	10 - 145	05/07/19 18:18	
Terphenyl-d14	39	10 - 106	05/07/19 18:18	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	130 U	430	130	1	05/07/19 18:47	5/6/19	
2,3,4,6-Tetrachlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,4,5-Trichlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,4,6-Trichlorophenol	120 U	430	120	1	05/07/19 18:47	5/6/19	
2,4-Dichlorophenol	89 U	430	89	1	05/07/19 18:47	5/6/19	
2,4-Dimethylphenol	82 U	430	82	1	05/07/19 18:47	5/6/19	
2,4-Dinitrophenol	81 U	2200	81	1	05/07/19 18:47	5/6/19	
2,4-Dinitrotoluene	120 U	430	120	1	05/07/19 18:47	5/6/19	
2,6-Dinitrotoluene	160 U	430	160	1	05/07/19 18:47	5/6/19	
2-Chloronaphthalene	95 U	430	95	1	05/07/19 18:47	5/6/19	
2-Chlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2-Methylnaphthalene	97 U	430	97	1	05/07/19 18:47	5/6/19	
2-Methylphenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2-Nitroaniline	130 U	2200	130	1	05/07/19 18:47	5/6/19	
2-Nitrophenol	98 U	430	98	1	05/07/19 18:47	5/6/19	
3,3'-Dichlorobenzidine	140 U	430	140	1	05/07/19 18:47	5/6/19	
3- and 4-Methylphenol Coelution	110 U	430	110	1	05/07/19 18:47	5/6/19	
3-Nitroaniline	93 U	2200	93	1	05/07/19 18:47	5/6/19	
4,6-Dinitro-2-methylphenol	93 U	2200	93	1	05/07/19 18:47	5/6/19	
4-Bromophenyl Phenyl Ether	130 U	430	130	1	05/07/19 18:47	5/6/19	
4-Chloro-3-methylphenol	98 U	430	98	1	05/07/19 18:47	5/6/19	
4-Chloroaniline	52 U	430	52	1	05/07/19 18:47	5/6/19	
4-Chlorophenyl Phenyl Ether	110 U	430	110	1	05/07/19 18:47	5/6/19	
4-Nitroaniline	95 U	2200	95	1	05/07/19 18:47	5/6/19	
4-Nitrophenol	250 U	2200	250	1	05/07/19 18:47	5/6/19	
Acenaphthene	95 U	430	95	1	05/07/19 18:47	5/6/19	
Acenaphthylene	88 U	430	88	1	05/07/19 18:47	5/6/19	
Acetophenone	110 U	430	110	1	05/07/19 18:47	5/6/19	
Anthracene	83 U	430	83	1	05/07/19 18:47	5/6/19	
Atrazine	120 U	430	120	1	05/07/19 18:47	5/6/19	
Benz(a)anthracene	120 J	430	75	1	05/07/19 18:47	5/6/19	
Benzaldehyde	110 U	2200	110	1	05/07/19 18:47	5/6/19	
Benzo(a)pyrene	180 J	430	87	1	05/07/19 18:47	5/6/19	
Benzo(b)fluoranthene	180 J	430	79	1	05/07/19 18:47	5/6/19	
Benzo(g,h,i)perylene	220 J	430	98	1	05/07/19 18:47	5/6/19	
Benzo(k)fluoranthene	97 U	430	97	1	05/07/19 18:47	5/6/19	
Biphenyl	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,2'-Oxybis(1-chloropropane)	110 U	430	110	1	05/07/19 18:47	5/6/19	
Bis(2-chloroethoxy)methane	99 U	430	99	1	05/07/19 18:47	5/6/19	
Bis(2-chloroethyl) Ether	78 U	430	78	1	05/07/19 18:47	5/6/19	
Bis(2-ethylhexyl) Phthalate	600 U	650	600	1	05/07/19 18:47	5/6/19	
Butyl Benzyl Phthalate	82 U	430	82	1	05/07/19 18:47	5/6/19	
Caprolactam	96 U	430	96	1	05/07/19 18:47	5/6/19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110 U	430	110	1	05/07/19 18:47	5/6/19	
Chrysene	140 J	430	85	1	05/07/19 18:47	5/6/19	
Di-n-butyl Phthalate	150 U	430	150	1	05/07/19 18:47	5/6/19	
Di-n-octyl Phthalate	130 U	430	130	1	05/07/19 18:47	5/6/19	
Dibenz(a,h)anthracene	78 U	430	78	1	05/07/19 18:47	5/6/19	
Dibenzofuran	88 U	430	88	1	05/07/19 18:47	5/6/19	
Diethyl Phthalate	240 U	430	240	1	05/07/19 18:47	5/6/19	
Dimethyl Phthalate	120 U	430	120	1	05/07/19 18:47	5/6/19	
Fluoranthene	190 J	430	110	1	05/07/19 18:47	5/6/19	
Fluorene	110 U	430	110	1	05/07/19 18:47	5/6/19	
Hexachlorobenzene	100 U	430	100	1	05/07/19 18:47	5/6/19	
Hexachlorobutadiene	73 U	430	73	1	05/07/19 18:47	5/6/19	
Hexachlorocyclopentadiene	71 U	430	71	1	05/07/19 18:47	5/6/19	
Hexachloroethane	75 U	430	75	1	05/07/19 18:47	5/6/19	
Indeno(1,2,3-cd)pyrene	160 J	430	95	1	05/07/19 18:47	5/6/19	
Isophorone	93 U	430	93	1	05/07/19 18:47	5/6/19	
N-Nitrosodi-n-propylamine	78 U	430	78	1	05/07/19 18:47	5/6/19	
N-Nitrosodiphenylamine	200 U	430	200	1	05/07/19 18:47	5/6/19	
Naphthalene	89 U	430	89	1	05/07/19 18:47	5/6/19	
Nitrobenzene	89 U	430	89	1	05/07/19 18:47	5/6/19	
Pentachlorophenol (PCP)	150 U	2200	150	1	05/07/19 18:47	5/6/19	
Phenanthrene	90 U	430	90	1	05/07/19 18:47	5/6/19	
Phenol	94 U	430	94	1	05/07/19 18:47	5/6/19	
Pyrene	260 J	430	84	1	05/07/19 18:47	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	34	10 - 109	05/07/19 18:47	
2-Fluorobiphenyl	28	10 - 102	05/07/19 18:47	
2-Fluorophenol	26	10 - 88	05/07/19 18:47	
Nitrobenzene-d5	32	10 - 95	05/07/19 18:47	
Phenol-d6	29	10 - 145	05/07/19 18:47	
Terphenyl-d14	46	10 - 106	05/07/19 18:47	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	330 U	1100	330	3	05/07/19 19:16	5/6/19	
2,3,4,6-Tetrachlorophenol	280 U	1100	280	3	05/07/19 19:16	5/6/19	
2,4,5-Trichlorophenol	280 U	1100	280	3	05/07/19 19:16	5/6/19	
2,4,6-Trichlorophenol	290 U	1100	290	3	05/07/19 19:16	5/6/19	
2,4-Dichlorophenol	230 U	1100	230	3	05/07/19 19:16	5/6/19	
2,4-Dimethylphenol	210 U	1100	210	3	05/07/19 19:16	5/6/19	
2,4-Dinitrophenol	210 U	5700	210	3	05/07/19 19:16	5/6/19	
2,4-Dinitrotoluene	290 U	1100	290	3	05/07/19 19:16	5/6/19	
2,6-Dinitrotoluene	390 U	1100	390	3	05/07/19 19:16	5/6/19	
2-Chloronaphthalene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
2-Chlorophenol	270 U	1100	270	3	05/07/19 19:16	5/6/19	
2-Methylnaphthalene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
2-Methylphenol	270 U	1100	270	3	05/07/19 19:16	5/6/19	
2-Nitroaniline	320 U	5700	320	3	05/07/19 19:16	5/6/19	
2-Nitrophenol	260 U	1100	260	3	05/07/19 19:16	5/6/19	
3,3'-Dichlorobenzidine	340 U	1100	340	3	05/07/19 19:16	5/6/19	
3- and 4-Methylphenol Coelution	280 U	1100	280	3	05/07/19 19:16	5/6/19	
3-Nitroaniline	240 U	5700	240	3	05/07/19 19:16	5/6/19	
4,6-Dinitro-2-methylphenol	240 U	5700	240	3	05/07/19 19:16	5/6/19	
4-Bromophenyl Phenyl Ether	320 U	1100	320	3	05/07/19 19:16	5/6/19	
4-Chloro-3-methylphenol	260 U	1100	260	3	05/07/19 19:16	5/6/19	
4-Chloroaniline	140 U	1100	140	3	05/07/19 19:16	5/6/19	
4-Chlorophenyl Phenyl Ether	270 U	1100	270	3	05/07/19 19:16	5/6/19	
4-Nitroaniline	250 U	5700	250	3	05/07/19 19:16	5/6/19	
4-Nitrophenol	650 U	5700	650	3	05/07/19 19:16	5/6/19	
Acenaphthene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
Acenaphthylene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Acetophenone	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Anthracene	240 J	1100	220	3	05/07/19 19:16	5/6/19	
Atrazine	300 U	1100	300	3	05/07/19 19:16	5/6/19	
Benz(a)anthracene	770 J	1100	200	3	05/07/19 19:16	5/6/19	
Benzaldehyde	270 U	5700	270	3	05/07/19 19:16	5/6/19	
Benzo(a)pyrene	1100	1100	230	3	05/07/19 19:16	5/6/19	
Benzo(b)fluoranthene	990 J	1100	210	3	05/07/19 19:16	5/6/19	
Benzo(g,h,i)perylene	800 J	1100	260	3	05/07/19 19:16	5/6/19	
Benzo(k)fluoranthene	320 J	1100	250	3	05/07/19 19:16	5/6/19	
Biphenyl	260 U	1100	260	3	05/07/19 19:16	5/6/19	
2,2'-Oxybis(1-chloropropane)	270 U	1100	270	3	05/07/19 19:16	5/6/19	
Bis(2-chloroethoxy)methane	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Bis(2-chloroethyl) Ether	210 U	1100	210	3	05/07/19 19:16	5/6/19	
Bis(2-ethylhexyl) Phthalate	1600 U	1700	1600	3	05/07/19 19:16	5/6/19	
Butyl Benzyl Phthalate	220 U	1100	220	3	05/07/19 19:16	5/6/19	
Caprolactam	250 U	1100	250	3	05/07/19 19:16	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	280 U	1100	280	3	05/07/19 19:16	5/6/19	
Chrysene	870 J	1100	220	3	05/07/19 19:16	5/6/19	
Di-n-butyl Phthalate	370 U	1100	370	3	05/07/19 19:16	5/6/19	
Di-n-octyl Phthalate	340 U	1100	340	3	05/07/19 19:16	5/6/19	
Dibenz(a,h)anthracene	200 U	1100	200	3	05/07/19 19:16	5/6/19	
Dibenzofuran	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Diethyl Phthalate	610 U	1100	610	3	05/07/19 19:16	5/6/19	
Dimethyl Phthalate	310 U	1100	310	3	05/07/19 19:16	5/6/19	
Fluoranthene	1100	1100	260	3	05/07/19 19:16	5/6/19	
Fluorene	280 U	1100	280	3	05/07/19 19:16	5/6/19	
Hexachlorobenzene	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Hexachlorobutadiene	190 U	1100	190	3	05/07/19 19:16	5/6/19	
Hexachlorocyclopentadiene	190 U	1100	190	3	05/07/19 19:16	5/6/19	
Hexachloroethane	200 U	1100	200	3	05/07/19 19:16	5/6/19	
Indeno(1,2,3-cd)pyrene	590 J	1100	250	3	05/07/19 19:16	5/6/19	
Isophorone	240 U	1100	240	3	05/07/19 19:16	5/6/19	
N-Nitrosodi-n-propylamine	200 U	1100	200	3	05/07/19 19:16	5/6/19	
N-Nitrosodiphenylamine	500 U	1100	500	3	05/07/19 19:16	5/6/19	
Naphthalene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Nitrobenzene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Pentachlorophenol (PCP)	370 U	5700	370	3	05/07/19 19:16	5/6/19	
Phenanthrene	840 J	1100	230	3	05/07/19 19:16	5/6/19	
Phenol	250 U	1100	250	3	05/07/19 19:16	5/6/19	
Pyrene	1500	1100	220	3	05/07/19 19:16	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	10 - 109	05/07/19 19:16	
2-Fluorobiphenyl	36	10 - 102	05/07/19 19:16	
2-Fluorophenol	30	10 - 88	05/07/19 19:16	
Nitrobenzene-d5	34	10 - 95	05/07/19 19:16	
Phenol-d6	28	10 - 145	05/07/19 19:16	
Terphenyl-d14	42	10 - 106	05/07/19 19:16	

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dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	330 U	1100	330	3	05/07/19 19:44	5/6/19	
2,3,4,6-Tetrachlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2,4,5-Trichlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2,4,6-Trichlorophenol	290 U	1100	290	3	05/07/19 19:44	5/6/19	
2,4-Dichlorophenol	230 U	1100	230	3	05/07/19 19:44	5/6/19	
2,4-Dimethylphenol	220 U	1100	220	3	05/07/19 19:44	5/6/19	
2,4-Dinitrophenol	210 U	5800	210	3	05/07/19 19:44	5/6/19	
2,4-Dinitrotoluene	300 U	1100	300	3	05/07/19 19:44	5/6/19	
2,6-Dinitrotoluene	400 U	1100	400	3	05/07/19 19:44	5/6/19	
2-Chloronaphthalene	250 U	1100	250	3	05/07/19 19:44	5/6/19	
2-Chlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2-Methylnaphthalene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
2-Methylphenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2-Nitroaniline	330 U	5800	330	3	05/07/19 19:44	5/6/19	
2-Nitrophenol	260 U	1100	260	3	05/07/19 19:44	5/6/19	
3,3'-Dichlorobenzidine	350 U	1100	350	3	05/07/19 19:44	5/6/19	
3- and 4-Methylphenol Coelution	290 U	1100	290	3	05/07/19 19:44	5/6/19	
3-Nitroaniline	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4,6-Dinitro-2-methylphenol	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4-Bromophenyl Phenyl Ether	320 U	1100	320	3	05/07/19 19:44	5/6/19	
4-Chloro-3-methylphenol	260 U	1100	260	3	05/07/19 19:44	5/6/19	
4-Chloroaniline	140 U	1100	140	3	05/07/19 19:44	5/6/19	
4-Chlorophenyl Phenyl Ether	270 U	1100	270	3	05/07/19 19:44	5/6/19	
4-Nitroaniline	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4-Nitrophenol	660 U	5800	660	3	05/07/19 19:44	5/6/19	
Acenaphthene	250 U	1100	250	3	05/07/19 19:44	5/6/19	
Acenaphthylene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Acetophenone	270 U	1100	270	3	05/07/19 19:44	5/6/19	
Anthracene	310 J	1100	220	3	05/07/19 19:44	5/6/19	
Atrazine	310 U	1100	310	3	05/07/19 19:44	5/6/19	
Benz(a)anthracene	720 J	1100	200	3	05/07/19 19:44	5/6/19	
Benzaldehyde	270 U	5800	270	3	05/07/19 19:44	5/6/19	
Benzo(a)pyrene	680 J	1100	230	3	05/07/19 19:44	5/6/19	
Benzo(b)fluoranthene	700 J	1100	210	3	05/07/19 19:44	5/6/19	
Benzo(g,h,i)perylene	470 J	1100	260	3	05/07/19 19:44	5/6/19	
Benzo(k)fluoranthene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Biphenyl	270 U	1100	270	3	05/07/19 19:44	5/6/19	
2,2'-Oxybis(1-chloropropane)	280 U	1100	280	3	05/07/19 19:44	5/6/19	
Bis(2-chloroethoxy)methane	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Bis(2-chloroethyl) Ether	210 U	1100	210	3	05/07/19 19:44	5/6/19	
Bis(2-ethylhexyl) Phthalate	1600 U	1700	1600	3	05/07/19 19:44	5/6/19	
Butyl Benzyl Phthalate	220 U	1100	220	3	05/07/19 19:44	5/6/19	
Caprolactam	250 U	1100	250	3	05/07/19 19:44	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	280 U	1100	280	3	05/07/19 19:44	5/6/19	
Chrysene	720 J	1100	220	3	05/07/19 19:44	5/6/19	
Di-n-butyl Phthalate	380 U	1100	380	3	05/07/19 19:44	5/6/19	
Di-n-octyl Phthalate	340 U	1100	340	3	05/07/19 19:44	5/6/19	
Dibenz(a,h)anthracene	210 U	1100	210	3	05/07/19 19:44	5/6/19	
Dibenzofuran	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Diethyl Phthalate	620 U	1100	620	3	05/07/19 19:44	5/6/19	
Dimethyl Phthalate	310 U	1100	310	3	05/07/19 19:44	5/6/19	
Fluoranthene	1600	1100	270	3	05/07/19 19:44	5/6/19	
Fluorene	290 U	1100	290	3	05/07/19 19:44	5/6/19	
Hexachlorobenzene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Hexachlorobutadiene	190 U	1100	190	3	05/07/19 19:44	5/6/19	
Hexachlorocyclopentadiene	190 U	1100	190	3	05/07/19 19:44	5/6/19	
Hexachloroethane	200 U	1100	200	3	05/07/19 19:44	5/6/19	
Indeno(1,2,3-cd)pyrene	370 J	1100	250	3	05/07/19 19:44	5/6/19	
Isophorone	250 U	1100	250	3	05/07/19 19:44	5/6/19	
N-Nitrosodi-n-propylamine	210 U	1100	210	3	05/07/19 19:44	5/6/19	
N-Nitrosodiphenylamine	500 U	1100	500	3	05/07/19 19:44	5/6/19	
Naphthalene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Nitrobenzene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Pentachlorophenol (PCP)	380 U	5800	380	3	05/07/19 19:44	5/6/19	
Phenanthrene	1300	1100	240	3	05/07/19 19:44	5/6/19	
Phenol	250 U	1100	250	3	05/07/19 19:44	5/6/19	
Pyrene	1800	1100	220	3	05/07/19 19:44	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	44	10 - 109	05/07/19 19:44	
2-Fluorobiphenyl	38	10 - 102	05/07/19 19:44	
2-Fluorophenol	33	10 - 88	05/07/19 19:44	
Nitrobenzene-d5	36	10 - 95	05/07/19 19:44	
Phenol-d6	31	10 - 145	05/07/19 19:44	
Terphenyl-d14	42	10 - 106	05/07/19 19:44	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:34
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	21 U	39	21	1	05/08/19 17:14	5/7/19	
Aroclor 1221	39 U	79	39	1	05/08/19 17:14	5/7/19	
Aroclor 1232	23 U	39	23	1	05/08/19 17:14	5/7/19	
Aroclor 1242	21 U	39	21	1	05/08/19 17:14	5/7/19	
Aroclor 1248	31 U	39	31	1	05/08/19 17:14	5/7/19	
Aroclor 1254	22 U	39	22	1	05/08/19 17:14	5/7/19	
Aroclor 1260	21 U	39	21	1	05/08/19 17:14	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	84	22 - 128	05/08/19 17:14	
Tetrachloro-m-xylene	68	14 - 119	05/08/19 17:14	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	23 U	43	23	1	05/08/19 17:34	5/7/19	
Aroclor 1221	43 U	87	43	1	05/08/19 17:34	5/7/19	
Aroclor 1232	25 U	43	25	1	05/08/19 17:34	5/7/19	
Aroclor 1242	23 U	43	23	1	05/08/19 17:34	5/7/19	
Aroclor 1248	34 U	43	34	1	05/08/19 17:34	5/7/19	
Aroclor 1254	24 U	43	24	1	05/08/19 17:34	5/7/19	
Aroclor 1260	23 U	43	23	1	05/08/19 17:34	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	22 - 128	05/08/19 17:34	
Tetrachloro-m-xylene	46	14 - 119	05/08/19 17:34	



Metals

ALS Environmental—Rochester Laboratory
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METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-01-24 (1-3) Lab Code: R1903954-001

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.792	1.0	9.8		N*
Barium	6010C	2.3	1.1	1.0	213		N
Cadmium	6010C	0.566	0.083	1.0	0.577		
Mercury	7471B	0.039	0.007	1.0	0.768		
Chromium	6010C	1.1	0.396	1.0	9.3		
Lead	6010C	113	9.1	20.0	4390		*
Selenium	6010C	1.1	0.611	1.0	1.1	U	
Silver	6010C	1.1	0.080	1.0	0.339	J	

% Solids: 83.4

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-02-24 (2-4) Lab Code: R1903954-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.774	1.0	4.1		N*
Barium	6010C	2.2	1.1	1.0	76.0		N
Cadmium	6010C	0.553	0.081	1.0	0.354	J	
Mercury	7471B	0.039	0.007	1.0	0.312		
Chromium	6010C	1.1	0.387	1.0	6.5		
Lead	6010C	5.5	0.442	1.0	93.6		*
Selenium	6010C	1.1	0.597	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	0.387	J	

% Solids: 85.3

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc.	Service Request: TB-01-24 (1-3)
Project No.: R1903954	Date Collected: 4/30/2019
Project Name:	Date Received: 5/2/2019
Matrix: SOIL	Units: mg/Kg
	Basis:

Sample Name: TB-05-24 (1-4)	Lab Code: R1903954-006
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Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.3	0.915	1.0	4.6		N*
Barium	6010C	2.6	1.3	1.0	52.7		N
Cadmium	6010C	0.654	0.095	1.0	0.170	J	
Mercury	7471B	0.043	0.007	1.0	0.043		
Chromium	6010C	1.3	0.458	1.0	10.9		
Lead	6010C	6.5	0.523	1.0	77.1		*
Selenium	6010C	1.3	0.706	1.0	1.3	U	
Silver	6010C	1.3	0.093	1.0	0.105	J	

% Solids: 76.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-06-24 (4-5) Lab Code: R1903954-008

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.0	0.724	1.0	9.2		N*
Barium	6010C	2.1	1.0	1.0	69.5		N
Cadmium	6010C	0.517	0.076	1.0	1.0		
Mercury	7471B	0.037	0.006	1.0	0.119		
Chromium	6010C	1.0	0.362	1.0	6.8		
Lead	6010C	5.2	0.414	1.0	294		*
Selenium	6010C	1.0	0.559	1.0	1.0	U	
Silver	6010C	1.0	0.073	1.0	1.0	U	

% Solids: 89.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-07-24 (2-4) Lab Code: R1903954-010

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.0	0.717	1.0	5.5		N*
Barium	6010C	2.1	0.993	1.0	122		N
Cadmium	6010C	0.512	0.075	1.0	1.2		
Mercury	7471B	0.035	0.006	1.0	0.210		
Chromium	6010C	1.0	0.358	1.0	8.1		
Lead	6010C	5.1	0.410	1.0	206		*
Selenium	6010C	1.0	0.553	1.0	1.0	U	
Silver	6010C	1.0	0.073	1.0	1.0	U	

% Solids: 88.8

Comments:



General Chemistry

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	83.4	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	85.8	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003

Service Request: R1903954
Date Collected: 04/30/19 14:34
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	85.3	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	84.0	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	77.7	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	76.5	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	81.4	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	89.5	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	84.4	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	88.8	Percent	-	1	05/07/19 07:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	83.4	Percent	-	1	05/07/19 07:25	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		31-154	63-138	66-138
TB-03-24 (7-8)	R1903954-005	91	84	92
TB-06-24 (7-8)	R1903954-007	89	83	90
TB-07-24 (7-8)	R1903954-009	88	94	121
TB-07-24 (7-8) DL	R1903954-009	91	83	91
TB-08-24 (8-9)	R1903954-011	87	86	91
Method Blank	RQ1904290-04	89	96	89
Method Blank	RQ1904406-04	90	86	90
Lab Control Sample	RQ1904290-03	93	96	94
Lab Control Sample	RQ1904406-03	93	90	92
TB-02-24 (6-7)	R1903954-002	107	95	100
Method Blank	RQ1904436-04	100	93	97
Lab Control Sample	RQ1904436-03	98	97	96

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		31-154	63-138	66-138
TMW-01-24	R1903954-012	95	98	101
TMW-02-24	R1903954-013	96	98	102
TMW-04-24	R1903954-014	95	99	100
TMW-06-24	R1903954-015	95	99	102
Method Blank	RQ1904174-04	96	99	101
Method Blank	RQ1904239-04	98	96	101
Lab Control Sample	RQ1904174-03	99	103	102
Lab Control Sample	RQ1904239-03	98	101	102
TMW-08-24	R1903954-016	95	96	99
Method Blank	RQ1904434-04	93	94	97
Lab Control Sample	RQ1904434-03	94	98	96

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/06/19 13:01
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904174-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUADATA\msvoa12\Data\050619\P26405.D\
Analysis Lot:634409

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904174-03	I:\ACQUADATA\msvoa12\Data\050619\P26403.D\	05/06/19 12:03
TMW-04-24	R1903954-014	I:\ACQUADATA\msvoa12\Data\050619\P26420.D\	05/06/19 18:47

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/07/19 13:06
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904239-04
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUADATA\msvoa12\Data\050719\P26467.D\
Analysis Lot:634556

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904239-03	I:\ACQUADATA\msvoa12\Data\050719\P26465.D\	05/07/19 12:23
TMW-01-24	R1903954-012	I:\ACQUADATA\msvoa12\Data\050719\P26475.D\	05/07/19 16:09
TMW-06-24	R1903954-015	I:\ACQUADATA\msvoa12\Data\050719\P26476.D\	05/07/19 16:31
TMW-02-24	R1903954-013	I:\ACQUADATA\msvoa12\Data\050719\P26477.D\	05/07/19 16:53

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/08/19 11:26

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904434-04
Analysis Method: 8260C

Instrument ID: R-MS-10
File ID: I:\ACQUADATA\msvoa10\data\050819\E0946.D\
Analysis Lot: 634768

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904434-03	I:\ACQUADATA\msvoa10\data\050819\E0944.D\	05/08/19 10:37
TMW-08-24	R1903954-016	I:\ACQUADATA\msvoa10\data\050819\E0954.D\	05/08/19 14:43

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19 16:21
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904406-04
Analysis Method: 8260C
Prep Method: EPA 5035A

Instrument ID:R-MS-14
File ID:I:\ACQUDATA\MSVOA14\Data\050819\F6512.D\
Analysis Lot:634784

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904406-03	I:\ACQUDATA\MSVOA14\Data\050819\F6510.D\	05/08/19 15:28
TB-03-24 (7-8)	R1903954-005	I:\ACQUDATA\MSVOA14\Data\050819\F6524.D\	05/08/19 20:52
TB-06-24 (7-8)	R1903954-007	I:\ACQUDATA\MSVOA14\Data\050819\F6525.D\	05/08/19 21:15
TB-07-24 (7-8)	R1903954-009	I:\ACQUDATA\MSVOA14\Data\050819\F6526.D\	05/08/19 21:37
TB-08-24 (8-9)	R1903954-011	I:\ACQUDATA\MSVOA14\Data\050819\F6528.D\	05/08/19 22:21

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/10/19 12:34

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904436-04
Analysis Method: 8260C

Instrument ID: R-MS-10
File ID: I:\ACQUADATA\msvoa10\data\051019\E0979.D\
Analysis Lot: 635063

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904436-03	I:\ACQUADATA\msvoa10\data\051019\E0977.D\	05/10/19 11:48
TB-02-24 (6-7)	R1903954-002	I:\ACQUADATA\msvoa10\data\051019\E0989.D\	05/10/19 16:23

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904174-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 13:01	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 13:01	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 13:01	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 13:01	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
1,4-Dioxane	13 U	100	13	1	05/06/19 13:01	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 13:01	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 13:01	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 13:01	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 13:01	
Acetone	2.1 U	10	2.1	1	05/06/19 13:01	
Benzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 13:01	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 13:01	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 13:01	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 13:01	
Carbon Disulfide	0.26 J	10	0.25	1	05/06/19 13:01	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 13:01	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 13:01	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 13:01	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 13:01	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 13:01	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 13:01	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 13:01	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 13:01	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 13:01	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 13:01	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 13:01	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 13:01	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904174-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 13:01	
Styrene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 13:01	
Toluene	0.20 U	5.0	0.20	1	05/06/19 13:01	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 13:01	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 13:01	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 13:01	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 13:01	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 13:01	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 13:01	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 13:01	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 13:01	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 13:01	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 13:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/06/19 13:01	
Dibromofluoromethane	99	89 - 119	05/06/19 13:01	
Toluene-d8	101	87 - 121	05/06/19 13:01	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904239-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/07/19 13:06	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/07/19 13:06	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/07/19 13:06	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/07/19 13:06	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
1,4-Dioxane	13 U	100	13	1	05/07/19 13:06	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/07/19 13:06	
2-Hexanone	0.20 U	10	0.20	1	05/07/19 13:06	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/07/19 13:06	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/07/19 13:06	
Acetone	2.1 U	10	2.1	1	05/07/19 13:06	
Benzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
Bromochloromethane	0.24 U	5.0	0.24	1	05/07/19 13:06	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/07/19 13:06	
Bromoform	0.25 U	5.0	0.25	1	05/07/19 13:06	
Bromomethane	0.70 U	5.0	0.70	1	05/07/19 13:06	
Carbon Disulfide	0.25 U	10	0.25	1	05/07/19 13:06	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/07/19 13:06	
Chlorobenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
Chloroethane	0.23 U	5.0	0.23	1	05/07/19 13:06	
Chloroform	0.24 U	5.0	0.24	1	05/07/19 13:06	
Chloromethane	0.28 U	5.0	0.28	1	05/07/19 13:06	
Cyclohexane	0.26 U	10	0.26	1	05/07/19 13:06	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/07/19 13:06	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/07/19 13:06	
Dichloromethane	0.36 U	5.0	0.36	1	05/07/19 13:06	
Ethylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/07/19 13:06	
Methyl Acetate	0.33 U	10	0.33	1	05/07/19 13:06	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/07/19 13:06	
Methylcyclohexane	0.20 U	10	0.20	1	05/07/19 13:06	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904239-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/07/19 13:06	
Styrene	0.20 U	5.0	0.20	1	05/07/19 13:06	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/07/19 13:06	
Toluene	0.20 U	5.0	0.20	1	05/07/19 13:06	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/07/19 13:06	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/07/19 13:06	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/07/19 13:06	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/07/19 13:06	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/07/19 13:06	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/07/19 13:06	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
o-Xylene	0.20 U	5.0	0.20	1	05/07/19 13:06	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/07/19 13:06	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/07/19 13:06	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/07/19 13:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/07/19 13:06	
Dibromofluoromethane	96	89 - 119	05/07/19 13:06	
Toluene-d8	101	87 - 121	05/07/19 13:06	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904290-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,1-Dichloroethene (1,1-DCE)	0.29 U	5.0	0.29	1	05/04/19 17:52	
1,2,3-Trichlorobenzene	0.58 J	5.0	0.52	1	05/04/19 17:52	
1,2,4-Trichlorobenzene	0.54 J	5.0	0.42	1	05/04/19 17:52	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dibromo-3-chloropropane (DBCP)	0.29 U	5.0	0.29	1	05/04/19 17:52	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
1,4-Dichlorobenzene	0.22 U	5.0	0.22	1	05/04/19 17:52	
1,4-Dioxane	20 U	100	20	1	05/04/19 17:52	
2-Butanone (MEK)	2.0 U	5.0	2.0	1	05/04/19 17:52	
2-Hexanone	0.36 U	5.0	0.36	1	05/04/19 17:52	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/04/19 17:52	
4-Methyl-2-pentanone	0.23 U	5.0	0.23	1	05/04/19 17:52	
Acetone	4.7 U	5.0	4.7	1	05/04/19 17:52	
Benzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromochloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromodichloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Bromoform	0.50 U	5.0	0.50	1	05/04/19 17:52	
Bromomethane	2.1 U	5.0	2.1	1	05/04/19 17:52	
Carbon Disulfide	0.29 U	5.0	0.29	1	05/04/19 17:52	
Carbon Tetrachloride	0.26 U	5.0	0.26	1	05/04/19 17:52	
Chlorobenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloroethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloroform	0.20 U	5.0	0.20	1	05/04/19 17:52	
Chloromethane	1.4 U	5.0	1.4	1	05/04/19 17:52	
Cyclohexane	0.26 U	5.0	0.26	1	05/04/19 17:52	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/04/19 17:52	
Dichlorodifluoromethane (CFC 12)	0.33 U	5.0	0.33	1	05/04/19 17:52	
Dichloromethane	2.8 U	5.0	2.8	1	05/04/19 17:52	
Ethylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/04/19 17:52	
Methyl Acetate	0.84 U	5.0	0.84	1	05/04/19 17:52	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/04/19 17:52	
Methylcyclohexane	0.31 U	5.0	0.31	1	05/04/19 17:52	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904290-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.76 J	5.0	0.55	1	05/04/19 17:52	
Styrene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Tetrachloroethene (PCE)	0.23 U	5.0	0.23	1	05/04/19 17:52	
Toluene	0.20 U	5.0	0.20	1	05/04/19 17:52	
Trichloroethene (TCE)	0.22 U	5.0	0.22	1	05/04/19 17:52	
Trichlorofluoromethane (CFC 11)	0.26 U	5.0	0.26	1	05/04/19 17:52	
Vinyl Chloride	0.46 U	5.0	0.46	1	05/04/19 17:52	
cis-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/04/19 17:52	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/04/19 17:52	
m,p-Xylenes	0.37 U	10	0.37	1	05/04/19 17:52	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
o-Xylene	0.20 U	5.0	0.20	1	05/04/19 17:52	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/04/19 17:52	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/04/19 17:52	
trans-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/04/19 17:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	31 - 154	05/04/19 17:52	
Dibromofluoromethane	96	63 - 138	05/04/19 17:52	
Toluene-d8	89	66 - 138	05/04/19 17:52	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904406-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	250	10	50	05/08/19 16:21	
1,1,2,2-Tetrachloroethane	10 U	250	10	50	05/08/19 16:21	
1,1,2-Trichloroethane	10 U	250	10	50	05/08/19 16:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	250	10	50	05/08/19 16:21	
1,1-Dichloroethane (1,1-DCA)	10 U	250	10	50	05/08/19 16:21	
1,1-Dichloroethene (1,1-DCE)	15 U	250	15	50	05/08/19 16:21	
1,2,3-Trichlorobenzene	31 J	250	26	50	05/08/19 16:21	
1,2,4-Trichlorobenzene	29 J	250	21	50	05/08/19 16:21	
1,2,4-Trimethylbenzene	10 U	250	10	50	05/08/19 16:21	
1,2-Dibromo-3-chloropropane (DBCP)	15 U	250	15	50	05/08/19 16:21	
1,2-Dibromoethane	10 U	250	10	50	05/08/19 16:21	
1,2-Dichlorobenzene	10 U	250	10	50	05/08/19 16:21	
1,2-Dichloroethane	10 U	250	10	50	05/08/19 16:21	
1,2-Dichloropropane	10 U	250	10	50	05/08/19 16:21	
1,3,5-Trimethylbenzene	10 U	250	10	50	05/08/19 16:21	
1,3-Dichlorobenzene	10 U	250	10	50	05/08/19 16:21	
1,4-Dichlorobenzene	11 U	250	11	50	05/08/19 16:21	
1,4-Dioxane	1000 U	5000	1000	50	05/08/19 16:21	
2-Butanone (MEK)	100 U	250	100	50	05/08/19 16:21	
2-Hexanone	18 U	250	18	50	05/08/19 16:21	
4-Isopropyltoluene	10 U	250	10	50	05/08/19 16:21	
4-Methyl-2-pentanone	12 U	250	12	50	05/08/19 16:21	
Acetone	240 U	250	240	50	05/08/19 16:21	
Benzene	10 U	250	10	50	05/08/19 16:21	
Bromochloromethane	10 U	250	10	50	05/08/19 16:21	
Bromodichloromethane	10 U	250	10	50	05/08/19 16:21	
Bromoform	25 U	250	25	50	05/08/19 16:21	
Bromomethane	110 U	250	110	50	05/08/19 16:21	
Carbon Disulfide	15 U	250	15	50	05/08/19 16:21	
Carbon Tetrachloride	13 U	250	13	50	05/08/19 16:21	
Chlorobenzene	10 U	250	10	50	05/08/19 16:21	
Chloroethane	10 U	250	10	50	05/08/19 16:21	
Chloroform	10 U	250	10	50	05/08/19 16:21	
Chloromethane	70 U	250	70	50	05/08/19 16:21	
Cyclohexane	13 U	250	13	50	05/08/19 16:21	
Dibromochloromethane	10 U	250	10	50	05/08/19 16:21	
Dichlorodifluoromethane (CFC 12)	17 U	250	17	50	05/08/19 16:21	
Dichloromethane	140 U	250	140	50	05/08/19 16:21	
Ethylbenzene	10 U	250	10	50	05/08/19 16:21	
Isopropylbenzene (Cumene)	10 U	250	10	50	05/08/19 16:21	
Methyl Acetate	56 J	250	42	50	05/08/19 16:21	
Methyl tert-Butyl Ether	10 U	250	10	50	05/08/19 16:21	
Methylcyclohexane	16 U	250	16	50	05/08/19 16:21	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904406-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	36 J	250	28	50	05/08/19 16:21	
Styrene	10 U	250	10	50	05/08/19 16:21	
Tetrachloroethene (PCE)	12 U	250	12	50	05/08/19 16:21	
Toluene	10 U	250	10	50	05/08/19 16:21	
Trichloroethene (TCE)	11 U	250	11	50	05/08/19 16:21	
Trichlorofluoromethane (CFC 11)	13 U	250	13	50	05/08/19 16:21	
Vinyl Chloride	23 U	250	23	50	05/08/19 16:21	
cis-1,2-Dichloroethene	10 U	250	10	50	05/08/19 16:21	
cis-1,3-Dichloropropene	10 U	250	10	50	05/08/19 16:21	
m,p-Xylenes	19 U	500	19	50	05/08/19 16:21	
n-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
n-Propylbenzene	10 U	250	10	50	05/08/19 16:21	
o-Xylene	10 U	250	10	50	05/08/19 16:21	
sec-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
tert-Butylbenzene	10 U	250	10	50	05/08/19 16:21	
trans-1,2-Dichloroethene	10 U	250	10	50	05/08/19 16:21	
trans-1,3-Dichloropropene	10 U	250	10	50	05/08/19 16:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	31 - 154	05/08/19 16:21	
Dibromofluoromethane	86	63 - 138	05/08/19 16:21	
Toluene-d8	90	66 - 138	05/08/19 16:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904434-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/08/19 11:26	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/08/19 11:26	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/08/19 11:26	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/08/19 11:26	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
1,4-Dioxane	13 U	100	13	1	05/08/19 11:26	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/08/19 11:26	
2-Hexanone	0.20 U	10	0.20	1	05/08/19 11:26	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/08/19 11:26	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/08/19 11:26	
Acetone	2.1 U	10	2.1	1	05/08/19 11:26	
Benzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Bromochloromethane	0.24 U	5.0	0.24	1	05/08/19 11:26	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/08/19 11:26	
Bromoform	0.25 U	5.0	0.25	1	05/08/19 11:26	
Bromomethane	0.70 U	5.0	0.70	1	05/08/19 11:26	
Carbon Disulfide	0.25 U	10	0.25	1	05/08/19 11:26	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/08/19 11:26	
Chlorobenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Chloroethane	0.23 U	5.0	0.23	1	05/08/19 11:26	
Chloroform	0.24 U	5.0	0.24	1	05/08/19 11:26	
Chloromethane	0.28 U	5.0	0.28	1	05/08/19 11:26	
Cyclohexane	0.26 U	10	0.26	1	05/08/19 11:26	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/08/19 11:26	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/08/19 11:26	
Dichloromethane	0.36 U	5.0	0.36	1	05/08/19 11:26	
Ethylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/08/19 11:26	
Methyl Acetate	0.33 U	10	0.33	1	05/08/19 11:26	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/08/19 11:26	
Methylcyclohexane	0.20 U	10	0.20	1	05/08/19 11:26	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904434-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/08/19 11:26	
Styrene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/08/19 11:26	
Toluene	0.20 U	5.0	0.20	1	05/08/19 11:26	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/08/19 11:26	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/08/19 11:26	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/08/19 11:26	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/08/19 11:26	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/08/19 11:26	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/08/19 11:26	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
o-Xylene	0.20 U	5.0	0.20	1	05/08/19 11:26	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/08/19 11:26	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/08/19 11:26	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/08/19 11:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	05/08/19 11:26	
Dibromofluoromethane	94	89 - 119	05/08/19 11:26	
Toluene-d8	97	87 - 121	05/08/19 11:26	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904436-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	10 U	250	10	50	05/10/19 12:34	
1,1,2,2-Tetrachloroethane	10 U	250	10	50	05/10/19 12:34	
1,1,2-Trichloroethane	10 U	250	10	50	05/10/19 12:34	
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	250	10	50	05/10/19 12:34	
1,1-Dichloroethane (1,1-DCA)	10 U	250	10	50	05/10/19 12:34	
1,1-Dichloroethene (1,1-DCE)	15 U	250	15	50	05/10/19 12:34	
1,2,3-Trichlorobenzene	26 U	250	26	50	05/10/19 12:34	
1,2,4-Trichlorobenzene	21 U	250	21	50	05/10/19 12:34	
1,2,4-Trimethylbenzene	10 U	250	10	50	05/10/19 12:34	
1,2-Dibromo-3-chloropropane (DBCP)	15 U	250	15	50	05/10/19 12:34	
1,2-Dibromoethane	10 U	250	10	50	05/10/19 12:34	
1,2-Dichlorobenzene	10 U	250	10	50	05/10/19 12:34	
1,2-Dichloroethane	10 U	250	10	50	05/10/19 12:34	
1,2-Dichloropropane	10 U	250	10	50	05/10/19 12:34	
1,3,5-Trimethylbenzene	10 U	250	10	50	05/10/19 12:34	
1,3-Dichlorobenzene	10 U	250	10	50	05/10/19 12:34	
1,4-Dichlorobenzene	11 U	250	11	50	05/10/19 12:34	
1,4-Dioxane	1000 U	5000	1000	50	05/10/19 12:34	
2-Butanone (MEK)	110 J	250	100	50	05/10/19 12:34	
2-Hexanone	18 U	250	18	50	05/10/19 12:34	
4-Isopropyltoluene	10 U	250	10	50	05/10/19 12:34	
4-Methyl-2-pentanone	12 U	250	12	50	05/10/19 12:34	
Acetone	240 U	250	240	50	05/10/19 12:34	
Benzene	10 U	250	10	50	05/10/19 12:34	
Bromochloromethane	10 U	250	10	50	05/10/19 12:34	
Bromodichloromethane	10 U	250	10	50	05/10/19 12:34	
Bromoform	25 U	250	25	50	05/10/19 12:34	
Bromomethane	110 U	250	110	50	05/10/19 12:34	
Carbon Disulfide	15 U	250	15	50	05/10/19 12:34	
Carbon Tetrachloride	13 U	250	13	50	05/10/19 12:34	
Chlorobenzene	10 U	250	10	50	05/10/19 12:34	
Chloroethane	10 U	250	10	50	05/10/19 12:34	
Chloroform	10 U	250	10	50	05/10/19 12:34	
Chloromethane	70 U	250	70	50	05/10/19 12:34	
Cyclohexane	13 U	250	13	50	05/10/19 12:34	
Dibromochloromethane	10 U	250	10	50	05/10/19 12:34	
Dichlorodifluoromethane (CFC 12)	17 U	250	17	50	05/10/19 12:34	
Dichloromethane	140 U	250	140	50	05/10/19 12:34	
Ethylbenzene	10 U	250	10	50	05/10/19 12:34	
Isopropylbenzene (Cumene)	10 U	250	10	50	05/10/19 12:34	
Methyl Acetate	42 U	250	42	50	05/10/19 12:34	
Methyl tert-Butyl Ether	10 U	250	10	50	05/10/19 12:34	
Methylcyclohexane	16 U	250	16	50	05/10/19 12:34	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904436-04

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	28 U	250	28	50	05/10/19 12:34	
Styrene	10 U	250	10	50	05/10/19 12:34	
Tetrachloroethene (PCE)	12 U	250	12	50	05/10/19 12:34	
Toluene	10 U	250	10	50	05/10/19 12:34	
Trichloroethene (TCE)	11 U	250	11	50	05/10/19 12:34	
Trichlorofluoromethane (CFC 11)	13 U	250	13	50	05/10/19 12:34	
Vinyl Chloride	23 U	250	23	50	05/10/19 12:34	
cis-1,2-Dichloroethene	10 U	250	10	50	05/10/19 12:34	
cis-1,3-Dichloropropene	10 U	250	10	50	05/10/19 12:34	
m,p-Xylenes	19 U	500	19	50	05/10/19 12:34	
n-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
n-Propylbenzene	10 U	250	10	50	05/10/19 12:34	
o-Xylene	10 U	250	10	50	05/10/19 12:34	
sec-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
tert-Butylbenzene	10 U	250	10	50	05/10/19 12:34	
trans-1,2-Dichloroethene	10 U	250	10	50	05/10/19 12:34	
trans-1,3-Dichloropropene	10 U	250	10	50	05/10/19 12:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	31 - 154	05/10/19 12:34	
Dibromofluoromethane	93	63 - 138	05/10/19 12:34	
Toluene-d8	97	66 - 138	05/10/19 12:34	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/04/19 17:01
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904290-03
Analysis Method: 8260C
Prep Method: EPA 5035A

Instrument ID: R-MS-14
File ID: I:\ACQUADATA\MSVOA14\Data\050419\F6459.D\
Analysis Lot: 634334

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904290-04	I:\ACQUADATA\MSVOA14\Data\050419\F6461.D\	05/04/19 17:52
TB-07-24 (7-8)	R1903954-009	I:\ACQUADATA\MSVOA14\Data\050419\F6475.D\	05/04/19 23:17

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/06/19 12:03
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904174-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUDATA\msvoa12\Data\050619\P26403.D\
Analysis Lot:634409

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904174-04	I:\ACQUDATA\msvoa12\Data\050619\P26405.D\	05/06/19 13:01
TMW-04-24	R1903954-014	I:\ACQUDATA\msvoa12\Data\050619\P26420.D\	05/06/19 18:47

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/07/19 12:23
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904239-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUADATA\msvoa12\Data\050719\P26465.D\
Analysis Lot:634556

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904239-04	I:\ACQUADATA\msvoa12\Data\050719\P26467.D\	05/07/19 13:06
TMW-01-24	R1903954-012	I:\ACQUADATA\msvoa12\Data\050719\P26475.D\	05/07/19 16:09
TMW-06-24	R1903954-015	I:\ACQUADATA\msvoa12\Data\050719\P26476.D\	05/07/19 16:31
TMW-02-24	R1903954-013	I:\ACQUADATA\msvoa12\Data\050719\P26477.D\	05/07/19 16:53

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/08/19 10:37

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904434-03
Analysis Method: 8260C

Instrument ID: R-MS-10
File ID: I:\ACQUADATA\msvoa10\data\050819\E0944.D\
Analysis Lot: 634768

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904434-04	I:\ACQUADATA\msvoa10\data\050819\E0946.D\	05/08/19 11:26
TMW-08-24	R1903954-016	I:\ACQUADATA\msvoa10\data\050819\E0954.D\	05/08/19 14:43

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/10/19 11:48

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904436-03
Analysis Method: 8260C

Instrument ID: R-MS-10
File ID: I:\ACQUADATA\msvoa10\data\051019\E0977.D\
Analysis Lot: 635063

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904436-04	I:\ACQUADATA\msvoa10\data\051019\E0979.D\	05/10/19 12:34
TB-02-24 (6-7)	R1903954-002	I:\ACQUADATA\msvoa10\data\051019\E0989.D\	05/10/19 16:23

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/06/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904174-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.6	20.0	83	75-125
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	94	78-126
1,1,2-Trichloroethane	8260C	17.7	20.0	89	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	18.7	20.0	93	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	18.5	20.0	92	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	16.9	20.0	85	71-118
1,2,3-Trichlorobenzene	8260C	17.9	20.0	90	67-136
1,2,4-Trichlorobenzene	8260C	18.5	20.0	93	75-132
1,2,4-Trimethylbenzene	8260C	17.5	20.0	88	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.1	20.0	76	55-136
1,2-Dibromoethane	8260C	19.7	20.0	98	82-127
1,2-Dichlorobenzene	8260C	17.7	20.0	88	80-119
1,2-Dichloroethane	8260C	19.1	20.0	96	71-127
1,2-Dichloropropane	8260C	18.1	20.0	90	80-119
1,3,5-Trimethylbenzene	8260C	17.2	20.0	86	81-128
1,3-Dichlorobenzene	8260C	18.0	20.0	90	83-121
1,4-Dichlorobenzene	8260C	17.7	20.0	88	79-119
1,4-Dioxane	8260C	350	400	87	44-154
2-Butanone (MEK)	8260C	17.5	20.0	87	61-137
2-Hexanone	8260C	16.4	20.0	82	63-124
4-Isopropyltoluene	8260C	16.8	20.0	84	78-133
4-Methyl-2-pentanone	8260C	17.2	20.0	86	66-124
Acetone	8260C	15.1	20.0	75	40-161
Benzene	8260C	17.5	20.0	87	79-119
Bromochloromethane	8260C	18.6	20.0	93	81-126
Bromodichloromethane	8260C	17.4	20.0	87	81-123
Bromoform	8260C	17.3	20.0	87	65-146
Bromomethane	8260C	17.6	20.0	88	42-166
Carbon Disulfide	8260C	22.1	20.0	110	66-128
Carbon Tetrachloride	8260C	17.2	20.0	86	70-127
Chlorobenzene	8260C	17.8	20.0	89	80-121
Chloroethane	8260C	15.9	20.0	79	62-131
Chloroform	8260C	18.0	20.0	90	79-120

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/06/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904174-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.0	20.0	90	65-135
Cyclohexane	8260C	20.8	20.0	104	69-120
Dibromochloromethane	8260C	17.1	20.0	85	72-128
Dichlorodifluoromethane (CFC 12)	8260C	18.9	20.0	95	59-155
Dichloromethane	8260C	19.0	20.0	95	73-122
Ethylbenzene	8260C	17.0	20.0	85	76-120
Isopropylbenzene (Cumene)	8260C	16.8	20.0	84	77-128
Methyl Acetate	8260C	17.4	20.0	87	40-112
Methyl tert-Butyl Ether	8260C	20.3	20.0	101	75-118
Methylcyclohexane	8260C	19.4	20.0	97	51-129
Naphthalene	8260C	19.4	20.0	97	59-140
Styrene	8260C	18.2	20.0	91	80-124
Tetrachloroethene (PCE)	8260C	16.8	20.0	84	72-125
Toluene	8260C	16.9	20.0	85	79-119
Trichloroethene (TCE)	8260C	17.3	20.0	87	74-122
Trichlorofluoromethane (CFC 11)	8260C	18.4	20.0	92	71-136
Vinyl Chloride	8260C	17.9	20.0	90	74-159
cis-1,2-Dichloroethene	8260C	18.3	20.0	91	80-121
cis-1,3-Dichloropropene	8260C	17.8	20.0	89	77-122
m,p-Xylenes	8260C	34.1	40.0	85	80-126
n-Butylbenzene	8260C	17.2	20.0	86	78-133
n-Propylbenzene	8260C	17.2	20.0	86	78-131
o-Xylene	8260C	16.9	20.0	84	79-123
sec-Butylbenzene	8260C	16.6	20.0	83	75-129
tert-Butylbenzene	8260C	16.8	20.0	84	76-126
trans-1,2-Dichloroethene	8260C	18.0	20.0	90	73-118
trans-1,3-Dichloropropene	8260C	18.9	20.0	94	71-133

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/07/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904239-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	17.9	20.0	90	75-125
1,1,2,2-Tetrachloroethane	8260C	16.2	20.0	81	78-126
1,1,2-Trichloroethane	8260C	17.5	20.0	87	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.9	20.0	100	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	18.5	20.0	93	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.3	20.0	92	71-118
1,2,3-Trichlorobenzene	8260C	18.1	20.0	91	67-136
1,2,4-Trichlorobenzene	8260C	19.0	20.0	95	75-132
1,2,4-Trimethylbenzene	8260C	18.7	20.0	94	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	13.2	20.0	66	55-136
1,2-Dibromoethane	8260C	18.9	20.0	95	82-127
1,2-Dichlorobenzene	8260C	18.4	20.0	92	80-119
1,2-Dichloroethane	8260C	18.9	20.0	94	71-127
1,2-Dichloropropane	8260C	17.7	20.0	88	80-119
1,3,5-Trimethylbenzene	8260C	18.5	20.0	92	81-128
1,3-Dichlorobenzene	8260C	18.8	20.0	94	83-121
1,4-Dichlorobenzene	8260C	18.9	20.0	94	79-119
1,4-Dioxane	8260C	291	400	73	44-154
2-Butanone (MEK)	8260C	15.8	20.0	79	61-137
2-Hexanone	8260C	15.0	20.0	75	63-124
4-Isopropyltoluene	8260C	18.3	20.0	92	78-133
4-Methyl-2-pentanone	8260C	15.6	20.0	78	66-124
Acetone	8260C	13.1	20.0	66	40-161
Benzene	8260C	18.2	20.0	91	79-119
Bromochloromethane	8260C	19.0	20.0	95	81-126
Bromodichloromethane	8260C	17.2	20.0	86	81-123
Bromoform	8260C	14.8	20.0	74	65-146
Bromomethane	8260C	17.1	20.0	85	42-166
Carbon Disulfide	8260C	18.7	20.0	93	66-128
Carbon Tetrachloride	8260C	17.8	20.0	89	70-127
Chlorobenzene	8260C	18.7	20.0	94	80-121
Chloroethane	8260C	14.9	20.0	74	62-131
Chloroform	8260C	18.9	20.0	94	79-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/07/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904239-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.0	20.0	90	65-135
Cyclohexane	8260C	17.6	20.0	88	69-120
Dibromochloromethane	8260C	16.4	20.0	82	72-128
Dichlorodifluoromethane (CFC 12)	8260C	19.2	20.0	96	59-155
Dichloromethane	8260C	18.6	20.0	93	73-122
Ethylbenzene	8260C	18.4	20.0	92	76-120
Isopropylbenzene (Cumene)	8260C	18.5	20.0	93	77-128
Methyl Acetate	8260C	15.1	20.0	76	40-112
Methyl tert-Butyl Ether	8260C	19.0	20.0	95	75-118
Methylcyclohexane	8260C	17.5	20.0	87	51-129
Naphthalene	8260C	17.6	20.0	88	59-140
Styrene	8260C	18.6	20.0	93	80-124
Tetrachloroethene (PCE)	8260C	18.4	20.0	92	72-125
Toluene	8260C	18.4	20.0	92	79-119
Trichloroethene (TCE)	8260C	19.6	20.0	98	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.6	20.0	103	71-136
Vinyl Chloride	8260C	17.8	20.0	89	74-159
cis-1,2-Dichloroethene	8260C	19.2	20.0	96	80-121
cis-1,3-Dichloropropene	8260C	17.6	20.0	88	77-122
m,p-Xylenes	8260C	37.0	40.0	93	80-126
n-Butylbenzene	8260C	19.1	20.0	96	78-133
n-Propylbenzene	8260C	18.9	20.0	94	78-131
o-Xylene	8260C	18.6	20.0	93	79-123
sec-Butylbenzene	8260C	18.1	20.0	90	75-129
tert-Butylbenzene	8260C	18.7	20.0	93	76-126
trans-1,2-Dichloroethene	8260C	18.4	20.0	92	73-118
trans-1,3-Dichloropropene	8260C	18.5	20.0	93	71-133

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/04/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904290-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	16.9	20.0	84	68-123
1,1,2,2-Tetrachloroethane	8260C	18.7	20.0	93	78-121
1,1,2-Trichloroethane	8260C	17.6	20.0	88	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	15.7	20.0	79	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	16.8	20.0	84	65-115
1,2,3-Trichlorobenzene	8260C	18.8	20.0	94	60-128
1,2,4-Trichlorobenzene	8260C	19.1	20.0	96	62-130
1,2,4-Trimethylbenzene	8260C	18.1	20.0	90	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.5	20.0	93	54-135
1,2-Dibromoethane	8260C	18.1	20.0	91	77-117
1,2-Dichlorobenzene	8260C	18.1	20.0	90	75-116
1,2-Dichloroethane	8260C	18.6	20.0	93	74-116
1,2-Dichloropropane	8260C	19.6	20.0	98	79-112
1,3,5-Trimethylbenzene	8260C	17.9	20.0	89	66-122
1,3-Dichlorobenzene	8260C	18.1	20.0	90	72-118
1,4-Dichlorobenzene	8260C	18.2	20.0	91	72-117
1,4-Dioxane	8260C	386	400	97	59-147
2-Butanone (MEK)	8260C	22.6	20.0	113	67-129
2-Hexanone	8260C	21.8	20.0	109	68-118
4-Isopropyltoluene	8260C	16.7	20.0	83	58-128
4-Methyl-2-pentanone	8260C	20.5	20.0	103	64-123
Acetone	8260C	27.3	20.0	137	32-154
Benzene	8260C	18.1	20.0	91	77-114
Bromochloromethane	8260C	18.8	20.0	94	78-117
Bromodichloromethane	8260C	18.0	20.0	90	72-118
Bromoform	8260C	16.9	20.0	84	55-134
Bromomethane	8260C	14.6	20.0	73	10-150
Carbon Disulfide	8260C	19.5	20.0	97	44-139
Carbon Tetrachloride	8260C	15.5	20.0	77	51-123
Chlorobenzene	8260C	18.1	20.0	91	79-115
Chloroethane	8260C	14.3	20.0	71	10-140
Chloroform	8260C	18.7	20.0	94	76-115

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/04/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904290-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.8	20.0	94	10-131
Cyclohexane	8260C	19.9	20.0	100	67-122
Dibromochloromethane	8260C	17.7	20.0	88	68-121
Dichlorodifluoromethane (CFC 12)	8260C	16.2	20.0	81	51-144
Dichloromethane	8260C	20.6	20.0	103	72-118
Ethylbenzene	8260C	17.4	20.0	87	64-118
Isopropylbenzene (Cumene)	8260C	16.7	20.0	83	60-123
Methyl Acetate	8260C	21.1	20.0	105	31-122
Methyl tert-Butyl Ether	8260C	19.8	20.0	99	76-118
Methylcyclohexane	8260C	20.3	20.0	101	70-124
Naphthalene	8260C	19.5	20.0	97	68-127
Styrene	8260C	18.6	20.0	93	74-117
Tetrachloroethene (PCE)	8260C	16.4	20.0	82	58-124
Toluene	8260C	17.6	20.0	88	72-116
Trichloroethene (TCE)	8260C	17.3	20.0	87	69-118
Trichlorofluoromethane (CFC 11)	8260C	14.7	20.0	74	52-127
Vinyl Chloride	8260C	16.4	20.0	82	59-153
cis-1,2-Dichloroethene	8260C	18.5	20.0	92	79-113
cis-1,3-Dichloropropene	8260C	18.5	20.0	93	66-117
m,p-Xylenes	8260C	35.3	40.0	88	68-118
n-Butylbenzene	8260C	16.7	20.0	84	54-131
n-Propylbenzene	8260C	17.4	20.0	87	59-126
o-Xylene	8260C	17.7	20.0	88	71-116
sec-Butylbenzene	8260C	16.5	20.0	82	54-128
tert-Butylbenzene	8260C	16.6	20.0	83	58-123
trans-1,2-Dichloroethene	8260C	18.2	20.0	91	73-114
trans-1,3-Dichloropropene	8260C	18.6	20.0	93	57-135

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904406-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	17.6	20.0	88	68-123
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	91	78-121
1,1,2-Trichloroethane	8260C	17.5	20.0	88	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	17.3	20.0	87	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	17.2	20.0	86	65-115
1,2,3-Trichlorobenzene	8260C	16.4	20.0	82	60-128
1,2,4-Trichlorobenzene	8260C	18.0	20.0	90	62-130
1,2,4-Trimethylbenzene	8260C	18.6	20.0	93	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	14.8	20.0	74	54-135
1,2-Dibromoethane	8260C	17.3	20.0	87	77-117
1,2-Dichlorobenzene	8260C	18.3	20.0	91	75-116
1,2-Dichloroethane	8260C	19.9	20.0	100	74-116
1,2-Dichloropropane	8260C	19.7	20.0	99	79-112
1,3,5-Trimethylbenzene	8260C	18.0	20.0	90	66-122
1,3-Dichlorobenzene	8260C	18.1	20.0	90	72-118
1,4-Dichlorobenzene	8260C	17.8	20.0	89	72-117
1,4-Dioxane	8260C	346	400	86	59-147
2-Butanone (MEK)	8260C	20.1	20.0	100	67-129
2-Hexanone	8260C	18.8	20.0	94	68-118
4-Isopropyltoluene	8260C	17.6	20.0	88	58-128
4-Methyl-2-pentanone	8260C	18.2	20.0	91	64-123
Acetone	8260C	23.2	20.0	116	32-154
Benzene	8260C	18.4	20.0	92	77-114
Bromochloromethane	8260C	18.0	20.0	90	78-117
Bromodichloromethane	8260C	17.7	20.0	88	72-118
Bromoform	8260C	15.7	20.0	79	55-134
Bromomethane	8260C	11.7	20.0	58	10-150
Carbon Disulfide	8260C	21.3	20.0	107	44-139
Carbon Tetrachloride	8260C	14.9	20.0	75	51-123
Chlorobenzene	8260C	17.5	20.0	87	79-115
Chloroethane	8260C	6.93	20.0	35	10-140
Chloroform	8260C	19.4	20.0	97	76-115

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904406-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	20.3	20.0	102	10-131
Cyclohexane	8260C	17.7	20.0	89	67-122
Dibromochloromethane	8260C	15.9	20.0	80	68-121
Dichlorodifluoromethane (CFC 12)	8260C	14.5	20.0	73	51-144
Dichloromethane	8260C	19.4	20.0	97	72-118
Ethylbenzene	8260C	17.2	20.0	86	64-118
Isopropylbenzene (Cumene)	8260C	17.1	20.0	86	60-123
Methyl Acetate	8260C	23.1	20.0	115	31-122
Methyl tert-Butyl Ether	8260C	20.8	20.0	104	76-118
Methylcyclohexane	8260C	18.8	20.0	94	70-124
Naphthalene	8260C	14.6	20.0	73	68-127
Styrene	8260C	18.2	20.0	91	74-117
Tetrachloroethene (PCE)	8260C	14.8	20.0	74	58-124
Toluene	8260C	17.3	20.0	87	72-116
Trichloroethene (TCE)	8260C	16.5	20.0	82	69-118
Trichlorofluoromethane (CFC 11)	8260C	14.3	20.0	71	52-127
Vinyl Chloride	8260C	18.4	20.0	92	59-153
cis-1,2-Dichloroethene	8260C	19.5	20.0	98	79-113
cis-1,3-Dichloropropene	8260C	19.1	20.0	95	66-117
m,p-Xylenes	8260C	34.6	40.0	86	68-118
n-Butylbenzene	8260C	18.8	20.0	94	54-131
n-Propylbenzene	8260C	17.7	20.0	88	59-126
o-Xylene	8260C	17.9	20.0	90	71-116
sec-Butylbenzene	8260C	17.5	20.0	88	54-128
tert-Butylbenzene	8260C	17.1	20.0	85	58-123
trans-1,2-Dichloroethene	8260C	18.4	20.0	92	73-114
trans-1,3-Dichloropropene	8260C	19.5	20.0	97	57-135

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904434-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.2	20.0	91	75-125
1,1,2,2-Tetrachloroethane	8260C	17.5	20.0	88	78-126
1,1,2-Trichloroethane	8260C	17.3	20.0	86	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	21.0	20.0	105	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	19.4	20.0	97	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	18.7	20.0	93	71-118
1,2,3-Trichlorobenzene	8260C	18.1	20.0	91	67-136
1,2,4-Trichlorobenzene	8260C	18.6	20.0	93	75-132
1,2,4-Trimethylbenzene	8260C	18.6	20.0	93	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	16.7	20.0	83	55-136
1,2-Dibromoethane	8260C	17.7	20.0	89	82-127
1,2-Dichlorobenzene	8260C	17.7	20.0	89	80-119
1,2-Dichloroethane	8260C	17.5	20.0	88	71-127
1,2-Dichloropropane	8260C	19.4	20.0	97	80-119
1,3,5-Trimethylbenzene	8260C	18.6	20.0	93	81-128
1,3-Dichlorobenzene	8260C	18.0	20.0	90	83-121
1,4-Dichlorobenzene	8260C	17.9	20.0	90	79-119
1,4-Dioxane	8260C	365	400	91	44-154
2-Butanone (MEK)	8260C	19.7	20.0	99	61-137
2-Hexanone	8260C	18.3	20.0	91	63-124
4-Isopropyltoluene	8260C	18.4	20.0	92	78-133
4-Methyl-2-pentanone	8260C	20.2	20.0	101	66-124
Acetone	8260C	17.4	20.0	87	40-161
Benzene	8260C	19.3	20.0	96	79-119
Bromochloromethane	8260C	18.1	20.0	91	81-126
Bromodichloromethane	8260C	18.1	20.0	91	81-123
Bromoform	8260C	17.4	20.0	87	65-146
Bromomethane	8260C	16.7	20.0	84	42-166
Carbon Disulfide	8260C	20.2	20.0	101	66-128
Carbon Tetrachloride	8260C	17.9	20.0	89	70-127
Chlorobenzene	8260C	17.9	20.0	89	80-121
Chloroethane	8260C	16.1	20.0	81	62-131
Chloroform	8260C	18.8	20.0	94	79-120

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Analyzed: 05/08/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904434-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.8	20.0	94	65-135
Cyclohexane	8260C	18.6	20.0	93	69-120
Dibromochloromethane	8260C	16.9	20.0	85	72-128
Dichlorodifluoromethane (CFC 12)	8260C	20.5	20.0	102	59-155
Dichloromethane	8260C	18.3	20.0	92	73-122
Ethylbenzene	8260C	19.0	20.0	95	76-120
Isopropylbenzene (Cumene)	8260C	18.2	20.0	91	77-128
Methyl Acetate	8260C	19.1	20.0	96	40-112
Methyl tert-Butyl Ether	8260C	18.9	20.0	94	75-118
Methylcyclohexane	8260C	19.3	20.0	96	51-129
Naphthalene	8260C	18.5	20.0	93	59-140
Styrene	8260C	18.6	20.0	93	80-124
Tetrachloroethene (PCE)	8260C	17.6	20.0	88	72-125
Toluene	8260C	18.5	20.0	92	79-119
Trichloroethene (TCE)	8260C	18.6	20.0	93	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.4	20.0	97	71-136
Vinyl Chloride	8260C	19.6	20.0	98	74-159
cis-1,2-Dichloroethene	8260C	18.9	20.0	95	80-121
cis-1,3-Dichloropropene	8260C	19.0	20.0	95	77-122
m,p-Xylenes	8260C	36.3	40.0	91	80-126
n-Butylbenzene	8260C	19.1	20.0	96	78-133
n-Propylbenzene	8260C	18.7	20.0	94	78-131
o-Xylene	8260C	18.2	20.0	91	79-123
sec-Butylbenzene	8260C	18.5	20.0	93	75-129
tert-Butylbenzene	8260C	18.4	20.0	92	76-126
trans-1,2-Dichloroethene	8260C	19.3	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	18.1	20.0	91	71-133

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/10/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904436-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.2	20.0	91	68-123
1,1,2,2-Tetrachloroethane	8260C	18.5	20.0	93	78-121
1,1,2-Trichloroethane	8260C	18.6	20.0	93	84-117
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	20.3	20.0	101	54-121
1,1-Dichloroethane (1,1-DCA)	8260C	19.8	20.0	99	76-123
1,1-Dichloroethene (1,1-DCE)	8260C	19.0	20.0	95	65-115
1,2,3-Trichlorobenzene	8260C	19.0	20.0	95	60-128
1,2,4-Trichlorobenzene	8260C	18.8	20.0	94	62-130
1,2,4-Trimethylbenzene	8260C	18.4	20.0	92	67-121
1,2-Dibromo-3-chloropropane (DBCP)	8260C	15.7	20.0	78	54-135
1,2-Dibromoethane	8260C	18.1	20.0	91	77-117
1,2-Dichlorobenzene	8260C	18.4	20.0	92	75-116
1,2-Dichloroethane	8260C	18.4	20.0	92	74-116
1,2-Dichloropropane	8260C	19.4	20.0	97	79-112
1,3,5-Trimethylbenzene	8260C	17.8	20.0	89	66-122
1,3-Dichlorobenzene	8260C	17.9	20.0	89	72-118
1,4-Dichlorobenzene	8260C	17.8	20.0	89	72-117
1,4-Dioxane	8260C	468	400	117	59-147
2-Butanone (MEK)	8260C	25.7	20.0	129	67-129
2-Hexanone	8260C	21.5	20.0	107	68-118
4-Isopropyltoluene	8260C	18.3	20.0	91	58-128
4-Methyl-2-pentanone	8260C	22.8	20.0	114	64-123
Acetone	8260C	23.9	20.0	119	32-154
Benzene	8260C	19.5	20.0	97	77-114
Bromochloromethane	8260C	19.1	20.0	95	78-117
Bromodichloromethane	8260C	17.5	20.0	88	72-118
Bromoform	8260C	16.5	20.0	82	55-134
Bromomethane	8260C	16.9	20.0	85	10-150
Carbon Disulfide	8260C	19.2	20.0	96	44-139
Carbon Tetrachloride	8260C	16.3	20.0	81	51-123
Chlorobenzene	8260C	18.3	20.0	91	79-115
Chloroethane	8260C	12.1	20.0	61	10-140
Chloroform	8260C	18.9	20.0	95	76-115

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/10/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Lab Control Sample
RQ1904436-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	18.7	20.0	93	10-131
Cyclohexane	8260C	18.3	20.0	91	67-122
Dibromochloromethane	8260C	15.9	20.0	79	68-121
Dichlorodifluoromethane (CFC 12)	8260C	19.1	20.0	95	51-144
Dichloromethane	8260C	18.7	20.0	93	72-118
Ethylbenzene	8260C	18.9	20.0	95	64-118
Isopropylbenzene (Cumene)	8260C	18.5	20.0	92	60-123
Methyl Acetate	8260C	22.3	20.0	112	31-122
Methyl tert-Butyl Ether	8260C	19.7	20.0	99	76-118
Methylcyclohexane	8260C	19.8	20.0	99	70-124
Naphthalene	8260C	19.0	20.0	95	68-127
Styrene	8260C	19.1	20.0	95	74-117
Tetrachloroethene (PCE)	8260C	18.0	20.0	90	58-124
Toluene	8260C	18.8	20.0	94	72-116
Trichloroethene (TCE)	8260C	18.0	20.0	90	69-118
Trichlorofluoromethane (CFC 11)	8260C	18.8	20.0	94	52-127
Vinyl Chloride	8260C	18.0	20.0	90	59-153
cis-1,2-Dichloroethene	8260C	19.9	20.0	99	79-113
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	66-117
m,p-Xylenes	8260C	36.4	40.0	91	68-118
n-Butylbenzene	8260C	18.7	20.0	94	54-131
n-Propylbenzene	8260C	18.0	20.0	90	59-126
o-Xylene	8260C	18.5	20.0	92	71-116
sec-Butylbenzene	8260C	18.1	20.0	91	54-128
tert-Butylbenzene	8260C	17.7	20.0	89	58-123
trans-1,2-Dichloroethene	8260C	19.4	20.0	97	73-114
trans-1,3-Dichloropropene	8260C	18.1	20.0	90	57-135

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/04/19 15:47

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\MSVOA14\Data\050419\F6457.D\
Instrument ID: R-MS-14

Analytical Method: 8260C
Analysis Lot: 634334

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.17	31773	Pass
75	95	30	60	49.01	85693	Pass
95	95	100	100	100.00	174841	Pass
96	95	5	9	6.29	10992	Pass
173	174	0	2	0.00	0	Pass
174	95	50	120	86.42	151093	Pass
175	174	5	9	7.21	10887	Pass
176	174	95	101	97.56	147408	Pass
177	176	5	9	6.20	9135	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904290-02	I:\ACQUADATA\MSVOA14\Data\050419\F6458.D\	05/04/19 16:31	
Lab Control Sample	RQ1904290-03	I:\ACQUADATA\MSVOA14\Data\050419\F6459.D\	05/04/19 17:01	
Method Blank	RQ1904290-04	I:\ACQUADATA\MSVOA14\Data\050419\F6461.D\	05/04/19 17:52	
TB-07-24 (7-8)	R1903954-009	I:\ACQUADATA\MSVOA14\Data\050419\F6475.D\	05/04/19 23:17	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/06/19 10:18

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\050619\P26400.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 634409

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.08	26396	Pass
75	95	30	60	47.66	78224	Pass
95	95	100	100	100.00	164139	Pass
96	95	5	9	6.48	10630	Pass
173	174	0	2	0.50	725	Pass
174	95	50	120	88.36	145035	Pass
175	174	5	9	7.56	10958	Pass
176	174	95	101	97.80	141849	Pass
177	176	5	9	6.25	8870	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904174-02	I:\ACQUADATA\msvoa12\Data\050619\P26402.D\	05/06/19 11:32	
Lab Control Sample	RQ1904174-03	I:\ACQUADATA\msvoa12\Data\050619\P26403.D\	05/06/19 12:03	
Method Blank	RQ1904174-04	I:\ACQUADATA\msvoa12\Data\050619\P26405.D\	05/06/19 13:01	
TMW-04-24	R1903954-014	I:\ACQUADATA\msvoa12\Data\050619\P26420.D\	05/06/19 18:47	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 10:42

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\050719\P26462.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 634556

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	15.94	29752	Pass
75	95	30	60	48.42	90392	Pass
95	95	100	100	100.00	186688	Pass
96	95	5	9	5.92	11052	Pass
173	174	0	2	0.00	0	Pass
174	95	50	120	92.43	172564	Pass
175	174	5	9	7.72	13314	Pass
176	174	95	101	100.84	174016	Pass
177	176	5	9	6.33	11016	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904239-02	I:\ACQUADATA\msvoa12\Data\050719\P26463.D\	05/07/19 11:12	
Lab Control Sample	RQ1904239-03	I:\ACQUADATA\msvoa12\Data\050719\P26465.D\	05/07/19 12:23	
Method Blank	RQ1904239-04	I:\ACQUADATA\msvoa12\Data\050719\P26467.D\	05/07/19 13:06	
TMW-01-24	R1903954-012	I:\ACQUADATA\msvoa12\Data\050719\P26475.D\	05/07/19 16:09	
TMW-06-24	R1903954-015	I:\ACQUADATA\msvoa12\Data\050719\P26476.D\	05/07/19 16:31	
TMW-02-24	R1903954-013	I:\ACQUADATA\msvoa12\Data\050719\P26477.D\	05/07/19 16:53	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 09:37

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\050819\E0942.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 634768

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.04	30517	Pass
75	95	30	60	51.49	71293	Pass
95	95	100	100	100.00	138464	Pass
96	95	5	9	6.95	9617	Pass
173	174	0	2	1.63	1782	Pass
174	95	50	120	78.96	109336	Pass
175	174	5	9	7.56	8271	Pass
176	174	95	101	98.12	107281	Pass
177	176	5	9	6.67	7158	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904434-02	I:\ACQUADATA\msvoa10\data\050819\E0943.D\	05/08/19 10:05	
Lab Control Sample	RQ1904434-03	I:\ACQUADATA\msvoa10\data\050819\E0944.D\	05/08/19 10:37	
Method Blank	RQ1904434-04	I:\ACQUADATA\msvoa10\data\050819\E0946.D\	05/08/19 11:26	
TMW-08-24	R1903954-016	I:\ACQUADATA\msvoa10\data\050819\E0954.D\	05/08/19 14:43	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 14:21

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\MSVOA14\Data\050819\F6508.D\
Instrument ID: R-MS-14

Analytical Method: 8260C
Analysis Lot: 634784

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.55	21993	Pass
75	95	30	60	48.55	57568	Pass
95	95	100	100	100.00	118565	Pass
96	95	5	9	6.48	7688	Pass
173	174	0	2	0.69	700	Pass
174	95	50	120	85.04	100827	Pass
175	174	5	9	7.46	7519	Pass
176	174	95	101	96.48	97280	Pass
177	176	5	9	6.17	5998	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904406-02	I:\ACQUADATA\MSVOA14\Data\050819\F6509.D\	05/08/19 14:57	
Lab Control Sample	RQ1904406-03	I:\ACQUADATA\MSVOA14\Data\050819\F6510.D\	05/08/19 15:28	
Method Blank	RQ1904406-04	I:\ACQUADATA\MSVOA14\Data\050819\F6512.D\	05/08/19 16:21	
TB-03-24 (7-8)	R1903954-005	I:\ACQUADATA\MSVOA14\Data\050819\F6524.D\	05/08/19 20:52	
TB-06-24 (7-8)	R1903954-007	I:\ACQUADATA\MSVOA14\Data\050819\F6525.D\	05/08/19 21:15	
TB-07-24 (7-8)	R1903954-009	I:\ACQUADATA\MSVOA14\Data\050819\F6526.D\	05/08/19 21:37	
TB-08-24 (8-9)	R1903954-011	I:\ACQUADATA\MSVOA14\Data\050819\F6528.D\	05/08/19 22:21	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/10/19 09:15

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\051019\E0972.D\
Instrument ID: R-MS-10

Analytical Method: 8260C
Analysis Lot: 635063

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.66	30413	Pass
75	95	30	60	51.52	69149	Pass
95	95	100	100	100.00	134213	Pass
96	95	5	9	6.20	8321	Pass
173	174	0	2	1.35	1365	Pass
174	95	50	120	75.43	101237	Pass
175	174	5	9	7.93	8029	Pass
176	174	95	101	100.05	101283	Pass
177	176	5	9	6.25	6329	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904436-02	I:\ACQUADATA\msvoa10\data\051019\E0973.D\	05/10/19 09:50	
Lab Control Sample	RQ1904436-03	I:\ACQUADATA\msvoa10\data\051019\E0977.D\	05/10/19 11:48	
Method Blank	RQ1904436-04	I:\ACQUADATA\msvoa10\data\051019\E0979.D\	05/10/19 12:34	
TB-02-24 (6-7)	R1903954-002	I:\ACQUADATA\msvoa10\data\051019\E0989.D\	05/10/19 16:23	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/04/19 16:31

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ1904290-02
Analysis Lot:634334
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5		
	Area	RT	Area	RT	Area	RT	
Result ==>	300,350	11.73	646,142	5.94	565,661	9.58	
Upper Limit ==>	600,700	12.23	1,292,284	6.44	1,131,322	10.08	
Lower Limit ==>	150,175	11.23	323,071	5.44	282,831	9.08	
Associated Analyses							
Lab Control Sample	RQ1904290-03	295721	11.73	666529	5.94	574470	9.58
Method Blank	RQ1904290-04	292426	11.73	667599	5.94	563661	9.58
TB-07-24 (7-8)	R1903954-009	204003	11.74	575473	5.94	482508	9.58

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/04/19 16:31

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ1904290-02
Analysis Lot:634334
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	411,597	4.69
Upper Limit ==>	823,194	5.19
Lower Limit ==>	205,799	4.19

Associated Analyses

Lab Control Sample	RQ1904290-03	420403	4.69
Method Blank	RQ1904290-04	406975	4.69
TB-07-24 (7-8)	R1903954-009	367587	4.69

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/06/19 11:32

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904174-02
Analysis Lot:634409
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5		
	Area	RT	Area	RT	Area	RT	
Result ==>	345,414	11.84	570,206	6.49	524,251	9.79	
Upper Limit ==>	690,828	12.34	1,140,412	6.99	1,048,502	10.29	
Lower Limit ==>	172,707	11.34	285,103	5.99	262,126	9.29	
Associated Analyses							
Lab Control Sample	RQ1904174-03	276261	11.84	552366	6.49	494023	9.79
Method Blank	RQ1904174-04	240777	11.84	505616	6.49	454074	9.79
TMW-04-24	R1903954-014	225975	11.84	489260	6.49	425647	9.79

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/06/19 11:32

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050619\P26402.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904174-02
Analysis Lot:634409
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	397,908	5.40
Upper Limit ==>	795,816	5.90
Lower Limit ==>	198,954	4.90

Associated Analyses

Lab Control Sample	RQ1904174-03	389114	5.41
Method Blank	RQ1904174-04	349136	5.41
TMW-04-24	R1903954-014	330116	5.40

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 11:12

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa12\Data\050719\P26463.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904239-02
Analysis Lot:634556
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	390,360	11.84	594,528	6.49	546,454	9.79
Upper Limit ==>	780,720	12.34	1,189,056	6.99	1,092,908	10.29
Lower Limit ==>	195,180	11.34	297,264	5.99	273,227	9.29

Associated Analyses

Lab Control Sample	RQ1904239-03	295225	11.84	582448	6.49	516926	9.79
Method Blank	RQ1904239-04	260249	11.84	532026	6.49	480771	9.79
TMW-01-24	R1903954-012	240919	11.84	511659	6.49	457722	9.79
TMW-06-24	R1903954-015	254098	11.84	526193	6.49	467014	9.79
TMW-02-24	R1903954-013	257860	11.84	526723	6.49	471994	9.79

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 11:12

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\050719\P26463.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904239-02
Analysis Lot:634556
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	410,574	5.40
Upper Limit ==>	821,148	5.90
Lower Limit ==>	205,287	4.90

Associated Analyses

Lab Control Sample	RQ1904239-03	409911	5.41
Method Blank	RQ1904239-04	375067	5.41
TMW-01-24	R1903954-012	351039	5.41
TMW-06-24	R1903954-015	364519	5.40
TMW-02-24	R1903954-013	361908	5.41

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 10:05

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\050819\E0943.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ1904434-02
Analysis Lot:634768
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	191,096	11.85	405,131	6.49	355,537	9.80
Upper Limit ==>	382,192	12.35	810,262	6.99	711,074	10.30
Lower Limit ==>	95,548	11.35	202,566	5.99	177,769	9.30

Associated Analyses

Lab Control Sample	RQ1904434-03	186995	11.85	409528	6.49	361597	9.80
Method Blank	RQ1904434-04	180056	11.85	414200	6.49	354893	9.80
TMW-08-24	R1903954-016	168115	11.85	383758	6.49	330707	9.80

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 10:05

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\050819\E0943.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ1904434-02
Analysis Lot:634768
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	255,362	5.39
Upper Limit ==>	510,724	5.89
Lower Limit ==>	127,681	4.89

Associated Analyses

Lab Control Sample	RQ1904434-03	260446	5.38
Method Blank	RQ1904434-04	263257	5.39
TMW-08-24	R1903954-016	240233	5.39

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 14:57

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ1904406-02
Analysis Lot:634784
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	194,563	11.73	419,413	5.94	370,392	9.58
Upper Limit ==>	389,126	12.23	838,826	6.44	740,784	10.08
Lower Limit ==>	97,282	11.23	209,707	5.44	185,196	9.08

Associated Analyses

Lab Control Sample	RQ1904406-03	188592	11.74	392788	5.93	345675	9.58
Method Blank	RQ1904406-04	177359	11.74	370990	5.94	326173	9.58
TB-03-24 (7-8)	R1903954-005	178496	11.74	370667	5.94	329217	9.58
TB-06-24 (7-8)	R1903954-007	176957	11.74	376096	5.94	329895	9.58
TB-07-24 (7-8)	R1903954-009	183002	11.74	383684	5.94	338830	9.58
TB-08-24 (8-9)	R1903954-011	182505	11.73	412321	5.94	359113	9.58

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 14:57

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\
Instrument ID: R-MS-14
Analysis Method: 8260C

Lab Code:RQ1904406-02
Analysis Lot:634784
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	274,395	4.69
Upper Limit ==>	548,790	5.19
Lower Limit ==>	137,198	4.19

Associated Analyses

		Area	RT
Lab Control Sample	RQ1904406-03	251837	4.68
Method Blank	RQ1904406-04	238008	4.68
TB-03-24 (7-8)	R1903954-005	239809	4.68
TB-06-24 (7-8)	R1903954-007	241636	4.68
TB-07-24 (7-8)	R1903954-009	244297	4.68
TB-08-24 (8-9)	R1903954-011	267404	4.69

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/10/19 09:50

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\051019\E0973.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ1904436-02
Analysis Lot:635063
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	202,021	11.85	423,955	6.49	380,191	9.80
Upper Limit ==>	404,042	12.35	847,910	6.99	760,382	10.30
Lower Limit ==>	101,011	11.35	211,978	5.99	190,096	9.30

Associated Analyses

Lab Control Sample	RQ1904436-03	192049	11.85	386060	6.49	342196	9.80
Method Blank	RQ1904436-04	187300	11.85	389709	6.48	343842	9.80
TB-02-24 (6-7)	R1903954-002	190495	11.85	376085	6.49	337026	9.80

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/10/19 09:50

Internal Standard Area and RT SUMMARY
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\051019\E0973.D\
Instrument ID: R-MS-10
Analysis Method: 8260C

Lab Code:RQ1904436-02
Analysis Lot:635063
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	269,422	5.38
Upper Limit ==>	538,844	5.88
Lower Limit ==>	134,711	4.88

Associated Analyses

Lab Control Sample	RQ1904436-03	242189	5.38
Method Blank	RQ1904436-04	245763	5.38
TB-02-24 (6-7)	R1903954-002	238459	5.38



Semivolatile Organic Compounds by GC/MS

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3541

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		10-109	10-102	10-88
TB-01-24 (1-3)	R1903954-001	42	35	24
TB-02-24 (7-8)	R1903954-004	41	20	17
TB-05-24 (1-4)	R1903954-006	34	28	26
TB-06-24 (4-5)	R1903954-008	42	36	30
TB-07-24 (2-4)	R1903954-010	44	38	33
Method Blank	RQ1904142-05	50	44	40
Lab Control Sample	RQ1904142-06	50	44	40
Duplicate Lab Control Sample	RQ1904142-07	49	40	36

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3541

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	Terphenyl-d14
		10-95	10-145	10-106
TB-01-24 (1-3)	R1903954-001	30	27	41
TB-02-24 (7-8)	R1903954-004	19	18	39
TB-05-24 (1-4)	R1903954-006	32	29	46
TB-06-24 (4-5)	R1903954-008	34	28	42
TB-07-24 (2-4)	R1903954-010	36	31	42
Method Blank	RQ1904142-05	41	40	51
Lab Control Sample	RQ1904142-06	43	39	48
Duplicate Lab Control Sample	RQ1904142-07	38	34	50

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/07/19 16:23
Date Extracted: 05/06/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** R-MS-54
Lab Code: RQ1904142-05 **File ID:** I:\ACQUADATA\5973D\Data\050719\BR670.D\
Analysis Method: 8270D **Analysis Lot:** 634539,634837,635338
Prep Method: EPA 3541 **Extraction Lot:** 335967

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904142-06	I:\ACQUADATA\5973D\Data\050719\BR671.D\	05/07/19 16:52
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUADATA\5973D\Data\050719\BR672.D\	05/07/19 17:20
TB-01-24 (1-3)	R1903954-001	I:\ACQUADATA\5973D\Data\050719\BR673.D\	05/07/19 17:49
TB-02-24 (7-8)	R1903954-004	I:\ACQUADATA\5973D\Data\050719\BR674.D\	05/07/19 18:18
TB-05-24 (1-4)	R1903954-006	I:\ACQUADATA\5973D\Data\050719\BR675.D\	05/07/19 18:47
TB-06-24 (4-5)	R1903954-008	I:\ACQUADATA\5973D\Data\050719\BR676.D\	05/07/19 19:16
TB-07-24 (2-4)	R1903954-010	I:\ACQUADATA\5973D\Data\050719\BR677.D\	05/07/19 19:44
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR705.D\	05/08/19 13:50
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR706.D\	05/08/19 14:19
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904142-05

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	96 U	330	96	1	05/07/19 16:23	5/6/19	
2,3,4,6-Tetrachlorophenol	82 U	330	82	1	05/07/19 16:23	5/6/19	
2,4,5-Trichlorophenol	82 U	330	82	1	05/07/19 16:23	5/6/19	
2,4,6-Trichlorophenol	86 U	330	86	1	05/07/19 16:23	5/6/19	
2,4-Dichlorophenol	68 U	330	68	1	05/07/19 16:23	5/6/19	
2,4-Dimethylphenol	63 U	330	63	1	05/07/19 16:23	5/6/19	
2,4-Dinitrophenol	62 U	1700	62	1	05/07/19 16:23	5/6/19	
2,4-Dinitrotoluene	86 U	330	86	1	05/07/19 16:23	5/6/19	
2,6-Dinitrotoluene	120 U	330	120	1	05/07/19 16:23	5/6/19	
2-Chloronaphthalene	73 U	330	73	1	05/07/19 16:23	5/6/19	
2-Chlorophenol	80 U	330	80	1	05/07/19 16:23	5/6/19	
2-Methylnaphthalene	74 U	330	74	1	05/07/19 16:23	5/6/19	
2-Methylphenol	80 U	330	80	1	05/07/19 16:23	5/6/19	
2-Nitroaniline	95 U	1700	95	1	05/07/19 16:23	5/6/19	
2-Nitrophenol	75 U	330	75	1	05/07/19 16:23	5/6/19	
3,3'-Dichlorobenzidine	110 U	330	110	1	05/07/19 16:23	5/6/19	
3- and 4-Methylphenol Coelution	83 U	330	83	1	05/07/19 16:23	5/6/19	
3-Nitroaniline	72 U	1700	72	1	05/07/19 16:23	5/6/19	
4,6-Dinitro-2-methylphenol	72 U	1700	72	1	05/07/19 16:23	5/6/19	
4-Bromophenyl Phenyl Ether	94 U	330	94	1	05/07/19 16:23	5/6/19	
4-Chloro-3-methylphenol	75 U	330	75	1	05/07/19 16:23	5/6/19	
4-Chloroaniline	40 U	330	40	1	05/07/19 16:23	5/6/19	
4-Chlorophenyl Phenyl Ether	79 U	330	79	1	05/07/19 16:23	5/6/19	
4-Nitroaniline	73 U	1700	73	1	05/07/19 16:23	5/6/19	
4-Nitrophenol	200 U	1700	200	1	05/07/19 16:23	5/6/19	
Acenaphthene	73 U	330	73	1	05/07/19 16:23	5/6/19	
Acenaphthylene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Acetophenone	77 U	330	77	1	05/07/19 16:23	5/6/19	
Anthracene	64 U	330	64	1	05/07/19 16:23	5/6/19	
Atrazine	89 U	330	89	1	05/07/19 16:23	5/6/19	
Benz(a)anthracene	58 U	330	58	1	05/07/19 16:23	5/6/19	
Benzaldehyde	79 U	1700	79	1	05/07/19 16:23	5/6/19	
Benzo(a)pyrene	67 U	330	67	1	05/07/19 16:23	5/6/19	
Benzo(b)fluoranthene	60 U	330	60	1	05/07/19 16:23	5/6/19	
Benzo(g,h,i)perylene	75 U	330	75	1	05/07/19 16:23	5/6/19	
Benzo(k)fluoranthene	74 U	330	74	1	05/07/19 16:23	5/6/19	
Biphenyl	77 U	330	77	1	05/07/19 16:23	5/6/19	
2,2'-Oxybis(1-chloropropane)	81 U	330	81	1	05/07/19 16:23	5/6/19	
Bis(2-chloroethoxy)methane	76 U	330	76	1	05/07/19 16:23	5/6/19	
Bis(2-chloroethyl) Ether	60 U	330	60	1	05/07/19 16:23	5/6/19	
Bis(2-ethylhexyl) Phthalate	460 U	500	460	1	05/07/19 16:23	5/6/19	
Butyl Benzyl Phthalate	63 U	330	63	1	05/07/19 16:23	5/6/19	
Caprolactam	74 U	330	74	1	05/07/19 16:23	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904142-05

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	82 U	330	82	1	05/07/19 16:23	5/6/19	
Chrysene	65 U	330	65	1	05/07/19 16:23	5/6/19	
Di-n-butyl Phthalate	110 U	330	110	1	05/07/19 16:23	5/6/19	
Di-n-octyl Phthalate	99 U	330	99	1	05/07/19 16:23	5/6/19	
Dibenz(a,h)anthracene	60 U	330	60	1	05/07/19 16:23	5/6/19	
Dibenzofuran	68 U	330	68	1	05/07/19 16:23	5/6/19	
Diethyl Phthalate	180 U	330	180	1	05/07/19 16:23	5/6/19	
Dimethyl Phthalate	91 U	330	91	1	05/07/19 16:23	5/6/19	
Fluoranthene	78 U	330	78	1	05/07/19 16:23	5/6/19	
Fluorene	83 U	330	83	1	05/07/19 16:23	5/6/19	
Hexachlorobenzene	77 U	330	77	1	05/07/19 16:23	5/6/19	
Hexachlorobutadiene	56 U	330	56	1	05/07/19 16:23	5/6/19	
Hexachlorocyclopentadiene	55 U	330	55	1	05/07/19 16:23	5/6/19	
Hexachloroethane	58 U	330	58	1	05/07/19 16:23	5/6/19	
Indeno(1,2,3-cd)pyrene	73 U	330	73	1	05/07/19 16:23	5/6/19	
Isophorone	71 U	330	71	1	05/07/19 16:23	5/6/19	
N-Nitrosodi-n-propylamine	60 U	330	60	1	05/07/19 16:23	5/6/19	
N-Nitrosodiphenylamine	150 U	330	150	1	05/07/19 16:23	5/6/19	
Naphthalene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Nitrobenzene	68 U	330	68	1	05/07/19 16:23	5/6/19	
Pentachlorophenol (PCP)	110 U	1700	110	1	05/07/19 16:23	5/6/19	
Phenanthrene	69 U	330	69	1	05/07/19 16:23	5/6/19	
Phenol	72 U	330	72	1	05/07/19 16:23	5/6/19	
Pyrene	65 U	330	65	1	05/07/19 16:23	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	50	10 - 109	05/07/19 16:23	
2-Fluorobiphenyl	44	10 - 102	05/07/19 16:23	
2-Fluorophenol	40	10 - 88	05/07/19 16:23	
Nitrobenzene-d5	41	10 - 95	05/07/19 16:23	
Phenol-d6	40	10 - 145	05/07/19 16:23	
Terphenyl-d14	51	10 - 106	05/07/19 16:23	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/07/19 16:52
Date Extracted: 05/06/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904142-06
Analysis Method: 8270D
Prep Method: EPA 3541

Instrument ID:R-MS-54
File ID:I:\ACQUADATA\5973D\Data\050719\BR671.D\
Analysis Lot:634539,634837,635338
Extraction Lot:335967

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904142-05	I:\ACQUADATA\5973D\Data\050719\BR670.D\	05/07/19 16:23
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUADATA\5973D\Data\050719\BR672.D\	05/07/19 17:20
TB-01-24 (1-3)	R1903954-001	I:\ACQUADATA\5973D\Data\050719\BR673.D\	05/07/19 17:49
TB-02-24 (7-8)	R1903954-004	I:\ACQUADATA\5973D\Data\050719\BR674.D\	05/07/19 18:18
TB-05-24 (1-4)	R1903954-006	I:\ACQUADATA\5973D\Data\050719\BR675.D\	05/07/19 18:47
TB-06-24 (4-5)	R1903954-008	I:\ACQUADATA\5973D\Data\050719\BR676.D\	05/07/19 19:16
TB-07-24 (2-4)	R1903954-010	I:\ACQUADATA\5973D\Data\050719\BR677.D\	05/07/19 19:44
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR705.D\	05/08/19 13:50
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR706.D\	05/08/19 14:19
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: NA

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:

Instrument ID:

Lab Code:

File ID:

Analysis Method: 8270D

Analysis Lot:634539,634837,635338

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904520-05	I:\ACQUATA\5973A\DATA\051319\DS015.D\	05/13/19 15:21

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/07/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Analyte Name	Lab Control Sample RQ1904142-06				Duplicate Lab Control Sample RQ1904142-07				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,2,4,5-Tetrachlorobenzene	8270D	768	1670	46	666	1670	40	10-115	14	30
2,3,4,6-Tetrachlorophenol	8270D	705	1670	42	746	1670	45	29-100	7	30
2,4,5-Trichlorophenol	8270D	772	1670	46	712	1670	43	29-97	7	30
2,4,6-Trichlorophenol	8270D	840	1670	50	743	1670	45	26-97	11	30
2,4-Dichlorophenol	8270D	785	1670	47	703	1670	42	25-90	11	30
2,4-Dimethylphenol	8270D	808	1670	48	743	1670	45	26-89	6	30
2,4-Dinitrophenol	8270D	306 J	1670	18	331 J	1670	20	10-128	11	30
2,4-Dinitrotoluene	8270D	780	1670	47	771	1670	46	30-111	2	30
2,6-Dinitrotoluene	8270D	821	1670	49	807	1670	48	28-105	2	30
2-Chloronaphthalene	8270D	782	1670	47	676	1670	41	21-88	14	30
2-Chlorophenol	8270D	736	1670	44	618	1670	37	18-87	17	30
2-Methylnaphthalene	8270D	682	1670	41	650	1670	39	21-83	5	30
2-Methylphenol	8270D	738	1670	44	620	1670	37	22-86	17	30
2-Nitroaniline	8270D	796 J	1670	48	793 J	1670	48	27-105	<1	30
2-Nitrophenol	8270D	693	1670	42	644	1670	39	20-88	7	30
3- and 4-Methylphenol Coelution	8270D	640	1670	38	566	1670	34	27-92	11	30
3-Nitroaniline	8270D	657 J	1670	39	740 J	1670	44	27-98	12	30
4,6-Dinitro-2-methylphenol	8270D	476 J	1670	29	574 J	1670	34	11-96	16	30
4-Bromophenyl Phenyl Ether	8270D	1000	1670	60	930	1670	56	25-96	7	30
4-Chloro-3-methylphenol	8270D	811	1670	49	782	1670	47	29-92	4	30
4-Chloroaniline	8270D	515	1670	31	614	1670	37	21-72	18	30
4-Chlorophenyl Phenyl Ether	8270D	874	1670	52	812	1670	49	25-92	6	30
4-Nitroaniline	8270D	785 J	1670	47	823 J	1670	49	27-102	4	30
4-Nitrophenol	8270D	861 J	1670	52	987 J	1670	59	10-130	13	30
Acenaphthene	8270D	741	1670	44	706	1670	42	25-92	5	30
Acenaphthylene	8270D	805	1670	48	760	1670	46	27-93	4	30
Acetophenone	8270D	1240	3330	37	1090	3330	33	23-87	11	30
Anthracene	8270D	904	1670	54	908	1670	54	32-106	<1	30
Benz(a)anthracene	8270D	925	1670	56	991	1670	59	33-109	5	30
Benzo(a)pyrene	8270D	998	1670	60	1050	1670	63	34-115	5	30
Benzo(b)fluoranthene	8270D	849	1670	51	893	1670	54	31-107	6	30
Benzo(g,h,i)perylene	8270D	1190	1670	72	1240	1670	75	30-127	4	30
Benzo(k)fluoranthene	8270D	936	1670	56	1000	1670	60	34-111	7	30

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/07/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/Kg
Basis:Dry

Analyte Name	Lab Control Sample RQ1904142-06				Duplicate Lab Control Sample RQ1904142-07					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Biphenyl	8270D	686	1670	41	644	1670	39	26-88	5	30
2,2'-Oxybis(1-chloropropane)	8270D	897	1670	54	771	1670	46	10-82	16	30
Bis(2-chloroethoxy)methane	8270D	775	1670	47	689	1670	41	17-85	14	30
Bis(2-chloroethyl) Ether	8270D	785	1670	47	655	1670	39	10-79	19	30
Bis(2-ethylhexyl) Phthalate	8270D	900	1670	54	949	1670	57	31-115	5	30
Butyl Benzyl Phthalate	8270D	928	1670	56	1000	1670	60	31-115	7	30
Caprolactam	8270D	796	1670	48	819	1670	49	28-99	2	30
Carbazole	8270D	933	1670	56	983	1670	59	23-129	5	30
Chrysene	8270D	964	1670	58	983	1670	59	34-108	2	30
Di-n-butyl Phthalate	8270D	917	1670	55	969	1670	58	33-114	5	30
Di-n-octyl Phthalate	8270D	895	1670	54	938	1670	56	32-116	4	30
Dibenz(a,h)anthracene	8270D	755	1670	45	847	1670	51	23-122	13	30
Dibenzofuran	8270D	785	1670	47	766	1670	46	27-94	2	30
Diethyl Phthalate	8270D	775	1670	47	770	1670	46	26-101	2	30
Dimethyl Phthalate	8270D	810	1670	49	783	1670	47	27-98	4	30
Fluoranthene	8270D	942	1670	57	1010	1670	61	34-111	7	30
Fluorene	8270D	804	1670	48	784	1670	47	27-95	2	30
Hexachlorobenzene	8270D	881	1670	53	909	1670	55	30-104	4	30
Hexachlorobutadiene	8270D	789	1670	47	748	1670	45	10-142	4	30
Hexachlorocyclopentadiene	8270D	520	1670	31	462	1670	28	10-133	10	30
Hexachloroethane	8270D	702	1670	42	615	1670	37	10-129	13	30
Indeno(1,2,3-cd)pyrene	8270D	964	1670	58	1030	1670	62	33-121	7	30
Isophorone	8270D	750	1670	45	685	1670	41	21-79	9	30
N-Nitrosodi-n-propylamine	8270D	700	1670	42	588	1670	35	15-78	18	30
N-Nitrosodiphenylamine	8270D	970	1670	58	991	1670	59	29-108	2	30
Naphthalene	8270D	697	1670	42	614	1670	37	18-81	13	30
Nitrobenzene	8270D	761	1670	46	660	1670	40	14-80	14	30
Pentachlorophenol (PCP)	8270D	600 J	1670	36	665 J	1670	40	13-117	11	30
Phenanthrene	8270D	854	1670	51	859	1670	52	33-103	2	30
Phenol	8270D	714	1670	43	637	1670	38	10-144	12	30
Pyrene	8270D	893	1670	54	936	1670	56	33-111	4	30

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 12:42

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050719\BR662.D\
Instrument ID: R-MS-54

Analytical Method: 8270D
Analysis Lot: 634539

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	39.35	23101	Pass
68	69	0.00	2	0.59	157	Pass
69	198	0.00	100	45.24	26560	Pass
70	69	0.00	2	0.00	0	Pass
127	198	10	80	54.53	32014	Pass
197	198	0.00	2	0.69	406	Pass
198	198	100	100	100.00	58705	Pass
199	198	5	9	7.53	4422	Pass
275	198	10	60	27.98	16428	Pass
365	198	1	100	5.84	3430	Pass
441	442	0.01	24	17.32	11948	Pass
442	442	100	100	100.00	68973	Pass
443	442	15	24	20.17	13914	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904287-05	I:\ACQUADATA\5973D\Data\050719\BR663.D\	05/07/19 13:01	
Method Blank	RQ1904142-05	I:\ACQUADATA\5973D\Data\050719\BR670.D\	05/07/19 16:23	
Lab Control Sample	RQ1904142-06	I:\ACQUADATA\5973D\Data\050719\BR671.D\	05/07/19 16:52	
Duplicate Lab Control Sample	RQ1904142-07	I:\ACQUADATA\5973D\Data\050719\BR672.D\	05/07/19 17:20	
TB-01-24 (1-3)	R1903954-001	I:\ACQUADATA\5973D\Data\050719\BR673.D\	05/07/19 17:49	
TB-02-24 (7-8)	R1903954-004	I:\ACQUADATA\5973D\Data\050719\BR674.D\	05/07/19 18:18	
TB-05-24 (1-4)	R1903954-006	I:\ACQUADATA\5973D\Data\050719\BR675.D\	05/07/19 18:47	
TB-06-24 (4-5)	R1903954-008	I:\ACQUADATA\5973D\Data\050719\BR676.D\	05/07/19 19:16	
TB-07-24 (2-4)	R1903954-010	I:\ACQUADATA\5973D\Data\050719\BR677.D\	05/07/19 19:44	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 07:49

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050819\BR692.D\
Instrument ID: R-MS-54

Analytical Method: 8270D
Analysis Lot: 634837

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	40.91	23054	Pass
68	69	0.00	2	1.98	562	Pass
69	198	0.00	100	50.43	28419	Pass
70	69	0.00	2	0.67	190	Pass
127	198	10	80	50.77	28608	Pass
197	198	0.00	2	0.87	489	Pass
198	198	100	100	100.00	56352	Pass
199	198	5	9	7.01	3952	Pass
275	198	10	60	27.82	15679	Pass
365	198	1	100	7.50	4229	Pass
441	442	0.01	24	16.76	10554	Pass
442	442	100	100	100.00	62983	Pass
443	442	15	24	17.40	10961	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904331-02	I:\ACQUADATA\5973D\Data\050819\BR693.D\	05/08/19 08:09	
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR705.D\	05/08/19 13:50	
Method Detection Limit Verification	RQ1904142-01	I:\ACQUADATA\5973D\Data\050819\BR706.D\	05/08/19 14:19	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/13/19 08:13

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS001.D\
Instrument ID: R-MS-51

Analytical Method: 8270D
Analysis Lot: 635338

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	45.26	69158	Pass
68	69	0.00	2	0.00	0	Pass
69	198	0.00	100	49.54	75692	Pass
70	69	0.00	2	0.07	54	Pass
127	198	10	80	54.10	82654	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	152792	Pass
199	198	5	9	7.15	10921	Pass
275	198	10	60	19.81	30272	Pass
365	198	1	100	2.42	3701	Pass
441	442	0.01	24	18.91	17704	Pass
442	442	100	100	100.00	93616	Pass
443	442	15	24	20.14	18856	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904520-04	I:\ACQUADATA\5973A\DATA\051319\DS002.D\	05/13/19 08:41	
Method Blank	RQ1904520-05	I:\ACQUADATA\5973A\DATA\051319\DS015.D\	05/13/19 15:21	
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS016.D\	05/13/19 15:51	
Method Detection Limit Verification	RQ1904142-02	I:\ACQUADATA\5973A\DATA\051319\DS017.D\	05/13/19 16:20	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 13:01

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050719\BR663.D\
Instrument ID: R-MS-54
Analysis Method: 8270D

Lab Code:RQ1904287-05
Analysis Lot:634539
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	76,788	4.47	167,963	7.34	312,176	11.89
Upper Limit ==>	153,576	4.97	335,926	7.84	624,352	12.39
Lower Limit ==>	38,394	3.97	83,982	6.84	156,088	11.39

Associated Analyses

		Area	RT	Area	RT	Area	RT
Method Blank	RQ1904142-05	70521	4.47	155064	7.34	278668	11.88
Lab Control Sample	RQ1904142-06	75907	4.48	164222	7.34	293072	11.88
Duplicate Lab Control Sample	RQ1904142-07	72086	4.47	155022	7.34	287953	11.88
TB-01-24 (1-3)	R1903954-001	78397	4.47	164008	7.33	302667	11.89
TB-02-24 (7-8)	R1903954-004	73347	4.47	161388	7.34	300082	11.88
TB-05-24 (1-4)	R1903954-006	76125	4.47	161113	7.34	306206	11.88
TB-06-24 (4-5)	R1903954-008	91201	4.47	191833	7.34	356691	11.89
TB-07-24 (2-4)	R1903954-010	86126	4.47	185277	7.34	351019	11.89

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/07/19 13:01

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050719\BR663.D\
Instrument ID: R-MS-54
Analysis Method: 8270D

Lab Code:RQ1904287-05
Analysis Lot:634539
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	288,118	5.64	326,249	14.65	303,213	8.80
Upper Limit ==>	576,236	6.14	652,498	15.15	606,426	9.30
Lower Limit ==>	144,059	5.14	163,125	14.15	151,607	8.30

Associated Analyses

		Area	RT	Area	RT	Area	RT
Method Blank	RQ1904142-05	261768	5.64	310975	14.65	278083	8.80
Lab Control Sample	RQ1904142-06	285567	5.64	317085	14.65	264991	8.80
Duplicate Lab Control Sample	RQ1904142-07	267482	5.64	307760	14.65	254435	8.80
TB-01-24 (1-3)	R1903954-001	293196	5.64	323510	14.67	283812	8.80
TB-02-24 (7-8)	R1903954-004	270844	5.64	326979	14.65	297135	8.80
TB-05-24 (1-4)	R1903954-006	286598	5.64	327558	14.65	286866	8.80
TB-06-24 (4-5)	R1903954-008	326613	5.64	368490	14.68	348453	8.80
TB-07-24 (2-4)	R1903954-010	317750	5.64	371924	14.67	338046	8.80

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 08:09

Internal Standard Area and RT SUMMARY
Semivolatiles Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050819\BR693.D\
Instrument ID: R-MS-54
Analysis Method: 8270D

Lab Code:RQ1904331-02
Analysis Lot:634837
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	59,292	4.48	128,261	7.34	255,877	11.90
Upper Limit ==>	118,584	4.98	256,522	7.84	511,754	12.40
Lower Limit ==>	29,646	3.98	64,131	6.84	127,939	11.40

Associated Analyses

Method Detection Limit Verification RQ1904142-01	63454	4.48	137694	7.34	254666	11.89
Method Detection Limit Verification RQ1904142-01	65598	4.48	142914	7.34	240763	11.89

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/08/19 08:09

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973D\Data\050819\BR693.D\
Instrument ID: R-MS-54
Analysis Method: 8270D

Lab Code:RQ1904331-02
Analysis Lot:634837
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	218,568	5.64	276,901	14.67	246,121	8.80
Upper Limit ==>	437,136	6.14	553,802	15.17	492,242	9.30
Lower Limit ==>	109,284	5.14	138,451	14.17	123,061	8.30

Associated Analyses

Method Detection Limit Verification RQ1904142-01	230864	5.64	262132	14.67	243703	8.80
Method Detection Limit Verification RQ1904142-01	234566	5.64	244746	14.67	248003	8.80

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 8270D

Lab Code:RQ1904520-04
Analysis Lot:635338
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	164,546	4.73	301,006	7.61	428,068	12.36
Upper Limit ==>	329,092	5.23	602,012	8.11	856,136	12.86
Lower Limit ==>	82,273	4.23	150,503	7.11	214,034	11.86

Associated Analyses

Method Blank	RQ1904520-05	151117	4.73	298575	7.61	409638	12.36
Method Detection Limit Verification	RQ1904142-02	147664	4.73	289413	7.61	405035	12.36
Method Detection Limit Verification	RQ1904142-02	139293	4.74	276610	7.61	381409	12.36

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 8270D

Lab Code:RQ1904520-04
Analysis Lot:635338
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	628,353	5.90	421,409	15.31	470,232	9.09
Upper Limit ==>	1,256,706	6.40	842,818	15.81	940,464	9.59
Lower Limit ==>	314,177	5.40	210,705	14.81	235,116	8.59

Associated Analyses

		Area	RT	Area	RT	Area	RT
Method Blank	RQ1904520-05	570923	5.90	412581	15.31	459530	9.09
Method Detection Limit Verification	RQ1904142-02	559179	5.90	393919	15.31	451747	9.09
Method Detection Limit Verification	RQ1904142-02	536786	5.90	376039	15.31	421649	9.08



Semivolatile Organic Compounds by GC

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3541

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		22-128	14-119
TB-02-24 (2-4)	R1903954-003	84	68
TB-05-24 (1-4)	R1903954-006	53	46
Method Blank	RQ1904198-03	55	50
Lab Control Sample	RQ1904198-06	91	50
Duplicate Lab Control Sample	RQ1904198-07	74	50

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19 15:32
Date Extracted: 05/07/19

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name: Method Blank
Lab Code: RQ1904198-03
Analysis Method: 8082A
Prep Method: EPA 3541

Instrument ID:R-GC-58
File ID:I:\ACQUADATA\6890G\Data\050819\BH609.D\
Analysis Lot:634898
Extraction Lot:336082

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904198-06	I:\ACQUADATA\6890G\Data\050819\BH610.D\	05/08/19 15:52
Duplicate Lab Control Sample	RQ1904198-07	I:\ACQUADATA\6890G\Data\050819\BH611.D\	05/08/19 16:13
TB-02-24 (2-4)	R1903954-003	I:\ACQUADATA\6890G\Data\050819\BH614.D\	05/08/19 17:14
TB-05-24 (1-4)	R1903954-006	I:\ACQUADATA\6890G\Data\050819\BH615.D\	05/08/19 17:34

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904198-03

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	18 U	33	18	1	05/08/19 15:32	5/7/19	
Aroclor 1221	34 U	67	34	1	05/08/19 15:32	5/7/19	
Aroclor 1232	20 U	33	20	1	05/08/19 15:32	5/7/19	
Aroclor 1242	18 U	33	18	1	05/08/19 15:32	5/7/19	
Aroclor 1248	26 U	33	26	1	05/08/19 15:32	5/7/19	
Aroclor 1254	19 U	33	19	1	05/08/19 15:32	5/7/19	
Aroclor 1260	18 U	33	18	1	05/08/19 15:32	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	55	22 - 128	05/08/19 15:32	
Tetrachloro-m-xylene	50	14 - 119	05/08/19 15:32	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19 15:52
Date Extracted: 05/07/19

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name: Lab Control Sample
Lab Code: RQ1904198-06
Analysis Method: 8082A
Prep Method: EPA 3541

Instrument ID:R-GC-58
File ID:I:\ACQUADATA\6890G\Data\050819\BH610.D\
Analysis Lot:634898
Extraction Lot:336082

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904198-03	I:\ACQUADATA\6890G\Data\050819\BH609.D\	05/08/19 15:32
Duplicate Lab Control Sample	RQ1904198-07	I:\ACQUADATA\6890G\Data\050819\BH611.D\	05/08/19 16:13
TB-02-24 (2-4)	R1903954-003	I:\ACQUADATA\6890G\Data\050819\BH614.D\	05/08/19 17:14
TB-05-24 (1-4)	R1903954-006	I:\ACQUADATA\6890G\Data\050819\BH615.D\	05/08/19 17:34

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Analyzed: 05/08/19

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis:Dry

Analyte Name	Lab Control Sample				Duplicate Lab Control Sample					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	8082A	109	171	64	117	165	71	41-127	6	30
Aroclor 1260	8082A	157	171	92	131	165	80	49-135	18	30

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil

Service Request: R1903954
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ1904198-06

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	18	109	115	5		1	05/08/19 15:52
Aroclor 1260	18	157	157	<1		1	05/08/19 15:52

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil
Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1904198-07

Service Request: R1903954
Date Collected: NA
Date Received:

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	17	117	129	10		1	05/08/19 16:13
Aroclor 1260	17	131	133	2		1	05/08/19 16:13



Metals

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METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium	10000	10200	102	10000	10300	103	10300	103	P
Cadmium	500	483	97	500	485	97	491	98	P
Mercury	3.00	3.14	105	3.00	3.13	104	3.18	106	CV
Chromium	500	500	100	500	501	100	504	101	P
Lead	500	495	99	500	493	99	498	100	P
Silver	500	495	99	500	494	99	490	98	P

Comments:

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10300	103	10300	103	P
Cadmium				500	491	98	486	97	P
Mercury				3.00	2.88	96	3.02	101	CV
Chromium				500	503	101	502	100	P
Lead				500	500	100	497	99	P
Silver				500	494	99	496	99	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10300	103	10400	104	P
Cadmium				500	487	97	502	100	P
Mercury				3.00	3.02	101			CV
Chromium				500	503	101	511	102	P
Lead				500	498	100	510	102	P
Silver				500	496	99	493	99	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	977	98	1000	979	98	977	98	P
Lead	500	506	101	500	508	102	520	104	P
Selenium	500	482	96	500	489	98	481	96	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	981	98	986	99	P
Lead				500	508	102	507	101	P
Selenium				500	484	97	489	98	P

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial	Final			
	True	Found	%R	True	Found	%R	Found	%R
Barium				200.0	210.20	105	210.70	105
Cadmium				10.0	9.80	98	9.70	97
Mercury	0.200	0.173	86					
Chromium				10.0	10.00	100	10.10	101
Lead				10.0	9.20	92	9.50	95
Silver				10.0	9.90	99	9.80	98

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP						
	True	Found	%R	Initial	Final	True	Found	%R	Found	%R
Mercury	0.200	0.168	84							

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	17.70	88	21.00	105
Lead				10.0	9.10	91	10.20	102
Selenium				10.0	10.50	105	11.00	110

Comments:

METALS

-3-

BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Barium	9.70 U	9.70	U	9.70	U	9.70	U	0.970	U	P
Cadmium	0.73 U	0.73	U	0.73	U	0.73	U	0.073	U	P
Mercury	0.035 U	0.035	U	0.035	U	-0.041	J	-0.007	J	CV
Chromium	3.50 U	3.50	U	3.50	U	3.50	U	0.350	U	P
Lead	4.00 U	4.00	U	4.00	U	4.00	U	0.400	U	P
Silver	0.71 U	0.71	U	0.71	U	0.71	U	0.071	U	P

Comments:

METALS

-3-

BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Barium		9.70	U	9.70	U	9.70	U			P
Cadmium		0.73	U	0.73	U	0.73	U			P
Mercury		0.035	U	0.035	U					CV
Chromium		3.50	U	3.50	U	3.50	U			P
Lead		4.00	U	4.00	U	4.00	U			P
Silver		0.71	U	0.71	U	0.71	U			P

Comments:

METALS

-3-

BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L		Continuing Calibration Blank ug/L						Preparation Blank		M
	C		1	C	2	C	3	C	C		
Arsenic	7.00	U	7.00	U	7.00	U	7.00	U	0.700	U	P
Lead	4.00	U	4.00	U	4.00	U	4.00	U			P
Selenium	5.40	U	5.40	U	5.40	U	5.40	U	0.540	U	P

Comments:

METALS

-3-

BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Arsenic		7.00	U							P
Lead		4.00	U							P
Selenium		5.40	U							P

Comments:

METALS

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Barium		500	0.6	526	105	0.6	530	106
Cadmium		1000	-0.4	948	95	-0.2	955	96
Chromium		500	0.9	500	100	0.6	503	101
Lead		50	-2.8	45	90	-2.2	48	96
Silver		200	0.1	214	107	0.1	215	108

METALS

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		100	0.4	106	106	1.1	99	99
Lead		50	-1.0	49	98	-2.2	49	98
Selenium		50	-5.9	51	102	5.5	45	90

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-01-24 (1-3)S

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Arsenic	75 - 125	31.70	9.82	4.8	456	N	P
Barium	75 - 125	356.00	213.00	240.0	60	N	P
Cadmium	75 - 125	7.10	0.58	6.0	109		P
Chromium	75 - 125	37.40	9.25	24.0	117		P
Lead		8760.00	4390.00	60.0	7283		P
Selenium	75 - 125	115.00	0.61 U	121.0	95		P
Silver	75 - 125	6.44	0.34 J	6.0	102		P

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-01-24 (1-3) SD

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Arsenic	75 - 125	22.20	9.82	4.4	281	N	P
Barium	75 - 125	325.00	213.00	218.0	51	N	P
Cadmium	75 - 125	5.78	0.58	5.5	95		P
Chromium	75 - 125	31.80	9.25	21.8	103		P
Lead		16100.00	4390.00	54.5	21486		P
Selenium	75 - 125	107.00	0.61 U	110.0	97		P
Silver	75 - 125	6.45	0.34 J	5.5	111		P

Comments:

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-01-24 (1-3)A

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Matrix (soil/water): SOIL _____ Level (low/med): LOW _____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added(SA)	%R	Q	M
Arsenic		130.00	86.80	40.0	108		P
Barium		3750.00	1890.00	2000.0	93		P
Cadmium		50.50	5.10	50.0	91		P
Chromium		271.00	81.80	200.0	95		P
Lead		2360.00	1940.00	500.0	84		P
Selenium		1040.00	5.40 U	1010.0	103		P
Silver		51.40	3.00 J	50.0	97		P

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

TB-01-24 (1-3) SD

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4 % Solids for Duplicate: 83.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Arsenic		31.70	22.20	35	*	P
Barium		356.00	325.00	9		P
Cadmium		7.10	5.78	20		P
Chromium		37.40	31.80	16		P
Lead		8760.00	16100.00	59	*	P
Selenium		115.00	107.00	7		P
Silver		6.44	6.45	0		P

Comments: _____

METALS

-7-

LABORATORY CONTROL SAMPLE

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Solid LCS Source: CPI

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic				4	3.73		3.2 4.8	93
Barium				200	212.62		160 240	106
Cadmium				5	5.08		4 6	102
Mercury				0.166	0.15		.133 .199	90
Chromium				20	21.17		16 24	106
Lead				50	51.50		40 60	103
Selenium				101	97.84		80.8 121	97
Silver				5	4.93		4 6	99

Comments: _____

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

TB-01-24 (1-3)L

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Matrix (soil/water): SOIL _____ Level (low/med): LOW _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	M
Arsenic	86.80	80.00	8		P
Barium	1890.00	1930.00	2		P
Cadmium	5.10	5.50 J	8		P
Chromium	81.80	84.00	3		P
Lead	1940.00	1940.00	0		P
Selenium	5.40 U	27.00 U			P
Silver	3.00 J	3.55 U	100.0		P

Comments: _____

METALS
-10-
DETECTION LIMITS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

ICP ID Number: _____ Date: 3/4/2019

Flame AA ID Number: PE FAA/CVAA

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Mercury	253.70	BD	0.200	0.035	CV

Comments: _____

METALS

-10-

DETECTION LIMITS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

ICP ID Number: Agilent ICP Date: 3/4/2019

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Arsenic	188.980		10.0	7.00	P
Barium	230.424		20.0	9.70	P
Cadmium	214.439		5.0	0.73	P
Chromium	267.716		10.0	3.50	P
Lead	220.353		50.0	4.00	P
Selenium	196.026		10.0	5.40	P
Silver	328.068		10.0	0.71	P

Comments: _____

METALS
ICP LINEAR RANGES (QUARTERLY)
-12-

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

ICP ID Number: Agilent ICP Date: 3/4/2019

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	1.000	4000	P
Barium	1.000	40000	P
Cadmium	1.000	2000	P
Chromium	1.000	10000	P
Lead	1.000	10000	P
Selenium	1.000	2000	P
Silver	1.000	2000	P

Comments:

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/6/2019 End Date: 5/6/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
BLANK	1.00	16:37					X	X	X				X							X						
STANDARD 1	1.00	16:41				X	X	X				X								X						
STANDARD 2	1.00	16:44				X	X	X				X								X						
STANDARD 3	1.00	16:47				X	X	X				X								X						
STANDARD 4	1.00	16:51				X	X	X				X								X						
STANDARD 5	1.00	16:54				X	X	X				X								X						
ICV1	1.00	16:58				X	X	X				X								X						
ICB1	1.00	17:01				X	X	X				X								X						
CRDL1	1.00	17:04				X	X	X				X								X						
ICS-A1	1.00	17:08				X	X	X				X								X						
ICS-AB1	1.00	17:11				X	X	X				X								X						
CCV1	1.00	17:14				X	X	X				X								X						
CCB1	1.00	17:18				X	X	X				X								X						
ZZZZZZ	1.00	17:21																								
ZZZZZZ	1.00	17:24																								
ZZZZZZ	10.00	17:28																								
ZZZZZZ	10.00	17:31																								
ZZZZZZ	10.00	17:34																								
ZZZZZZ	10.00	17:38																								
ZZZZZZ	10.00	17:41																								
ZZZZZZ	10.00	17:44																								
ZZZZZZ	10.00	17:48																								
PBS	1.00	17:51				X	X	X				X								X						
CCV2	1.00	17:54				X	X	X				X								X						
CCB2	1.00	17:58				X	X	X				X								X						
LCSS	1.00	18:01				X	X	X				X								X						
ZZZZZZ	1.00	18:04																								
ZZZZZZ	1.00	18:08																								
ZZZZZZ	1.00	18:11																								
TB-01-24 (1-3)	1.00	18:14				X	X	X												X						
TB-01-24 (1-3)S	1.00	18:18				X	X	X												X						
TB-01-24 (1-3)SD	1.00	18:21				X	X	X												X						
TB-01-24 (1-3)A	1.00	18:24				X	X	X												X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/6/2019 End Date: 5/6/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
TB-01-24 (1-3)L	5.00	18:28				X	X	X												X							
TB-02-24 (2-4)	1.00	18:31				X	X	X				X								X							
CCV3	1.00	18:34				X	X	X				X								X							
CCB3	1.00	18:38				X	X	X				X								X							
TB-05-24 (1-4)	1.00	18:41				X	X	X				X								X							
TB-06-24 (4-5)	1.00	18:44				X	X	X				X								X							
TB-07-24 (2-4)	1.00	18:48				X	X	X				X								X							
ZZZZZZ	10.00	18:51																									
ZZZZZZ	10.00	18:54																									
ZZZZZZ	10.00	18:58																									
ZZZZZZ	10.00	19:01																									
ZZZZZZ	1.00	19:04																									
ZZZZZZ	1.00	19:08																									
ZZZZZZ	10.00	19:11																									
CCV4	1.00	19:14				X	X	X				X								X							
CCB4	1.00	19:18				X	X	X				X								X							
ZZZZZZ	10.00	19:21																									
ZZZZZZ	10.00	19:24																									
ZZZZZZ	10.00	19:28																									
ZZZZZZ	10.00	19:31																									
CCV5	1.00	19:34				X	X	X				X								X							
CCB5	1.00	19:37				X	X	X				X								X							
CRDL2	1.00	19:41				X	X	X				X								X							
ICS-A2	1.00	19:44				X	X	X				X								X							
ICS-AB2	1.00	19:47				X	X	X				X								X							
ZZZZZZ	1.00	19:51																									
ZZZZZZ	1.00	19:54																									
ZZZZZZ	1.00	19:57																									
CCV6	1.00	20:01				X	X	X				X								X							
CCB6	1.00	20:04				X	X	X				X								X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
BLANK	1.00	16:05			X								X							X							
STANDARD 1	1.00	16:08			X								X							X							
STANDARD 2	1.00	16:12			X								X							X							
STANDARD 3	1.00	16:15			X								X							X							
STANDARD 4	1.00	16:18			X								X							X							
STANDARD 5	1.00	16:22			X								X							X							
ICV2	1.00	16:37			X								X							X							
ICB2	1.00	16:40			X								X							X							
CRDL1	1.00	16:43			X								X							X							
ICS-A1	1.00	16:47			X								X							X							
ICS-AB1	1.00	16:50			X								X							X							
CCV1	1.00	16:53			X								X							X							
CCB1	1.00	17:03			X								X							X							
PBS	1.00	17:06			X															X							
LCSS	1.00	17:09			X															X							
TB-01-24 (1-3)	20.00	17:13											X														
TB-01-24 (1-3)S	20.00	17:16											X														
TB-01-24 (1-3)SD	20.00	17:19											X														
TB-01-24 (1-3)A	20.00	17:23											X														
TB-01-24 (1-3)L	20.00	17:26											X														
TB-01-24 (1-3)	1.00	17:29			X															X							
TB-01-24 (1-3)S	1.00	17:33			X															X							
TB-01-24 (1-3)SD	1.00	17:36			X															X							
CCV2	1.00	17:39			X								X							X							
CCB2	1.00	17:43			X								X							X							
TB-01-24 (1-3)A	1.00	17:46			X															X							
TB-01-24 (1-3)L	5.00	17:49			X															X							
TB-02-24 (2-4)	1.00	17:53			X															X							
TB-05-24 (1-4)	1.00	17:56			X															X							
TB-06-24 (4-5)	1.00	17:59			X															X							
TB-07-24 (2-4)	1.00	18:03			X															X							
CCV3	1.00	18:06			X								X							X							
CCB3	1.00	18:09			X								X							X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1903954
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-
 Instrument ID Number: Agilent ICP Method: P
 Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
CRDL2	1.00	18:13			X								X						X								
ICS-A2	1.00	18:16			X								X						X								
ICS-AB2	1.00	18:19			X								X						X								
ZZZZZZ	1.00	18:23																									
ZZZZZZ	1.00	18:26																									
ZZZZZZ	1.00	18:29																									
CCV4	1.00	18:33			X								X						X								
CCB4	1.00	18:36			X								X						X								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1903954
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-
 Instrument ID Number: PE FAA/CVAA Method: CV
 Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V N	Z N
ZZZZZZ	1.00	04:36																								
ZZZZZZ	1.00	04:37																								
ZZZZZZ	1.00	04:39																								
ZZZZZZ	1.00	04:41																								
ZZZZZZ	1.00	04:42																								
ZZZZZZ	1.00	04:44																								
ZZZZZZ	1.00	04:46																								
ZZZZZZ	1.00	04:47																								
ZZZZZZ	1.00	04:49																								
ZZZZZZ	1.00	05:43																								
ZZZZZZ	1.00	05:44																								
ZZZZZZ	1.00	05:46																								
ZZZZZZ	1.00	05:47																								
ZZZZZZ	1.00	05:49																								
CCV4	1.00	05:51																	X							
CCB4	1.00	05:52																	X							
ZZZZZZ	1.00	05:54																								
ZZZZZZ	1.00	05:56																								
ZZZZZZ	1.00	05:57																								
ZZZZZZ	1.00	05:59																								
ZZZZZZ	1.00	06:01																								
ZZZZZZ	1.00	06:02																								
ZZZZZZ	1.00	06:04																								
CRDL2	1.00	06:06																	X							
CCV5	1.00	06:07																	X							
CCB5	1.00	06:09																	X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14



General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19
Date Received: 05/02/19
Date Analyzed: 05/07/19

Replicate Sample Summary
General Chemistry Parameters

Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003

Units: Percent
Basis: As Received

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R1903954-003DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Total Solids	ALS SOP	-	85.3	83.2	84.3	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19
Date Received: 05/02/19
Date Analyzed: 05/07/19

Replicate Sample Summary
General Chemistry Parameters

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Units: Percent
Basis: As Received

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample R1903954-005DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Total Solids	ALS SOP	-	77.7	75.4	76.5	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



Raw Data

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	19 U	450	19	78	05/10/19 16:23	
1,1,2,2-Tetrachloroethane	19 U	450	19	78	05/10/19 16:23	
1,1,2-Trichloroethane	19 U	450	19	78	05/10/19 16:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	19 U	450	19	78	05/10/19 16:23	
1,1-Dichloroethane (1,1-DCA)	19 U	450	19	78	05/10/19 16:23	
1,1-Dichloroethene (1,1-DCE)	27 U	450	27	78	05/10/19 16:23	
1,2,3-Trichlorobenzene	48 U	450	48	78	05/10/19 16:23	
1,2,4-Trichlorobenzene	39 U	450	39	78	05/10/19 16:23	
1,2,4-Trimethylbenzene	390 J	450	19	78	05/10/19 16:23	
1,2-Dibromo-3-chloropropane (DBCP)	27 U	450	27	78	05/10/19 16:23	
1,2-Dibromoethane	19 U	450	19	78	05/10/19 16:23	
1,2-Dichlorobenzene	19 U	450	19	78	05/10/19 16:23	
1,2-Dichloroethane	19 U	450	19	78	05/10/19 16:23	
1,2-Dichloropropane	19 U	450	19	78	05/10/19 16:23	
1,3,5-Trimethylbenzene	19 U	450	19	78	05/10/19 16:23	
1,3-Dichlorobenzene	19 U	450	19	78	05/10/19 16:23	
1,4-Dichlorobenzene	20 U	450	20	78	05/10/19 16:23	
1,4-Dioxane	1900 U	9100	1900	78	05/10/19 16:23	
2-Butanone (MEK)	190 U	450	190	78	05/10/19 16:23	
2-Hexanone	33 U	450	33	78	05/10/19 16:23	
4-Isopropyltoluene	420 J	450	19	78	05/10/19 16:23	
4-Methyl-2-pentanone	21 U	450	21	78	05/10/19 16:23	
Acetone	430 U	450	430	78	05/10/19 16:23	
Benzene	92 J	450	19	78	05/10/19 16:23	
Bromochloromethane	19 U	450	19	78	05/10/19 16:23	
Bromodichloromethane	19 U	450	19	78	05/10/19 16:23	
Bromoform	46 U	450	46	78	05/10/19 16:23	
Bromomethane	200 U	450	200	78	05/10/19 16:23	
Carbon Disulfide	43 J	450	27	78	05/10/19 16:23	
Carbon Tetrachloride	24 U	450	24	78	05/10/19 16:23	
Chlorobenzene	19 U	450	19	78	05/10/19 16:23	
Chloroethane	19 U	450	19	78	05/10/19 16:23	
Chloroform	19 U	450	19	78	05/10/19 16:23	
Chloromethane	130 U	450	130	78	05/10/19 16:23	
Cyclohexane	330 J	450	24	78	05/10/19 16:23	
Dibromochloromethane	19 U	450	19	78	05/10/19 16:23	
Dichlorodifluoromethane (CFC 12)	30 U	450	30	78	05/10/19 16:23	
Dichloromethane	260 U	450	260	78	05/10/19 16:23	
Ethylbenzene	190 J	450	19	78	05/10/19 16:23	
Isopropylbenzene (Cumene)	120 J	450	19	78	05/10/19 16:23	
Methyl Acetate	1500	450	77	78	05/10/19 16:23	
Methyl tert-Butyl Ether	19 U	450	19	78	05/10/19 16:23	
Methylcyclohexane	29 U	450	29	78	05/10/19 16:23	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	200 J	450	50	78	05/10/19 16:23	
Styrene	19 U	450	19	78	05/10/19 16:23	
Tetrachloroethene (PCE)	21 U	450	21	78	05/10/19 16:23	
Toluene	130 J	450	19	78	05/10/19 16:23	
Trichloroethene (TCE)	20 U	450	20	78	05/10/19 16:23	
Trichlorofluoromethane (CFC 11)	24 U	450	24	78	05/10/19 16:23	
Vinyl Chloride	42 U	450	42	78	05/10/19 16:23	
cis-1,2-Dichloroethene	19 U	450	19	78	05/10/19 16:23	
cis-1,3-Dichloropropene	19 U	450	19	78	05/10/19 16:23	
m,p-Xylenes	390 J	910	34	78	05/10/19 16:23	
n-Butylbenzene	19 U	450	19	78	05/10/19 16:23	
n-Propylbenzene	440 J	450	19	78	05/10/19 16:23	
o-Xylene	45 J	450	19	78	05/10/19 16:23	
sec-Butylbenzene	290 J	450	19	78	05/10/19 16:23	
tert-Butylbenzene	34 J	450	19	78	05/10/19 16:23	
trans-1,2-Dichloroethene	19 U	450	19	78	05/10/19 16:23	
trans-1,3-Dichloropropene	19 U	450	19	78	05/10/19 16:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	31 - 154	05/10/19 16:23	
Dibromofluoromethane	95	63 - 138	05/10/19 16:23	
Toluene-d8	100	66 - 138	05/10/19 16:23	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	26 U	640	26	99.5	05/08/19 20:52	
1,1,2,2-Tetrachloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1,2-Trichloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1,2-Trichloro-1,2,2-trifluoroethane	26 U	640	26	99.5	05/08/19 20:52	
1,1-Dichloroethane (1,1-DCA)	26 U	640	26	99.5	05/08/19 20:52	
1,1-Dichloroethene (1,1-DCE)	38 U	640	38	99.5	05/08/19 20:52	
1,2,3-Trichlorobenzene	67 U	640	67	99.5	05/08/19 20:52	
1,2,4-Trichlorobenzene	54 U	640	54	99.5	05/08/19 20:52	
1,2,4-Trimethylbenzene	140 J	640	26	99.5	05/08/19 20:52	
1,2-Dibromo-3-chloropropane (DBCP)	38 U	640	38	99.5	05/08/19 20:52	
1,2-Dibromoethane	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichloroethane	26 U	640	26	99.5	05/08/19 20:52	
1,2-Dichloropropane	26 U	640	26	99.5	05/08/19 20:52	
1,3,5-Trimethylbenzene	100 J	640	26	99.5	05/08/19 20:52	
1,3-Dichlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
1,4-Dichlorobenzene	29 U	640	29	99.5	05/08/19 20:52	
1,4-Dioxane	2600 U	13000	2600	99.5	05/08/19 20:52	
2-Butanone (MEK)	260 U	640	260	99.5	05/08/19 20:52	
2-Hexanone	47 U	640	47	99.5	05/08/19 20:52	
4-Isopropyltoluene	49 J	640	26	99.5	05/08/19 20:52	
4-Methyl-2-pentanone	30 U	640	30	99.5	05/08/19 20:52	
Acetone	640	640	610	99.5	05/08/19 20:52	
Benzene	89 J	640	26	99.5	05/08/19 20:52	
Bromochloromethane	26 U	640	26	99.5	05/08/19 20:52	
Bromodichloromethane	26 U	640	26	99.5	05/08/19 20:52	
Bromoform	65 U	640	65	99.5	05/08/19 20:52	
Bromomethane	270 U	640	270	99.5	05/08/19 20:52	
Carbon Disulfide	40 J	640	38	99.5	05/08/19 20:52	
Carbon Tetrachloride	34 U	640	34	99.5	05/08/19 20:52	
Chlorobenzene	26 U	640	26	99.5	05/08/19 20:52	
Chloroethane	26 U	640	26	99.5	05/08/19 20:52	
Chloroform	26 U	640	26	99.5	05/08/19 20:52	
Chloromethane	180 U	640	180	99.5	05/08/19 20:52	
Cyclohexane	710	640	34	99.5	05/08/19 20:52	
Dibromochloromethane	26 U	640	26	99.5	05/08/19 20:52	
Dichlorodifluoromethane (CFC 12)	43 U	640	43	99.5	05/08/19 20:52	
Dichloromethane	360 U	640	360	99.5	05/08/19 20:52	
Ethylbenzene	26 U	640	26	99.5	05/08/19 20:52	
Isopropylbenzene (Cumene)	39 J	640	26	99.5	05/08/19 20:52	
Methyl Acetate	4400	640	110	99.5	05/08/19 20:52	
Methyl tert-Butyl Ether	26 U	640	26	99.5	05/08/19 20:52	
Methylcyclohexane	980	640	40	99.5	05/08/19 20:52	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23

Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	160 BJ	640	71	99.5	05/08/19 20:52	
Styrene	26 U	640	26	99.5	05/08/19 20:52	
Tetrachloroethene (PCE)	30 U	640	30	99.5	05/08/19 20:52	
Toluene	42 J	640	26	99.5	05/08/19 20:52	
Trichloroethene (TCE)	29 U	640	29	99.5	05/08/19 20:52	
Trichlorofluoromethane (CFC 11)	34 U	640	34	99.5	05/08/19 20:52	
Vinyl Chloride	59 U	640	59	99.5	05/08/19 20:52	
cis-1,2-Dichloroethene	26 U	640	26	99.5	05/08/19 20:52	
cis-1,3-Dichloropropene	26 U	640	26	99.5	05/08/19 20:52	
m,p-Xylenes	48 U	1300	48	99.5	05/08/19 20:52	
n-Butylbenzene	59 J	640	26	99.5	05/08/19 20:52	
n-Propylbenzene	26 U	640	26	99.5	05/08/19 20:52	
o-Xylene	41 J	640	26	99.5	05/08/19 20:52	
sec-Butylbenzene	58 J	640	26	99.5	05/08/19 20:52	
tert-Butylbenzene	26 U	640	26	99.5	05/08/19 20:52	
trans-1,2-Dichloroethene	26 U	640	26	99.5	05/08/19 20:52	
trans-1,3-Dichloropropene	26 U	640	26	99.5	05/08/19 20:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	05/08/19 20:52	
Dibromofluoromethane	84	63 - 138	05/08/19 20:52	
Toluene-d8	92	66 - 138	05/08/19 20:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	22 U	550	22	89.5	05/08/19 21:15	
1,1,2,2-Tetrachloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1,2-Trichloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1,2-Trichloro-1,2,2-trifluoroethane	22 U	550	22	89.5	05/08/19 21:15	
1,1-Dichloroethane (1,1-DCA)	22 U	550	22	89.5	05/08/19 21:15	
1,1-Dichloroethene (1,1-DCE)	32 U	550	32	89.5	05/08/19 21:15	
1,2,3-Trichlorobenzene	58 U	550	58	89.5	05/08/19 21:15	
1,2,4-Trichlorobenzene	47 U	550	47	89.5	05/08/19 21:15	
1,2,4-Trimethylbenzene	91 J	550	22	89.5	05/08/19 21:15	
1,2-Dibromo-3-chloropropane (DBCP)	32 U	550	32	89.5	05/08/19 21:15	
1,2-Dibromoethane	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichloroethane	22 U	550	22	89.5	05/08/19 21:15	
1,2-Dichloropropane	22 U	550	22	89.5	05/08/19 21:15	
1,3,5-Trimethylbenzene	23 J	550	22	89.5	05/08/19 21:15	
1,3-Dichlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
1,4-Dichlorobenzene	25 U	550	25	89.5	05/08/19 21:15	
1,4-Dioxane	2200 U	11000	2200	89.5	05/08/19 21:15	
2-Butanone (MEK)	220 U	550	220	89.5	05/08/19 21:15	
2-Hexanone	40 U	550	40	89.5	05/08/19 21:15	
4-Isopropyltoluene	22 U	550	22	89.5	05/08/19 21:15	
4-Methyl-2-pentanone	26 U	550	26	89.5	05/08/19 21:15	
Acetone	520 U	550	520	89.5	05/08/19 21:15	
Benzene	26 J	550	22	89.5	05/08/19 21:15	
Bromochloromethane	22 U	550	22	89.5	05/08/19 21:15	
Bromodichloromethane	22 U	550	22	89.5	05/08/19 21:15	
Bromoform	55 U	550	55	89.5	05/08/19 21:15	
Bromomethane	240 U	550	240	89.5	05/08/19 21:15	
Carbon Disulfide	38 J	550	32	89.5	05/08/19 21:15	
Carbon Tetrachloride	29 U	550	29	89.5	05/08/19 21:15	
Chlorobenzene	22 U	550	22	89.5	05/08/19 21:15	
Chloroethane	22 U	550	22	89.5	05/08/19 21:15	
Chloroform	22 U	550	22	89.5	05/08/19 21:15	
Chloromethane	160 U	550	160	89.5	05/08/19 21:15	
Cyclohexane	150 J	550	29	89.5	05/08/19 21:15	
Dibromochloromethane	22 U	550	22	89.5	05/08/19 21:15	
Dichlorodifluoromethane (CFC 12)	37 U	550	37	89.5	05/08/19 21:15	
Dichloromethane	310 U	550	310	89.5	05/08/19 21:15	
Ethylbenzene	38 J	550	22	89.5	05/08/19 21:15	
Isopropylbenzene (Cumene)	58 J	550	22	89.5	05/08/19 21:15	
Methyl Acetate	1600	550	93	89.5	05/08/19 21:15	
Methyl tert-Butyl Ether	22 U	550	22	89.5	05/08/19 21:15	
Methylcyclohexane	950	550	35	89.5	05/08/19 21:15	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	89 BJ	550	61	89.5	05/08/19 21:15	
Styrene	22 U	550	22	89.5	05/08/19 21:15	
Tetrachloroethene (PCE)	26 U	550	26	89.5	05/08/19 21:15	
Toluene	60 J	550	22	89.5	05/08/19 21:15	
Trichloroethene (TCE)	25 U	550	25	89.5	05/08/19 21:15	
Trichlorofluoromethane (CFC 11)	29 U	550	29	89.5	05/08/19 21:15	
Vinyl Chloride	51 U	550	51	89.5	05/08/19 21:15	
cis-1,2-Dichloroethene	22 U	550	22	89.5	05/08/19 21:15	
cis-1,3-Dichloropropene	22 U	550	22	89.5	05/08/19 21:15	
m,p-Xylenes	110 J	1100	41	89.5	05/08/19 21:15	
n-Butylbenzene	22 U	550	22	89.5	05/08/19 21:15	
n-Propylbenzene	96 J	550	22	89.5	05/08/19 21:15	
o-Xylene	30 J	550	22	89.5	05/08/19 21:15	
sec-Butylbenzene	76 J	550	22	89.5	05/08/19 21:15	
tert-Butylbenzene	22 U	550	22	89.5	05/08/19 21:15	
trans-1,2-Dichloroethene	22 U	550	22	89.5	05/08/19 21:15	
trans-1,3-Dichloropropene	22 U	550	22	89.5	05/08/19 21:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	31 - 154	05/08/19 21:15	
Dibromofluoromethane	83	63 - 138	05/08/19 21:15	
Toluene-d8	90	66 - 138	05/08/19 21:15	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2,2-Tetrachloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2-Trichloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1-Dichloroethane (1,1-DCA)	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,1-Dichloroethene (1,1-DCE)	0.25 U	4.2	0.25	.71	05/04/19 23:17	
1,2,3-Trichlorobenzene	0.44 U	4.2	0.44	.71	05/04/19 23:17	
1,2,4-Trichlorobenzene	0.36 U	4.2	0.36	.71	05/04/19 23:17	
1,2,4-Trimethylbenzene	1400 E	4.2	0.17	.71	05/04/19 23:17	
1,2-Dibromo-3-chloropropane (DBCP)	0.25 U	4.2	0.25	.71	05/04/19 23:17	
1,2-Dibromoethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichlorobenzene	3.4 J	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,2-Dichloropropane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,3,5-Trimethylbenzene	29	4.2	0.17	.71	05/04/19 23:17	
1,3-Dichlorobenzene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
1,4-Dichlorobenzene	0.50 J	4.2	0.19	.71	05/04/19 23:17	
1,4-Dioxane	17 U	84	17	.71	05/04/19 23:17	
2-Butanone (MEK)	29	4.2	1.7	.71	05/04/19 23:17	
2-Hexanone	0.31 U	4.2	0.31	.71	05/04/19 23:17	
4-Isopropyltoluene	76	4.2	0.17	.71	05/04/19 23:17	
4-Methyl-2-pentanone	0.20 U	4.2	0.20	.71	05/04/19 23:17	
Acetone	250 E	4.2	4.0	.71	05/04/19 23:17	
Benzene	42	4.2	0.17	.71	05/04/19 23:17	
Bromochloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Bromodichloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Bromoform	0.43 U	4.2	0.43	.71	05/04/19 23:17	
Bromomethane	1.8 U	4.2	1.8	.71	05/04/19 23:17	
Carbon Disulfide	1.4 J	4.2	0.25	.71	05/04/19 23:17	
Carbon Tetrachloride	0.22 U	4.2	0.22	.71	05/04/19 23:17	
Chlorobenzene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloroethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloroform	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Chloromethane	1.2 U	4.2	1.2	.71	05/04/19 23:17	
Cyclohexane	510 E	4.2	0.22	.71	05/04/19 23:17	
Dibromochloromethane	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Dichlorodifluoromethane (CFC 12)	0.28 U	4.2	0.28	.71	05/04/19 23:17	
Dichloromethane	2.4 U	4.2	2.4	.71	05/04/19 23:17	
Ethylbenzene	180 E	4.2	0.17	.71	05/04/19 23:17	
Isopropylbenzene (Cumene)	170 E	4.2	0.17	.71	05/04/19 23:17	
Methyl Acetate	57	4.2	0.71	.71	05/04/19 23:17	
Methyl tert-Butyl Ether	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Methylcyclohexane	940 E	4.2	0.27	.71	05/04/19 23:17	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	68	4.2	0.47	.71	05/04/19 23:17	
Styrene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
Tetrachloroethene (PCE)	0.20 U	4.2	0.20	.71	05/04/19 23:17	
Toluene	5.0	4.2	0.17	.71	05/04/19 23:17	
Trichloroethene (TCE)	0.19 U	4.2	0.19	.71	05/04/19 23:17	
Trichlorofluoromethane (CFC 11)	0.22 U	4.2	0.22	.71	05/04/19 23:17	
Vinyl Chloride	0.39 U	4.2	0.39	.71	05/04/19 23:17	
cis-1,2-Dichloroethene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
cis-1,3-Dichloropropene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
m,p-Xylenes	460 E	8.4	0.32	.71	05/04/19 23:17	
n-Butylbenzene	110	4.2	0.17	.71	05/04/19 23:17	
n-Propylbenzene	630 E	4.2	0.17	.71	05/04/19 23:17	
o-Xylene	20	4.2	0.17	.71	05/04/19 23:17	
sec-Butylbenzene	86	4.2	0.17	.71	05/04/19 23:17	
tert-Butylbenzene	7.5	4.2	0.17	.71	05/04/19 23:17	
trans-1,2-Dichloroethene	0.17 U	4.2	0.17	.71	05/04/19 23:17	
trans-1,3-Dichloropropene	0.17 U	4.2	0.17	.71	05/04/19 23:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	31 - 154	05/04/19 23:17	
Dibromofluoromethane	94	63 - 138	05/04/19 23:17	
Toluene-d8	121	66 - 138	05/04/19 23:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	20 U	490	20	83	05/08/19 21:37	
1,1,2,2-Tetrachloroethane	20 U	490	20	83	05/08/19 21:37	
1,1,2-Trichloroethane	20 U	490	20	83	05/08/19 21:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	20 U	490	20	83	05/08/19 21:37	
1,1-Dichloroethane (1,1-DCA)	20 U	490	20	83	05/08/19 21:37	
1,1-Dichloroethene (1,1-DCE)	29 U	490	29	83	05/08/19 21:37	
1,2,3-Trichlorobenzene	52 U	490	52	83	05/08/19 21:37	
1,2,4-Trichlorobenzene	42 U	490	42	83	05/08/19 21:37	
1,2,4-Trimethylbenzene	11000 D	490	20	83	05/08/19 21:37	
1,2-Dibromo-3-chloropropane (DBCP)	29 U	490	29	83	05/08/19 21:37	
1,2-Dibromoethane	20 U	490	20	83	05/08/19 21:37	
1,2-Dichlorobenzene	22 DJ	490	20	83	05/08/19 21:37	
1,2-Dichloroethane	20 U	490	20	83	05/08/19 21:37	
1,2-Dichloropropane	20 U	490	20	83	05/08/19 21:37	
1,3,5-Trimethylbenzene	270 DJ	490	20	83	05/08/19 21:37	
1,3-Dichlorobenzene	20 U	490	20	83	05/08/19 21:37	
1,4-Dichlorobenzene	22 U	490	22	83	05/08/19 21:37	
1,4-Dioxane	2000 U	9800	2000	83	05/08/19 21:37	
2-Butanone (MEK)	200 U	490	200	83	05/08/19 21:37	
2-Hexanone	36 U	490	36	83	05/08/19 21:37	
4-Isopropyltoluene	280 DJ	490	20	83	05/08/19 21:37	
4-Methyl-2-pentanone	23 U	490	23	83	05/08/19 21:37	
Acetone	470 U	490	470	83	05/08/19 21:37	
Benzene	470 DJ	490	20	83	05/08/19 21:37	
Bromochloromethane	20 U	490	20	83	05/08/19 21:37	
Bromodichloromethane	20 U	490	20	83	05/08/19 21:37	
Bromoform	50 U	490	50	83	05/08/19 21:37	
Bromomethane	210 U	490	210	83	05/08/19 21:37	
Carbon Disulfide	29 U	490	29	83	05/08/19 21:37	
Carbon Tetrachloride	26 U	490	26	83	05/08/19 21:37	
Chlorobenzene	20 U	490	20	83	05/08/19 21:37	
Chloroethane	20 U	490	20	83	05/08/19 21:37	
Chloroform	20 U	490	20	83	05/08/19 21:37	
Chloromethane	140 U	490	140	83	05/08/19 21:37	
Cyclohexane	1500 D	490	26	83	05/08/19 21:37	
Dibromochloromethane	20 U	490	20	83	05/08/19 21:37	
Dichlorodifluoromethane (CFC 12)	33 U	490	33	83	05/08/19 21:37	
Dichloromethane	280 U	490	280	83	05/08/19 21:37	
Ethylbenzene	1300 D	490	20	83	05/08/19 21:37	
Isopropylbenzene (Cumene)	540 D	490	20	83	05/08/19 21:37	
Methyl Acetate	1900 D	490	83	83	05/08/19 21:37	
Methyl tert-Butyl Ether	20 U	490	20	83	05/08/19 21:37	
Methylcyclohexane	2800 D	490	31	83	05/08/19 21:37	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	520 D	490	55	83	05/08/19 21:37	
Styrene	20 U	490	20	83	05/08/19 21:37	
Tetrachloroethene (PCE)	23 U	490	23	83	05/08/19 21:37	
Toluene	310 DJ	490	20	83	05/08/19 21:37	
Trichloroethene (TCE)	22 U	490	22	83	05/08/19 21:37	
Trichlorofluoromethane (CFC 11)	26 U	490	26	83	05/08/19 21:37	
Vinyl Chloride	46 U	490	46	83	05/08/19 21:37	
cis-1,2-Dichloroethene	20 U	490	20	83	05/08/19 21:37	
cis-1,3-Dichloropropene	20 U	490	20	83	05/08/19 21:37	
m,p-Xylenes	3200 D	980	37	83	05/08/19 21:37	
n-Butylbenzene	600 D	490	20	83	05/08/19 21:37	
n-Propylbenzene	2600 D	490	20	83	05/08/19 21:37	
o-Xylene	200 DJ	490	20	83	05/08/19 21:37	
sec-Butylbenzene	290 DJ	490	20	83	05/08/19 21:37	
tert-Butylbenzene	21 DJ	490	20	83	05/08/19 21:37	
trans-1,2-Dichloroethene	20 U	490	20	83	05/08/19 21:37	
trans-1,3-Dichloropropene	20 U	490	20	83	05/08/19 21:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	31 - 154	05/08/19 21:37	
Dibromofluoromethane	83	63 - 138	05/08/19 21:37	
Toluene-d8	91	66 - 138	05/08/19 21:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23

Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	390 U	9700	390	1620	05/08/19 22:21	
1,1,2,2-Tetrachloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1,2-Trichloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	390 U	9700	390	1620	05/08/19 22:21	
1,1-Dichloroethane (1,1-DCA)	390 U	9700	390	1620	05/08/19 22:21	
1,1-Dichloroethene (1,1-DCE)	570 U	9700	570	1620	05/08/19 22:21	
1,2,3-Trichlorobenzene	1100 U	9700	1100	1620	05/08/19 22:21	
1,2,4-Trichlorobenzene	820 U	9700	820	1620	05/08/19 22:21	
1,2,4-Trimethylbenzene	1200 J	9700	390	1620	05/08/19 22:21	
1,2-Dibromo-3-chloropropane (DBCP)	570 U	9700	570	1620	05/08/19 22:21	
1,2-Dibromoethane	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichloroethane	390 U	9700	390	1620	05/08/19 22:21	
1,2-Dichloropropane	390 U	9700	390	1620	05/08/19 22:21	
1,3,5-Trimethylbenzene	390 U	9700	390	1620	05/08/19 22:21	
1,3-Dichlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
1,4-Dichlorobenzene	430 U	9700	430	1620	05/08/19 22:21	
1,4-Dioxane	39000 U	190000	39000	1620	05/08/19 22:21	
2-Butanone (MEK)	3900 U	9700	3900	1620	05/08/19 22:21	
2-Hexanone	700 U	9700	700	1620	05/08/19 22:21	
4-Isopropyltoluene	820 J	9700	390	1620	05/08/19 22:21	
4-Methyl-2-pentanone	450 U	9700	450	1620	05/08/19 22:21	
Acetone	9200 U	9700	9200	1620	05/08/19 22:21	
Benzene	390 U	9700	390	1620	05/08/19 22:21	
Bromochloromethane	390 U	9700	390	1620	05/08/19 22:21	
Bromodichloromethane	390 U	9700	390	1620	05/08/19 22:21	
Bromoform	980 U	9700	980	1620	05/08/19 22:21	
Bromomethane	4100 U	9700	4100	1620	05/08/19 22:21	
Carbon Disulfide	570 U	9700	570	1620	05/08/19 22:21	
Carbon Tetrachloride	510 U	9700	510	1620	05/08/19 22:21	
Chlorobenzene	390 U	9700	390	1620	05/08/19 22:21	
Chloroethane	980 J	9700	390	1620	05/08/19 22:21	
Chloroform	390 U	9700	390	1620	05/08/19 22:21	
Chloromethane	2800 U	9700	2800	1620	05/08/19 22:21	
Cyclohexane	29000	9700	510	1620	05/08/19 22:21	
Dibromochloromethane	390 U	9700	390	1620	05/08/19 22:21	
Dichlorodifluoromethane (CFC 12)	650 U	9700	650	1620	05/08/19 22:21	
Dichloromethane	5500 U	9700	5500	1620	05/08/19 22:21	
Ethylbenzene	4500 J	9700	390	1620	05/08/19 22:21	
Isopropylbenzene (Cumene)	17000	9700	390	1620	05/08/19 22:21	
Methyl Acetate	4500 J	9700	1700	1620	05/08/19 22:21	
Methyl tert-Butyl Ether	390 U	9700	390	1620	05/08/19 22:21	
Methylcyclohexane	100000	9700	610	1620	05/08/19 22:21	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23

Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Units: ug/Kg
Basis: Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5035A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	49000	9700	1100	1620	05/08/19 22:21	
Styrene	390 U	9700	390	1620	05/08/19 22:21	
Tetrachloroethene (PCE)	450 U	9700	450	1620	05/08/19 22:21	
Toluene	390 U	9700	390	1620	05/08/19 22:21	
Trichloroethene (TCE)	430 U	9700	430	1620	05/08/19 22:21	
Trichlorofluoromethane (CFC 11)	510 U	9700	510	1620	05/08/19 22:21	
Vinyl Chloride	900 U	9700	900	1620	05/08/19 22:21	
cis-1,2-Dichloroethene	390 U	9700	390	1620	05/08/19 22:21	
cis-1,3-Dichloropropene	390 U	9700	390	1620	05/08/19 22:21	
m,p-Xylenes	720 U	19000	720	1620	05/08/19 22:21	
n-Butylbenzene	36000	9700	390	1620	05/08/19 22:21	
n-Propylbenzene	76000	9700	390	1620	05/08/19 22:21	
o-Xylene	390 U	9700	390	1620	05/08/19 22:21	
sec-Butylbenzene	10000	9700	390	1620	05/08/19 22:21	
tert-Butylbenzene	930 J	9700	390	1620	05/08/19 22:21	
trans-1,2-Dichloroethene	390 U	9700	390	1620	05/08/19 22:21	
trans-1,3-Dichloropropene	390 U	9700	390	1620	05/08/19 22:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	31 - 154	05/08/19 22:21	
Dibromofluoromethane	86	63 - 138	05/08/19 22:21	
Toluene-d8	91	66 - 138	05/08/19 22:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:00
Date Received: 05/02/19 16:23

Sample Name: TMW-01-24
Lab Code: R1903954-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/07/19 16:09	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/07/19 16:09	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/07/19 16:09	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/07/19 16:09	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
1,4-Dioxane	13 U	100	13	1	05/07/19 16:09	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/07/19 16:09	
2-Hexanone	0.20 U	10	0.20	1	05/07/19 16:09	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/07/19 16:09	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/07/19 16:09	
Acetone	2.8 J	10	2.1	1	05/07/19 16:09	
Benzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Bromochloromethane	0.24 U	5.0	0.24	1	05/07/19 16:09	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/07/19 16:09	
Bromoform	0.25 U	5.0	0.25	1	05/07/19 16:09	
Bromomethane	0.70 U	5.0	0.70	1	05/07/19 16:09	
Carbon Disulfide	0.25 U	10	0.25	1	05/07/19 16:09	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/07/19 16:09	
Chlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Chloroethane	0.23 U	5.0	0.23	1	05/07/19 16:09	
Chloroform	0.24 U	5.0	0.24	1	05/07/19 16:09	
Chloromethane	0.28 U	5.0	0.28	1	05/07/19 16:09	
Cyclohexane	0.26 U	10	0.26	1	05/07/19 16:09	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/07/19 16:09	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/07/19 16:09	
Dichloromethane	0.36 U	5.0	0.36	1	05/07/19 16:09	
Ethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/07/19 16:09	
Methyl Acetate	0.33 U	10	0.33	1	05/07/19 16:09	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/07/19 16:09	
Methylcyclohexane	0.20 U	10	0.20	1	05/07/19 16:09	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:00
Date Received: 05/02/19 16:23

Sample Name: TMW-01-24
Lab Code: R1903954-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/07/19 16:09	
Styrene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/07/19 16:09	
Toluene	0.20 U	5.0	0.20	1	05/07/19 16:09	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/07/19 16:09	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/07/19 16:09	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/07/19 16:09	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/07/19 16:09	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/07/19 16:09	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/07/19 16:09	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:09	
o-Xylene	0.20 U	5.0	0.20	1	05/07/19 16:09	
sec-Butylbenzene	0.33 J	5.0	0.20	1	05/07/19 16:09	
tert-Butylbenzene	0.73 J	5.0	0.20	1	05/07/19 16:09	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/07/19 16:09	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/07/19 16:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/07/19 16:09	
Dibromofluoromethane	98	89 - 119	05/07/19 16:09	
Toluene-d8	101	87 - 121	05/07/19 16:09	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:15
Date Received: 05/02/19 16:23

Sample Name: TMW-02-24
Lab Code: R1903954-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.42 U	10	0.42	2	05/07/19 16:53	
1,1,2,2-Tetrachloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1,2-Trichloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,1-Dichloroethane (1,1-DCA)	0.40 U	10	0.40	2	05/07/19 16:53	
1,1-Dichloroethene (1,1-DCE)	0.50 U	10	0.50	2	05/07/19 16:53	
1,2,3-Trichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,2,4-Trichlorobenzene	0.50 U	10	0.50	2	05/07/19 16:53	
1,2,4-Trimethylbenzene	1.5 J	10	0.40	2	05/07/19 16:53	
1,2-Dibromo-3-chloropropane (DBCP)	0.90 U	10	0.90	2	05/07/19 16:53	
1,2-Dibromoethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichloroethane	0.40 U	10	0.40	2	05/07/19 16:53	
1,2-Dichloropropane	0.40 U	10	0.40	2	05/07/19 16:53	
1,3,5-Trimethylbenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,3-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,4-Dichlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
1,4-Dioxane	26 U	200	26	2	05/07/19 16:53	
2-Butanone (MEK)	2.8 J	20	1.6	2	05/07/19 16:53	
2-Hexanone	0.40 U	20	0.40	2	05/07/19 16:53	
4-Isopropyltoluene	1.6 J	10	0.40	2	05/07/19 16:53	
4-Methyl-2-pentanone	0.40 U	20	0.40	2	05/07/19 16:53	
Acetone	11 J	20	4.2	2	05/07/19 16:53	
Benzene	1.2 J	10	0.40	2	05/07/19 16:53	
Bromochloromethane	0.48 U	10	0.48	2	05/07/19 16:53	
Bromodichloromethane	0.44 U	10	0.44	2	05/07/19 16:53	
Bromoform	0.50 U	10	0.50	2	05/07/19 16:53	
Bromomethane	1.4 U	10	1.4	2	05/07/19 16:53	
Carbon Disulfide	0.50 U	20	0.50	2	05/07/19 16:53	
Carbon Tetrachloride	0.68 U	10	0.68	2	05/07/19 16:53	
Chlorobenzene	0.40 U	10	0.40	2	05/07/19 16:53	
Chloroethane	0.46 U	10	0.46	2	05/07/19 16:53	
Chloroform	0.48 U	10	0.48	2	05/07/19 16:53	
Chloromethane	0.56 U	10	0.56	2	05/07/19 16:53	
Cyclohexane	61	20	0.52	2	05/07/19 16:53	
Dibromochloromethane	0.40 U	10	0.40	2	05/07/19 16:53	
Dichlorodifluoromethane (CFC 12)	0.42 U	10	0.42	2	05/07/19 16:53	
Dichloromethane	0.72 U	10	0.72	2	05/07/19 16:53	
Ethylbenzene	1.4 J	10	0.40	2	05/07/19 16:53	
Isopropylbenzene (Cumene)	25	10	0.40	2	05/07/19 16:53	
Methyl Acetate	0.66 U	20	0.66	2	05/07/19 16:53	
Methyl tert-Butyl Ether	0.40 U	10	0.40	2	05/07/19 16:53	
Methylcyclohexane	180	20	0.40	2	05/07/19 16:53	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:15
Date Received: 05/02/19 16:23

Sample Name: TMW-02-24
Lab Code: R1903954-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	56	10	0.48	2	05/07/19 16:53	
Styrene	0.40 U	10	0.40	2	05/07/19 16:53	
Tetrachloroethene (PCE)	0.42 U	10	0.42	2	05/07/19 16:53	
Toluene	0.75 J	10	0.40	2	05/07/19 16:53	
Trichloroethene (TCE)	0.40 U	10	0.40	2	05/07/19 16:53	
Trichlorofluoromethane (CFC 11)	0.48 U	10	0.48	2	05/07/19 16:53	
Vinyl Chloride	0.40 U	10	0.40	2	05/07/19 16:53	
cis-1,2-Dichloroethene	0.46 U	10	0.46	2	05/07/19 16:53	
cis-1,3-Dichloropropene	0.40 U	10	0.40	2	05/07/19 16:53	
m,p-Xylenes	1.1 J	10	0.40	2	05/07/19 16:53	
n-Butylbenzene	13	10	0.40	2	05/07/19 16:53	
n-Propylbenzene	46	10	0.40	2	05/07/19 16:53	
o-Xylene	0.73 J	10	0.40	2	05/07/19 16:53	
sec-Butylbenzene	6.7 J	10	0.40	2	05/07/19 16:53	
tert-Butylbenzene	1.9 J	10	0.40	2	05/07/19 16:53	
trans-1,2-Dichloroethene	0.40 U	10	0.40	2	05/07/19 16:53	
trans-1,3-Dichloropropene	0.46 U	10	0.46	2	05/07/19 16:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/07/19 16:53	
Dibromofluoromethane	98	89 - 119	05/07/19 16:53	
Toluene-d8	102	87 - 121	05/07/19 16:53	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:40
Date Received: 05/02/19 16:23

Sample Name: TMW-04-24
Lab Code: R1903954-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/06/19 18:47	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/06/19 18:47	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/06/19 18:47	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/06/19 18:47	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
1,4-Dioxane	13 U	100	13	1	05/06/19 18:47	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/06/19 18:47	
2-Hexanone	0.20 U	10	0.20	1	05/06/19 18:47	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/06/19 18:47	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/06/19 18:47	
Acetone	2.1 U	10	2.1	1	05/06/19 18:47	
Benzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Bromochloromethane	0.24 U	5.0	0.24	1	05/06/19 18:47	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/06/19 18:47	
Bromoform	0.25 U	5.0	0.25	1	05/06/19 18:47	
Bromomethane	0.70 U	5.0	0.70	1	05/06/19 18:47	
Carbon Disulfide	0.25 U	10	0.25	1	05/06/19 18:47	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/06/19 18:47	
Chlorobenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Chloroethane	0.23 U	5.0	0.23	1	05/06/19 18:47	
Chloroform	0.24 U	5.0	0.24	1	05/06/19 18:47	
Chloromethane	0.28 U	5.0	0.28	1	05/06/19 18:47	
Cyclohexane	0.26 U	10	0.26	1	05/06/19 18:47	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/06/19 18:47	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/06/19 18:47	
Dichloromethane	0.36 U	5.0	0.36	1	05/06/19 18:47	
Ethylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	05/06/19 18:47	
Methyl Acetate	0.33 U	10	0.33	1	05/06/19 18:47	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/06/19 18:47	
Methylcyclohexane	0.20 U	10	0.20	1	05/06/19 18:47	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 12:40
Date Received: 05/02/19 16:23

Sample Name: TMW-04-24
Lab Code: R1903954-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/06/19 18:47	
Styrene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/06/19 18:47	
Toluene	0.20 U	5.0	0.20	1	05/06/19 18:47	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/06/19 18:47	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/06/19 18:47	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/06/19 18:47	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/06/19 18:47	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/06/19 18:47	
m,p-Xylenes	0.20 U	5.0	0.20	1	05/06/19 18:47	
n-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
n-Propylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
o-Xylene	0.20 U	5.0	0.20	1	05/06/19 18:47	
sec-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
tert-Butylbenzene	0.20 U	5.0	0.20	1	05/06/19 18:47	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/06/19 18:47	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/06/19 18:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/06/19 18:47	
Dibromofluoromethane	99	89 - 119	05/06/19 18:47	
Toluene-d8	100	87 - 121	05/06/19 18:47	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:05
Date Received: 05/02/19 16:23

Sample Name: TMW-06-24
Lab Code: R1903954-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.21 U	5.0	0.21	1	05/07/19 16:31	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,1-Dichloroethene (1,1-DCE)	0.25 U	5.0	0.25	1	05/07/19 16:31	
1,2,3-Trichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2,4-Trichlorobenzene	0.25 U	5.0	0.25	1	05/07/19 16:31	
1,2,4-Trimethylbenzene	1.7 J	5.0	0.20	1	05/07/19 16:31	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	05/07/19 16:31	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
1,4-Dioxane	13 U	100	13	1	05/07/19 16:31	
2-Butanone (MEK)	0.78 U	10	0.78	1	05/07/19 16:31	
2-Hexanone	0.20 U	10	0.20	1	05/07/19 16:31	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	05/07/19 16:31	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	05/07/19 16:31	
Acetone	3.8 J	10	2.1	1	05/07/19 16:31	
Benzene	1.4 J	5.0	0.20	1	05/07/19 16:31	
Bromochloromethane	0.24 U	5.0	0.24	1	05/07/19 16:31	
Bromodichloromethane	0.22 U	5.0	0.22	1	05/07/19 16:31	
Bromoform	0.25 U	5.0	0.25	1	05/07/19 16:31	
Bromomethane	0.70 U	5.0	0.70	1	05/07/19 16:31	
Carbon Disulfide	0.25 U	10	0.25	1	05/07/19 16:31	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	05/07/19 16:31	
Chlorobenzene	0.20 U	5.0	0.20	1	05/07/19 16:31	
Chloroethane	0.23 U	5.0	0.23	1	05/07/19 16:31	
Chloroform	0.24 U	5.0	0.24	1	05/07/19 16:31	
Chloromethane	0.28 U	5.0	0.28	1	05/07/19 16:31	
Cyclohexane	2.3 J	10	0.26	1	05/07/19 16:31	
Dibromochloromethane	0.20 U	5.0	0.20	1	05/07/19 16:31	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	05/07/19 16:31	
Dichloromethane	0.36 U	5.0	0.36	1	05/07/19 16:31	
Ethylbenzene	0.55 J	5.0	0.20	1	05/07/19 16:31	
Isopropylbenzene (Cumene)	2.5 J	5.0	0.20	1	05/07/19 16:31	
Methyl Acetate	0.33 U	10	0.33	1	05/07/19 16:31	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	05/07/19 16:31	
Methylcyclohexane	5.1 J	10	0.20	1	05/07/19 16:31	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:05
Date Received: 05/02/19 16:23

Sample Name: TMW-06-24
Lab Code: R1903954-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	0.24 U	5.0	0.24	1	05/07/19 16:31	
Styrene	0.20 U	5.0	0.20	1	05/07/19 16:31	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	05/07/19 16:31	
Toluene	0.48 J	5.0	0.20	1	05/07/19 16:31	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	05/07/19 16:31	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	05/07/19 16:31	
Vinyl Chloride	0.20 U	5.0	0.20	1	05/07/19 16:31	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	05/07/19 16:31	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	05/07/19 16:31	
m,p-Xylenes	1.2 J	5.0	0.20	1	05/07/19 16:31	
n-Butylbenzene	0.92 J	5.0	0.20	1	05/07/19 16:31	
n-Propylbenzene	4.9 J	5.0	0.20	1	05/07/19 16:31	
o-Xylene	0.39 J	5.0	0.20	1	05/07/19 16:31	
sec-Butylbenzene	2.0 J	5.0	0.20	1	05/07/19 16:31	
tert-Butylbenzene	0.48 J	5.0	0.20	1	05/07/19 16:31	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	05/07/19 16:31	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	05/07/19 16:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/07/19 16:31	
Dibromofluoromethane	99	89 - 119	05/07/19 16:31	
Toluene-d8	102	87 - 121	05/07/19 16:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:15
Date Received: 05/02/19 16:23

Sample Name: TMW-08-24
Lab Code: R1903954-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	1.1 U	25	1.1	5	05/08/19 14:43	
1,1,2,2-Tetrachloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1,2-Trichloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,1-Dichloroethane (1,1-DCA)	1.0 U	25	1.0	5	05/08/19 14:43	
1,1-Dichloroethene (1,1-DCE)	1.3 U	25	1.3	5	05/08/19 14:43	
1,2,3-Trichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,2,4-Trichlorobenzene	1.3 U	25	1.3	5	05/08/19 14:43	
1,2,4-Trimethylbenzene	12 J	25	1.0	5	05/08/19 14:43	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	25	2.3	5	05/08/19 14:43	
1,2-Dibromoethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichloroethane	1.0 U	25	1.0	5	05/08/19 14:43	
1,2-Dichloropropane	1.0 U	25	1.0	5	05/08/19 14:43	
1,3,5-Trimethylbenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,3-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,4-Dichlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
1,4-Dioxane	65 U	500	65	5	05/08/19 14:43	
2-Butanone (MEK)	18 J	50	3.9	5	05/08/19 14:43	
2-Hexanone	2.9 J	50	1.0	5	05/08/19 14:43	
4-Isopropyltoluene	2.6 J	25	1.0	5	05/08/19 14:43	
4-Methyl-2-pentanone	1.8 J	50	1.0	5	05/08/19 14:43	
Acetone	60	50	11	5	05/08/19 14:43	
Benzene	1.6 J	25	1.0	5	05/08/19 14:43	
Bromochloromethane	1.2 U	25	1.2	5	05/08/19 14:43	
Bromodichloromethane	1.1 U	25	1.1	5	05/08/19 14:43	
Bromoform	1.3 U	25	1.3	5	05/08/19 14:43	
Bromomethane	3.5 U	25	3.5	5	05/08/19 14:43	
Carbon Disulfide	1.3 U	50	1.3	5	05/08/19 14:43	
Carbon Tetrachloride	1.7 U	25	1.7	5	05/08/19 14:43	
Chlorobenzene	1.0 U	25	1.0	5	05/08/19 14:43	
Chloroethane	1.2 U	25	1.2	5	05/08/19 14:43	
Chloroform	1.2 U	25	1.2	5	05/08/19 14:43	
Chloromethane	1.4 U	25	1.4	5	05/08/19 14:43	
Cyclohexane	72	50	1.3	5	05/08/19 14:43	
Dibromochloromethane	1.0 U	25	1.0	5	05/08/19 14:43	
Dichlorodifluoromethane (CFC 12)	1.1 U	25	1.1	5	05/08/19 14:43	
Dichloromethane	1.8 U	25	1.8	5	05/08/19 14:43	
Ethylbenzene	67	25	1.0	5	05/08/19 14:43	
Isopropylbenzene (Cumene)	130	25	1.0	5	05/08/19 14:43	
Methyl Acetate	1.7 U	50	1.7	5	05/08/19 14:43	
Methyl tert-Butyl Ether	1.0 U	25	1.0	5	05/08/19 14:43	
Methylcyclohexane	240	50	1.0	5	05/08/19 14:43	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903954
Date Collected: 05/01/19 13:15
Date Received: 05/02/19 16:23

Sample Name: TMW-08-24
Lab Code: R1903954-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Naphthalene	650	25	1.2	5	05/08/19 14:43	
Styrene	1.0 U	25	1.0	5	05/08/19 14:43	
Tetrachloroethene (PCE)	1.1 U	25	1.1	5	05/08/19 14:43	
Toluene	1.2 J	25	1.0	5	05/08/19 14:43	
Trichloroethene (TCE)	1.0 U	25	1.0	5	05/08/19 14:43	
Trichlorofluoromethane (CFC 11)	1.2 U	25	1.2	5	05/08/19 14:43	
Vinyl Chloride	1.0 U	25	1.0	5	05/08/19 14:43	
cis-1,2-Dichloroethene	1.2 U	25	1.2	5	05/08/19 14:43	
cis-1,3-Dichloropropene	1.0 U	25	1.0	5	05/08/19 14:43	
m,p-Xylenes	3.6 J	25	1.0	5	05/08/19 14:43	
n-Butylbenzene	81	25	1.0	5	05/08/19 14:43	
n-Propylbenzene	440	25	1.0	5	05/08/19 14:43	
o-Xylene	1.3 J	25	1.0	5	05/08/19 14:43	
sec-Butylbenzene	27	25	1.0	5	05/08/19 14:43	
tert-Butylbenzene	3.6 J	25	1.0	5	05/08/19 14:43	
trans-1,2-Dichloroethene	1.0 U	25	1.0	5	05/08/19 14:43	
trans-1,3-Dichloropropene	1.2 U	25	1.2	5	05/08/19 14:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/08/19 14:43	
Dibromofluoromethane	96	89 - 119	05/08/19 14:43	
Toluene-d8	99	87 - 121	05/08/19 14:43	

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0989.D
 Acq On : 10 May 2019 4:23 pm
 Operator : D.LIPANI
 Sample : R1903954-002|78 Inst : MSVOA10
 Misc : Day 19396 T4
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 12 13:46:41 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

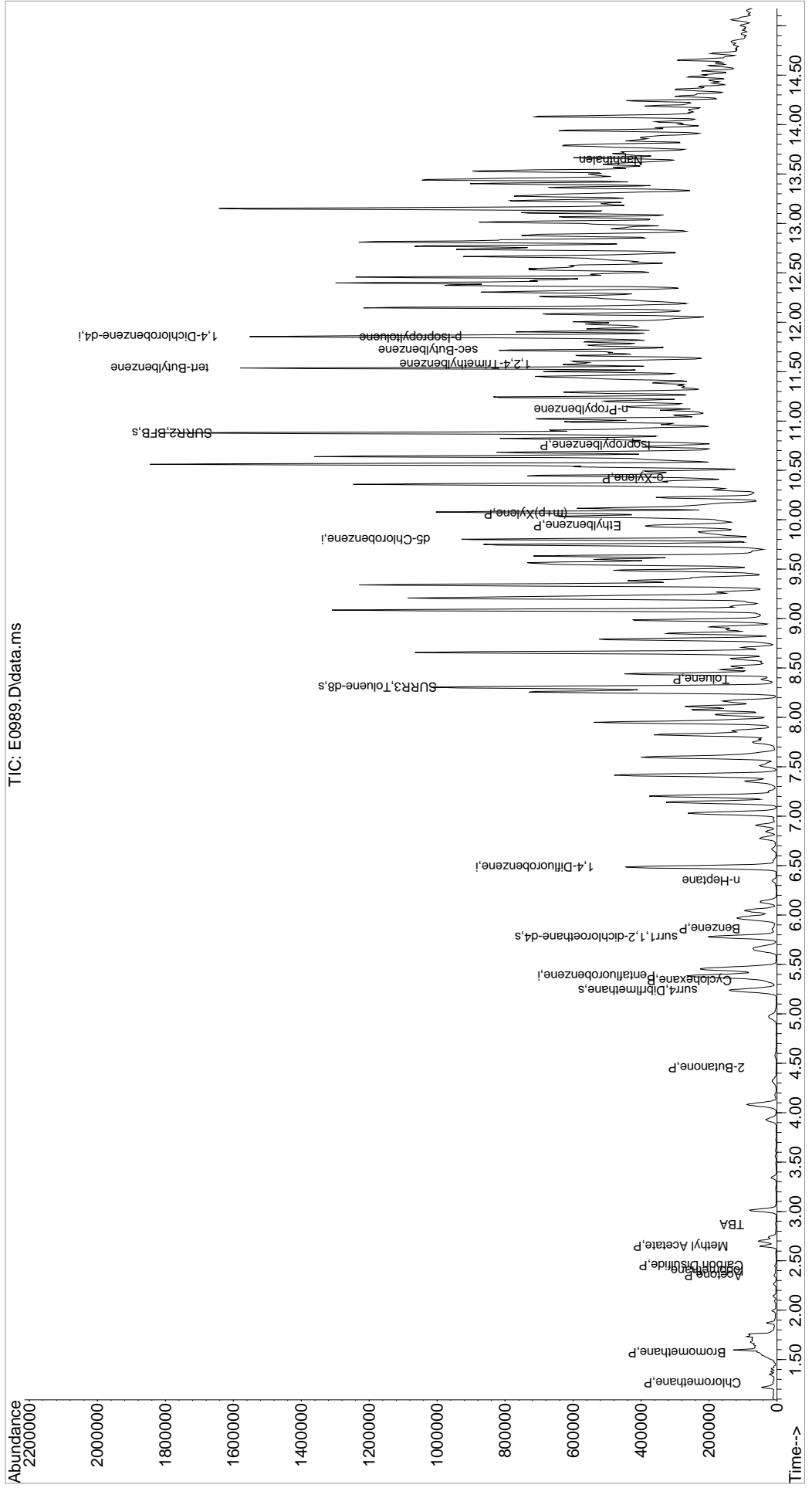
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	238459	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	376085	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	337026	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	190495	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	117145	47.55	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	95.10%		
46) surr1,1,2-dichloroetha...	5.775	65	171697	49.42	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	98.84%		
64) SURR3,Toluene-d8	8.311	98	511816	50.20	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	100.40%		
69) SURR2,BFB	10.878	95	210212	53.28	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	106.56%		
Target Compounds						
						Qvalue
3) Chloromethane	1.270	50	1381	0.30	ug/L	95
5) Bromomethane	1.575	94	3204	0.57	ug/L	83
15) Acetone	2.349	43	4047	2.39	ug/L	92
17) Iodomethane	2.398	142	575	1.63	ug/L	92
18) Carbon Disulfide	2.452	76	3576	0.47	ug/L	97
21) Methyl Acetate	2.648	43	57525	16.24	ug/L	99
23) TBA	2.867	59	1169	2.21	ug/L	73
34) 2-Butanone	4.452	43	1411	0.65	ug/L	95
42) Cyclohexane	5.336	41	12073	3.59	ug/L	88
47) Benzene	5.860	78	11662	1.01	ug/L	95
51) n-Heptane	6.348	43	6947	1.62	ug/L	90
65) Toluene	8.384	91	17754	1.46	ug/L	92
81) Ethylbenzene	9.945	106	8394	2.11	ug/L #	86
82) (m+p)Xylene	10.061	106	21719	4.24	ug/L #	79
83) o-Xylene	10.420	106	2471	0.50	ug/L #	77
87) Isopropylbenzene	10.756	105	16697	1.29	ug/L	99
94) n-Propylbenzene	11.109	91	82038	4.86	ug/L	97
99) tert-Butylbenzene	11.536	119	3562	0.37	ug/L	94
100) 1,2,4-Trimethylbenzene	11.573	105	49379	4.30	ug/L	98
102) sec-Butylbenzene	11.719	105	47674	3.23	ug/L	99
103) p-Isopropyltoluene	11.841	119	55808	4.64	ug/L	100
116) Naphthalen	13.639	128	27703	2.18	ug/L	98

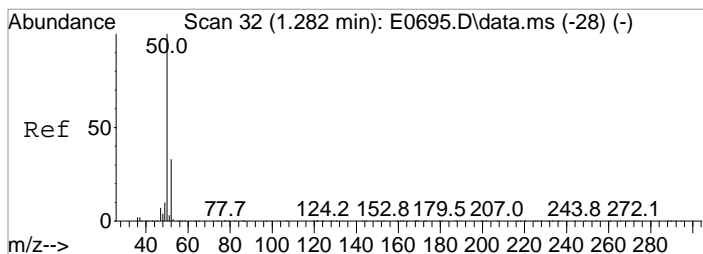
high NT's!

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

Data Path : I:\ACQDATA\msvoa10\data\051019\
 Data File : E0989.D
 Acq On : 10 May 2019 4:23 pm
 Operator : D.LIPANI
 Sample : R1903954-002|78
 Misc : Day 19396 T4
 ALS Vial : 20 Sample Multiplier: 1
 Inst : MSVOA10

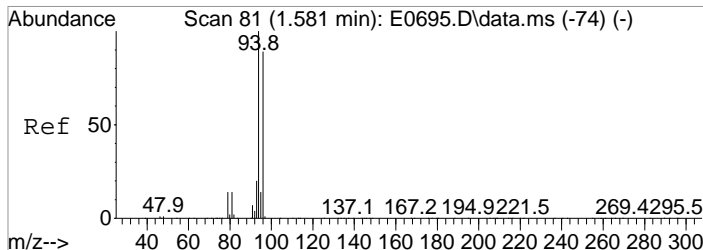
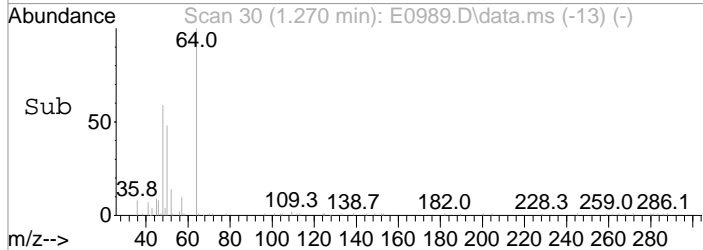
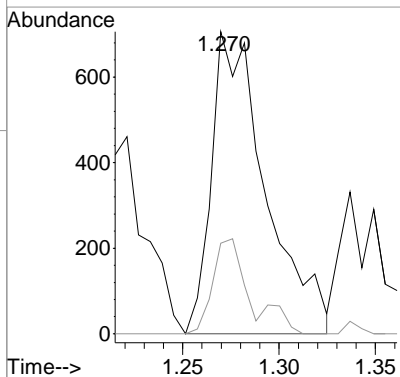
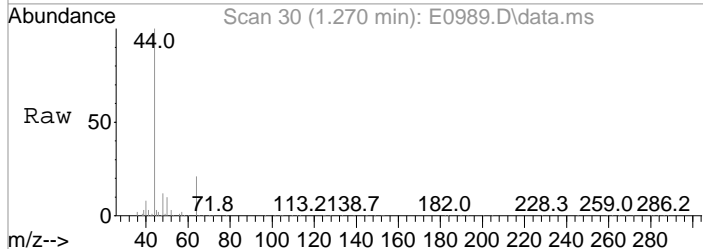
Quant Time: May 12 13:46:41 2019
 Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration





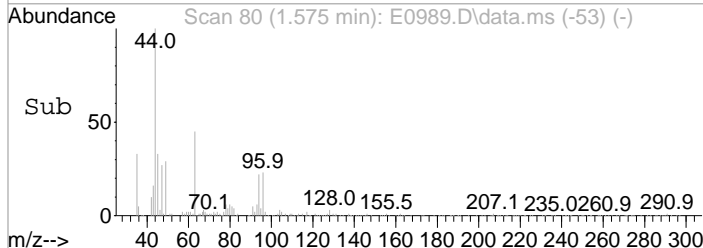
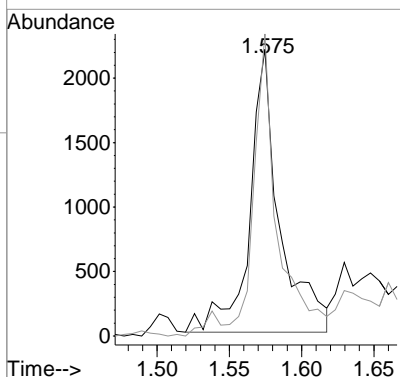
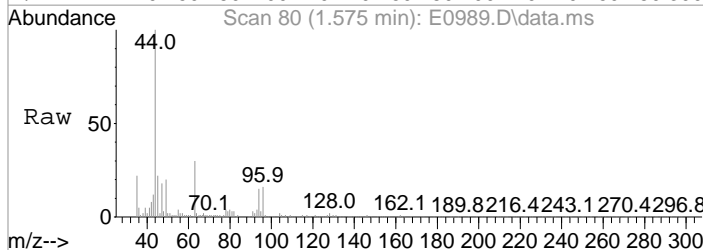
#3
 Chloromethane
 Concen: 0.30 ug/L
 RT: 1.270 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

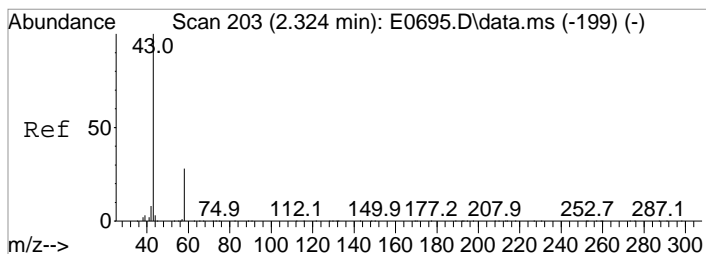
Tgt Ion	Resp	Lower	Upper
50	1381		
52	30.0	12.6	52.6



#5
 Bromomethane
 Concen: 0.57 ug/L
 RT: 1.575 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

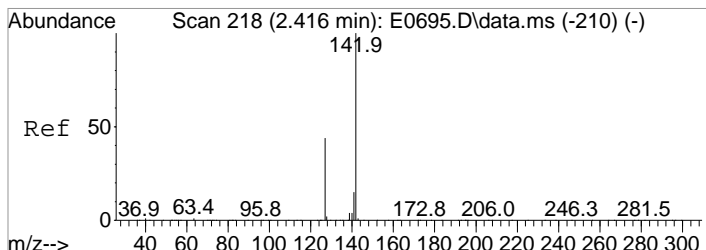
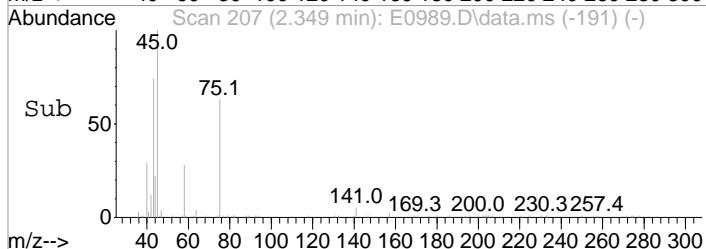
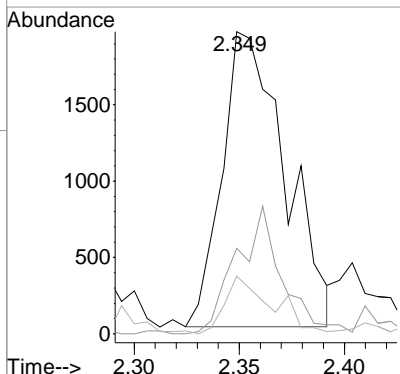
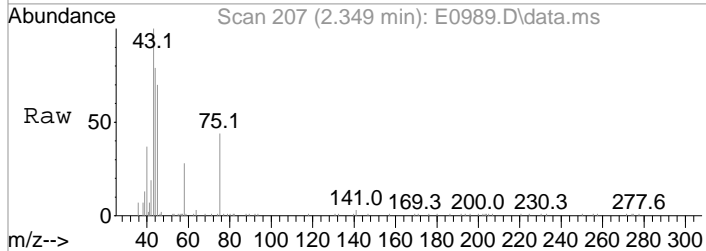
Tgt Ion	Resp	Lower	Upper
94	3204		
96	105.4	69.0	109.0





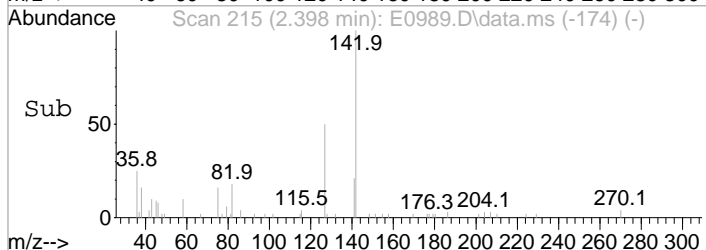
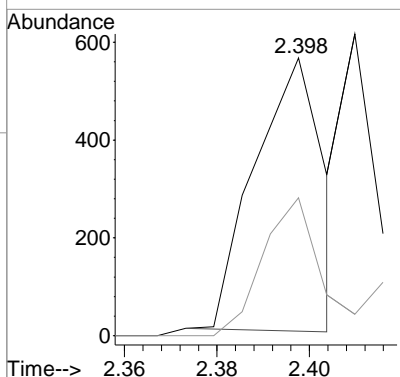
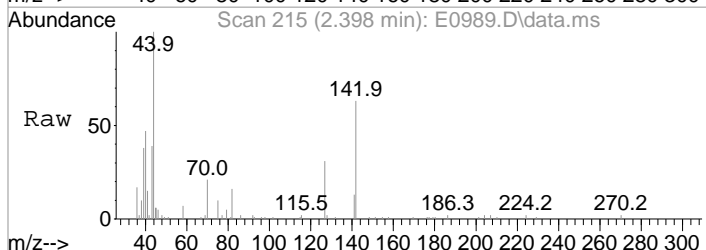
#15
 Acetone
 Concen: 2.39 ug/L
 RT: 2.349 min Scan# 207
 Delta R.T. 0.024 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

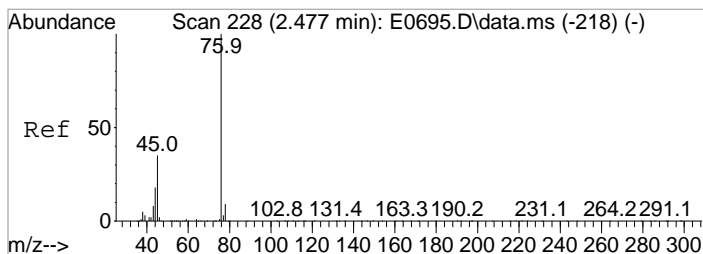
Tgt Ion	Resp	Lower	Upper
43	100		
58	28.3	7.8	47.8
42	19.1	0.0	27.8



#17
 Iodomethane
 Concen: 1.63 ug/L
 RT: 2.398 min Scan# 215
 Delta R.T. -0.011 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

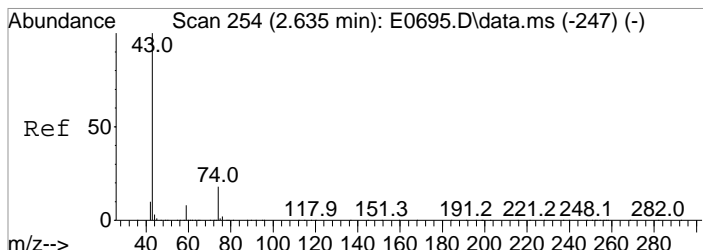
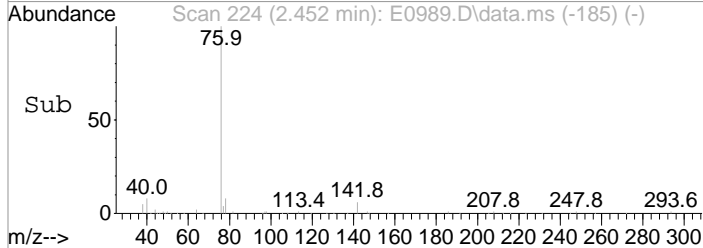
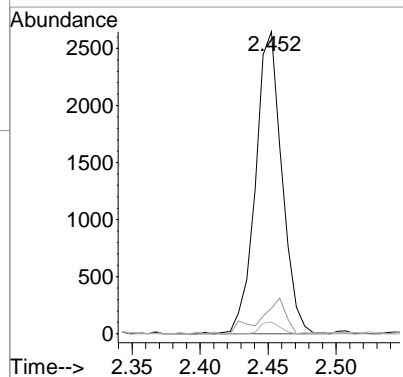
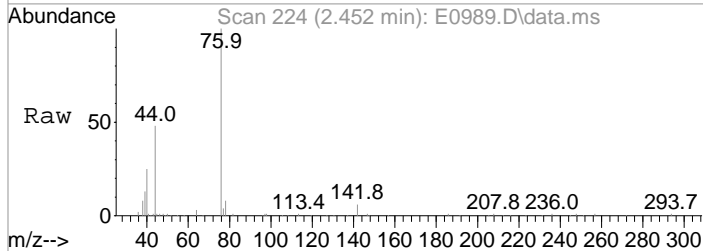
Tgt Ion	Resp	Lower	Upper
142	100		
127	49.6	24.4	64.4





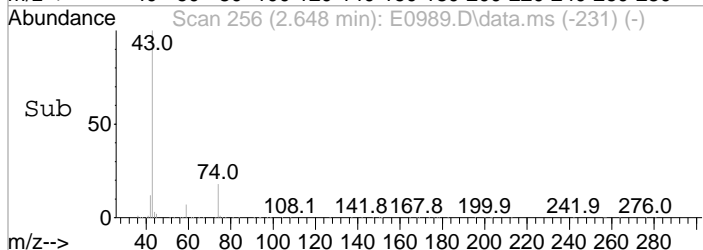
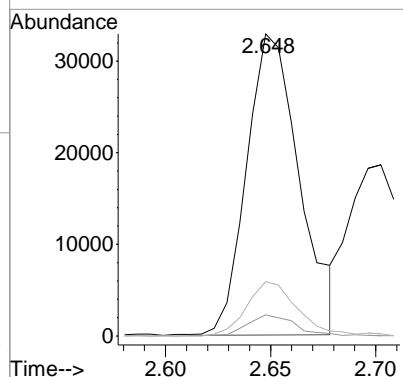
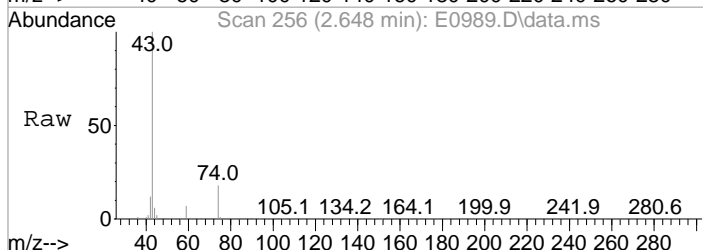
#18
 Carbon Disulfide
 Concen: 0.47 ug/L
 RT: 2.452 min Scan# 224
 Delta R.T. -0.018 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

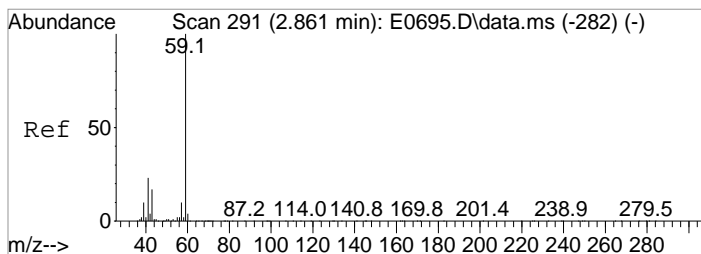
Tgt Ion	Resp	Lower	Upper
76	3576		
76	100		
78	8.4	0.0	29.5
77	3.9	0.0	22.7



#21
 Methyl Acetate
 Concen: 16.24 ug/L
 RT: 2.648 min Scan# 256
 Delta R.T. 0.012 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

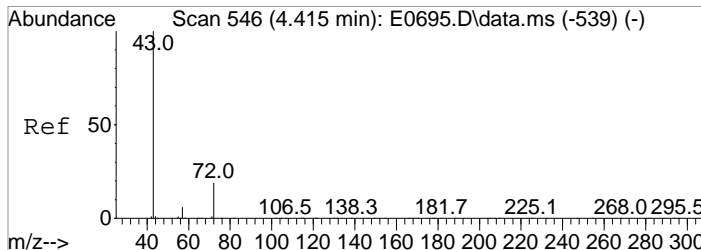
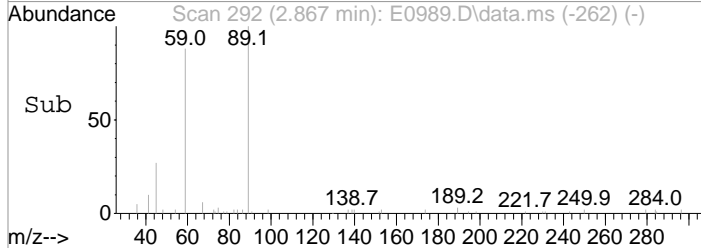
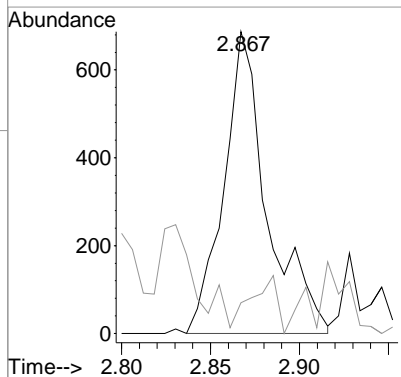
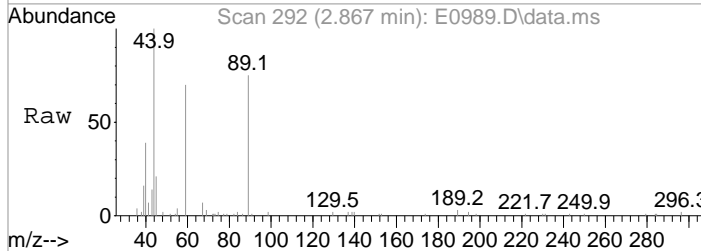
Tgt Ion	Resp	Lower	Upper
43	57525		
43	100		
59	6.9	0.0	27.9
74	17.9	0.0	37.6





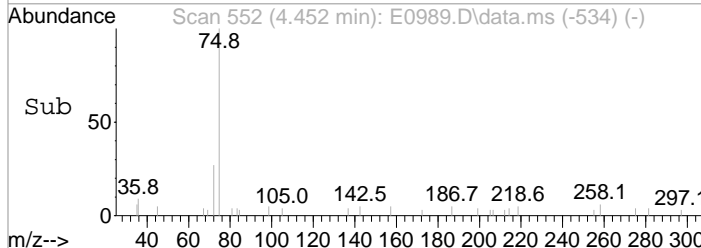
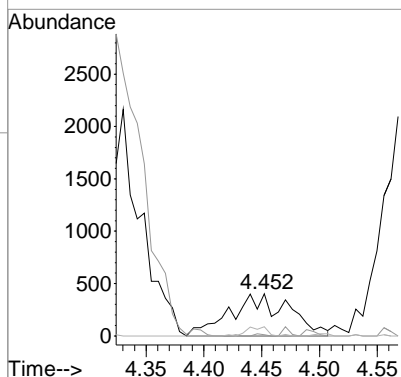
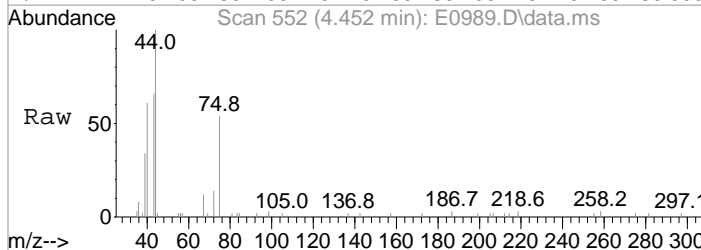
#23
 TBA
 Concen: 2.21 ug/L
 RT: 2.867 min Scan# 292
 Delta R.T. -0.006 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

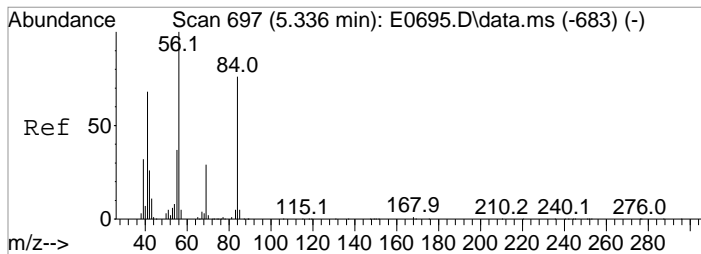
Tgt Ion: 59 Resp: 1169
 Ion Ratio Lower Upper
 59 100
 41 10.2 3.1 43.1



#34
 2-Butanone
 Concen: 0.65 ug/L
 RT: 4.452 min Scan# 552
 Delta R.T. 0.037 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

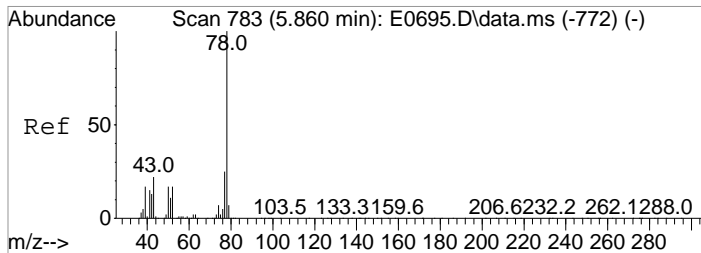
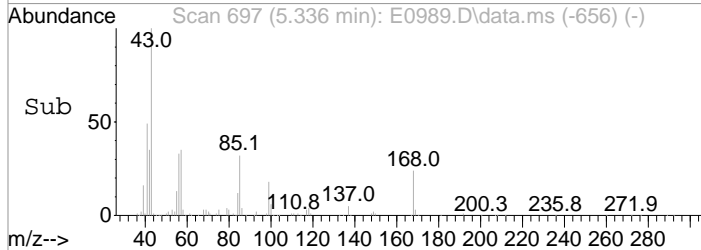
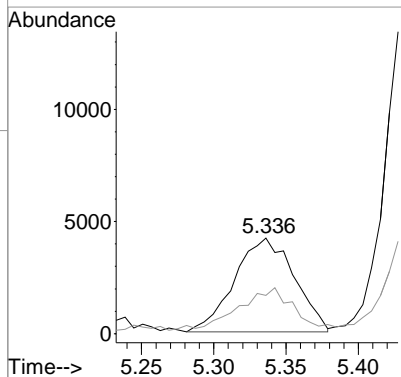
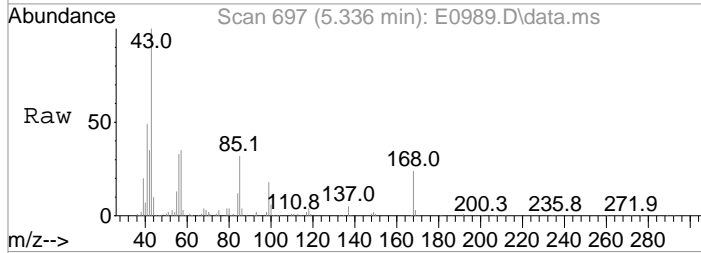
Tgt Ion: 43 Resp: 1411
 Ion Ratio Lower Upper
 43 100
 57 3.0 0.0 25.7
 72 21.9 0.0 40.0





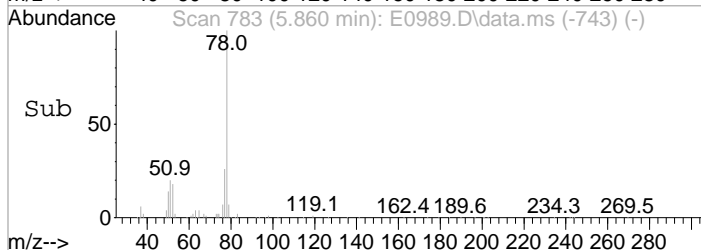
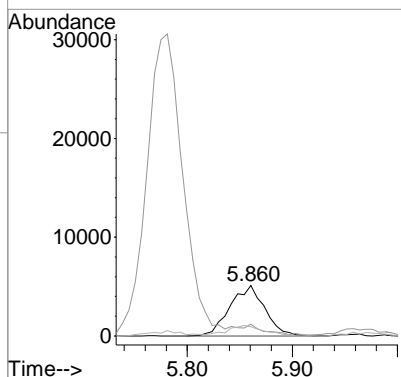
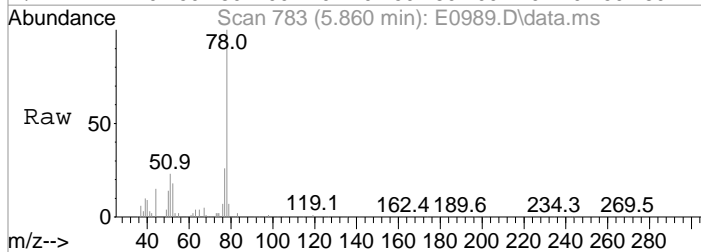
#42
 Cyclohexane
 Concen: 3.59 ug/L
 RT: 5.336 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

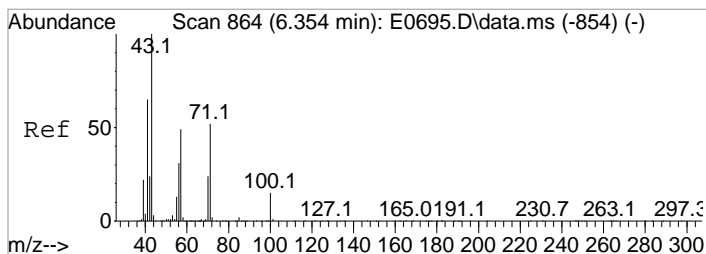
Tgt Ion	Resp	Lower	Upper
41	12073		
41	100		
39	39.9	28.2	68.2



#47
 Benzene
 Concen: 1.01 ug/L
 RT: 5.860 min Scan# 783
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

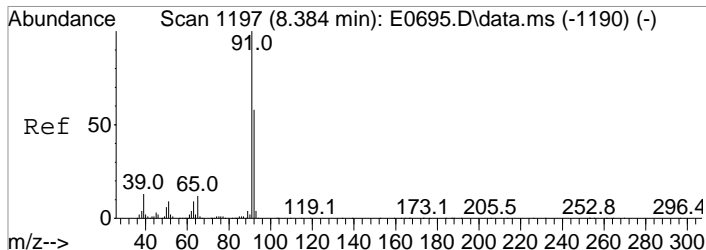
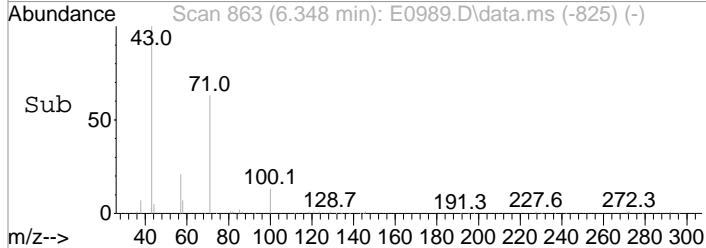
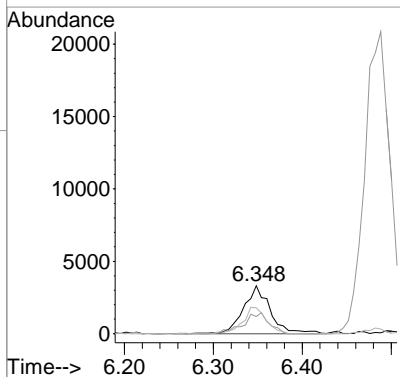
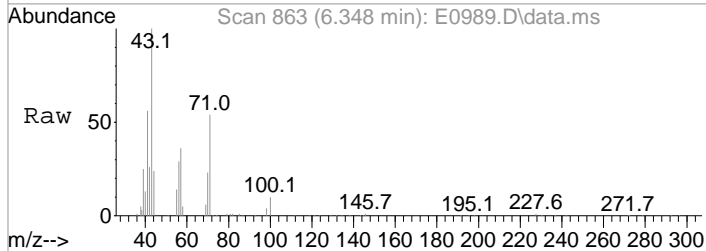
Tgt Ion	Resp	Lower	Upper
78	11662		
78	100		
51	23.2	0.0	39.7
52	18.0	0.0	37.1





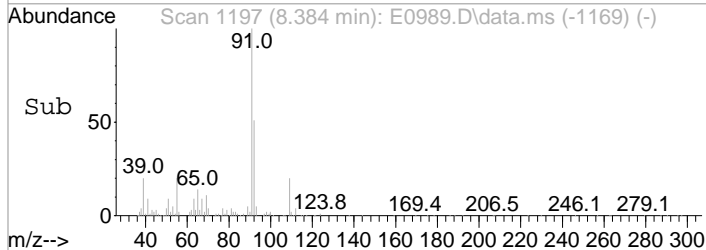
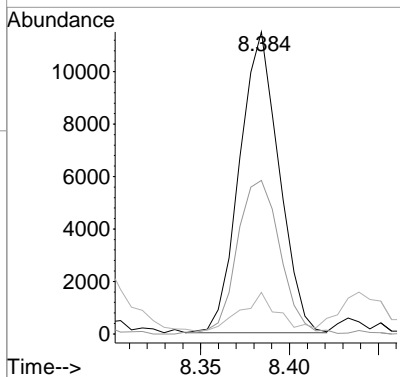
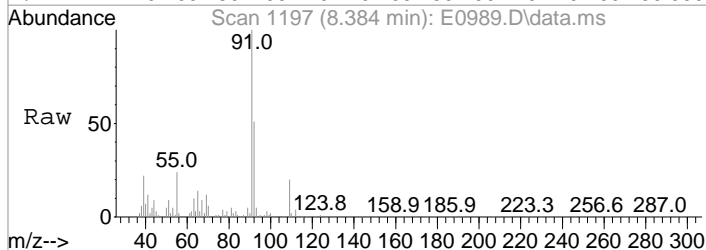
#51
 n-Heptane
 Concen: 1.62 ug/L
 RT: 6.348 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

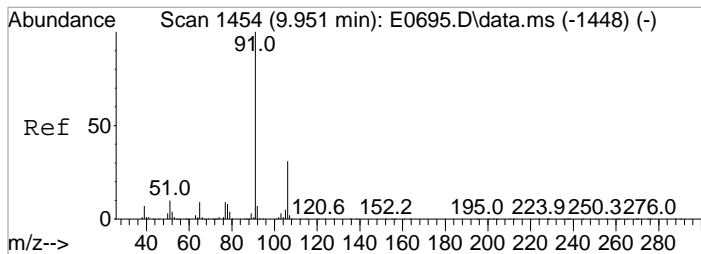
Tgt Ion	Resp	Lower	Upper
43	100		
57	35.8	29.2	69.2
71	53.5	32.4	72.4



#65
 Toluene
 Concen: 1.46 ug/L
 RT: 8.384 min Scan# 1197
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

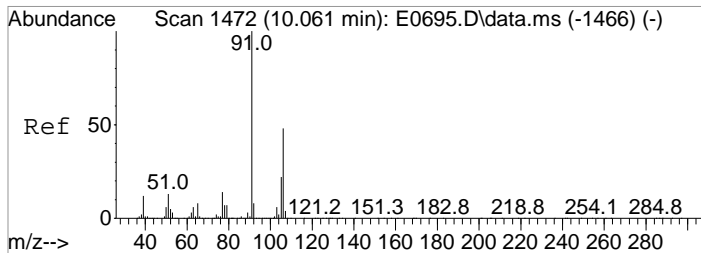
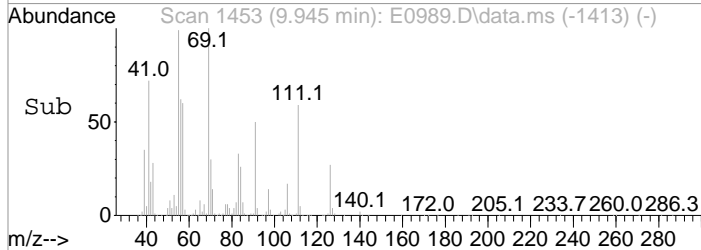
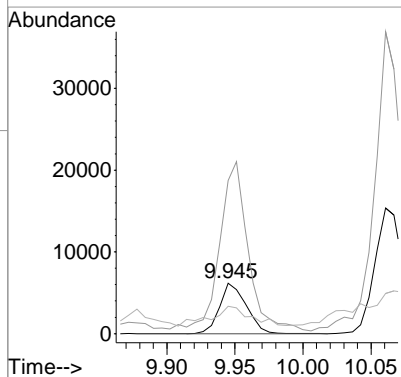
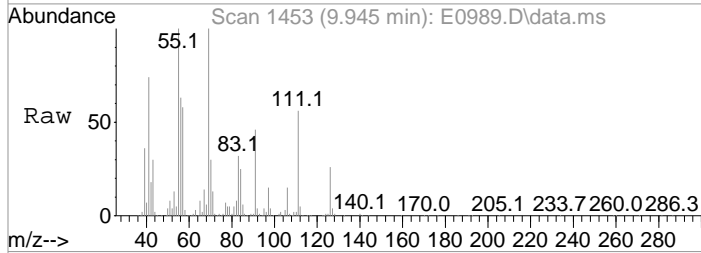
Tgt Ion	Resp	Lower	Upper
91	100		
92	50.8	37.5	77.5
65	13.8	0.0	32.1





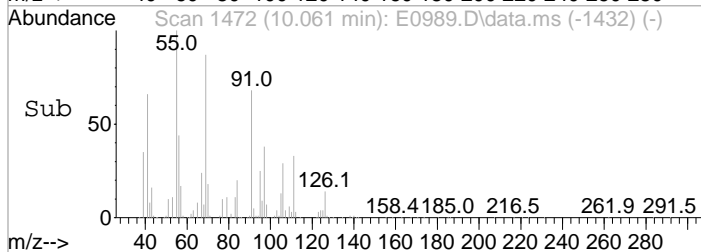
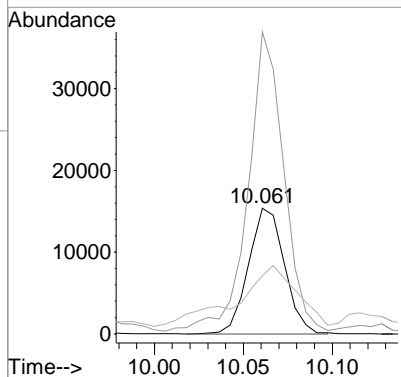
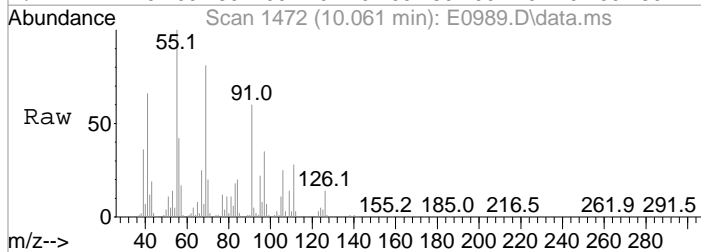
#81
 Ethylbenzene
 Concen: 2.11 ug/L
 RT: 9.945 min Scan# 1453
 Delta R.T. -0.006 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

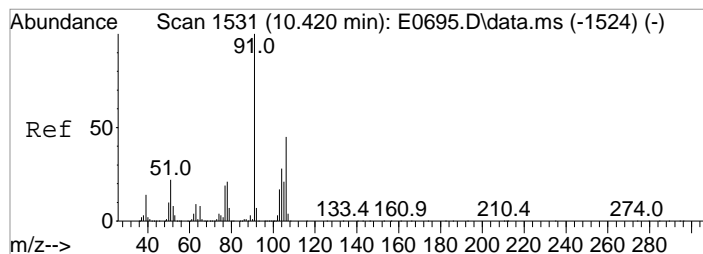
Tgt Ion	Resp	Lower	Upper
106	8394		
106	100		
91	303.3	307.4	347.4#
65	54.4	10.4	50.4#



#82
 (m+p)Xylene
 Concen: 4.24 ug/L
 RT: 10.061 min Scan# 1472
 Delta R.T. -0.006 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

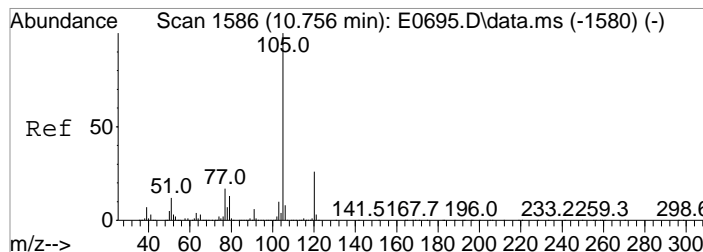
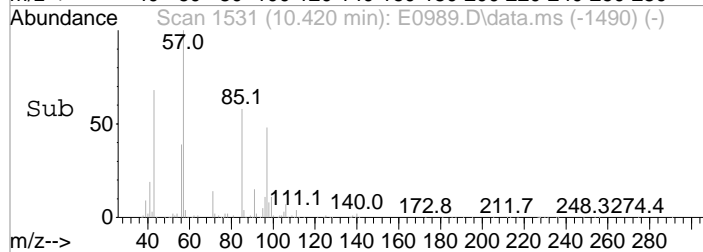
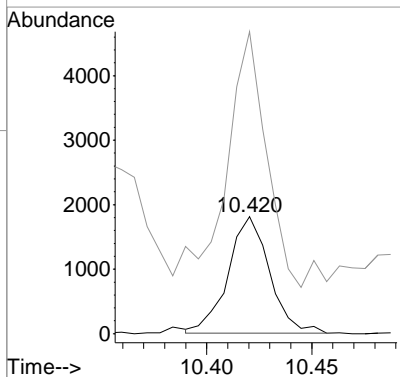
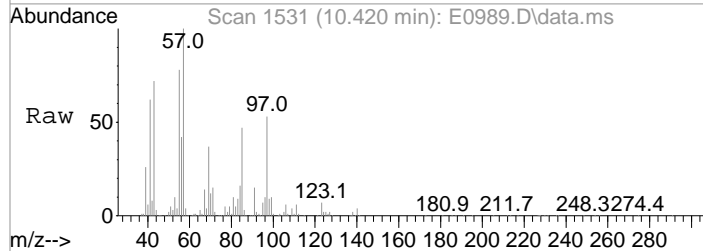
Tgt Ion	Resp	Lower	Upper
106	21719		
106	100		
91	240.0	189.1	229.1#
77	46.3	9.6	49.6





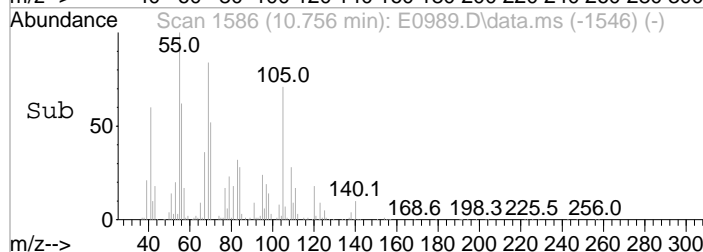
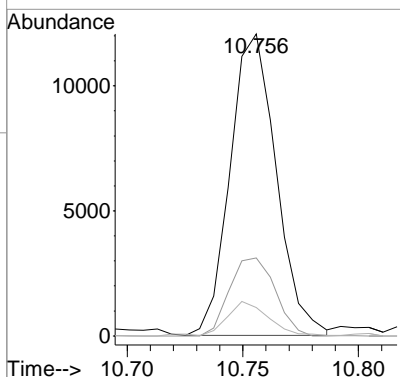
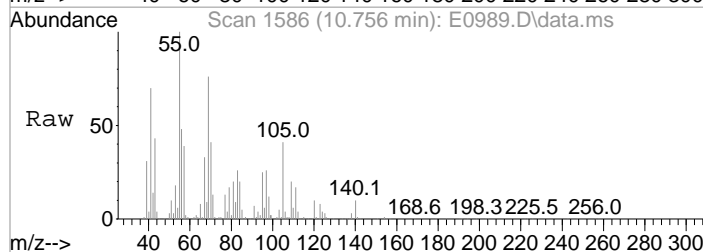
#83
 o-Xylene
 Concen: 0.50 ug/L
 RT: 10.420 min Scan# 1531
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

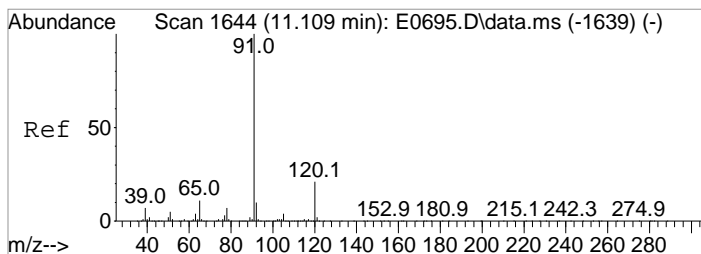
Tgt Ion	Resp	Lower	Upper
106	2471		
106	100		
91	257.8	201.3	241.3#



#87
 Isopropylbenzene
 Concen: 1.29 ug/L
 RT: 10.756 min Scan# 1586
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

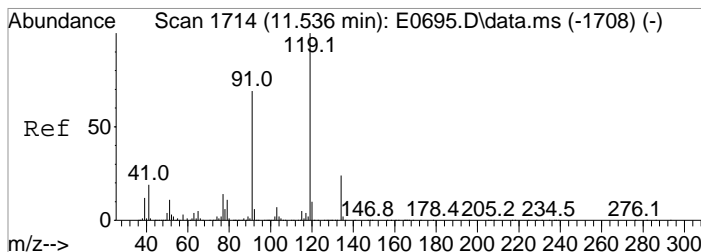
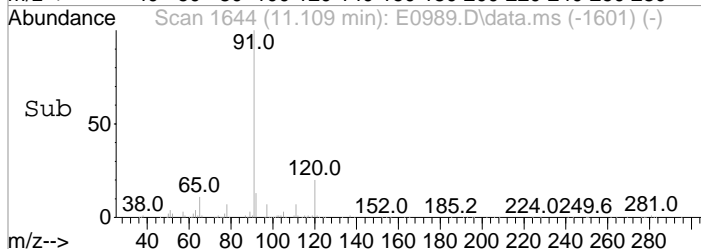
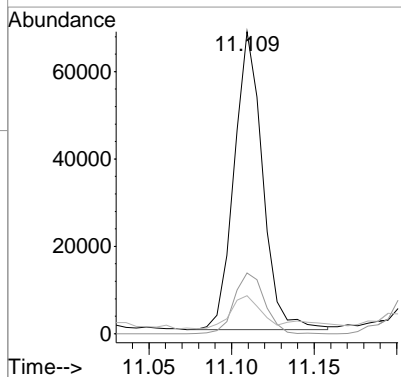
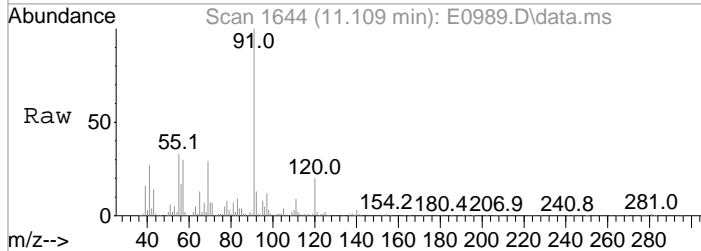
Tgt Ion	Resp	Lower	Upper
105	16697		
105	100		
120	25.8	6.2	46.2
106	9.4	0.0	28.3





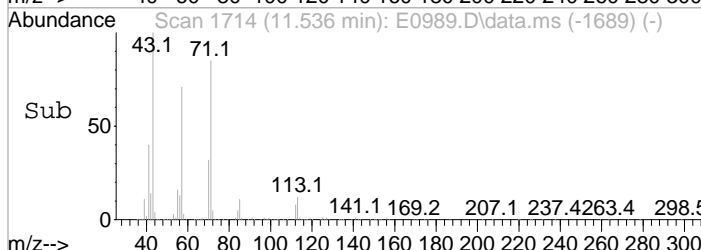
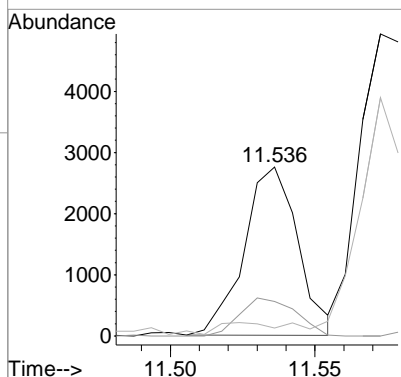
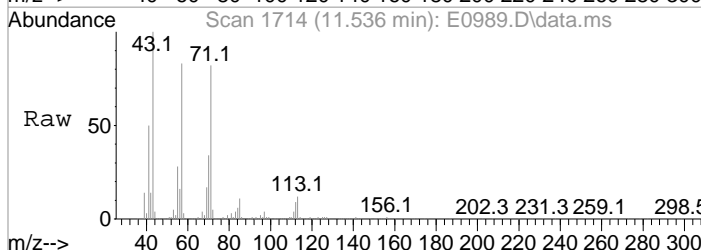
#94
n-Propylbenzene
Concen: 4.86 ug/L
RT: 11.109 min Scan# 1644
Delta R.T. 0.000 min
Lab File: E0989.D
Acq: 10 May 2019 4:23 pm

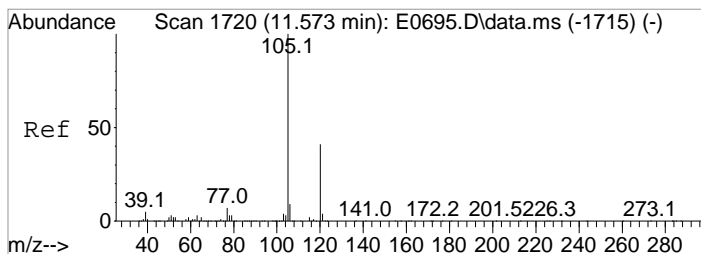
Tgt Ion	Resp	Lower	Upper
91	100		
120	20.1	1.3	41.3
65	12.6	0.0	31.0



#99
tert-Butylbenzene
Concen: 0.37 ug/L
RT: 11.536 min Scan# 1714
Delta R.T. -0.000 min
Lab File: E0989.D
Acq: 10 May 2019 4:23 pm

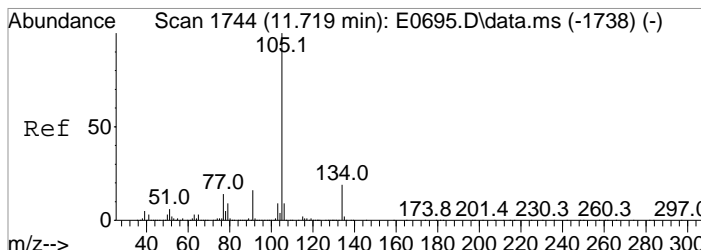
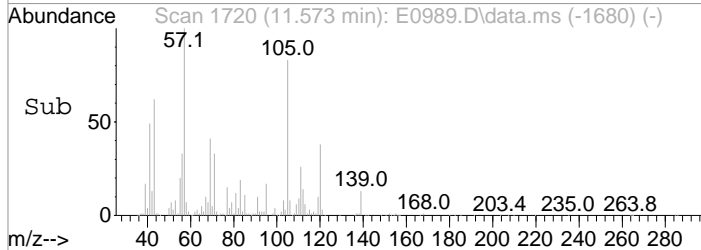
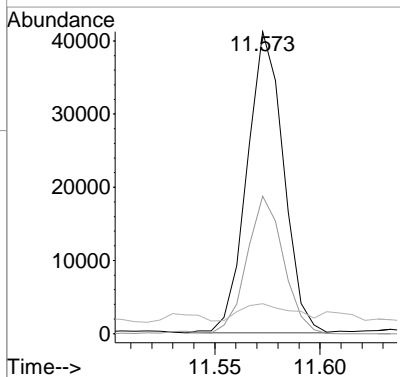
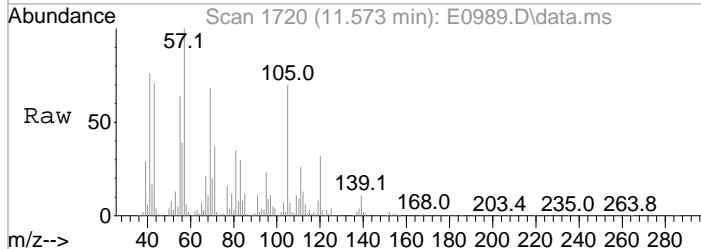
Tgt Ion	Resp	Lower	Upper
119	100		
134	20.4	3.6	43.6
103	4.8	0.0	26.6





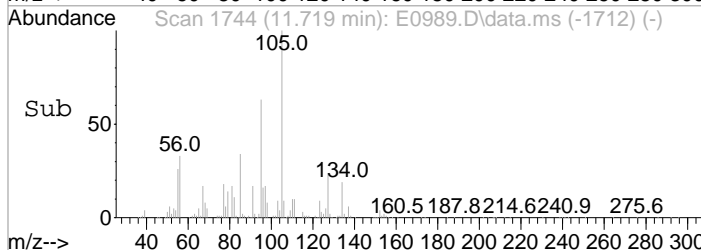
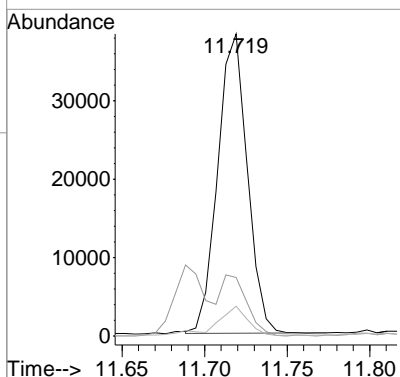
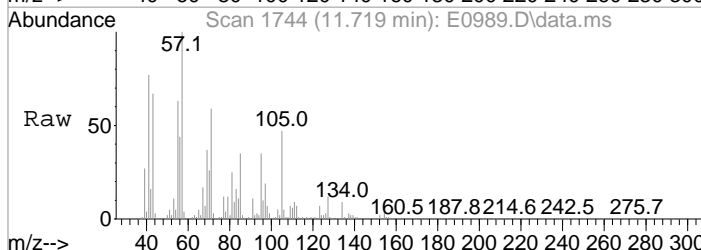
#100
 1,2,4-Trimethylbenzene
 Concen: 4.30 ug/L
 RT: 11.573 min Scan# 1720
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

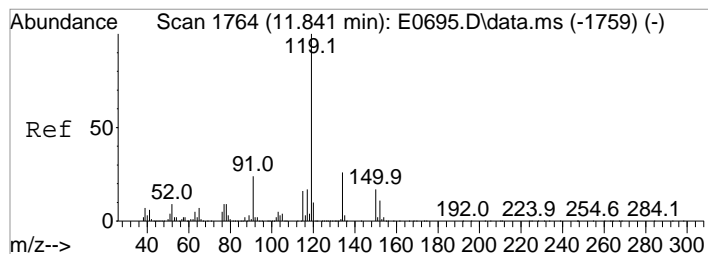
Tgt Ion	Resp	Lower	Upper
105	49379		
120	45.5	25.8	65.8
65	9.9	0.0	25.1



#102
 sec-Butylbenzene
 Concen: 3.23 ug/L
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

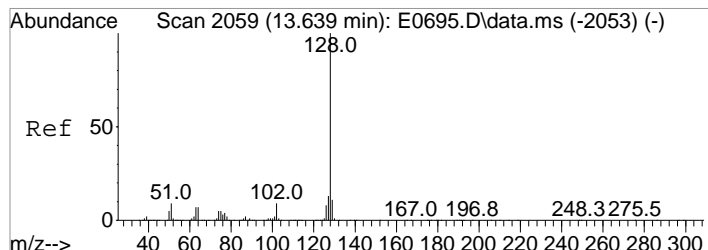
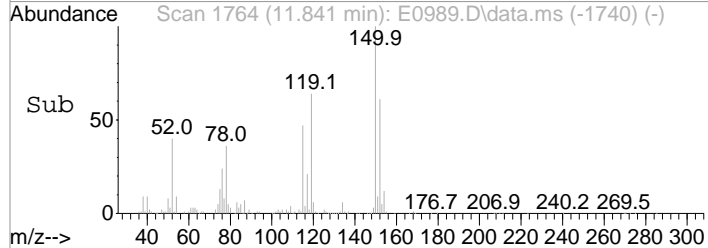
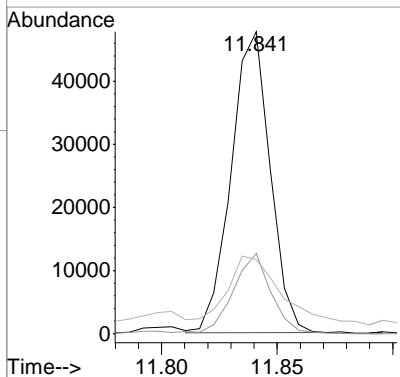
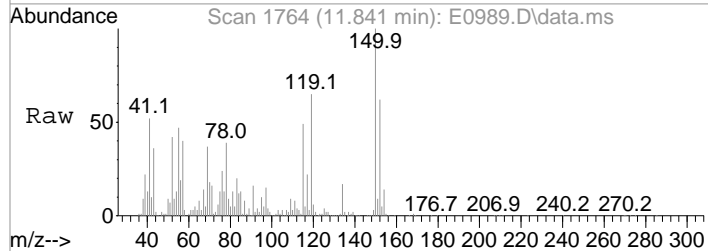
Tgt Ion	Resp	Lower	Upper
105	47674		
134	19.3	0.0	39.4
103	9.9	0.0	29.1





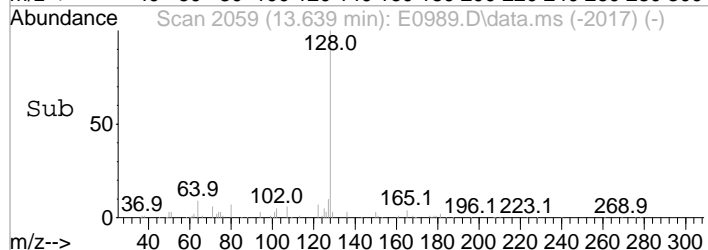
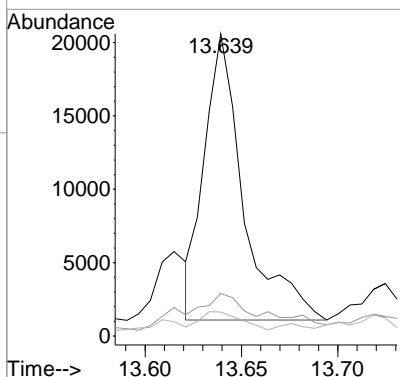
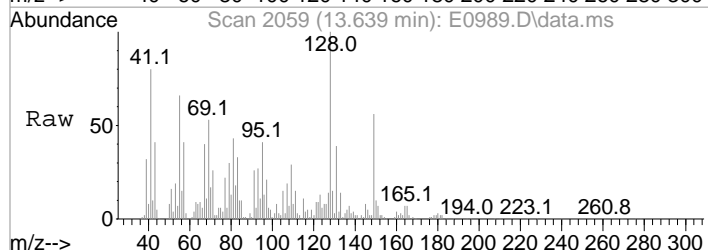
#103
 p-Isopropyltoluene
 Concen: 4.64 ug/L
 RT: 11.841 min Scan# 1764
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.5	6.4	46.4
91	24.5	4.4	44.4



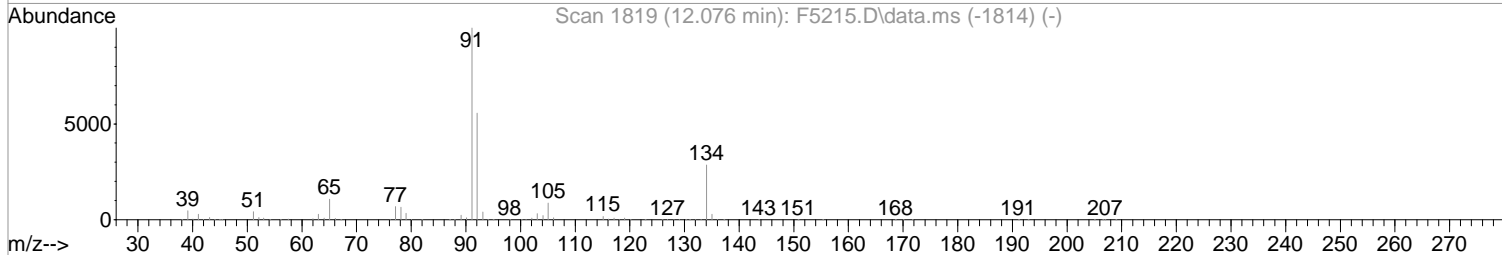
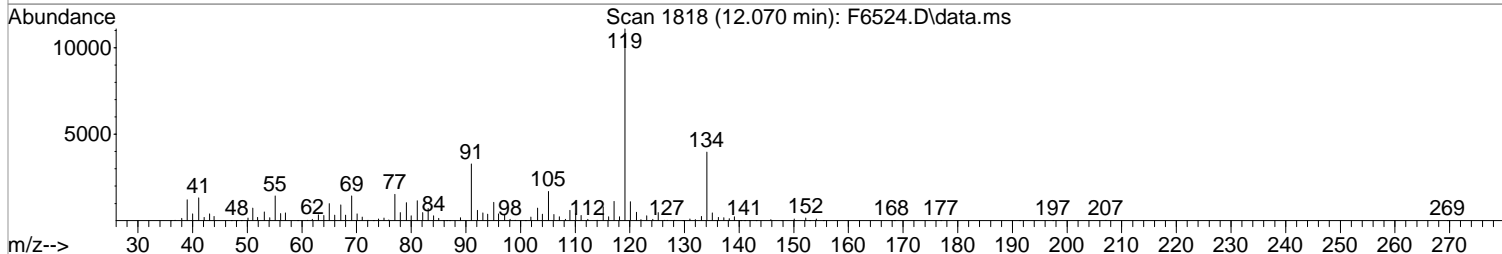
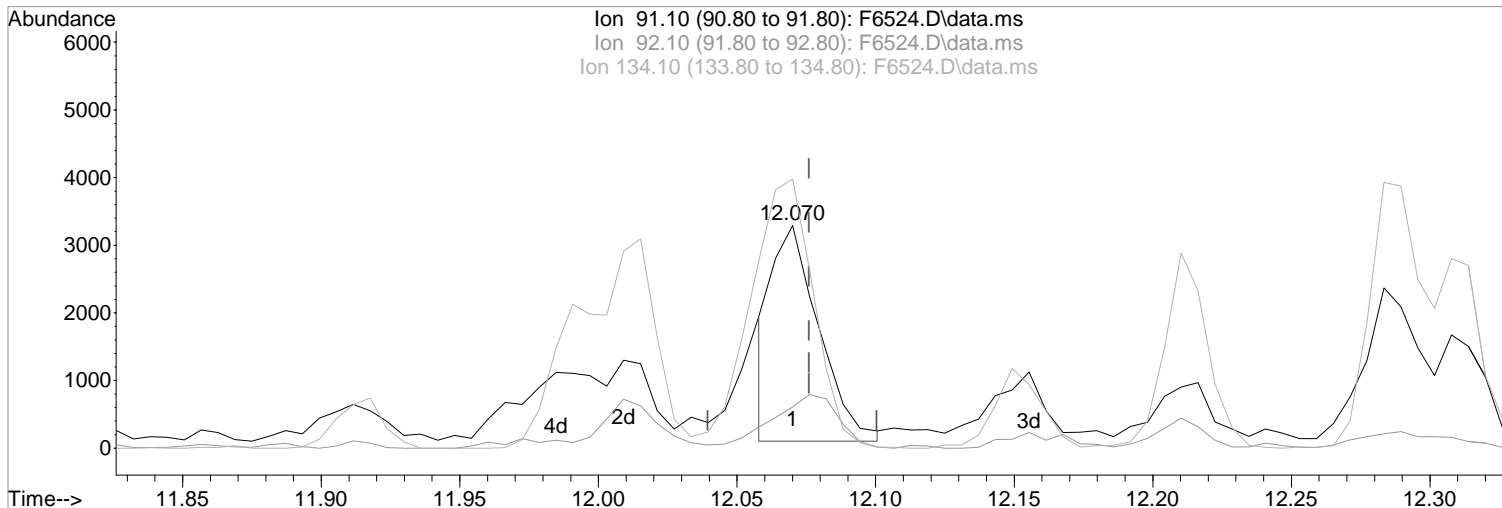
#116
 Naphthalen
 Concen: 2.18 ug/L
 RT: 13.639 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: E0989.D
 Acq: 10 May 2019 4:23 pm

Tgt Ion	Resp	Lower	Upper
128	100		
127	14.1	0.0	33.4
102	8.0	0.0	28.9



Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6524.D
 Acq On : 8 May 2019 8:52 pm
 Operator : F.NAEGLER
 Sample : R1903954-005|99.5
 Misc : DAY 19396 T4
 ALS Vial : 16 Sample Multiplier: 1
 Inst : MSVOA14

Quant Time: May 09 07:37:27 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration



(108) n-Butylbenzene
 12.070min (-0.006) 0.46 ug/L m
 response 3744

Manual Integration:
 After
 Poor integration.

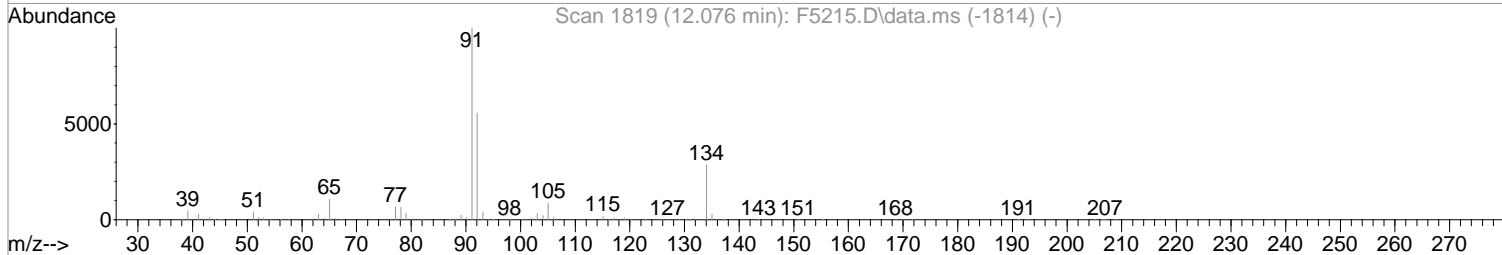
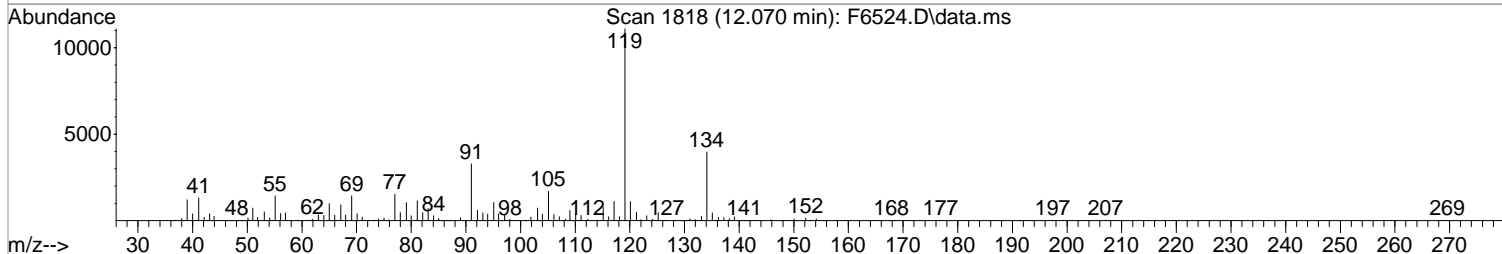
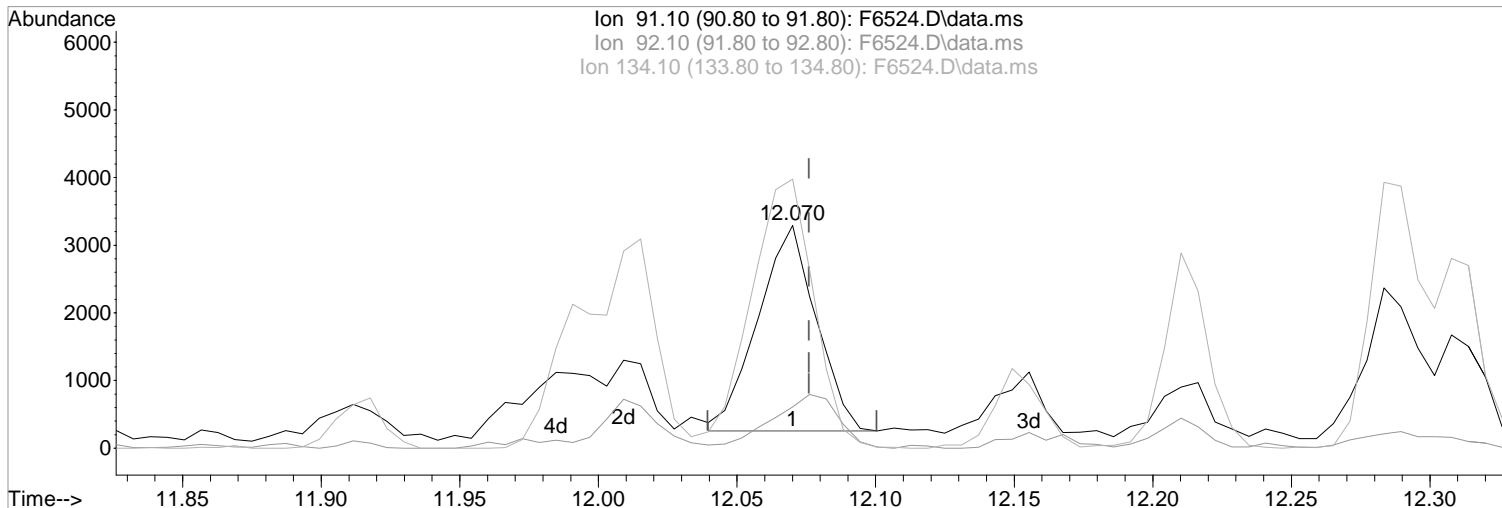
Ion	Exp%	Act%
91.10	100	100
92.10	55.60	18.46#
134.10	28.60	120.74#
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6524.D
Acq On : 8 May 2019 8:52 pm
Operator : F.NAEGLER
Sample : R1903954-005|99.5
Misc : DAY 19396 T4
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:37:27 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(108) n-Butylbenzene
12.070min (-0.006) 0.54 ug/L
response 4425

Manual Integration:
Before

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	18.46#
134.10	28.60	120.74#
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6524.D
 Acq On : 8 May 2019 8:52 pm
 Operator : F.NAEGLER
 Sample : R1903954-005|99.5 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 10 10:35:35 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	239809	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	370667	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	329217	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	178496	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	103741	42.00	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	84.00%#		
47) surr1,1,2-dichloroetha...	5.120	65	138445	47.83	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	95.66%		
64) SURR3,Toluene-d8	7.943	98	452613	45.91	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	91.82%		
69) SURR2,BFB	10.729	95	173096	45.34	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	90.68%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	1357	0.43	ug/L	97
5) Bromomethane	1.407	94	1101	0.38	ug/L	92
15) Acetone	2.066	43	5859	5.00	ug/L	99
17) Iodomethane	2.109	142	630	1.47	ug/L	97
18) Carbon Disulfide	2.151	76	1671	0.32	ug/L	98
21) Methyl Acetate	2.322	43	83628	34.32	ug/L	98
34) 2-Butanone	3.846	43	1024	0.59	ug/L	79
43) Cyclohexane	4.645	41	10320	5.51	ug/L	85
48) Benzene	5.218	78	6798	0.69	ug/L	95
51) n-Heptane	5.797	43	35024	14.43	ug/L	89
54) Methylcyclohexane	6.559	55	20009	7.66	ug/L #	81
65) Toluene	8.028	91	3400	0.33	ug/L	93
82) (m+p)Xylene	9.863	106	1307	0.30	ug/L #	84
83) o-Xylene	10.247	106	1403	0.32	ug/L #	83
87) Isopropylbenzene	10.607	105	3302	0.31	ug/L	96
98) 1,3,5-Trimethylbenzene	11.143	105	7123	0.81	ug/L	93
100) 1,2,4-Trimethylbenzene	11.460	105	10012	1.13	ug/L	89
102) sec-Butylbenzene	11.607	105	4899	0.45	ug/L	93
103) p-Isopropyltoluene	11.735	119	3515	0.38	ug/L	80
108) n-Butylbenzene	12.070	91	3744m	0.46	ug/L	
116) Naphthalen	13.551	128	7523	1.21	ug/L	98

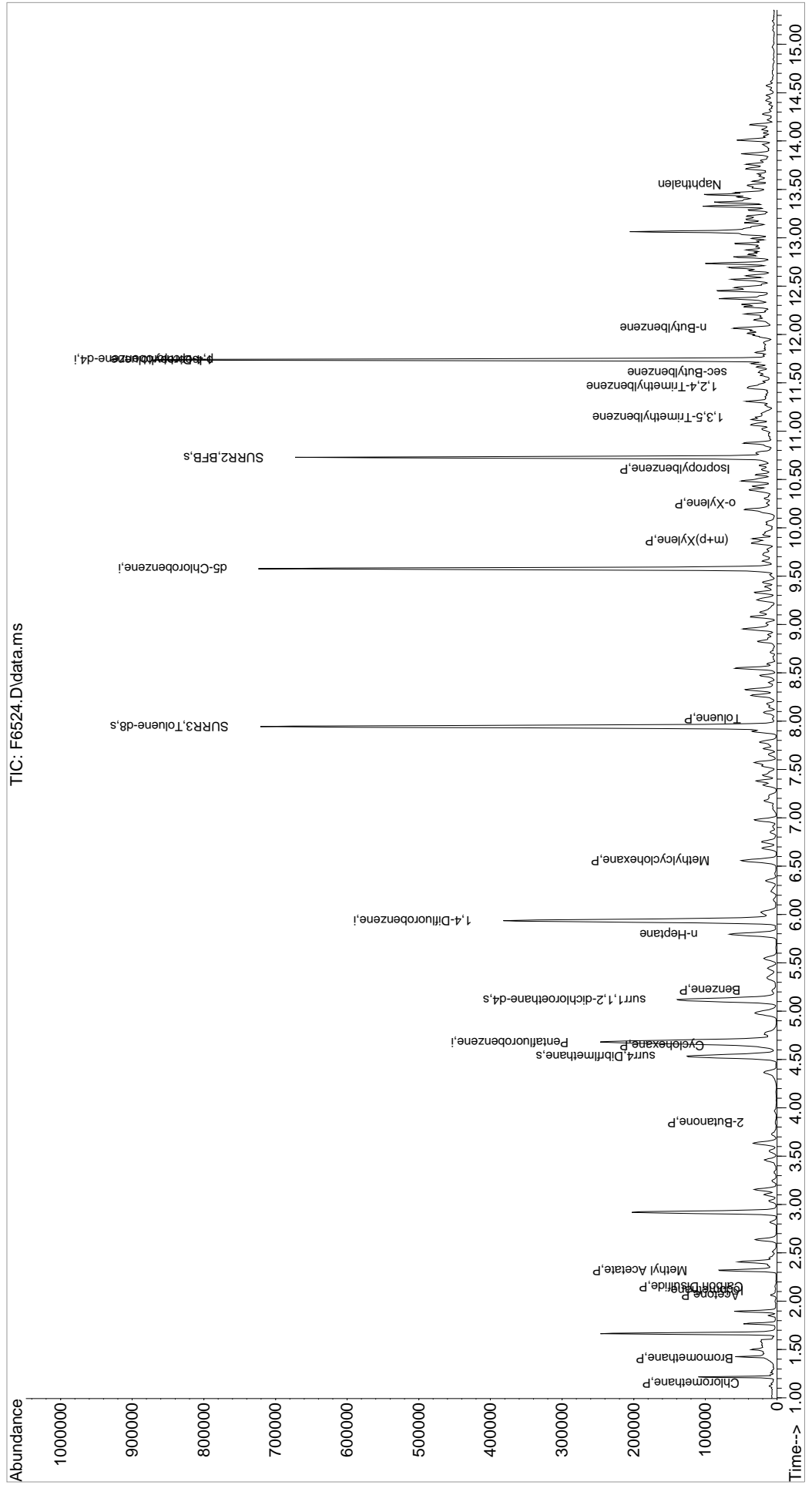
OK soil limits

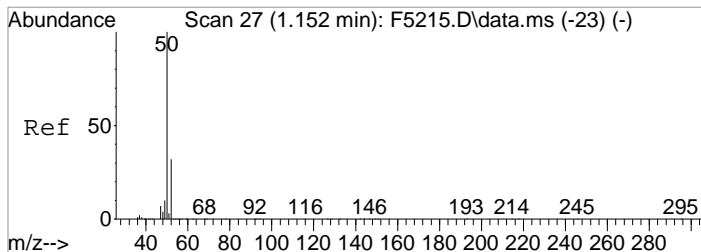
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6524.D
 Acq On : 8 May 2019 8:52 pm
 Operator : F.NAEGLER
 Sample : R1903954-005|99.5
 Misc : DAY 19396 T4
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA14

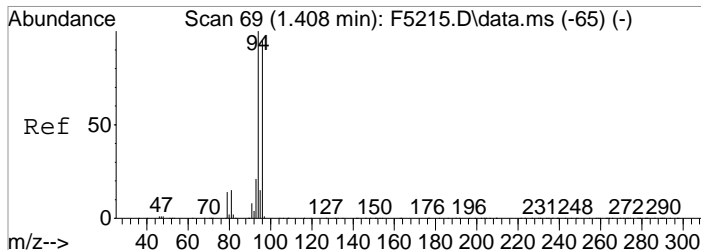
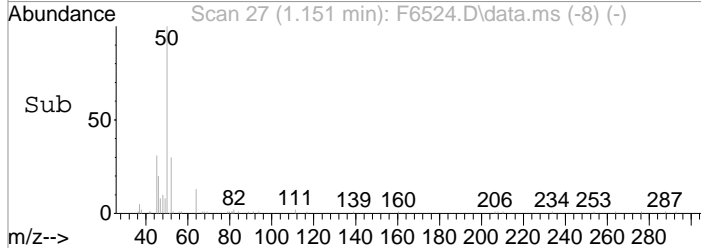
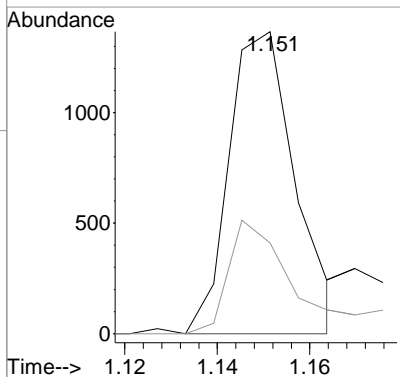
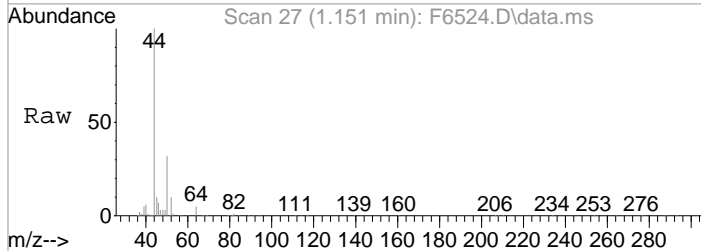
Quant Time: May 10 10:35:35 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration





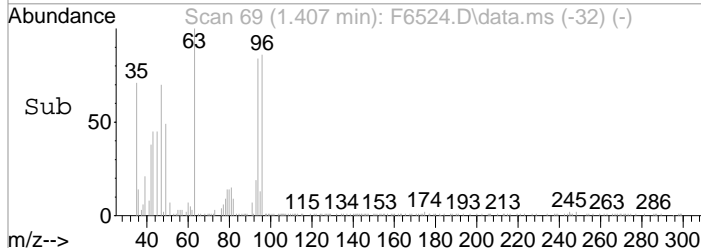
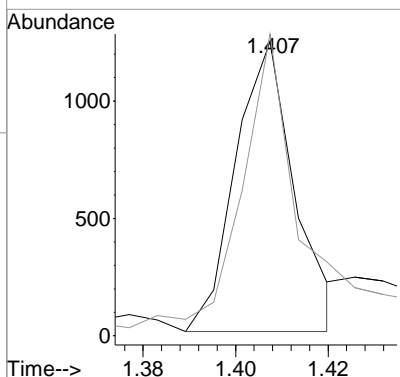
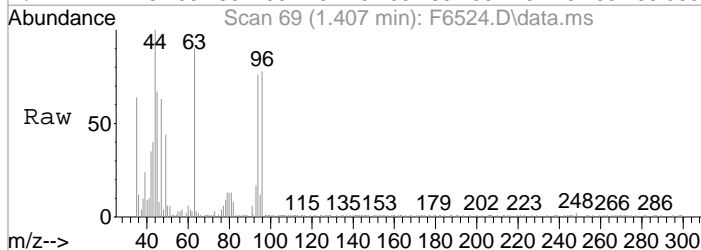
#3
 Chloromethane
 Concen: 0.43 ug/L
 RT: 1.151 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

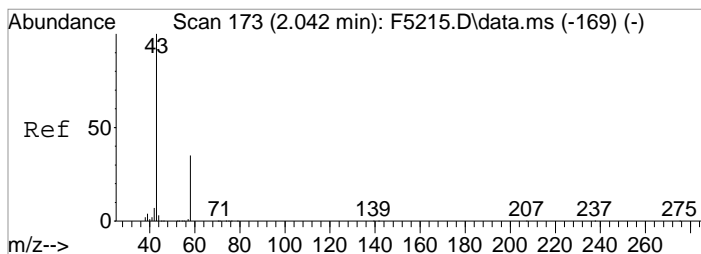
Tgt Ion	Resp	Lower	Upper
50	100		
52	30.1	11.9	51.9



#5
 Bromomethane
 Concen: 0.38 ug/L
 RT: 1.407 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

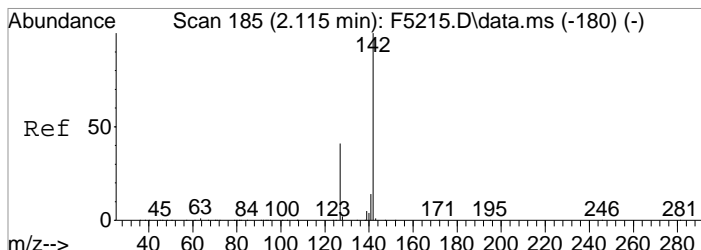
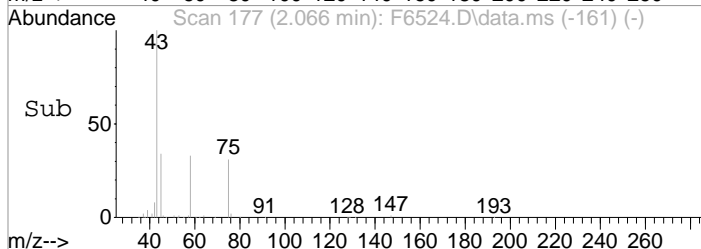
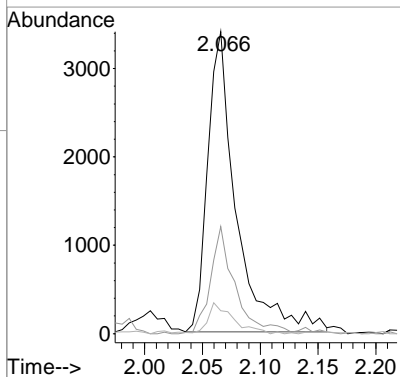
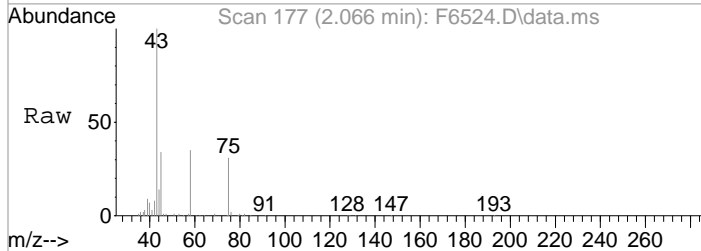
Tgt Ion	Resp	Lower	Upper
94	100		
96	102.6	74.5	114.5





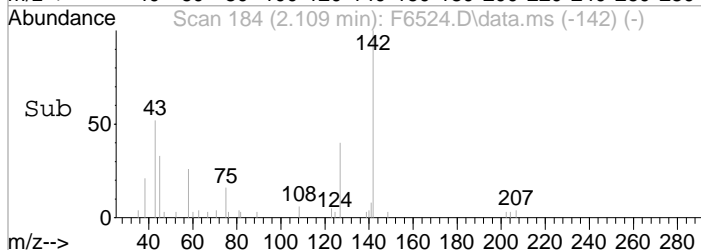
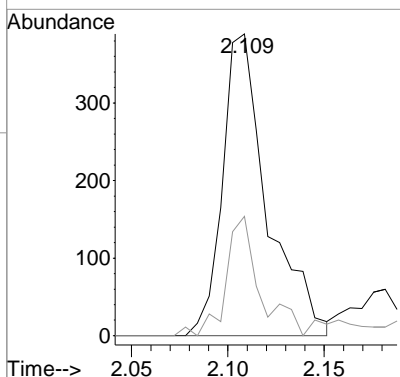
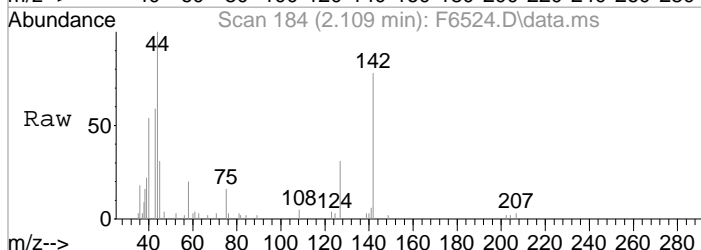
#15
 Acetone
 Concen: 5.00 ug/L
 RT: 2.066 min Scan# 177
 Delta R.T. 0.025 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

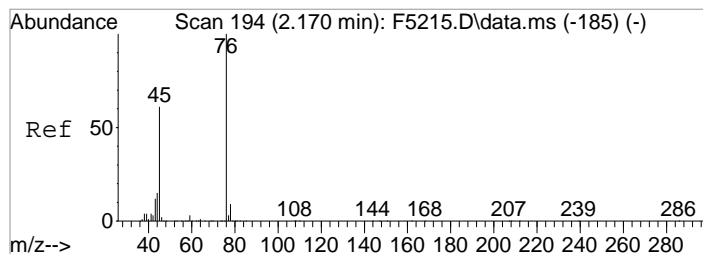
Tgt Ion	Resp	Lower	Upper
43	100		
58	35.4	14.7	54.7
42	7.6	0.0	27.4



#17
 Iodomethane
 Concen: 1.47 ug/L
 RT: 2.109 min Scan# 184
 Delta R.T. -0.005 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

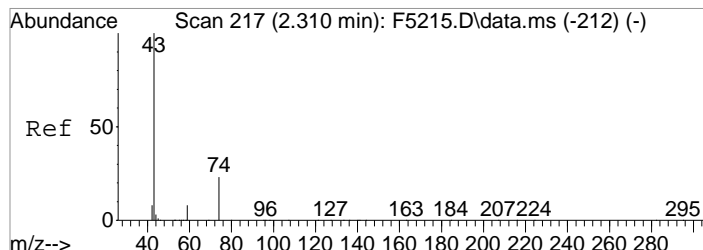
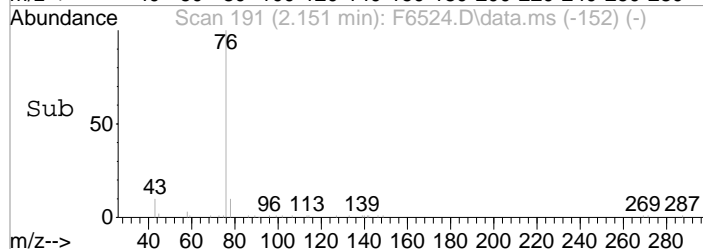
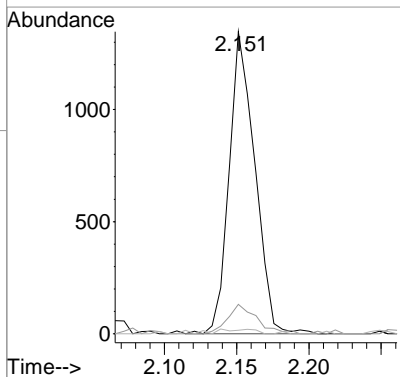
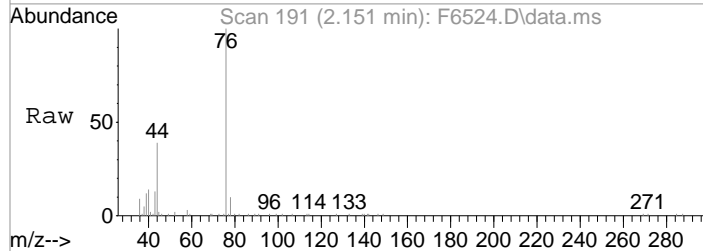
Tgt Ion	Resp	Lower	Upper
142	100		
127	39.6	21.2	61.2





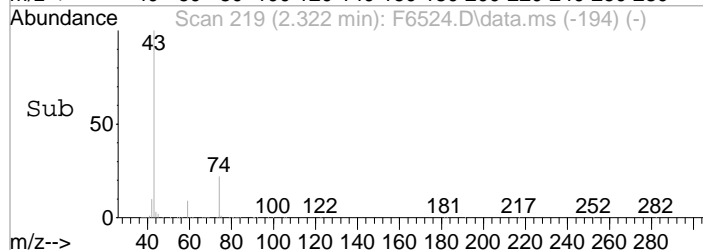
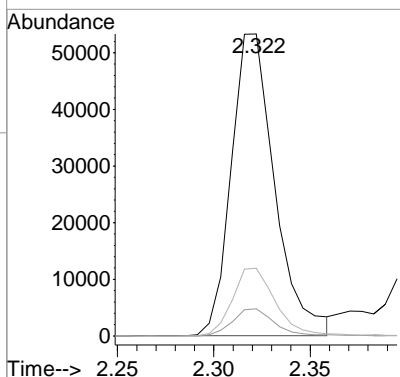
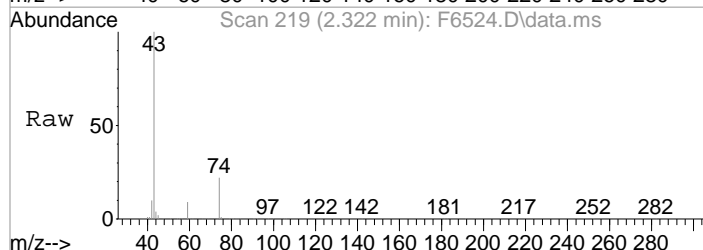
#18
 Carbon Disulfide
 Concen: 0.32 ug/L
 RT: 2.151 min Scan# 191
 Delta R.T. -0.018 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

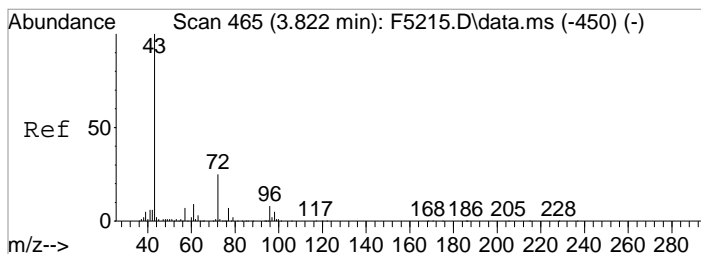
Tgt Ion	Resp	Lower	Upper
76	1671		
78	9.7	0.0	29.3
77	1.1	0.0	22.6



#21
 Methyl Acetate
 Concen: 34.32 ug/L
 RT: 2.322 min Scan# 219
 Delta R.T. 0.012 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

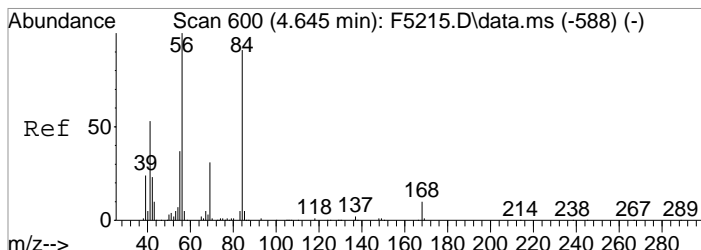
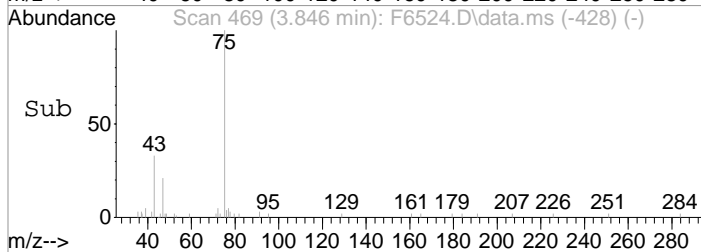
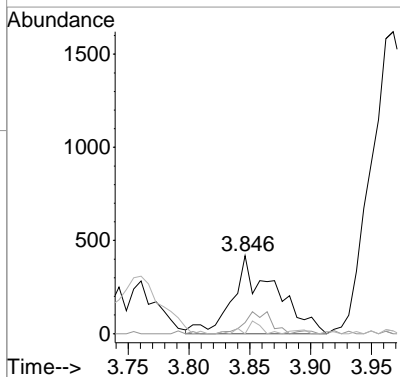
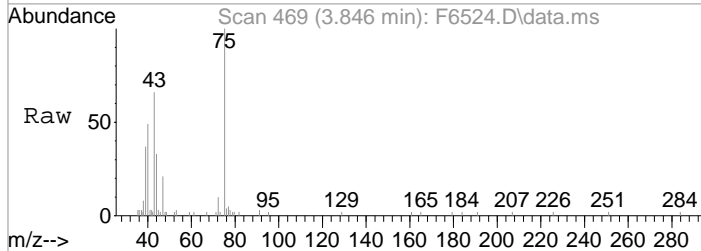
Tgt Ion	Resp	Lower	Upper
43	83628		
59	9.0	0.0	28.2
74	22.4	3.6	43.6





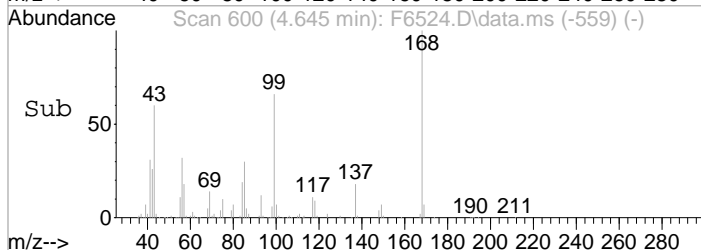
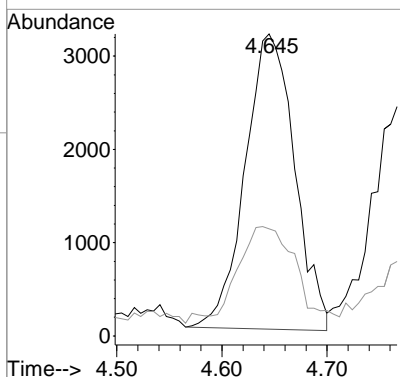
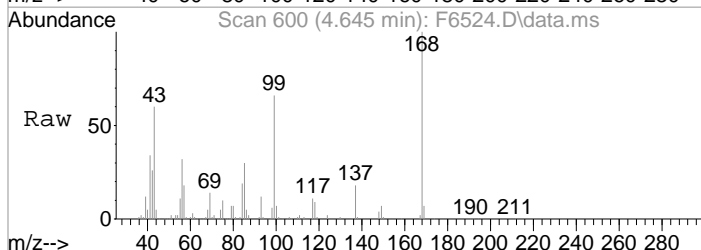
#34
 2-Butanone
 Concen: 0.59 ug/L
 RT: 3.846 min Scan# 469
 Delta R.T. 0.024 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

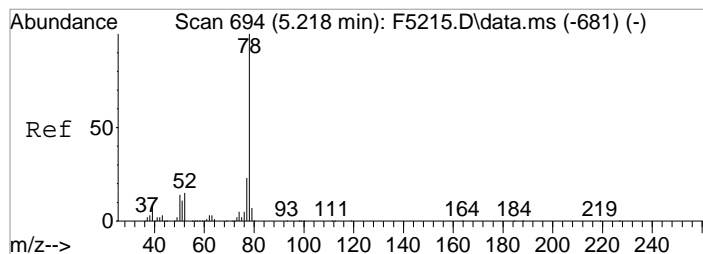
Tgt Ion	Resp	Lower	Upper
43	1024		
72	14.4	4.8	44.8
57	0.0	0.0	27.7



#43
 Cyclohexane
 Concen: 5.51 ug/L
 RT: 4.645 min Scan# 600
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

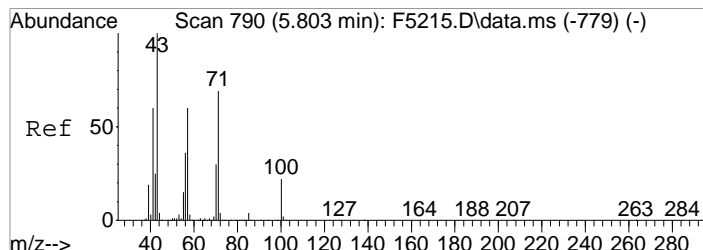
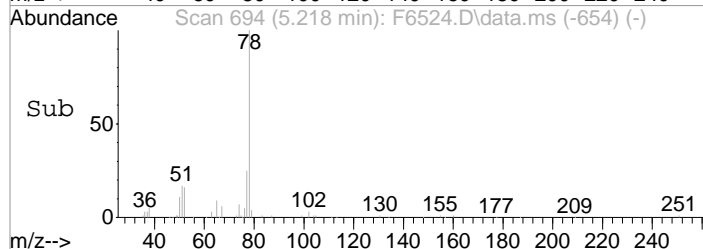
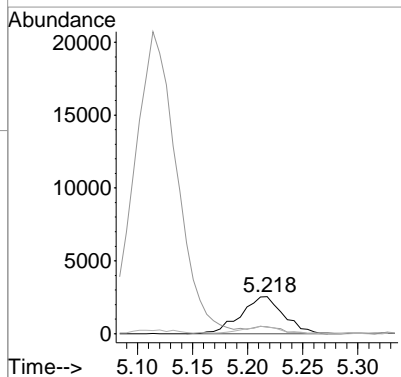
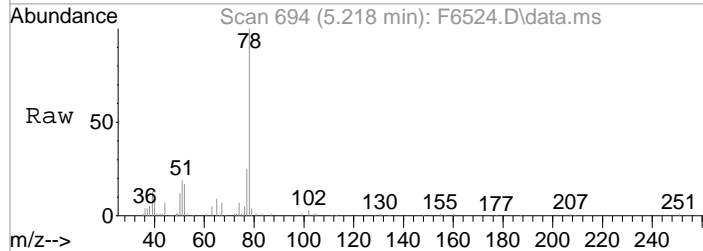
Tgt Ion	Resp	Lower	Upper
41	10320		
41	100		
39	35.5	25.3	65.3





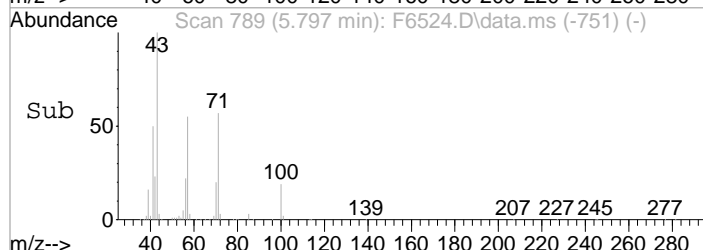
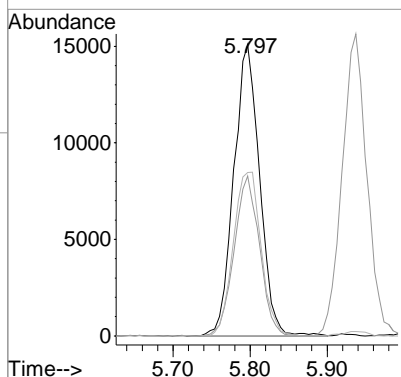
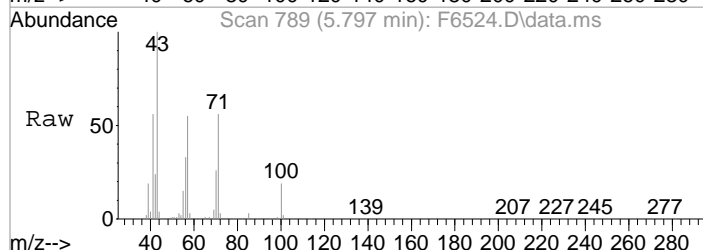
#48
 Benzene
 Concen: 0.69 ug/L
 RT: 5.218 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

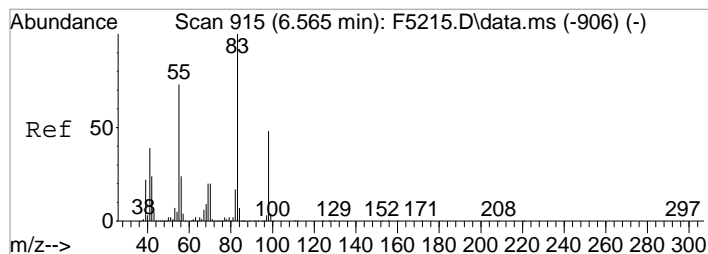
Tgt Ion	Resp	Lower	Upper
78	6798		
51	19.1	0.0	36.7
52	17.2	0.0	35.3



#51
 n-Heptane
 Concen: 14.43 ug/L
 RT: 5.797 min Scan# 789
 Delta R.T. -0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

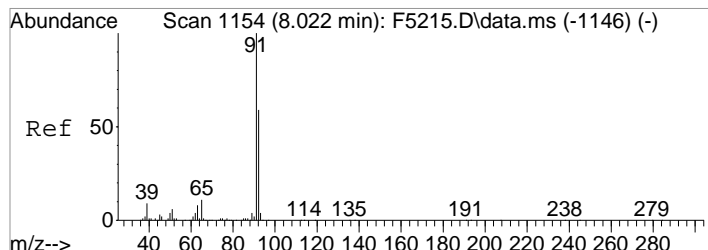
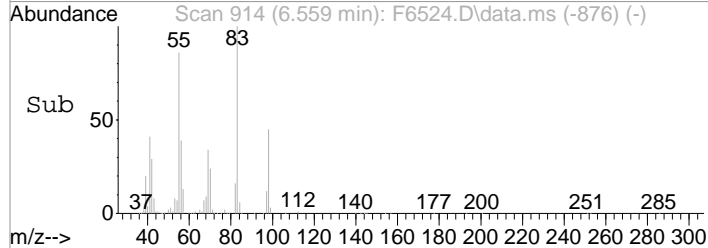
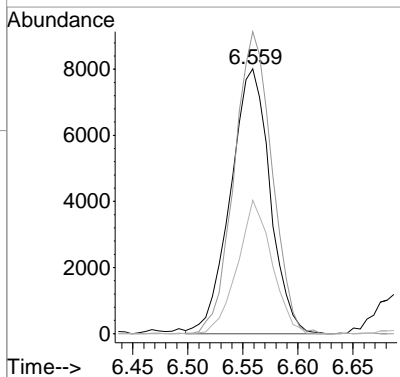
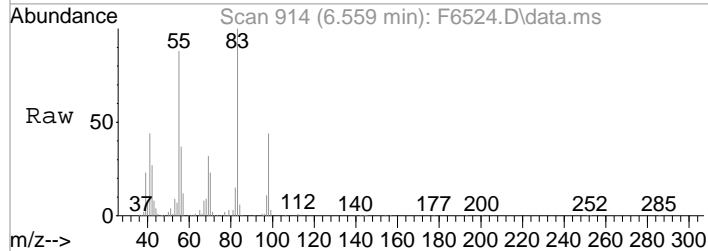
Tgt Ion	Resp	Lower	Upper
43	35024		
57	55.0	39.7	79.7
71	56.2	48.7	88.7





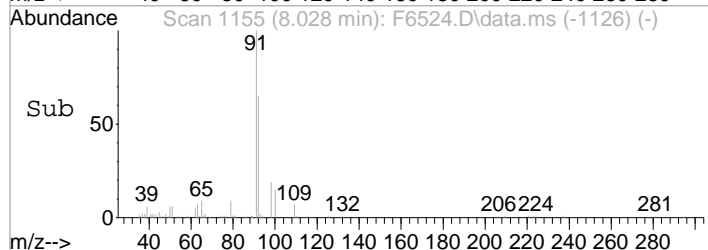
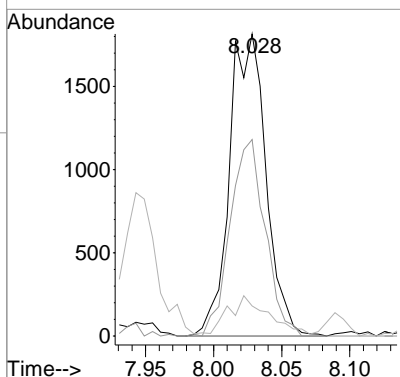
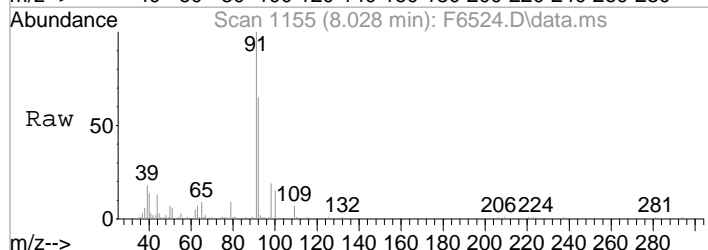
#54
 Methylcyclohexane
 Concen: 7.66 ug/L
 RT: 6.559 min Scan# 914
 Delta R.T. -0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

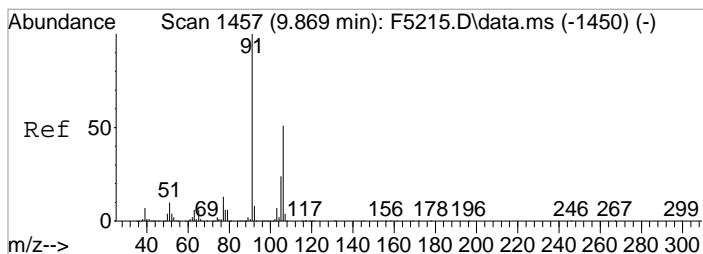
Tgt Ion	Resp	Lower	Upper
55	100		
83	114.0	116.5	156.5#
98	50.4	45.8	85.8



#65
 Toluene
 Concen: 0.33 ug/L
 RT: 8.028 min Scan# 1155
 Delta R.T. 0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

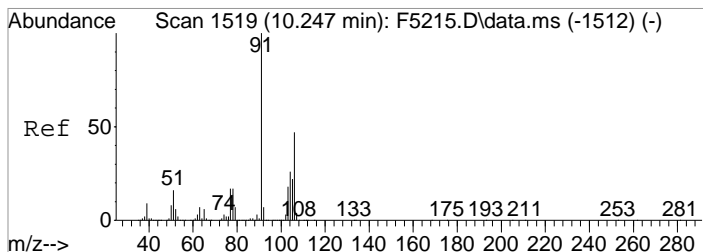
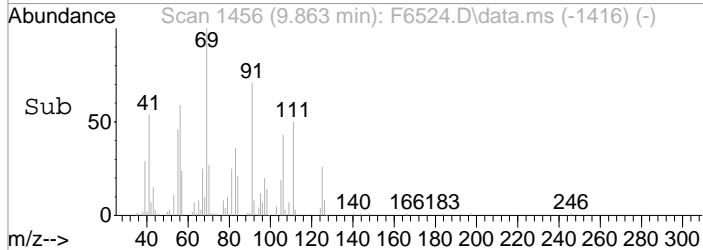
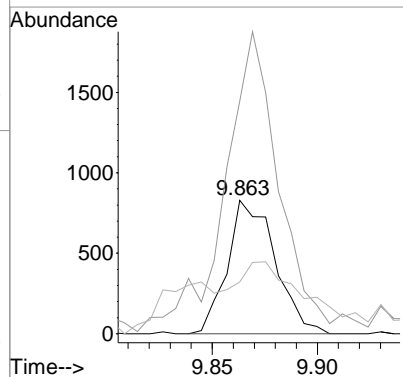
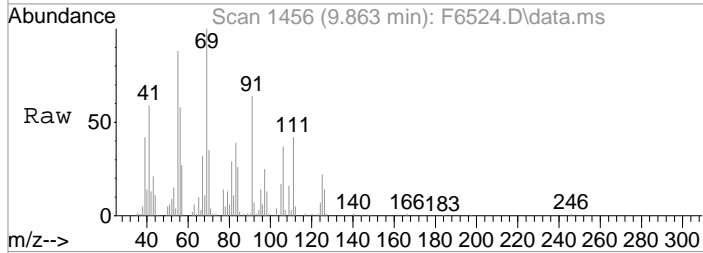
Tgt Ion	Resp	Lower	Upper
91	100		
92	65.1	39.1	79.1
65	9.9	0.0	31.2





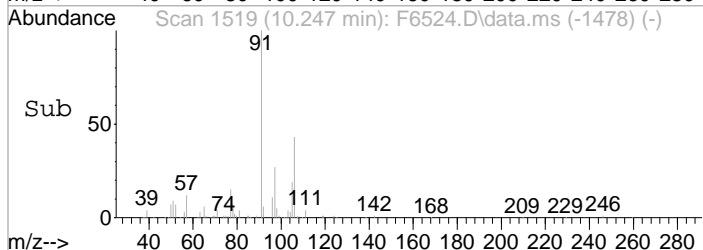
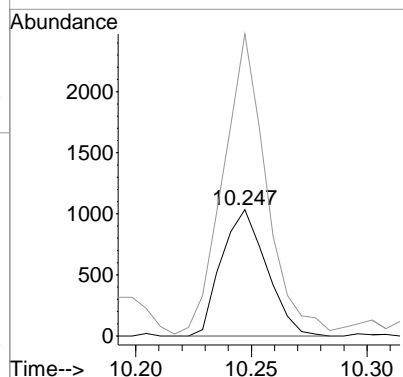
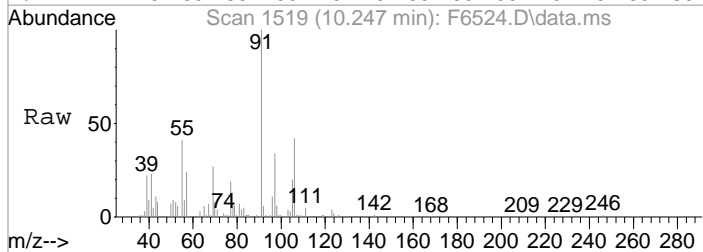
#82
 (m+p)Xylene
 Concen: 0.30 ug/L
 RT: 9.863 min Scan# 1456
 Delta R.T. -0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

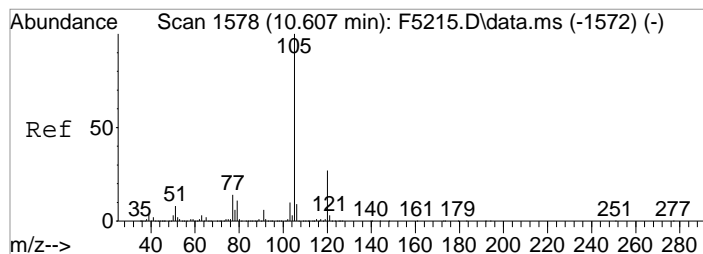
Tgt Ion	106	Resp:	1307
Ion Ratio	Lower	Upper	
106	100		
91	174.3	176.2	216.2#
77	38.8	5.1	45.1



#83
 o-Xylene
 Concen: 0.32 ug/L
 RT: 10.247 min Scan# 1519
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

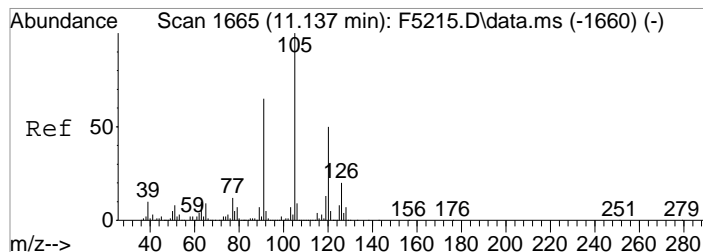
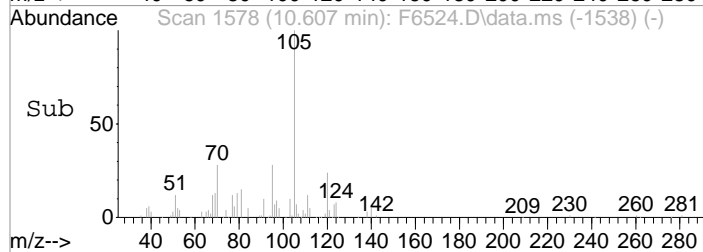
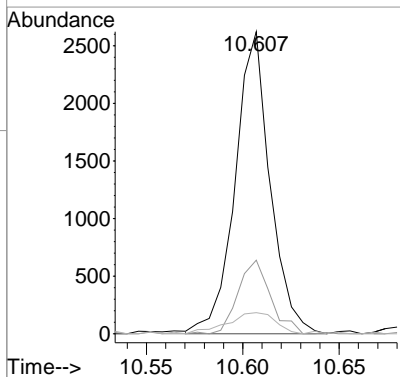
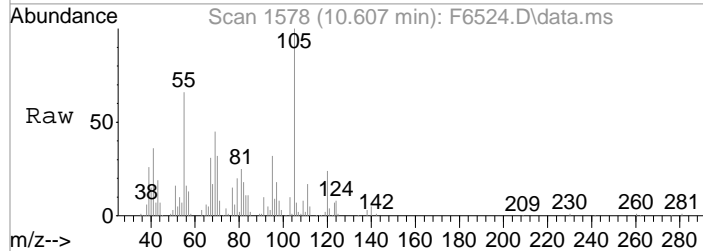
Tgt Ion	106	Resp:	1403
Ion Ratio	Lower	Upper	
106	100		
91	239.2	192.0	232.0#





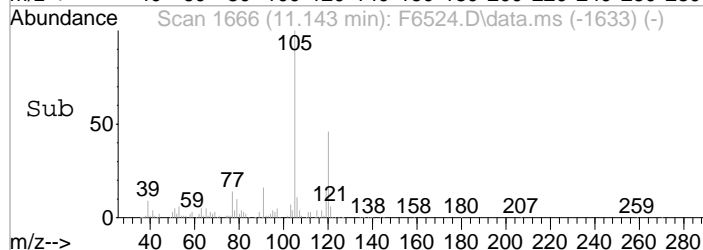
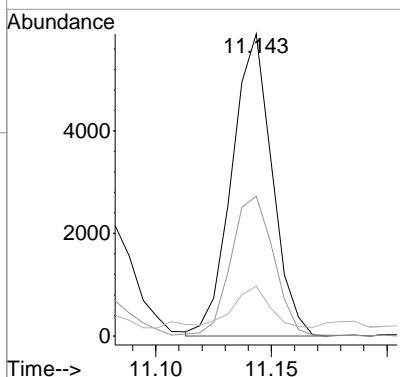
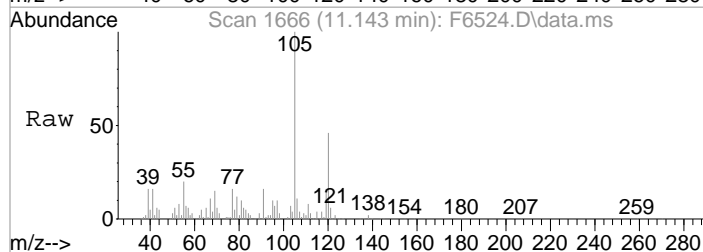
#87
 Isopropylbenzene
 Concen: 0.31 ug/L
 RT: 10.607 min Scan# 1578
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

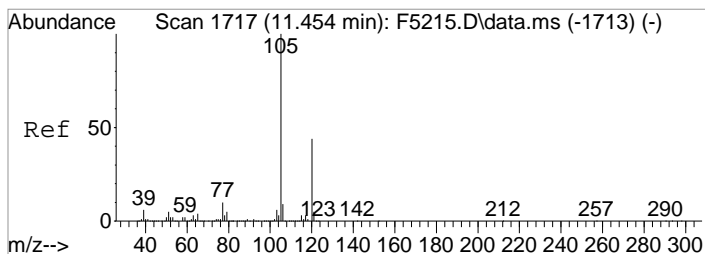
Tgt Ion	Resp	Lower	Upper
105	100		
120	24.3	6.5	46.5
106	6.9	0.0	28.8



#98
 1,3,5-Trimethylbenzene
 Concen: 0.81 ug/L
 RT: 11.143 min Scan# 1666
 Delta R.T. 0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

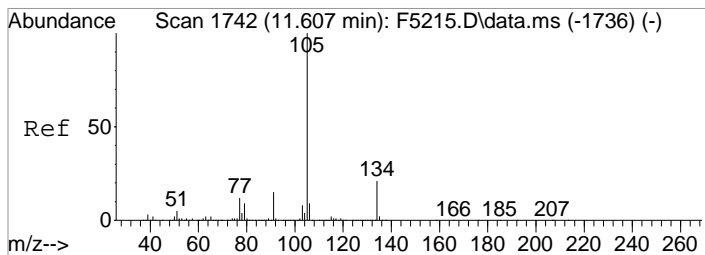
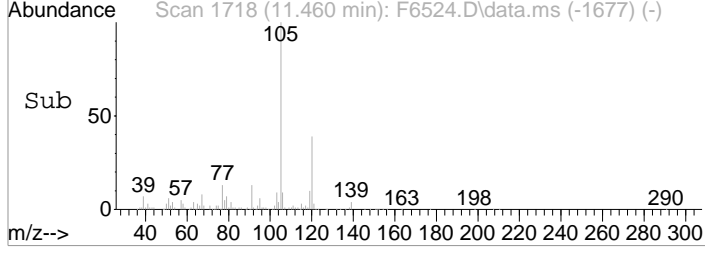
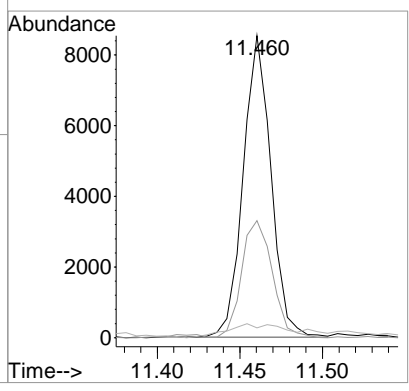
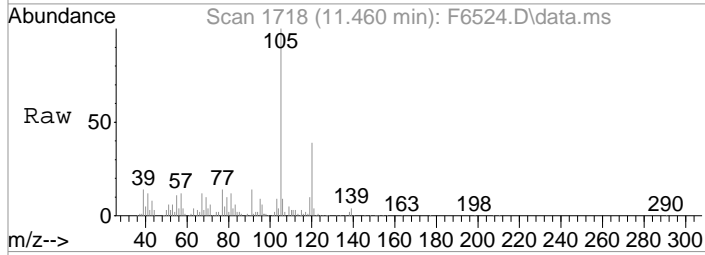
Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	30.2	70.2
77	16.5	0.0	32.3





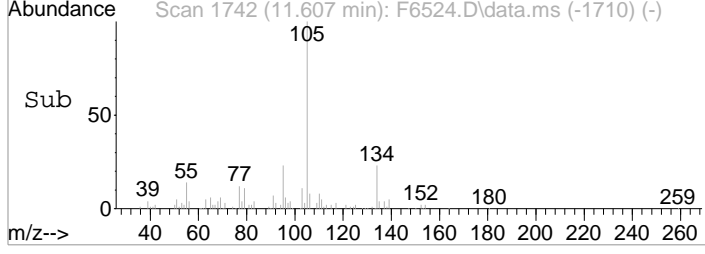
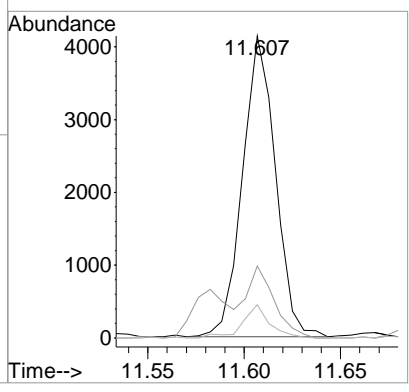
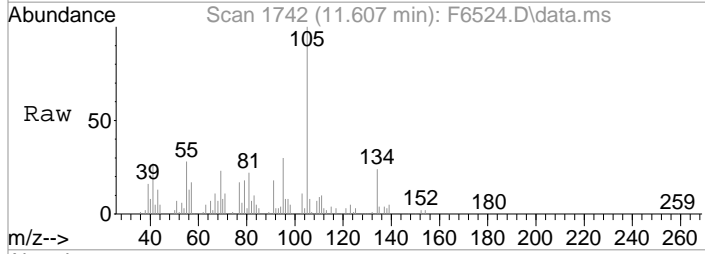
#100
 1,2,4-Trimethylbenzene
 Concen: 1.13 ug/L
 RT: 11.460 min Scan# 1718
 Delta R.T. 0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

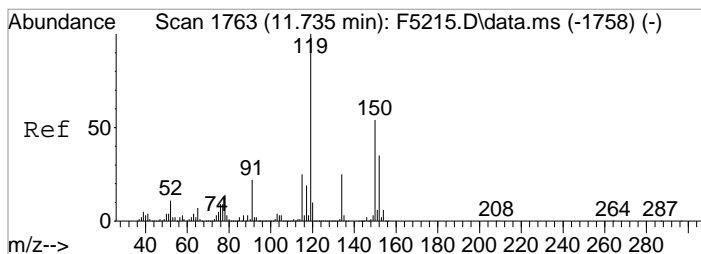
Tgt Ion	Resp	Lower	Upper
105	10012		
120	38.8	26.3	66.3
65	3.3	0.0	24.4



#102
 sec-Butylbenzene
 Concen: 0.45 ug/L
 RT: 11.607 min Scan# 1742
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

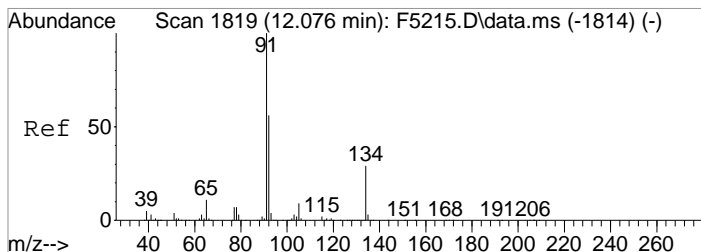
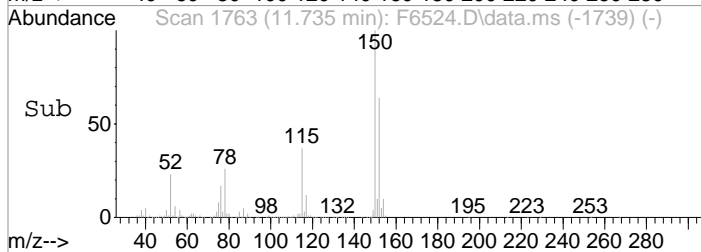
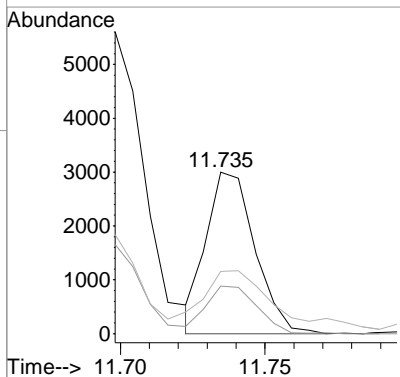
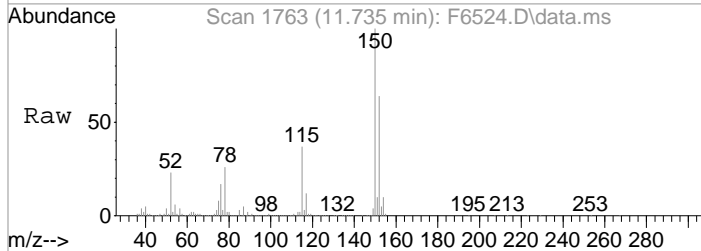
Tgt Ion	Resp	Lower	Upper
105	4899		
134	23.8	0.7	40.7
103	11.0	0.0	27.8





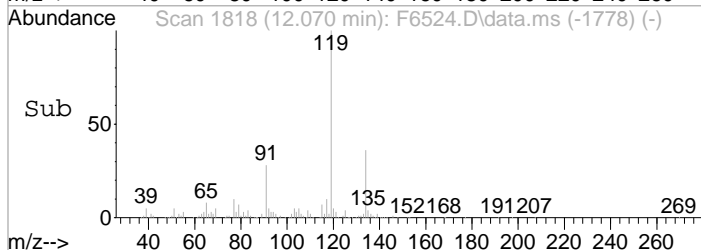
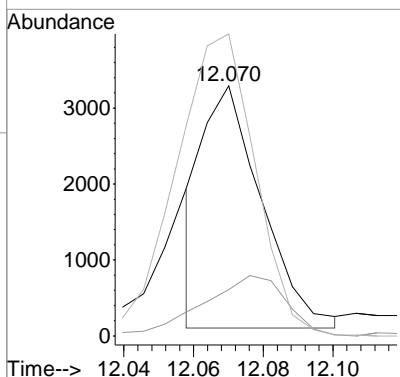
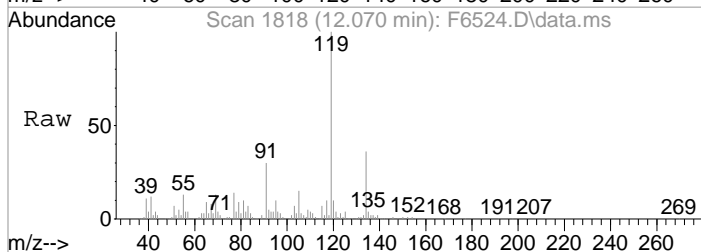
#103
 p-Isopropyltoluene
 Concen: 0.38 ug/L
 RT: 11.735 min Scan# 1763
 Delta R.T. -0.000 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

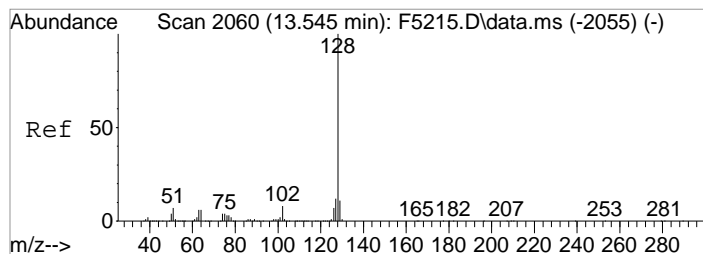
Tgt Ion	Resp	Lower	Upper
119	100		
134	29.4	5.5	45.5
91	38.5	1.7	41.7



#108
 n-Butylbenzene
 Concen: 0.46 ug/L m
 RT: 12.070 min Scan# 1818
 Delta R.T. -0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

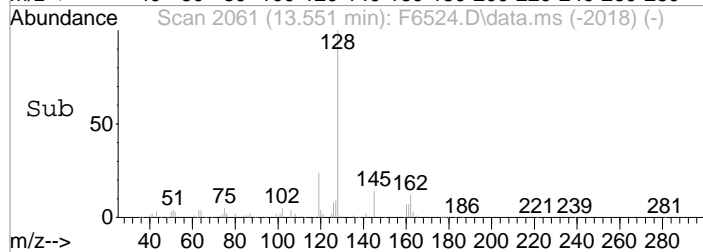
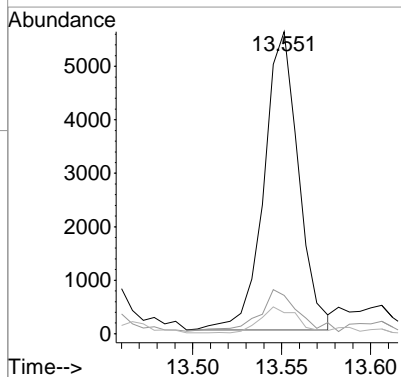
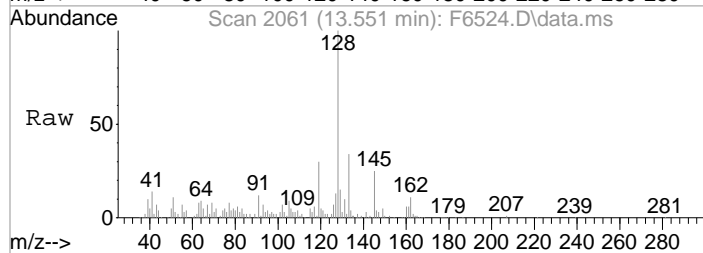
Tgt Ion	Resp	Lower	Upper
91	100		
92	18.5	35.6	75.6#
134	120.7	8.6	48.6#





#116
 Naphthalen
 Concen: 1.21 ug/L
 RT: 13.551 min Scan# 2061
 Delta R.T. 0.006 min
 Lab File: F6524.D
 Acq: 8 May 2019 8:52 pm

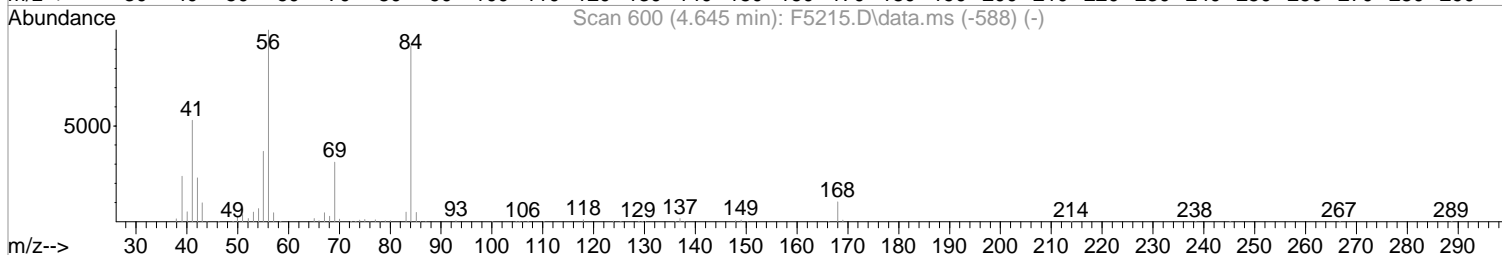
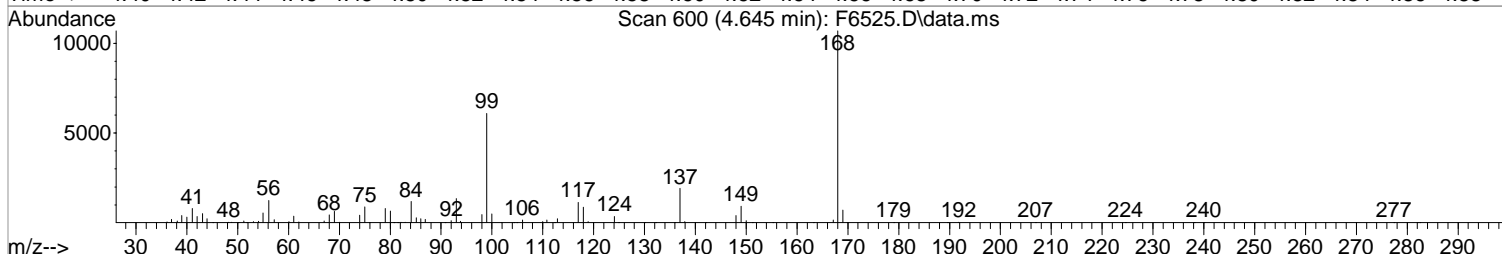
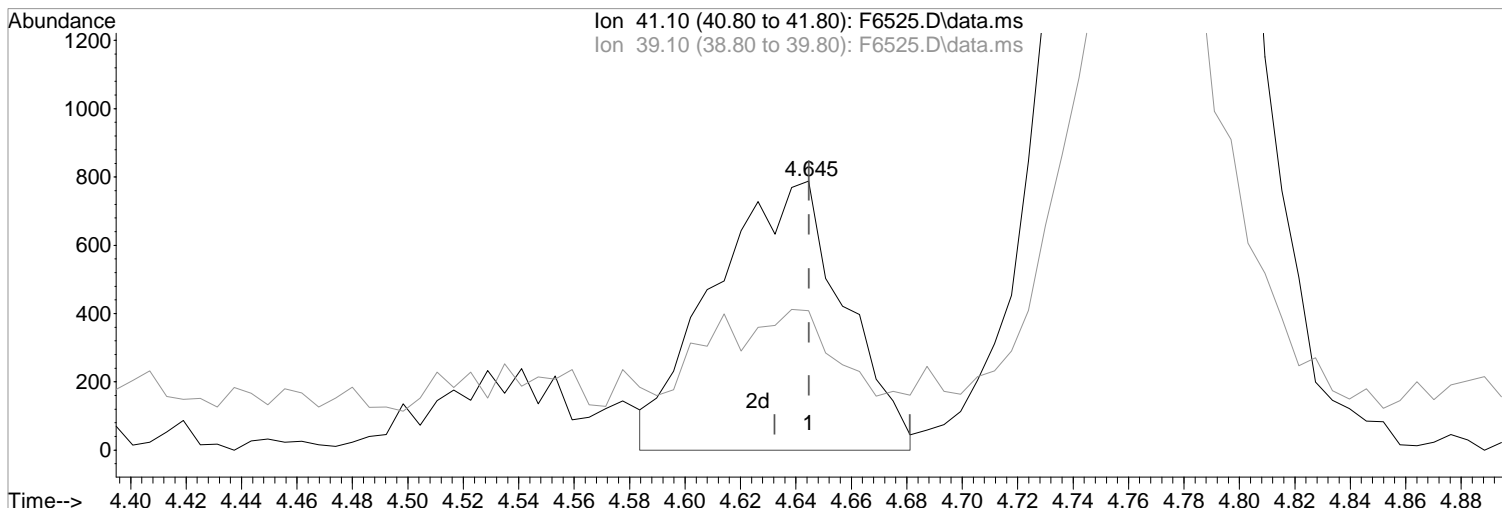
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.7	0.0	32.4
102	7.0	0.0	28.1



Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6525.D
Acq On : 8 May 2019 9:15 pm
Operator : F.NAEGLER
Sample : R1903954-007|89.5
Misc : DAY 19396 T4
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:38:23 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6525.D\data.ms

(43) Cyclohexane (P)

4.645min (-0.000) 1.35 ug/L m

response 2567

Ion	Exp%	Act%
41.10	100	100
39.10	45.30	51.78
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

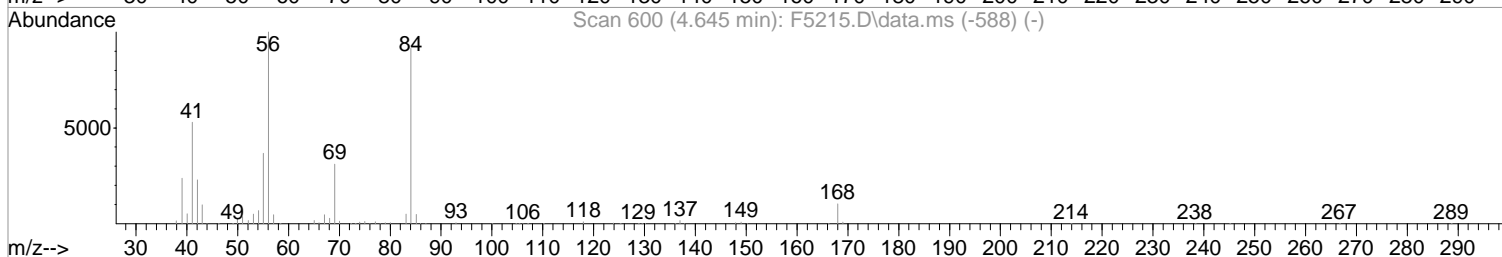
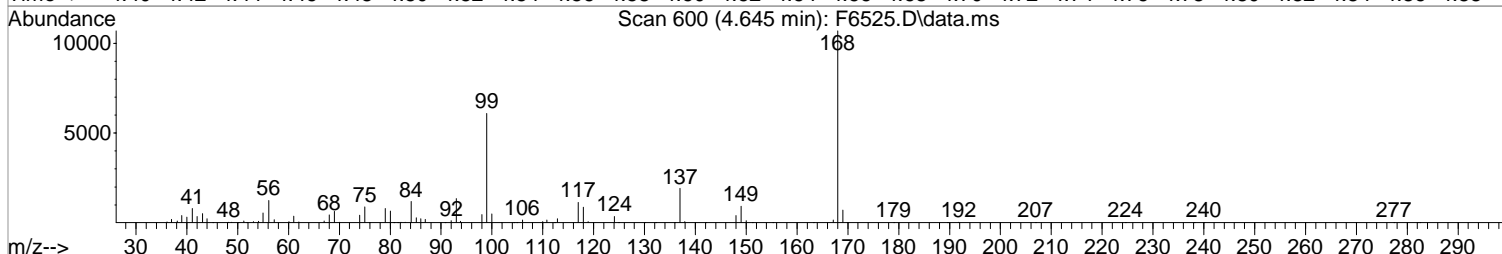
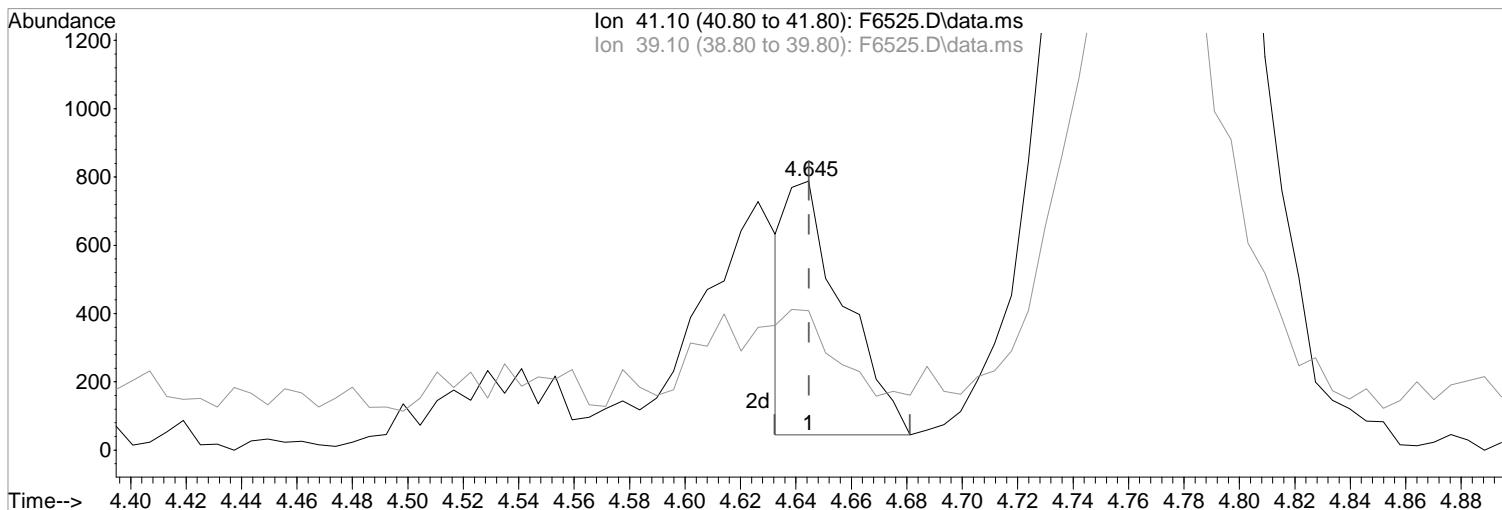
After

Poor integration.

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6525.D
Acq On : 8 May 2019 9:15 pm
Operator : F.NAEGLER
Sample : R1903954-007|89.5
Misc : DAY 19396 T4
ALS Vial : 17 Sample Multiplier: 1
Inst : MSVOA14

Quant Time: May 09 07:38:23 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6525.D\data.ms

(43) Cyclohexane (P)
4.645min (-0.000) 0.56 ug/L
response 1067

Manual Integration:
Before

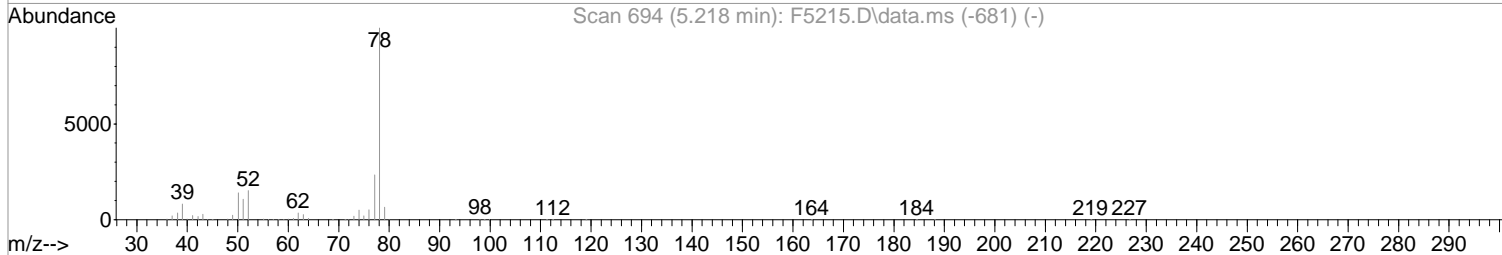
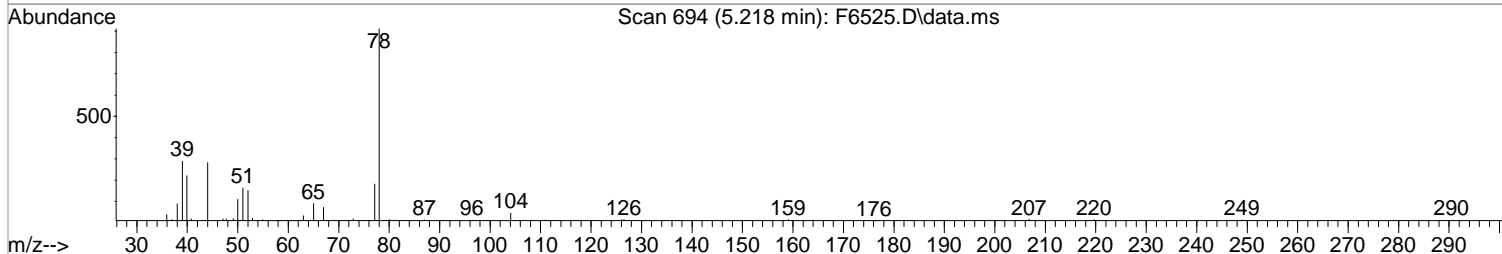
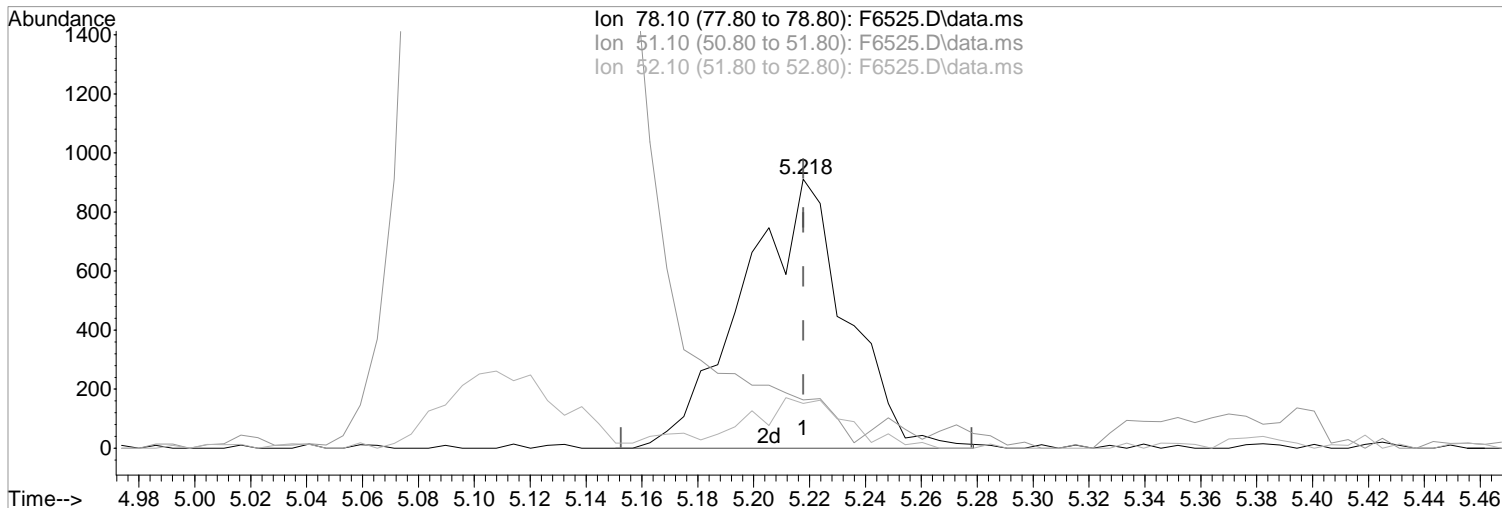
Ion	Exp%	Act%
41.10	100	100
39.10	45.30	51.78
0.00	0.00	0.00
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6525.D
Acq On : 8 May 2019 9:15 pm
Operator : F.NAEGLER
Sample : R1903954-007|89.5
Misc : DAY 19396 T4
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:38:23 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6525.D\data.ms

(48) Benzene (P)

5.218min (-0.000) 0.24 ug/L m

response 2351

Ion	Exp%	Act%
78.10	100	100
51.10	16.70	18.00
52.10	15.30	16.68
0.00	0.00	0.00

Manual Integration:

After

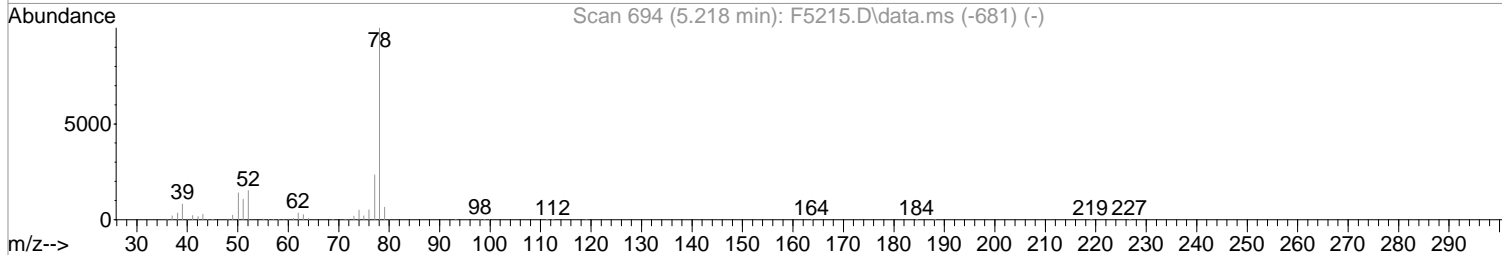
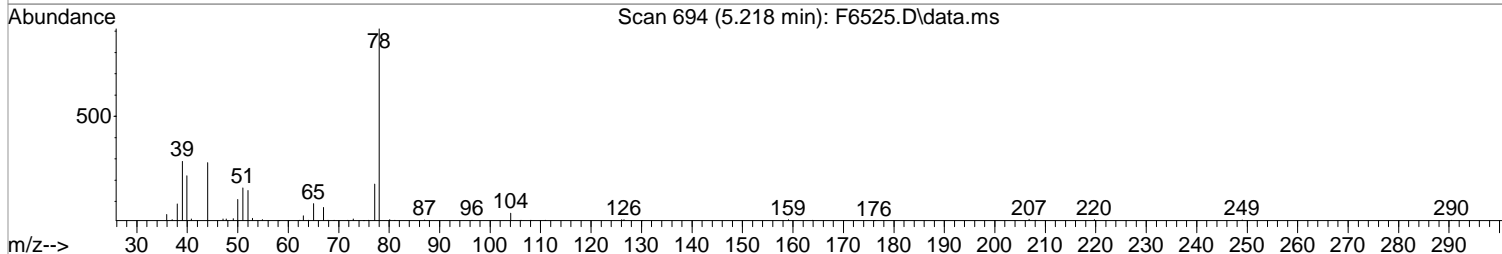
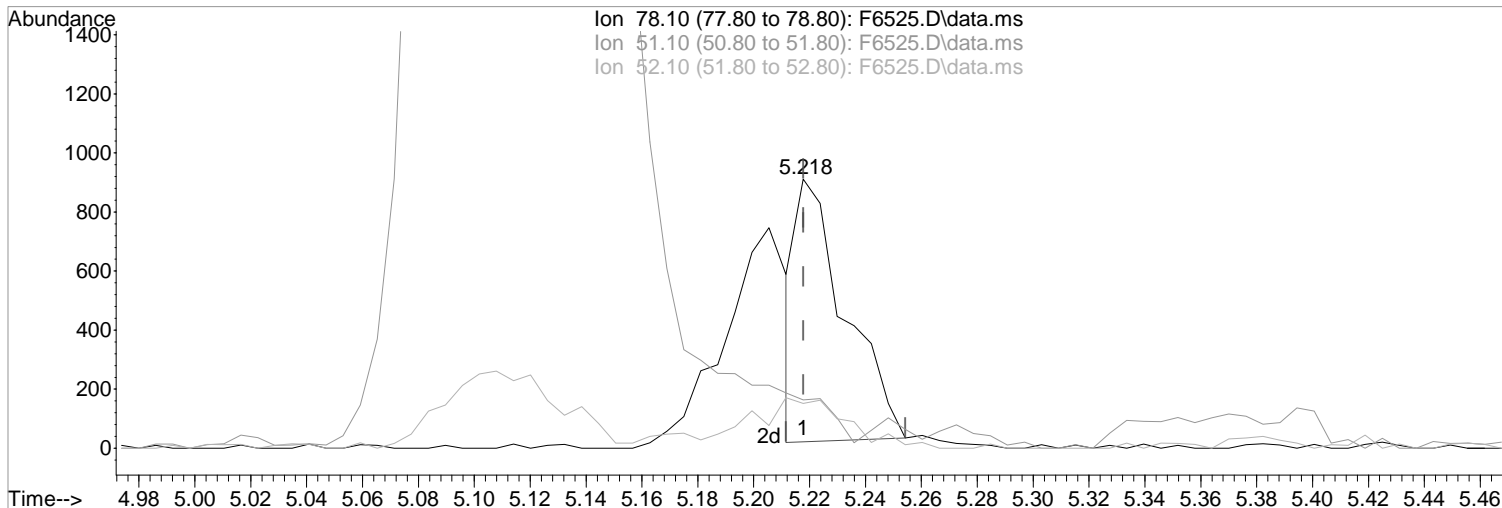
Poor integration.

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6525.D
Acq On : 8 May 2019 9:15 pm
Operator : F.NAEGLER
Sample : R1903954-007|89.5
Misc : DAY 19396 T4
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:38:23 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6525.D\data.ms

(48) Benzene (P)
5.218min (-0.000) 0.11 ug/L
response 1079

Manual Integration:
Before

Ion	Exp%	Act%
78.10	100	100
51.10	16.70	18.00
52.10	15.30	16.68
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6525.D
 Acq On : 8 May 2019 9:15 pm
 Operator : F.NAEGLER
 Sample : R1903954-007|89.5 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 10 10:39:15 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	241636	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	376096	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	329895	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	176957	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	103477	41.29	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	82.58%#		
47) surr1,1,2-dichloroetha...	5.114	65	138359	47.11	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	94.22%		
64) SURR3,Toluene-d8	7.943	98	449300	44.91	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	89.82%		
69) SURR2,BFB	10.729	95	172771	44.60	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	89.20%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	1744	0.55	ug/L	87
5) Bromomethane	1.407	94	1192	0.42	ug/L	95
15) Acetone	2.066	43	2301	1.95	ug/L	97
17) Iodomethane	2.102	142	580	1.45	ug/L	94
18) Carbon Disulfide	2.151	76	1863	0.35	ug/L	93
21) Methyl Acetate	2.322	43	36054	14.68	ug/L	98
34) 2-Butanone	3.852	43	582	0.33	ug/L	85
43) Cyclohexane	4.645	41	2567m	1.35	ug/L	
48) Benzene	5.218	78	2351m	0.24	ug/L	
51) n-Heptane	5.791	43	3650	1.48	ug/L	79
54) Methylcyclohexane	6.553	55	22985	8.67	ug/L #	42
65) Toluene	8.022	91	5751	0.54	ug/L	93
81) Ethylbenzene	9.741	106	1216	0.34	ug/L #	33
82) (m+p)Xylene	9.869	106	4584	1.04	ug/L #	84
83) o-Xylene	10.247	106	1171	0.27	ug/L #	83
87) Isopropylbenzene	10.607	105	5683	0.53	ug/L	95
94) n-Propylbenzene	10.979	91	10595	0.87	ug/L	85
98) 1,3,5-Trimethylbenzene	11.143	105	1808	0.21	ug/L #	40
100) 1,2,4-Trimethylbenzene	11.460	105	7279	0.83	ug/L #	89
102) sec-Butylbenzene	11.607	105	7416	0.69	ug/L	96
116) Naphthalen	13.551	128	2875	0.81	ug/L	96

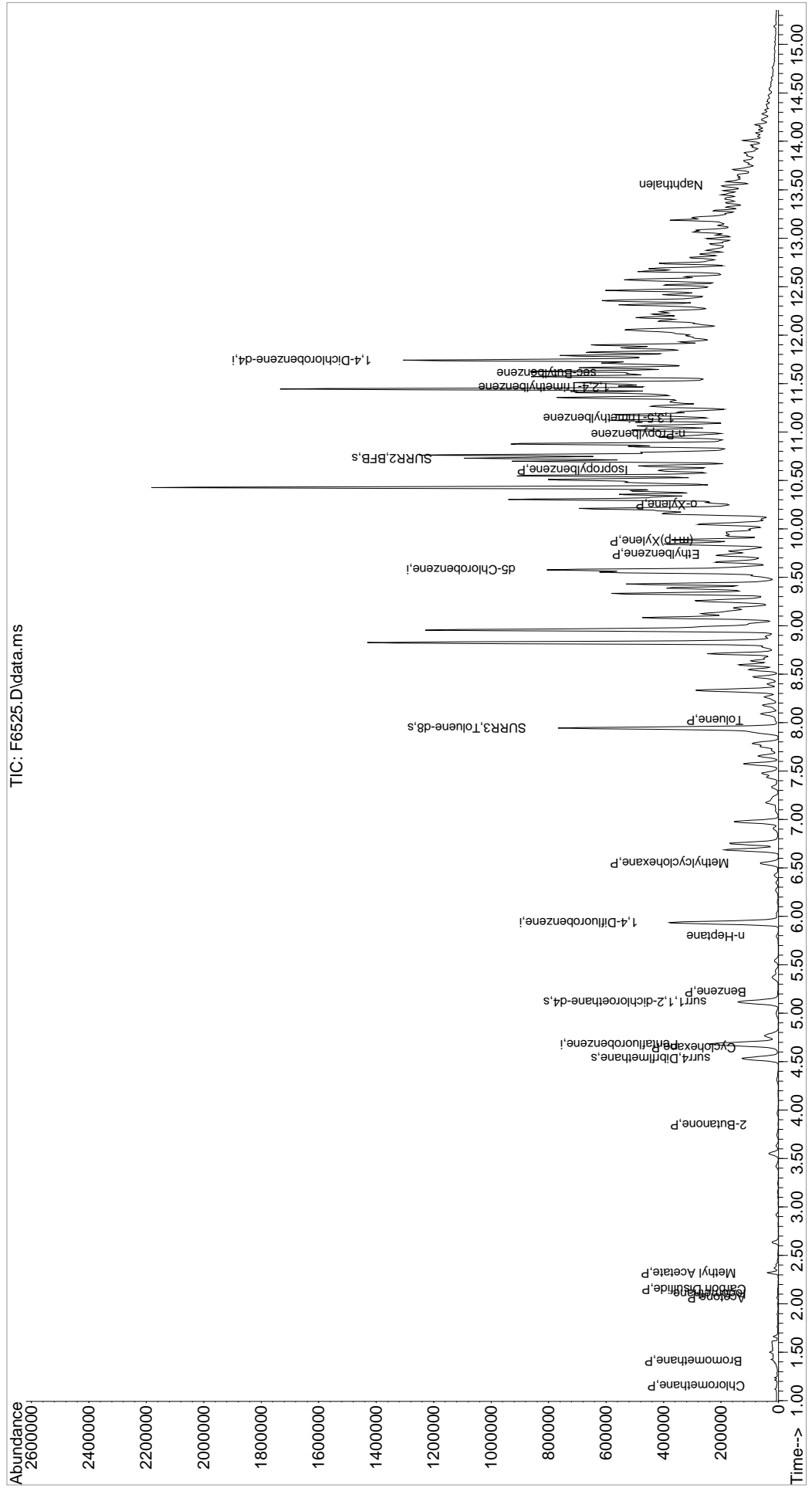
OK soil limits

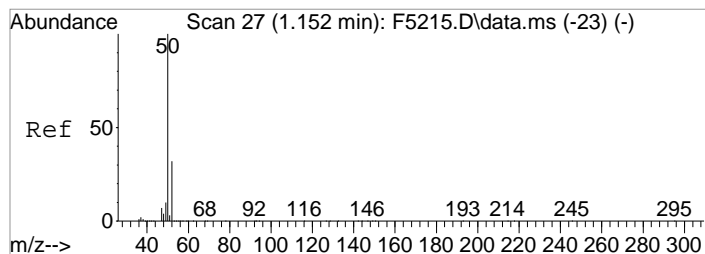
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6525.D
 Acq On : 8 May 2019 9:15 pm
 Operator : F.NAEGLER
 Sample : R1903954-007|89.5
 Misc : DAY 19396 T4
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA14

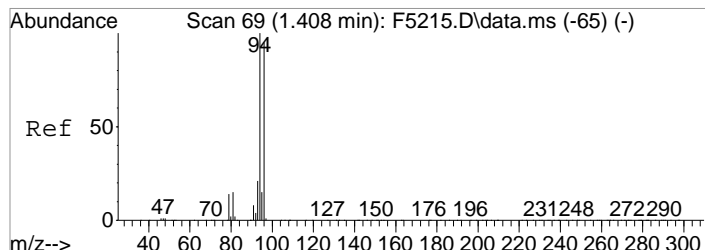
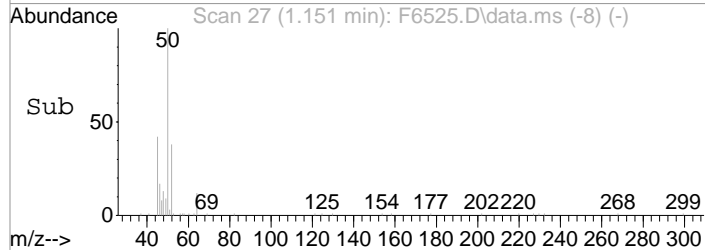
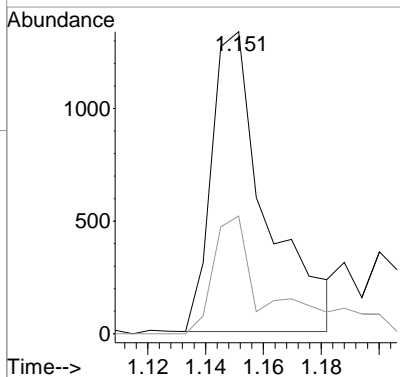
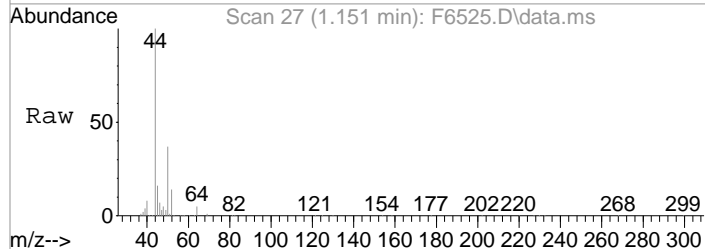
Quant Time: May 10 10:39:15 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration





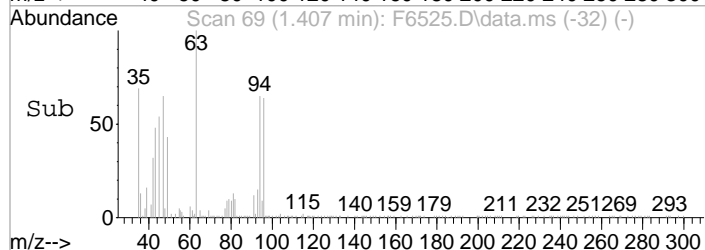
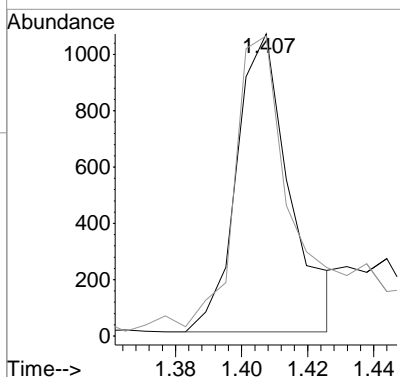
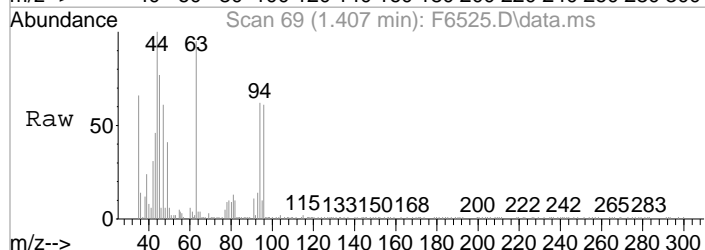
#3
 Chloromethane
 Concen: 0.55 ug/L
 RT: 1.151 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

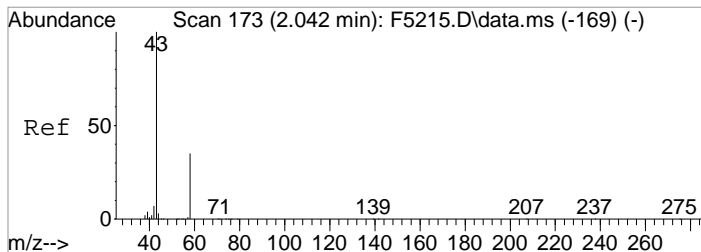
Tgt Ion	Resp	Lower	Upper
50	100		
52	38.9	11.9	51.9



#5
 Bromomethane
 Concen: 0.42 ug/L
 RT: 1.407 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

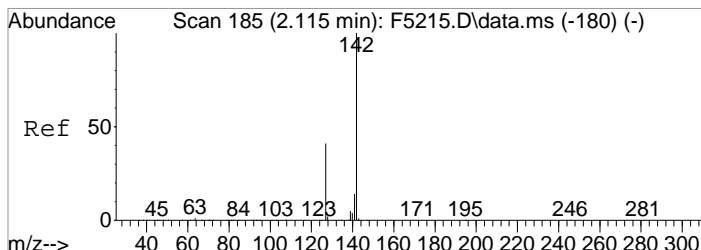
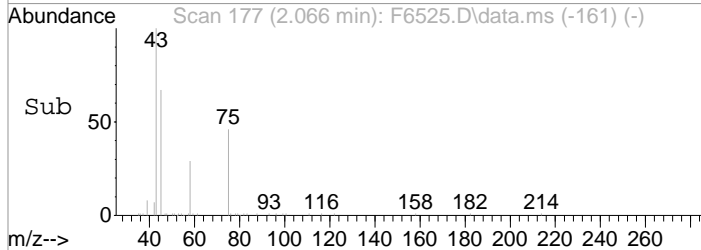
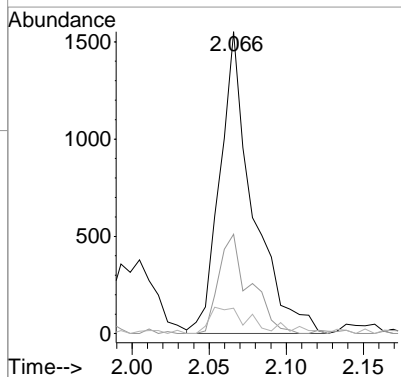
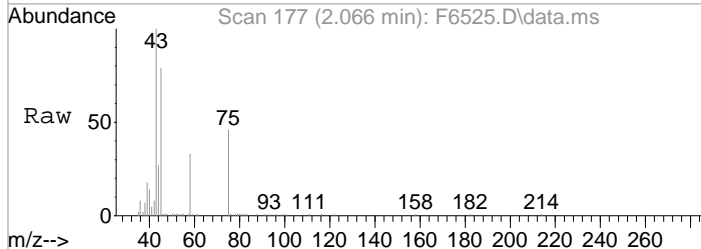
Tgt Ion	Resp	Lower	Upper
94	100		
96	99.3	74.5	114.5





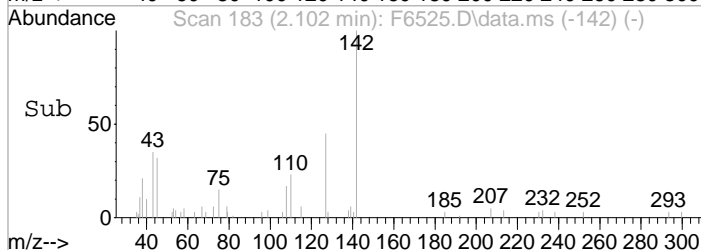
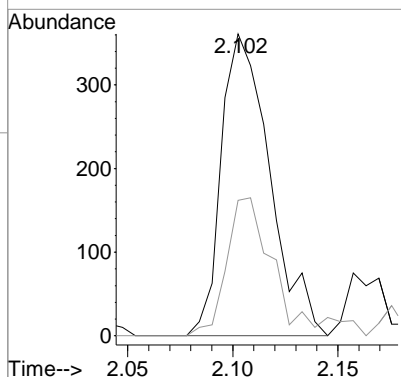
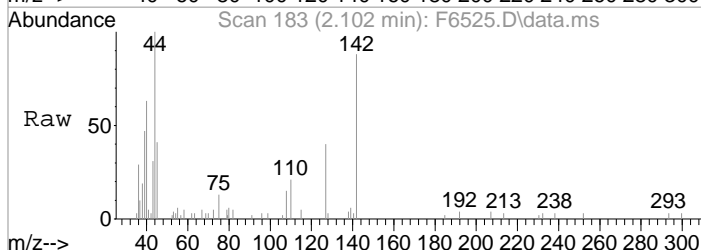
#15
 Acetone
 Concen: 1.95 ug/L
 RT: 2.066 min Scan# 177
 Delta R.T. 0.025 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

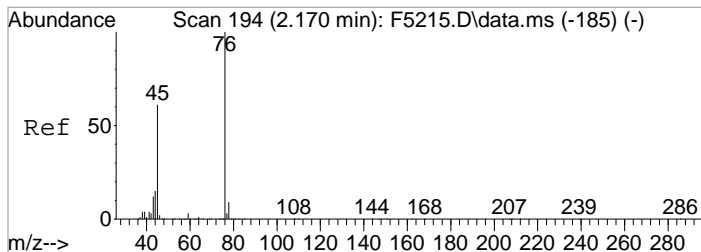
Tgt Ion	Resp	Lower	Upper
43	100		
58	32.9	14.7	54.7
42	8.4	0.0	27.4



#17
 Iodomethane
 Concen: 1.45 ug/L
 RT: 2.102 min Scan# 183
 Delta R.T. -0.012 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

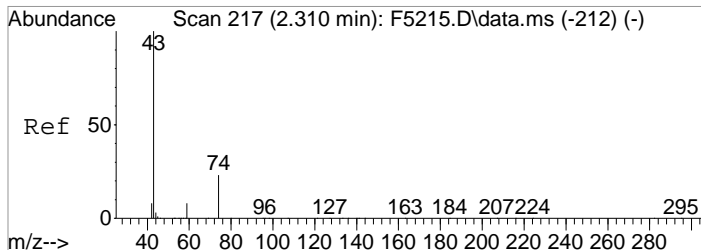
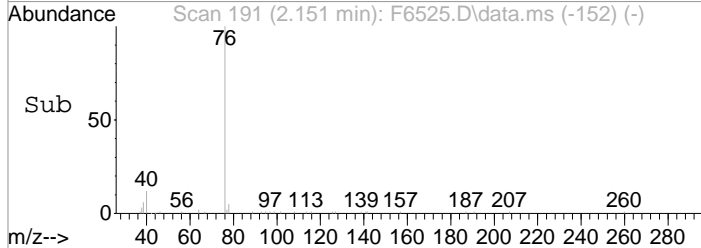
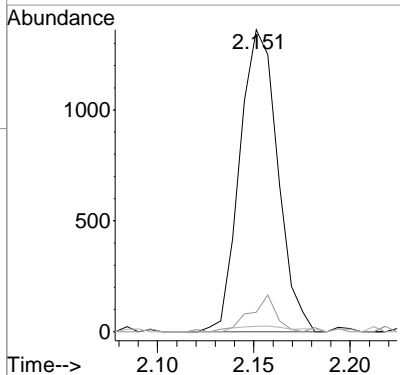
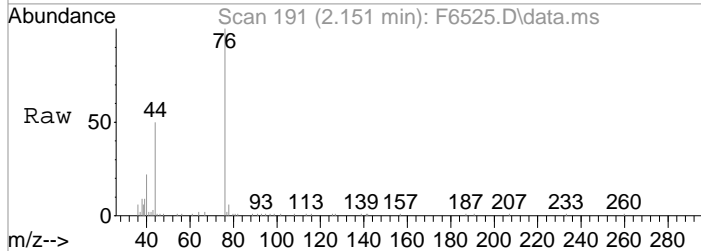
Tgt Ion	Resp	Lower	Upper
142	100		
127	44.9	21.2	61.2





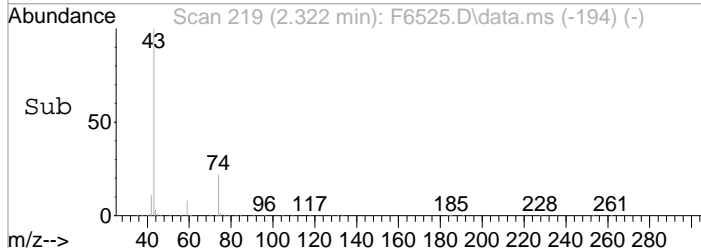
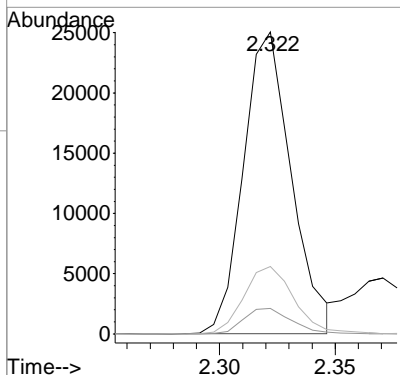
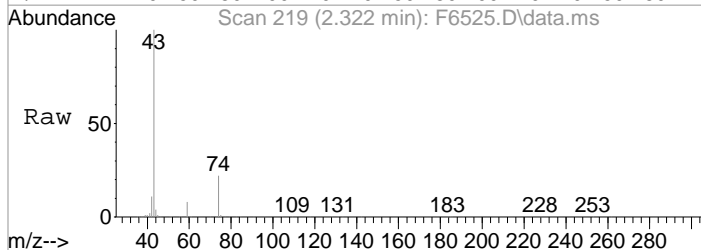
#18
 Carbon Disulfide
 Concen: 0.35 ug/L
 RT: 2.151 min Scan# 191
 Delta R.T. -0.018 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

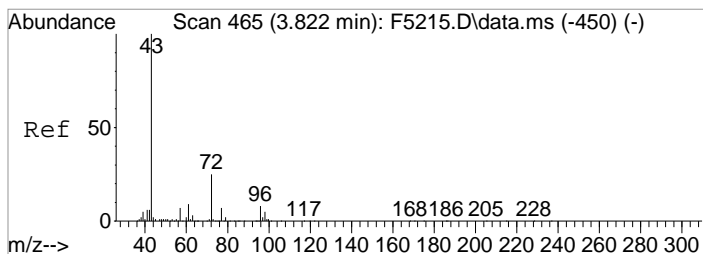
Tgt Ion	Resp	Lower	Upper
76	1863		
78	6.5	0.0	29.3
77	1.8	0.0	22.6



#21
 Methyl Acetate
 Concen: 14.68 ug/L
 RT: 2.322 min Scan# 219
 Delta R.T. 0.012 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

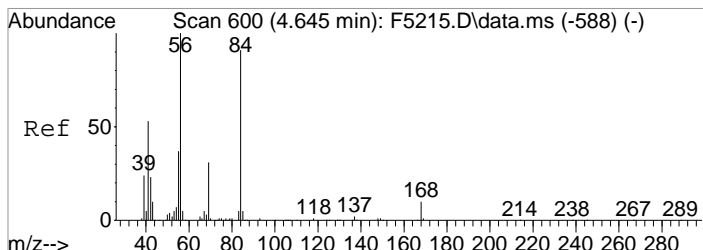
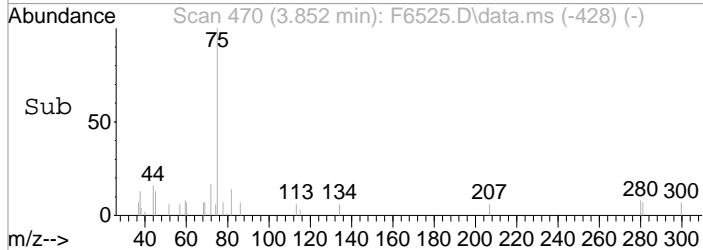
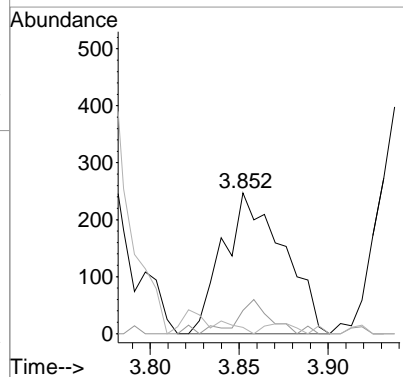
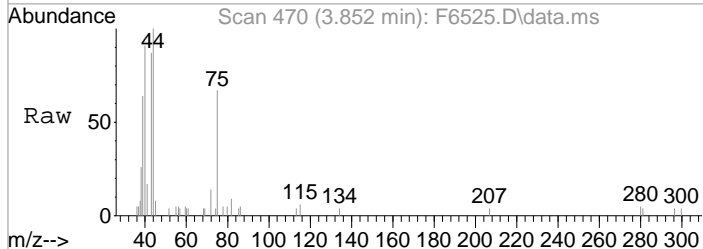
Tgt Ion	Resp	Lower	Upper
43	36054		
59	8.5	0.0	28.2
74	22.3	3.6	43.6





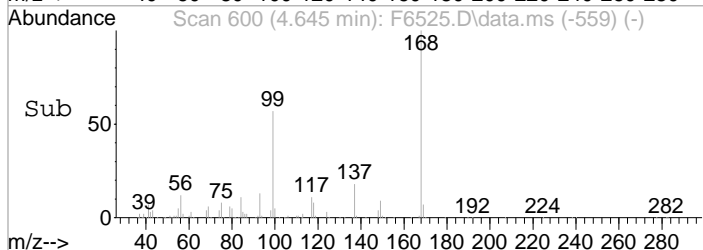
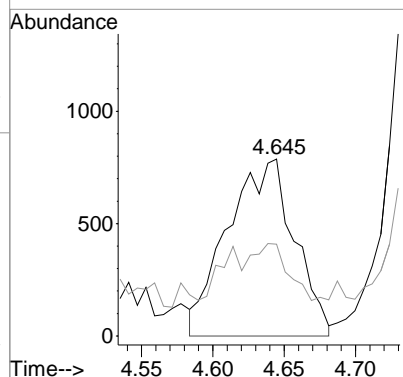
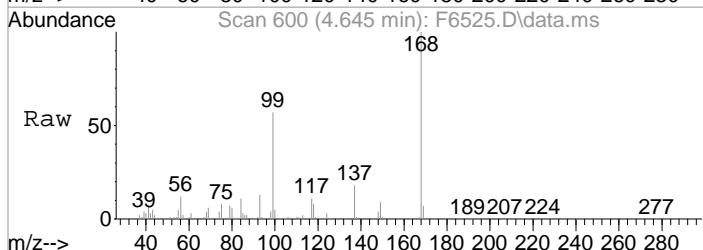
#34
 2-Butanone
 Concen: 0.33 ug/L
 RT: 3.852 min Scan# 470
 Delta R.T. 0.030 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

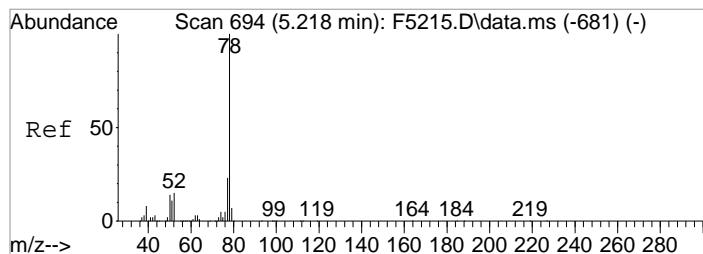
Tgt Ion	43	72	57	Resp	582	Lower	Upper
Ion Ratio	100	16.6	4.5			4.8	27.7
						44.8	



#43
 Cyclohexane
 Concen: 1.35 ug/L m
 RT: 4.645 min Scan# 600
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

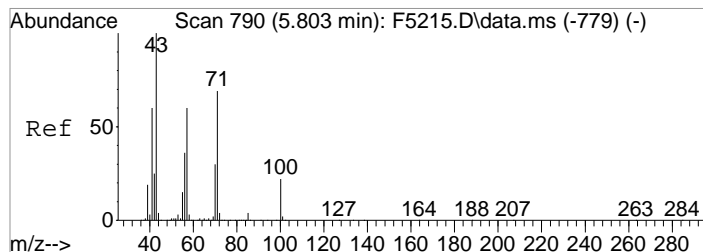
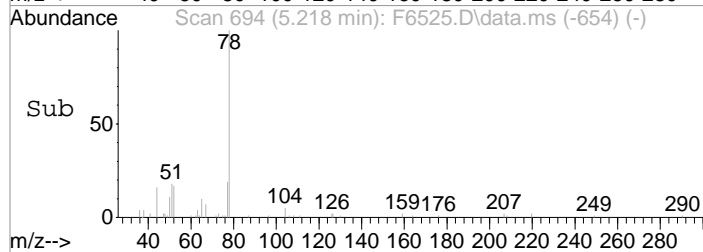
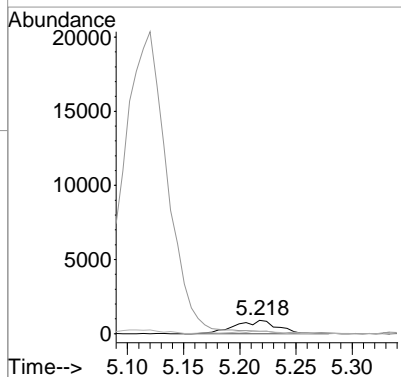
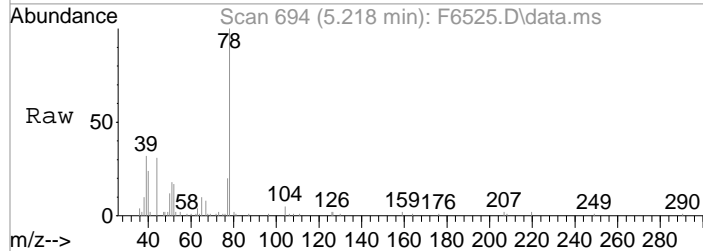
Tgt Ion	41	39	Resp	2567	Lower	Upper
Ion Ratio	100	51.8			25.3	65.3





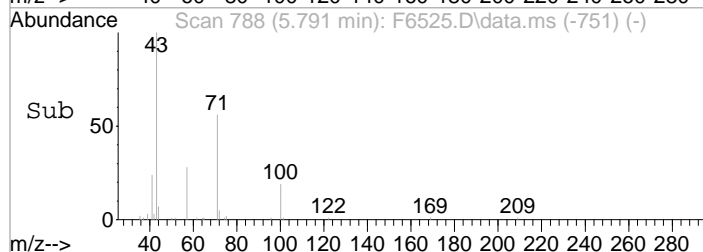
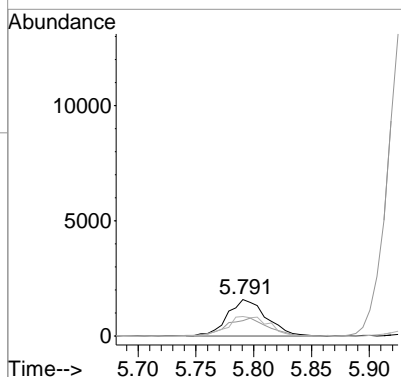
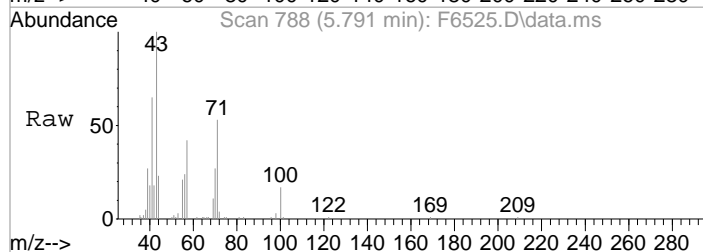
#48
 Benzene
 Concen: 0.24 ug/L m
 RT: 5.218 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

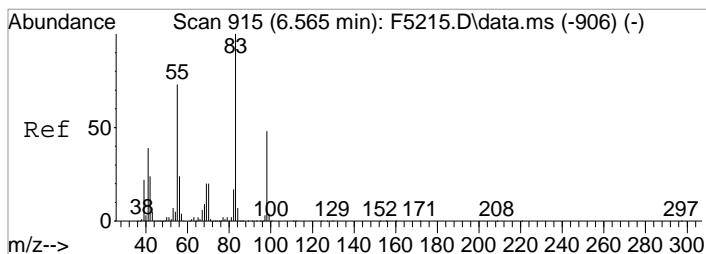
Tgt Ion	Resp	Lower	Upper
78	100		
51	18.0	0.0	36.7
52	16.7	0.0	35.3



#51
 n-Heptane
 Concen: 1.48 ug/L
 RT: 5.791 min Scan# 788
 Delta R.T. -0.012 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

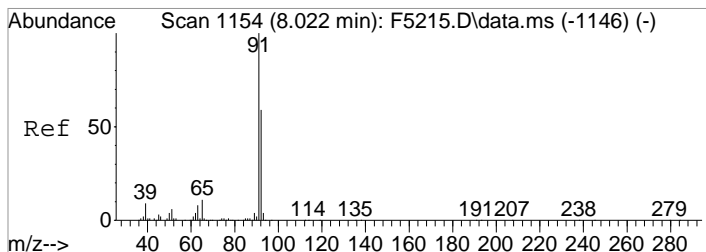
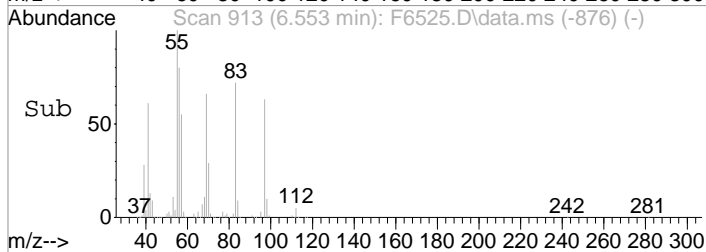
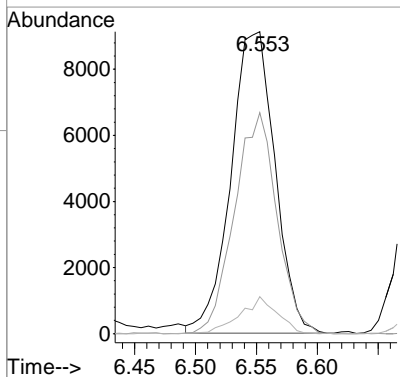
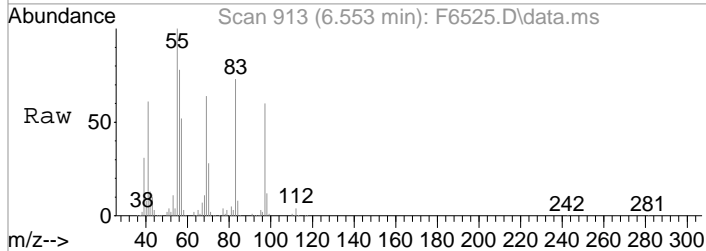
Tgt Ion	Resp	Lower	Upper
43	100		
57	42.0	39.7	79.7
71	53.1	48.7	88.7





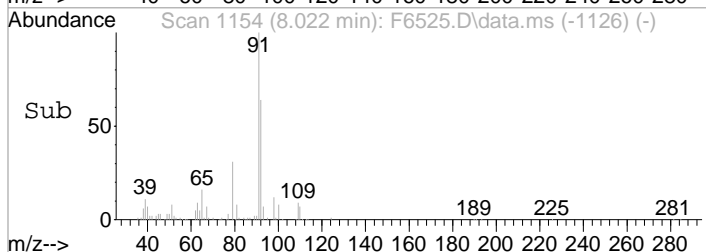
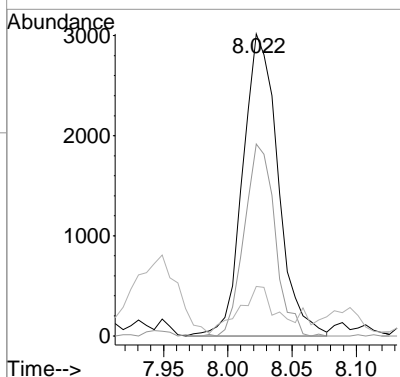
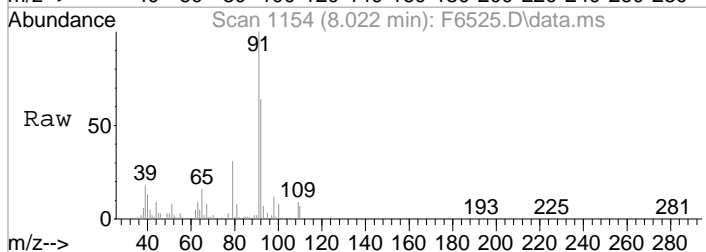
#54
 Methylcyclohexane
 Concen: 8.67 ug/L
 RT: 6.553 min Scan# 913
 Delta R.T. -0.012 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

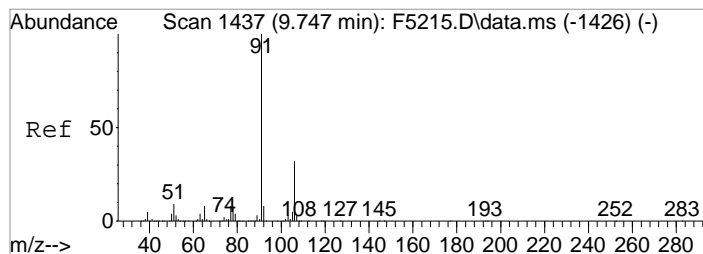
Tgt Ion	Resp	Lower	Upper
55	100		
83	73.2	116.5	156.5#
98	12.2	45.8	85.8#



#65
 Toluene
 Concen: 0.54 ug/L
 RT: 8.022 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

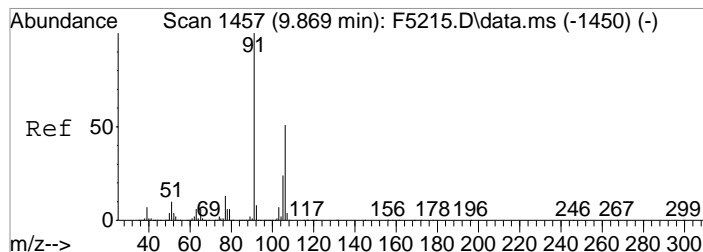
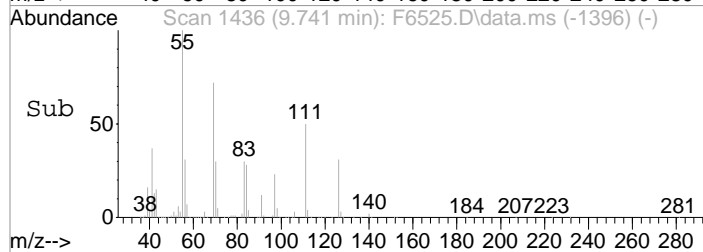
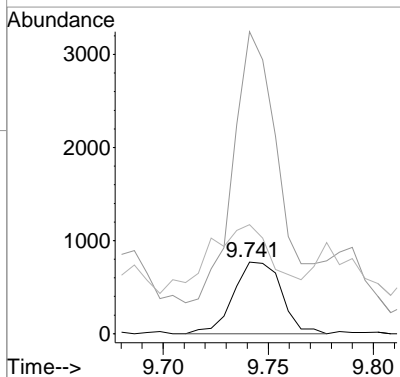
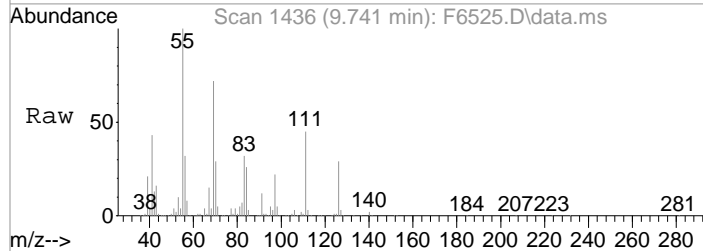
Tgt Ion	Resp	Lower	Upper
91	100		
92	63.5	39.1	79.1
65	16.4	0.0	31.2





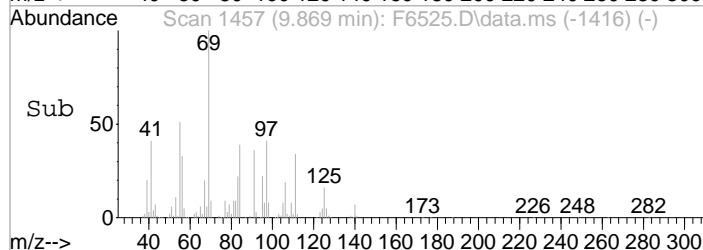
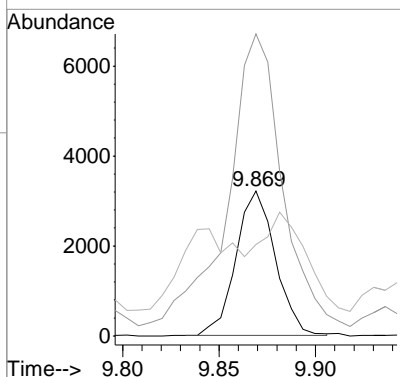
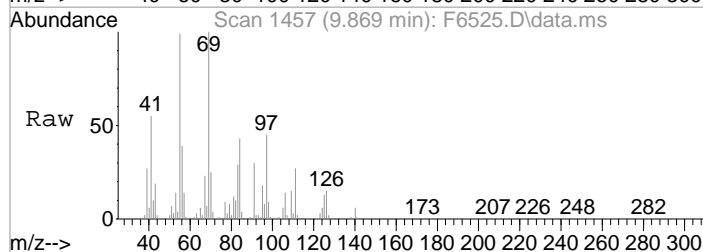
#81
 Ethylbenzene
 Concen: 0.34 ug/L
 RT: 9.741 min Scan# 1436
 Delta R.T. -0.006 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

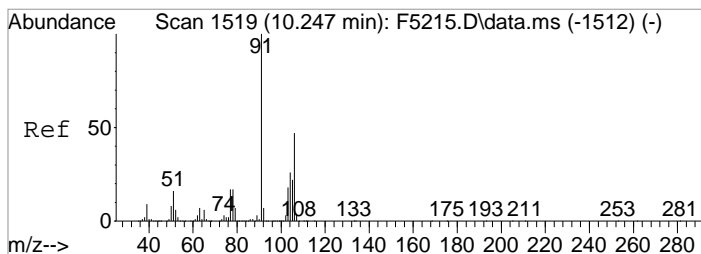
Tgt Ion	106	Resp:	1216
Ion Ratio	Lower	Upper	
106	100		
91	420.8	294.3	334.3#
65	152.0	4.8	44.8#



#82
 (m+p)Xylene
 Concen: 1.04 ug/L
 RT: 9.869 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

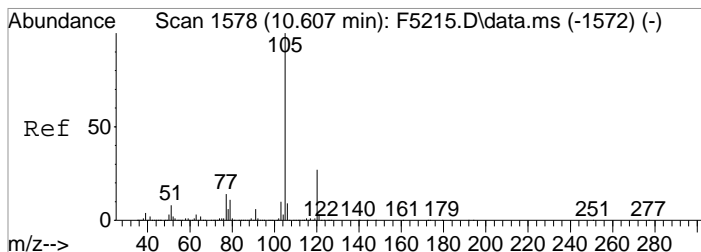
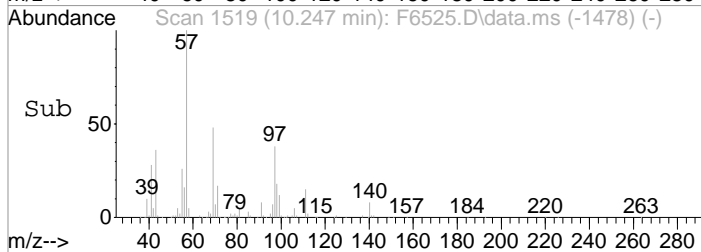
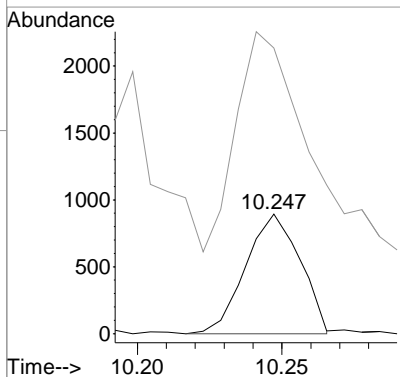
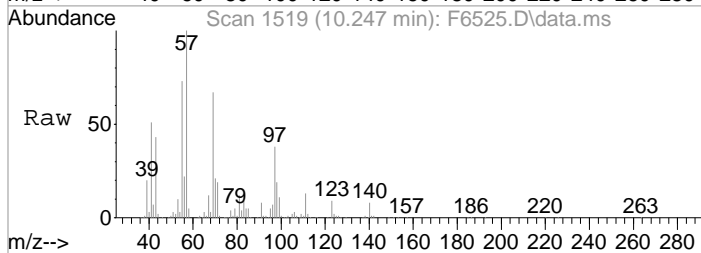
Tgt Ion	106	Resp:	4584
Ion Ratio	Lower	Upper	
106	100		
91	208.5	176.2	216.2
77	63.2	5.1	45.1#





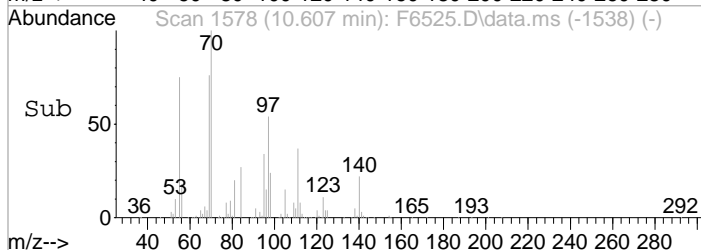
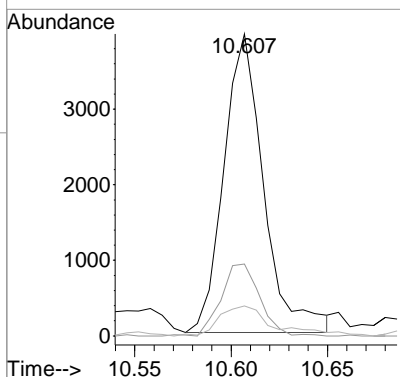
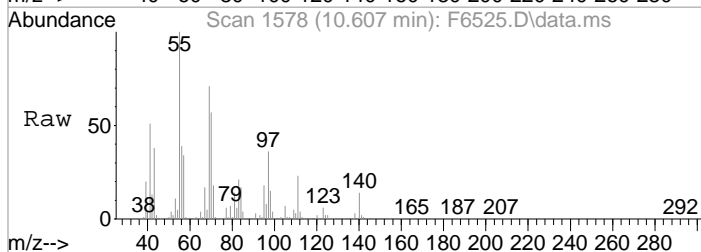
#83
 o-Xylene
 Concen: 0.27 ug/L
 RT: 10.247 min Scan# 1519
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

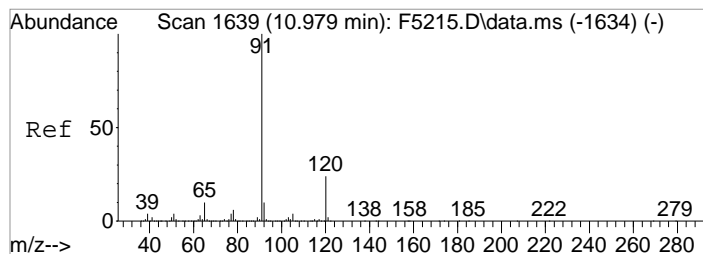
Tgt Ion	Resp	Lower	Upper
106	1171		
91	239.2	192.0	232.0#



#87
 Isopropylbenzene
 Concen: 0.53 ug/L
 RT: 10.607 min Scan# 1578
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

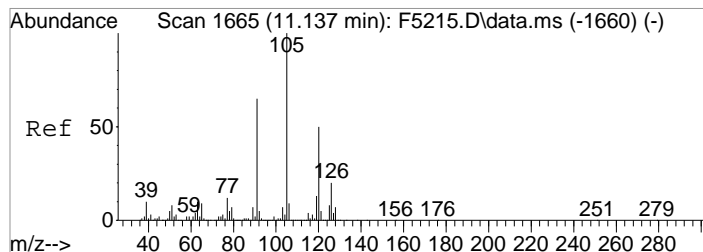
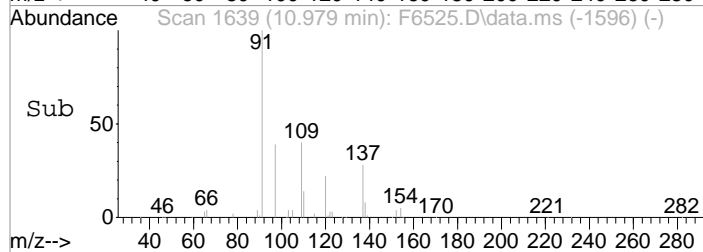
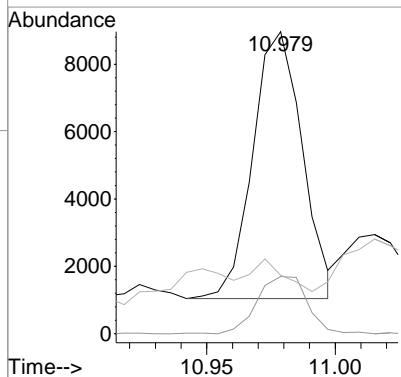
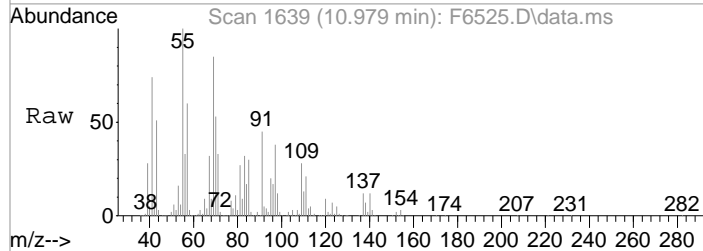
Tgt Ion	Resp	Lower	Upper
105	5683		
120	23.8	6.5	46.5
106	10.0	0.0	28.8





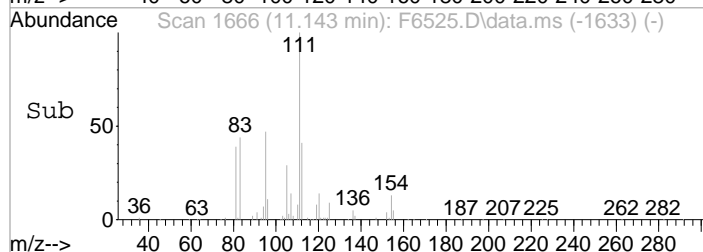
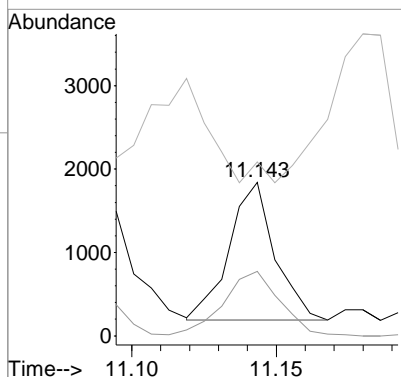
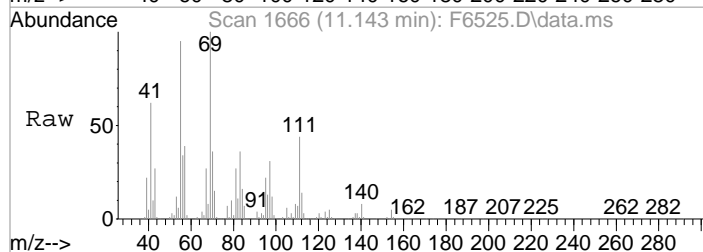
#94
 n-Propylbenzene
 Concen: 0.87 ug/L
 RT: 10.979 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

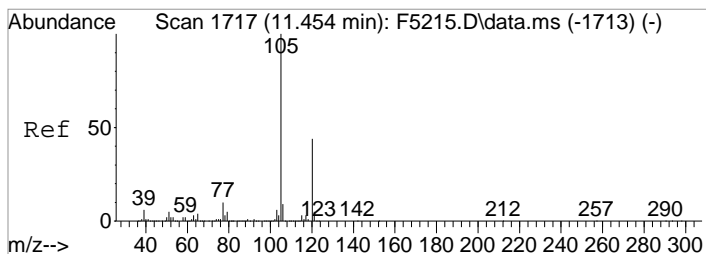
Tgt Ion	Resp	Lower	Upper
91	10595		
120	18.9	3.7	43.7
65	19.4	0.0	29.5



#98
 1,3,5-Trimethylbenzene
 Concen: 0.21 ug/L
 RT: 11.143 min Scan# 1666
 Delta R.T. 0.006 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

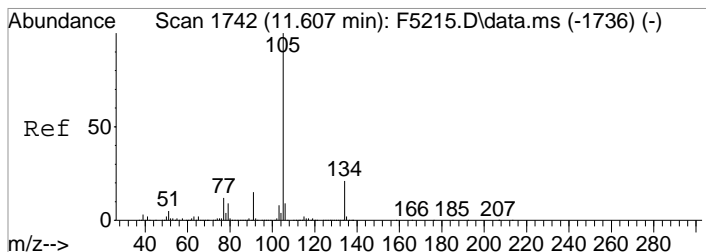
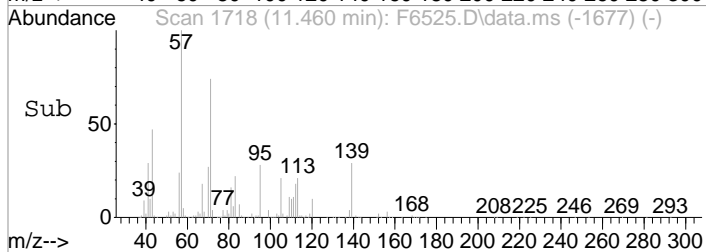
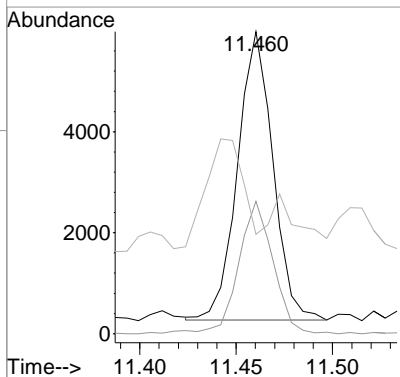
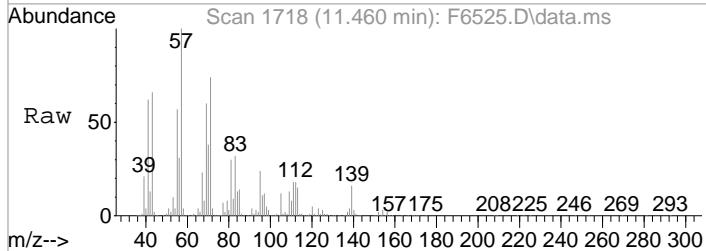
Tgt Ion	Resp	Lower	Upper
105	1808		
120	42.0	30.2	70.2
77	113.2	0.0	32.3#





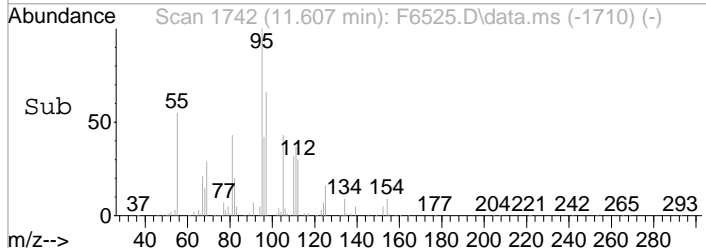
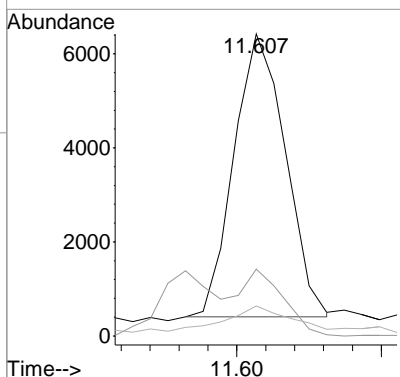
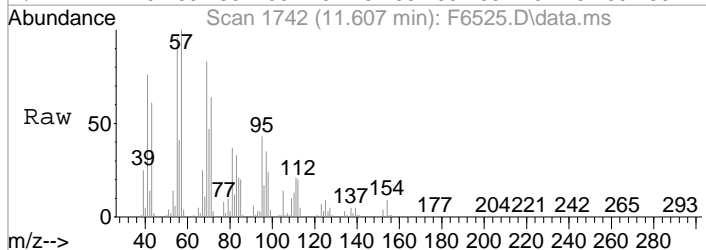
#100
 1,2,4-Trimethylbenzene
 Concen: 0.83 ug/L
 RT: 11.460 min Scan# 1718
 Delta R.T. 0.006 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

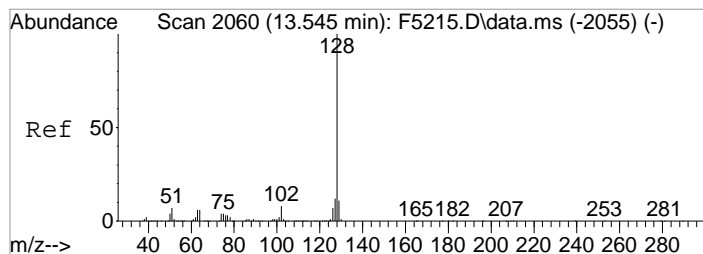
Tgt Ion	Resp	Lower	Upper
105	100		
120	43.8	26.3	66.3
65	32.9	0.0	24.4#



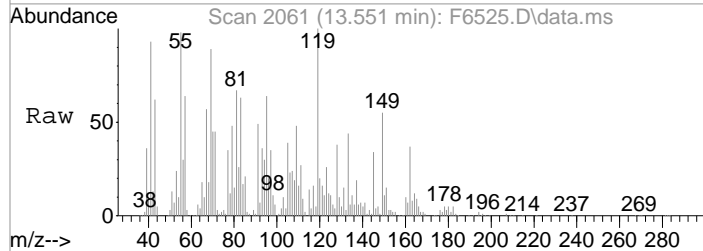
#102
 sec-Butylbenzene
 Concen: 0.69 ug/L
 RT: 11.607 min Scan# 1742
 Delta R.T. -0.000 min
 Lab File: F6525.D
 Acq: 8 May 2019 9:15 pm

Tgt Ion	Resp	Lower	Upper
105	100		
134	22.1	0.7	40.7
103	10.0	0.0	27.8

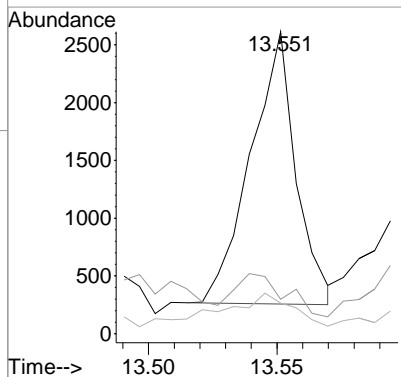
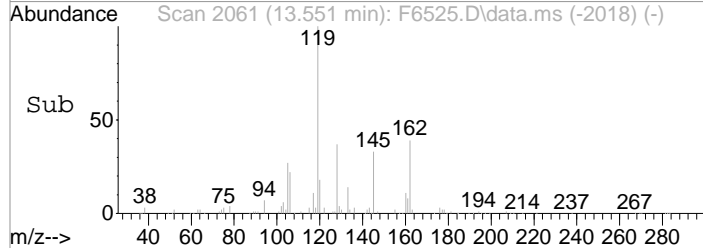




#116
Naphthalen
Concen: 0.81 ug/L
RT: 13.551 min Scan# 2061
Delta R.T. 0.006 min
Lab File: F6525.D
Acq: 8 May 2019 9:15 pm



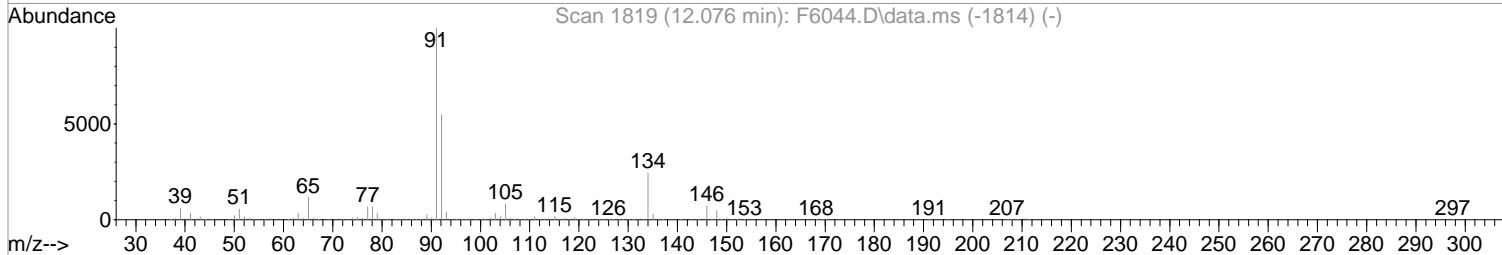
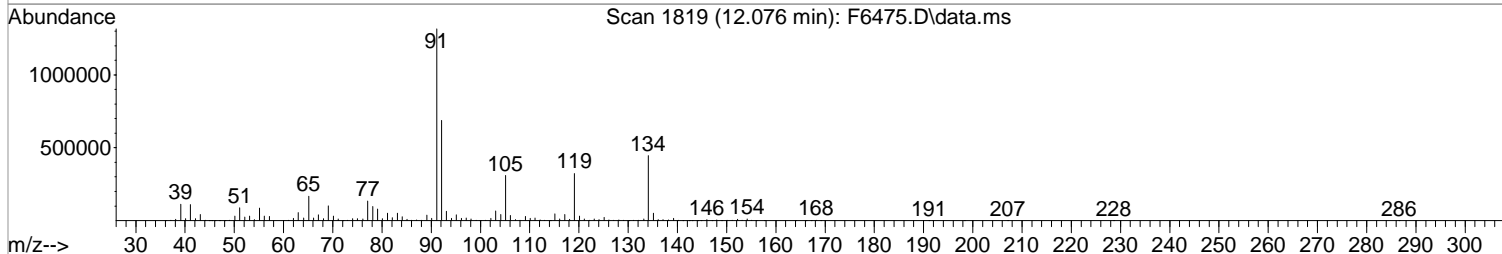
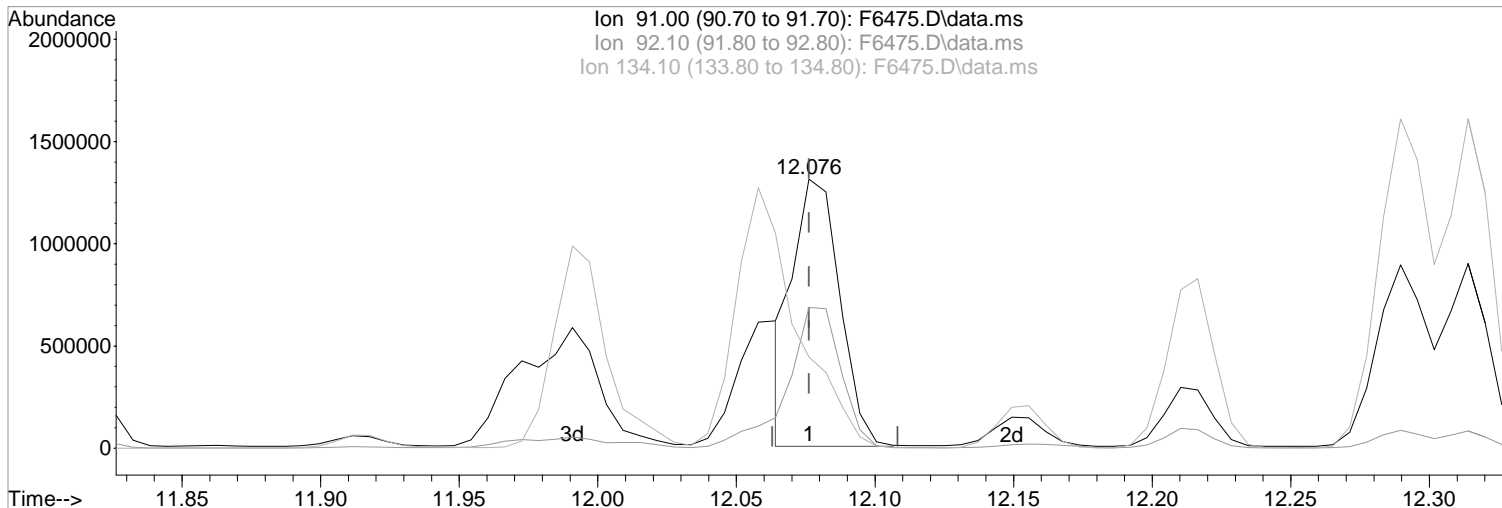
Tgt Ion	Resp	Lower	Upper
128	100		
127	11.4	0.0	32.4
102	10.1	0.0	28.1



Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6475.D
Acq On : 4 May 2019 11:17 pm
Operator : F.NAEGLER
Sample : R1903954-009|0.71
Misc : DAY 19396 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 09:06:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(101) n-Butylbenzene

12.076min (-0.000) 136.49 ug/L m

response 1531412

Ion	Exp%	Act%
91.00	100	100
92.10	50.70	52.32
134.10	24.50	33.93
0.00	0.00	0.00

Manual Integration:

After

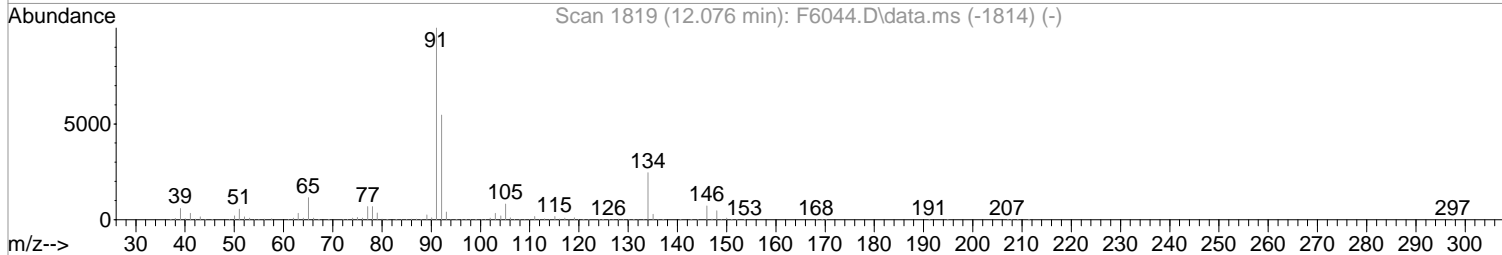
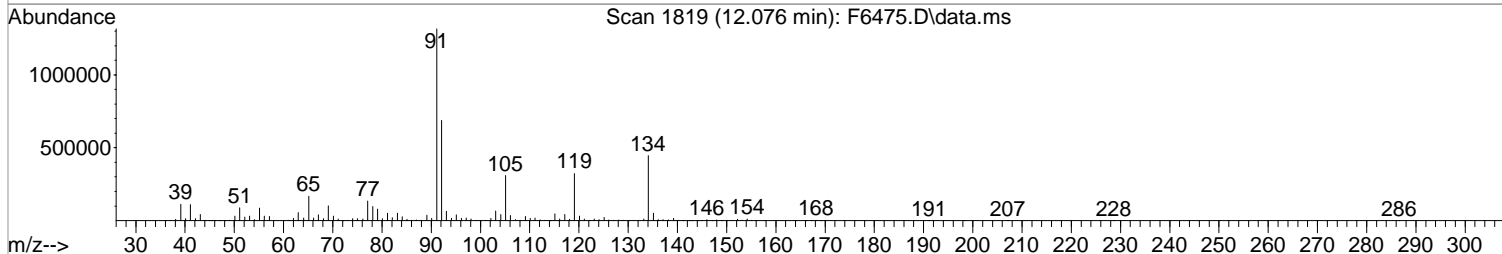
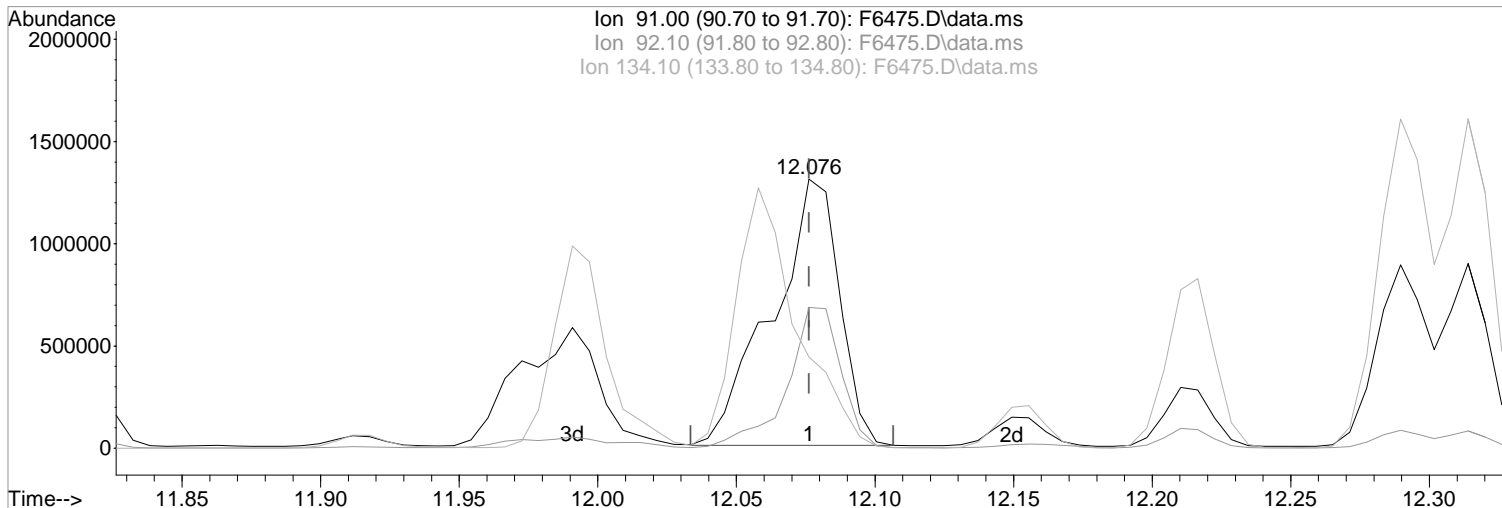
Poor integration.

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6475.D
Acq On : 4 May 2019 11:17 pm
Operator : F.NAEGLER
Sample : R1903954-009|0.71
Misc : DAY 19396 T4
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 09:06:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(101) n-Butylbenzene
12.076min (-0.000) 195.05 ug/L
response 2188439

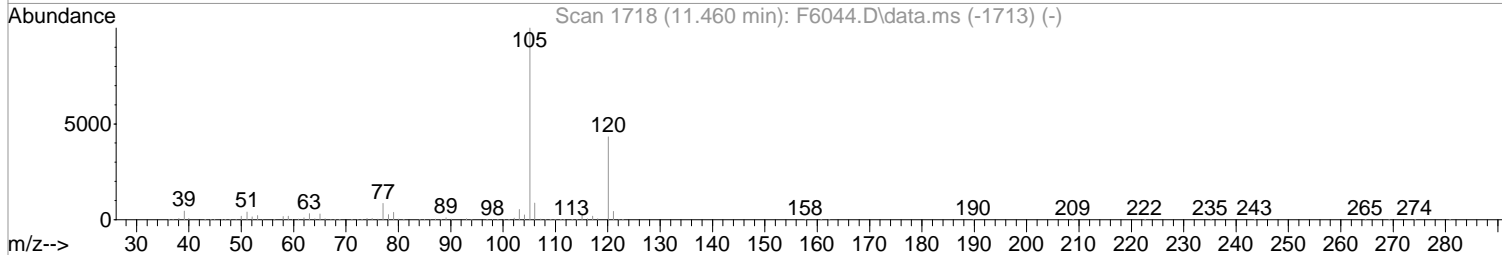
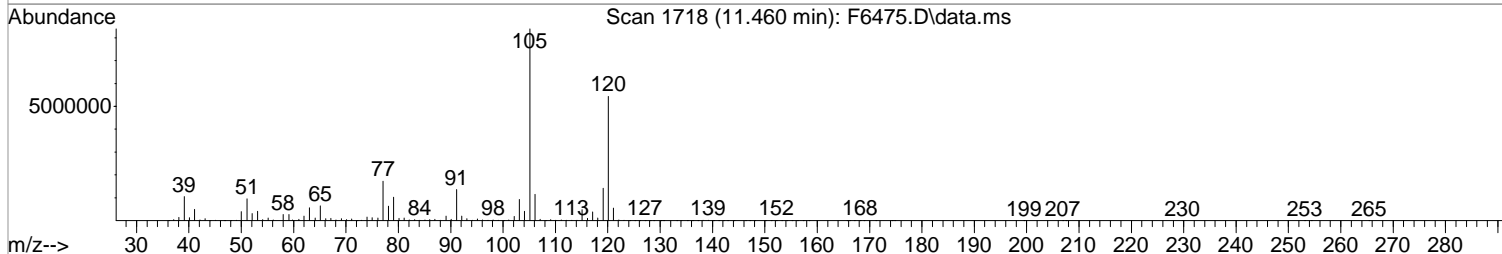
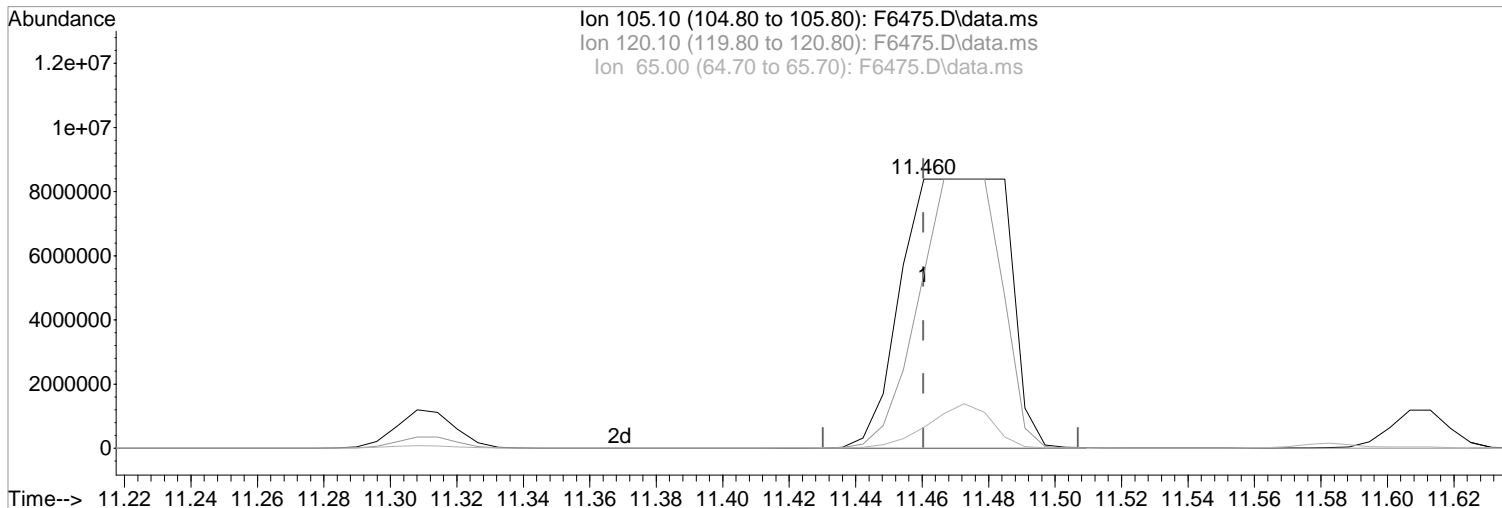
Manual Integration:
Before

Ion	Exp%	Act%
91.00	100	100
92.10	50.70	52.32
134.10	24.50	33.93
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6475.D
Acq On : 4 May 2019 11:17 pm
Operator : F.NAEGLER
Sample : R1903954-009|0.71 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 06 09:06:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(96) 1,2,4-Trimethylbenzene

11.460min (-0.000) 1710.29 ug/L m
response 18690313

Ion	Exp%	Act%
105.10	100	100
120.10	44.60	64.80#
65.00	5.30	7.77
0.00	0.00	0.00

Manual Integration:

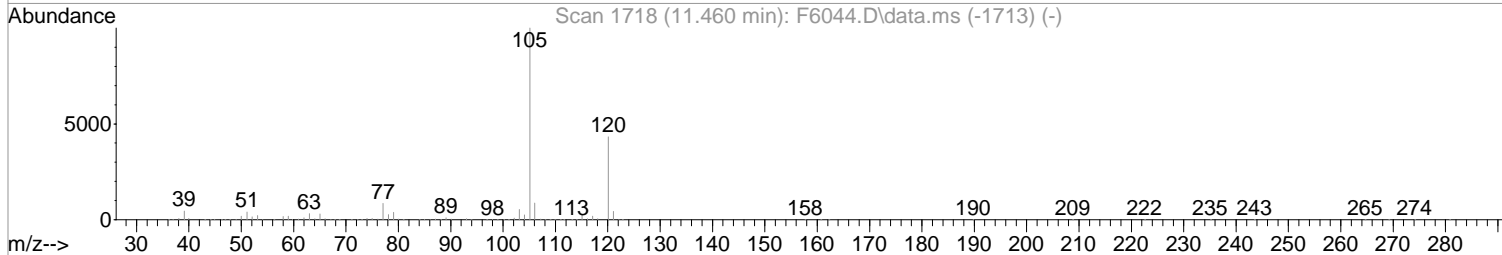
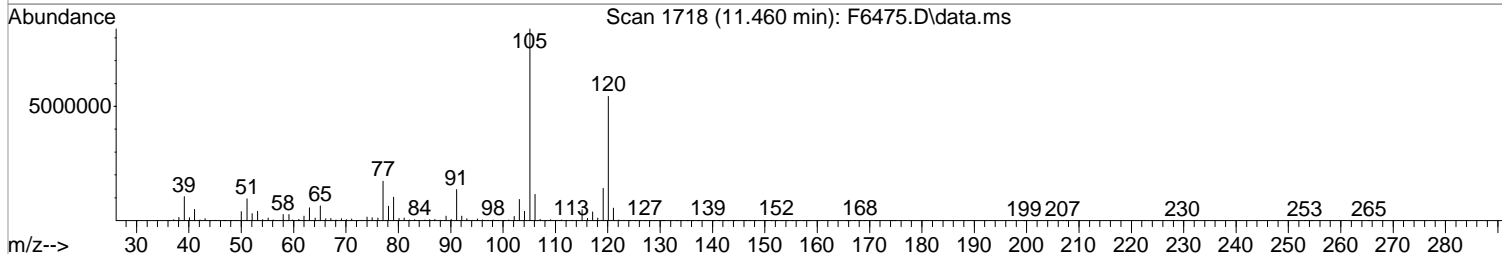
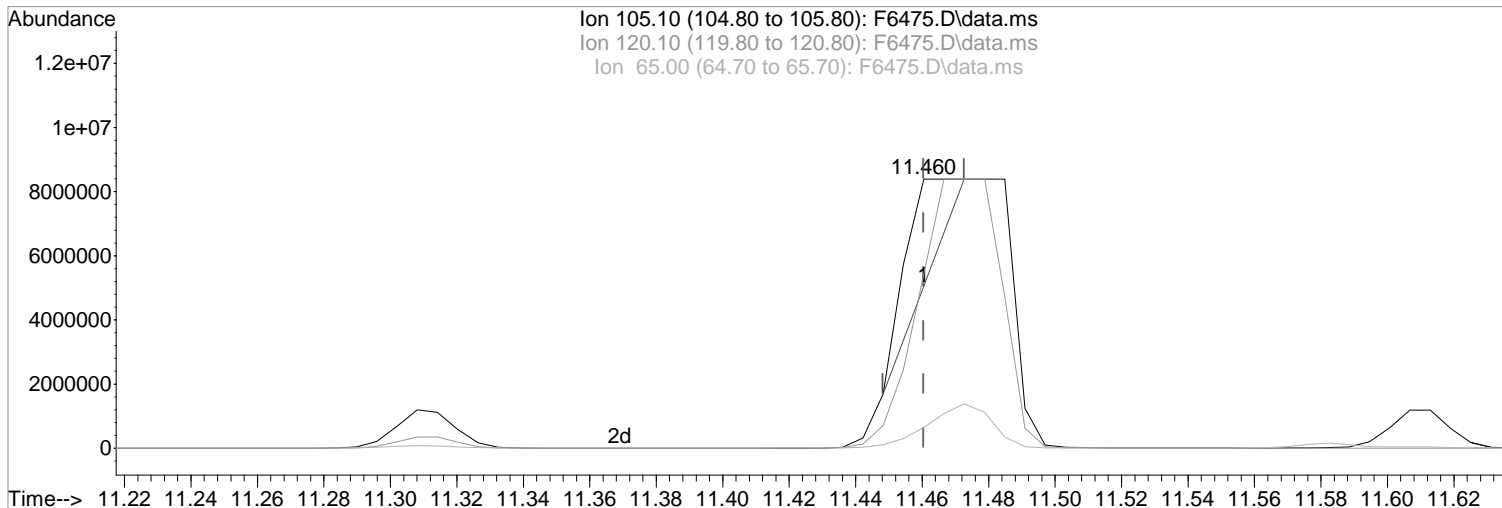
After

Poor integration.

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6475.D
Acq On : 4 May 2019 11:17 pm
Operator : F.NAEGLER
Sample : R1903954-009|0.71 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 06 09:06:54 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(96) 1,2,4-Trimethylbenzene
11.460min (-0.000) 415.50 ug/L
response 4540621

Manual Integration:
Before

Ion	Exp%	Act%
105.10	100	100
120.10	44.60	64.80#
65.00	5.30	7.77
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6475.D
 Acq On : 4 May 2019 11:17 pm
 Operator : F.NAEGLER
 Sample : R1903954-009|0.71 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 08 11:47:37 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

rpt MED (1/50)

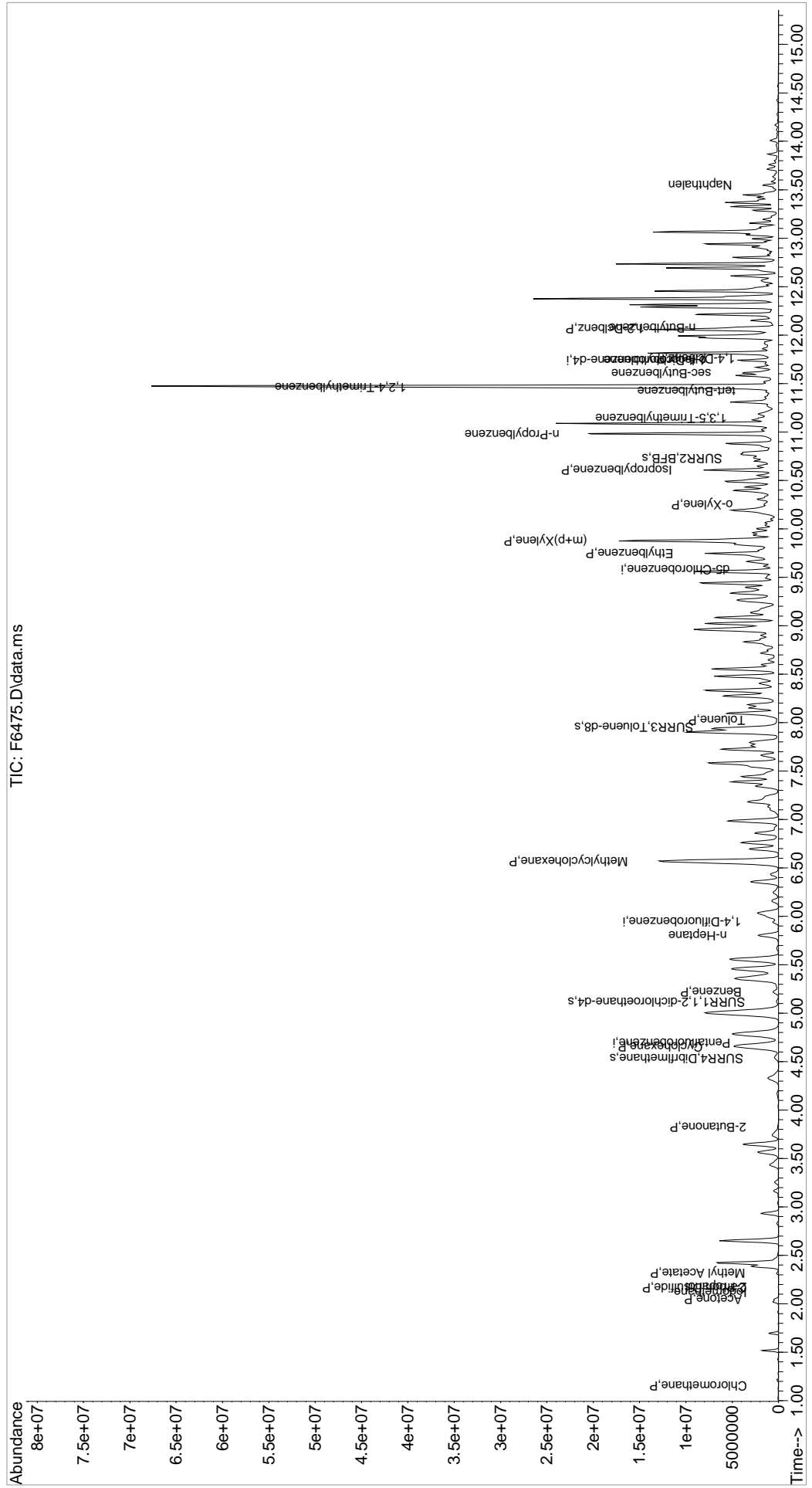
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.693	168	367587	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	575473	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.583	117	482508	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	204003	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	161445	47.23	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	94.46%		
47) SURR1,1,2-dichloroetha...	5.120	65	197678	48.03	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	96.06%		
64) SURR3,Toluene-d8	7.949	98	847612	60.72	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	121.44%		
69) SURR2,BFB	10.729	95	245729	44.00	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	88.00%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	1758	0.37	ug/L	78
5) Bromomethane	1.414	94	1213	Below Cal	#	77
15) Acetone	2.048	43	430446	300.92	ug/L	91
16) 2-Propanol	2.176	45	22838	78.65	ug/L	88
17) Iodomethane	2.121	142	710	1.17	ug/L	85
18) Carbon Disulfide	2.170	76	16239	1.71	ug/L	99
21) Methyl Acetate	2.316	43	191784	68.12	ug/L	99
34) 2-Butanone	3.828	43	66010	33.93	ug/L	94
43) Cyclohexane	4.657	41	2076516	602.24	ug/L	74
48) Benzene	5.218	78	719487	49.79	ug/L	96
51) n-Heptane	5.803	43	1021774	210.52	ug/L	98
54) Methylcyclohexane	6.571	55	5508609	1119.59	ug/L #	81
65) Toluene	8.028	91	92939	5.92	ug/L	99
79) Ethylbenzene	9.747	106	1081554	210.13	ug/L	92
80) (m+p)Xylene	9.875	106	3483887	550.15	ug/L	96
81) o-Xylene	10.247	106	150437	24.19	ug/L	100
84) Isopropylbenzene	10.607	105	3346498	206.29	ug/L	100
91) n-Propylbenzene	10.979	91	11685956	750.27	ug/L	95
94) 1,3,5-Trimethylbenzene	11.143	105	370346	34.11	ug/L	97
95) tert-Butylbenzene	11.424	119	85311	8.89	ug/L	98
96) 1,2,4-Trimethylbenzene	11.460	105	18690313m	1710.29	ug/L	99
97) sec-Butylbenzene	11.607	105	1494032	102.29	ug/L	99
98) p-Isopropyltoluene	11.741	119	1088811	90.47	ug/L	98
100) 1,4-Dclbenz	11.759	146	3997	0.60	ug/L #	1
101) n-Butylbenzene	12.076	91	1531412m	136.49	ug/L	99
102) 1,2-Dclbenz	12.064	146	25587	4.09	ug/L #	50
107) Naphthalen	13.552	128	708162	80.37	ug/L	98

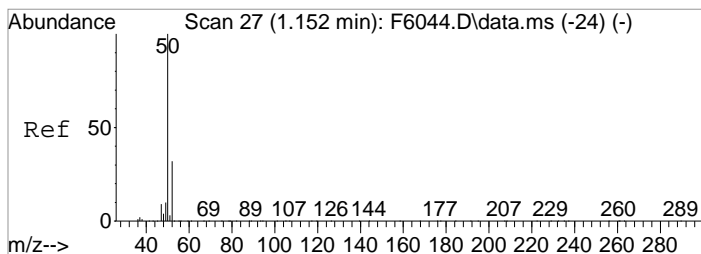
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6475.D
 Acq On : 4 May 2019 11:17 pm
 Operator : F.NAEGLER
 Sample : R1903954-009|0.71
 Misc : DAY 19396 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA14

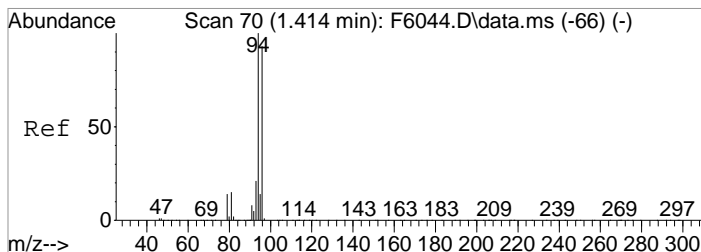
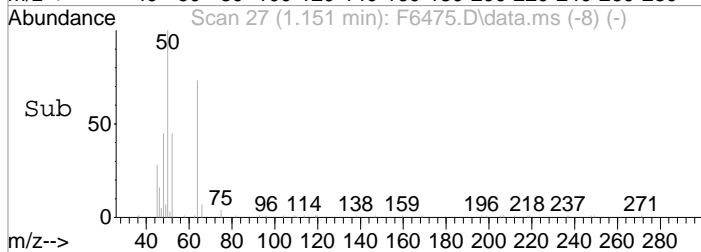
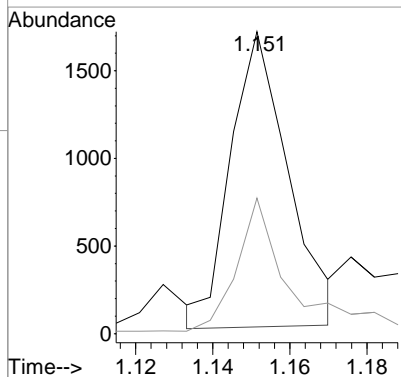
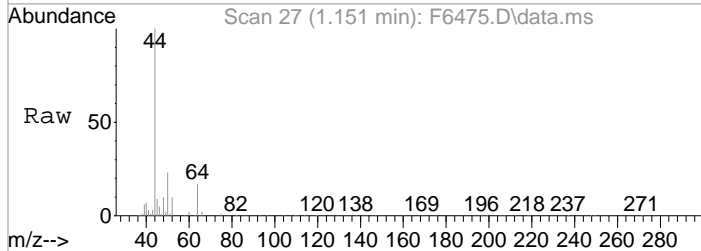
Quant Time: May 08 11:47:37 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration





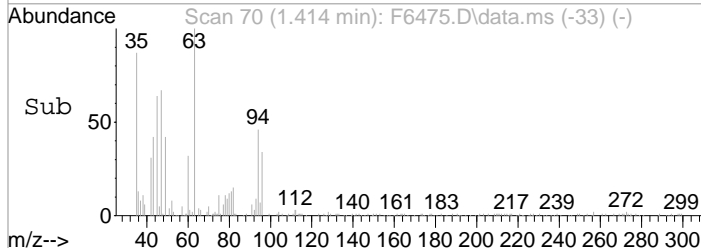
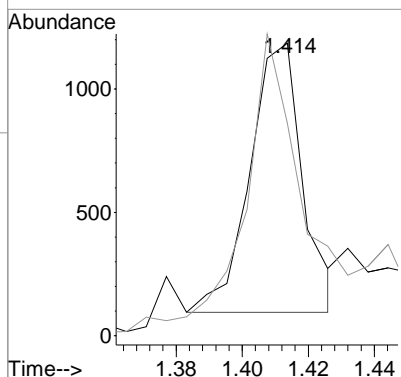
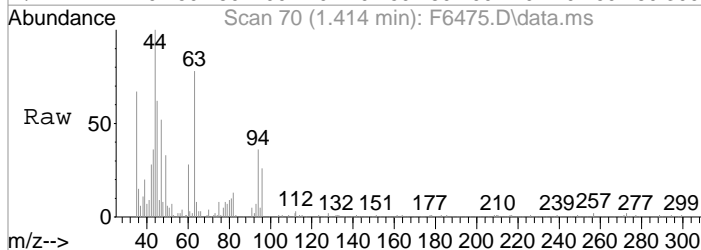
#3
 Chloromethane
 Concen: 0.37 ug/L
 RT: 1.151 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

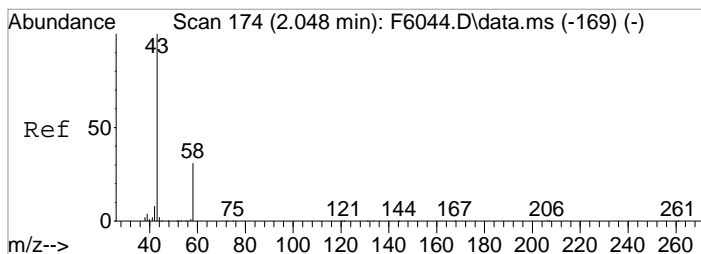
Tgt Ion	Resp	Lower	Upper
50	100		
52	44.9	12.4	52.4



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.414 min Scan# 70
 Delta R.T. 0.001 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

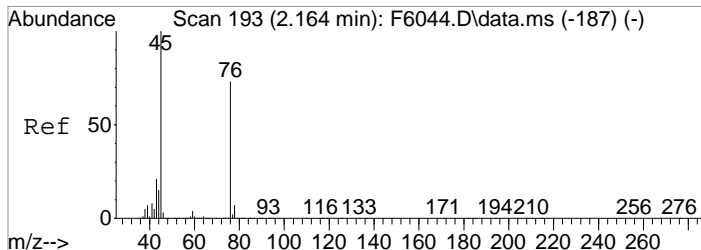
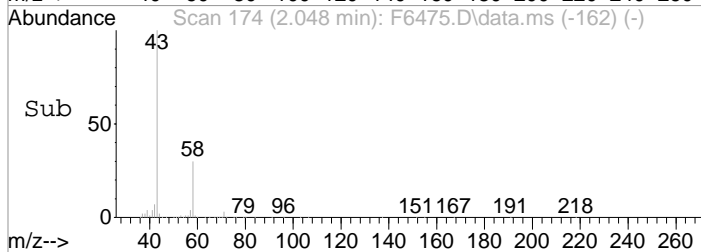
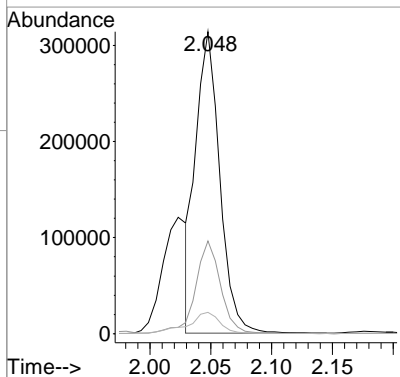
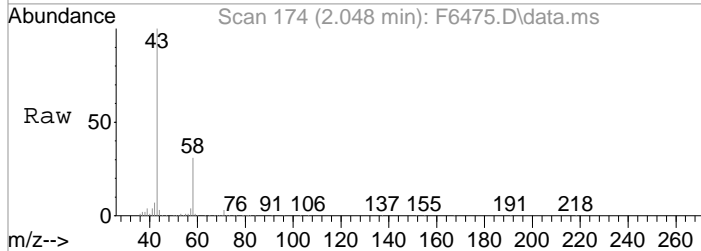
Tgt Ion	Resp	Lower	Upper
94	100		
96	72.7	75.4	115.4#





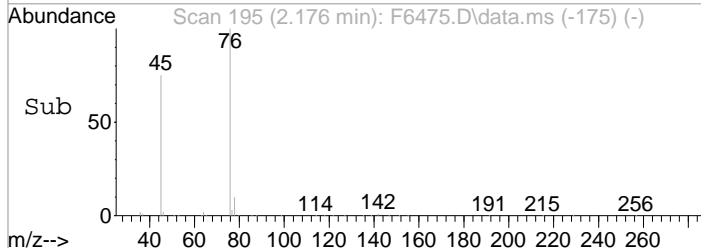
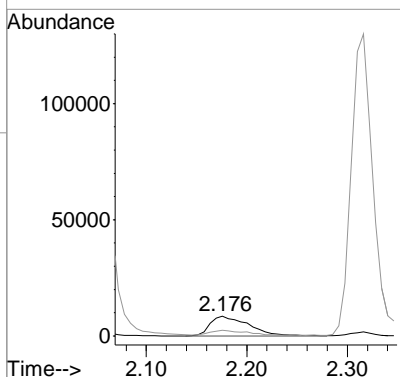
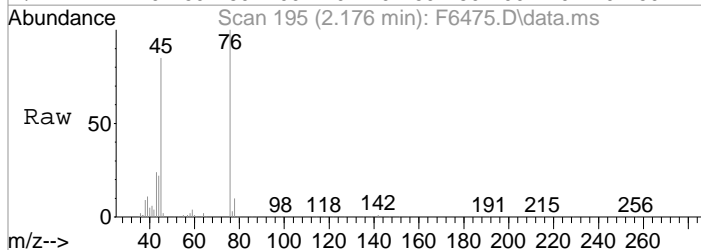
#15
 Acetone
 Concen: 300.92 ug/L
 RT: 2.048 min Scan# 174
 Delta R.T. 0.001 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

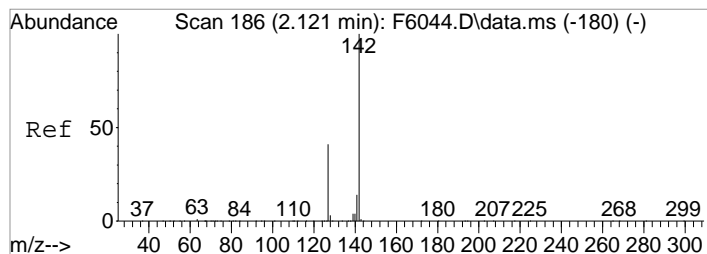
Tgt Ion	Resp	Lower	Upper
43	430446		
58	30.7	5.1	45.1
42	7.1	0.0	27.4



#16
 2-Propanol
 Concen: 78.65 ug/L
 RT: 2.176 min Scan# 195
 Delta R.T. 0.012 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

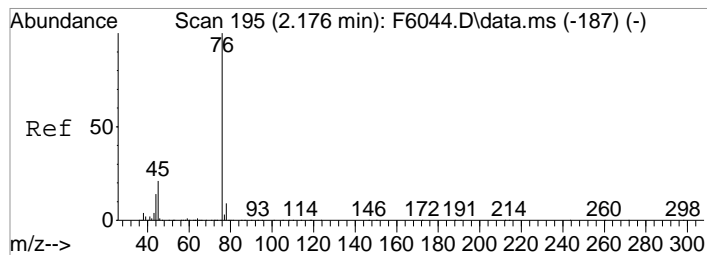
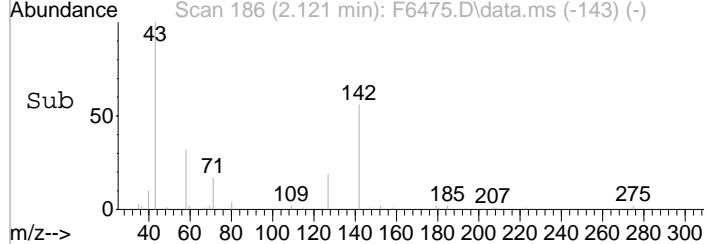
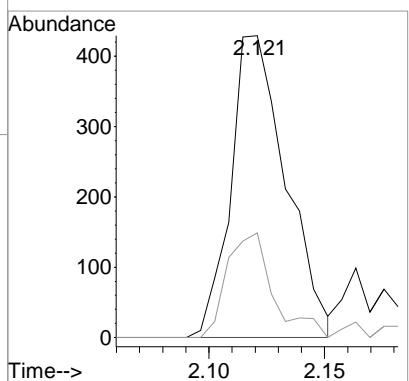
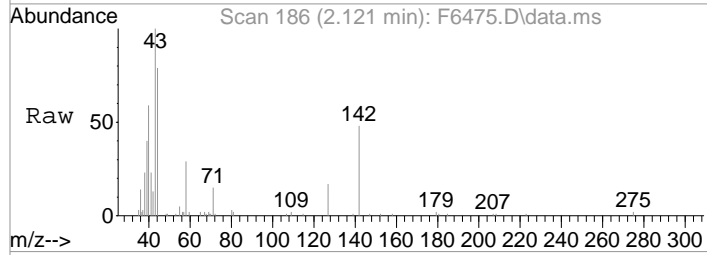
Tgt Ion	Resp	Lower	Upper
45	22838		
43	28.5	2.7	42.7





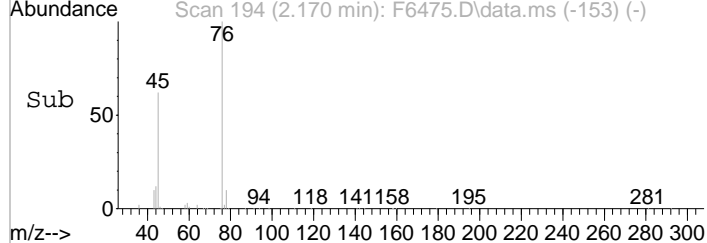
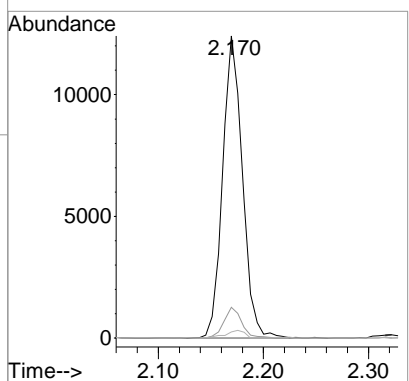
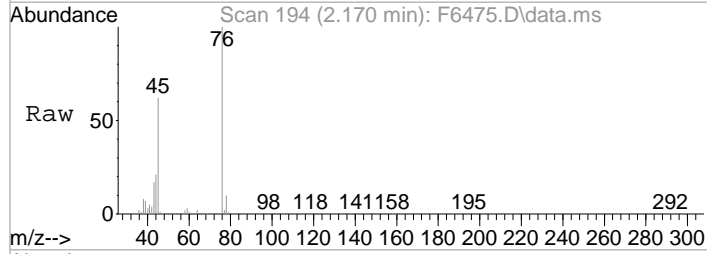
#17
 Iodomethane
 Concen: 1.17 ug/L
 RT: 2.121 min Scan# 186
 Delta R.T. 0.001 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

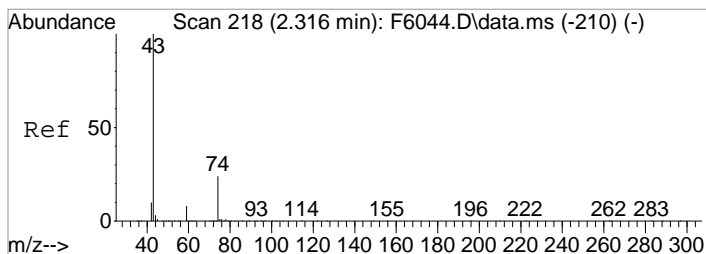
Tgt Ion	Resp	Lower	Upper
142	100		
127	34.7	24.5	64.5



#18
 Carbon Disulfide
 Concen: 1.71 ug/L
 RT: 2.170 min Scan# 194
 Delta R.T. -0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

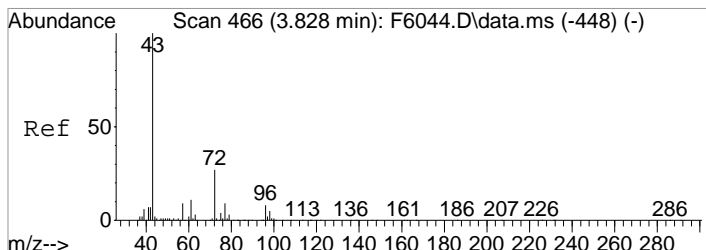
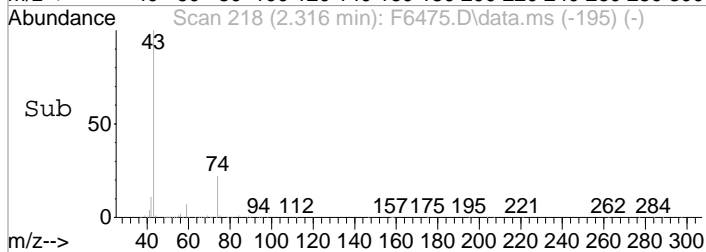
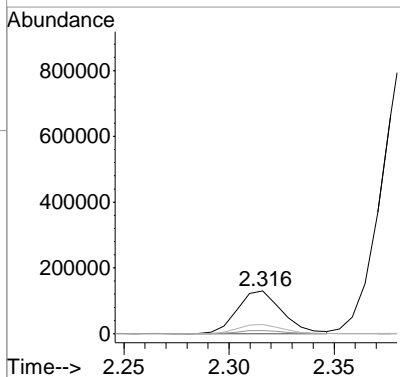
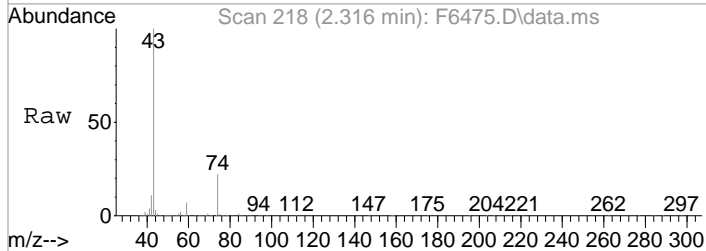
Tgt Ion	Resp	Lower	Upper
76	100		
78	10.1	0.0	29.9
77	1.9	0.0	22.5





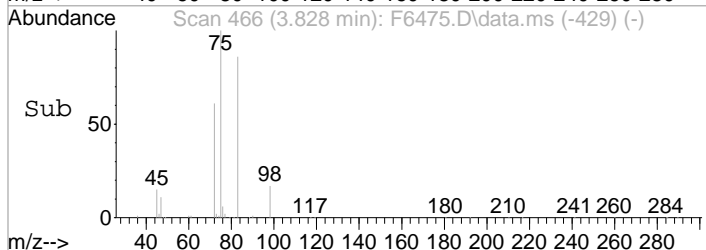
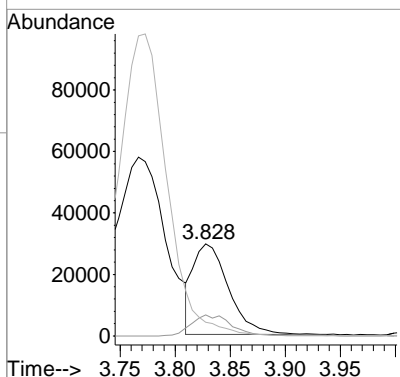
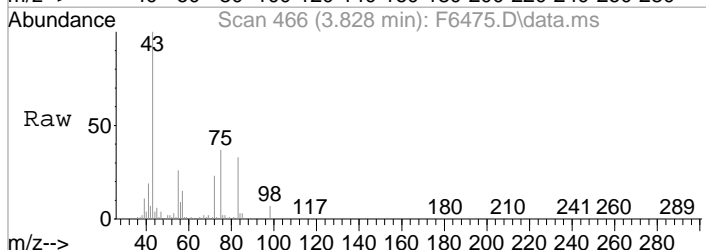
#21
 Methyl Acetate
 Concen: 68.12 ug/L
 RT: 2.316 min Scan# 218
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

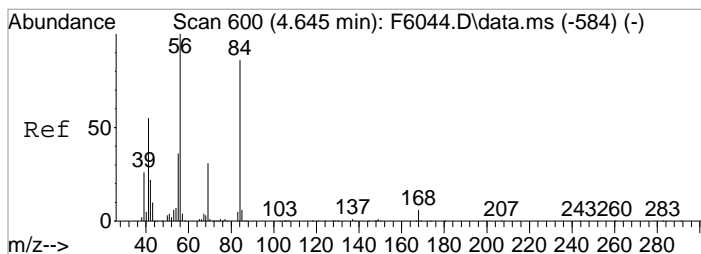
Tgt Ion	Resp	Lower	Upper
43	191784		
59	7.4	0.0	26.6
74	21.7	1.2	41.2



#34
 2-Butanone
 Concen: 33.93 ug/L
 RT: 3.828 min Scan# 466
 Delta R.T. 0.001 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

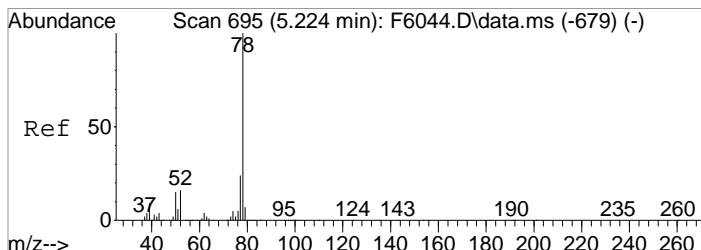
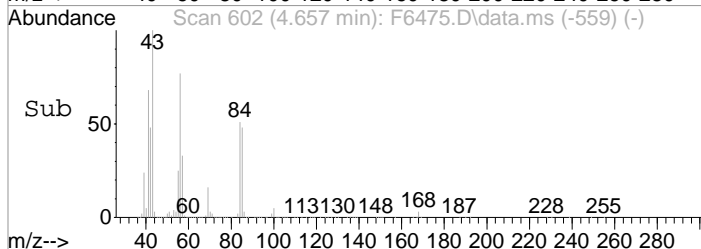
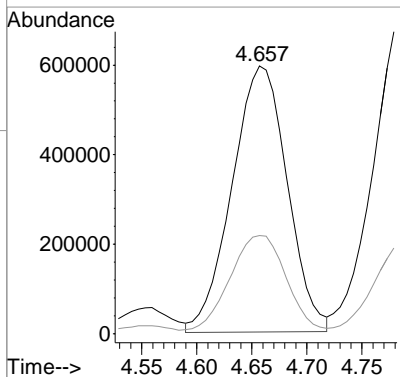
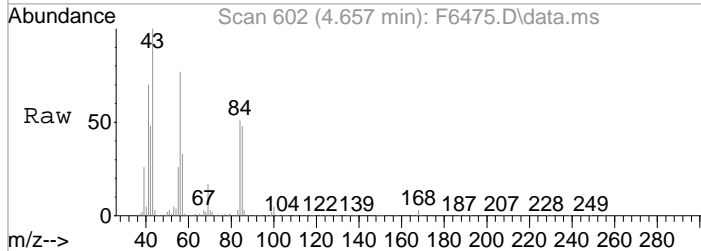
Tgt Ion	Resp	Lower	Upper
43	66010		
72	23.0	3.8	43.8
57	14.8	0.0	28.5





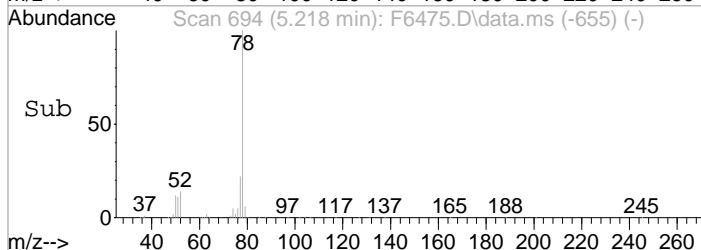
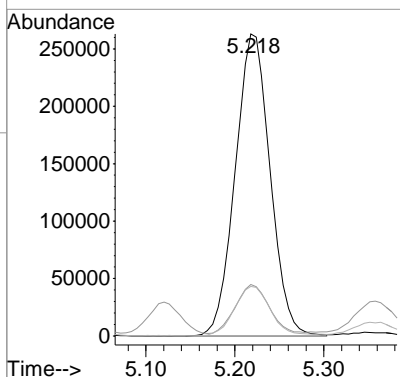
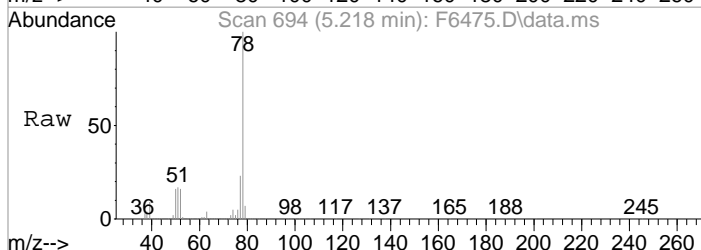
#43
 Cyclohexane
 Concen: 602.24 ug/L
 RT: 4.657 min Scan# 602
 Delta R.T. 0.012 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

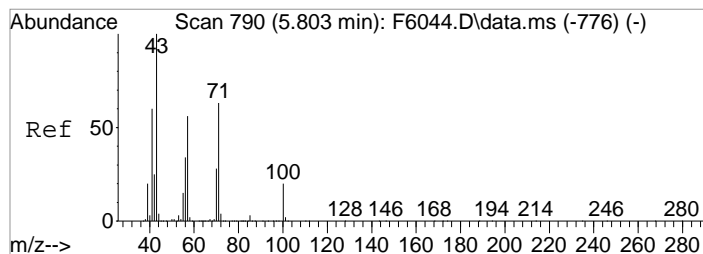
Tgt Ion: 41 Resp: 2076516
 Ion Ratio Lower Upper
 41 100
 39 36.7 35.6 75.6



#48
 Benzene
 Concen: 49.79 ug/L
 RT: 5.218 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

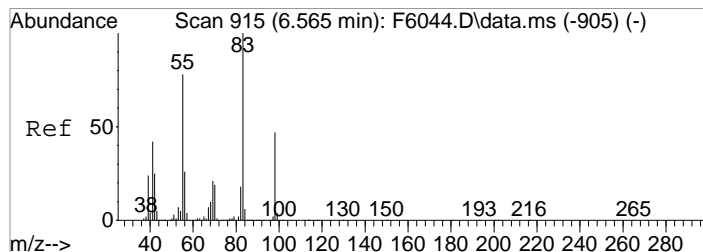
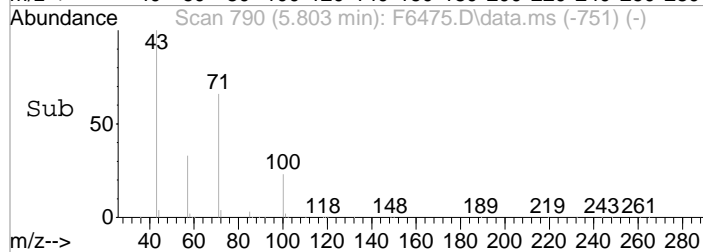
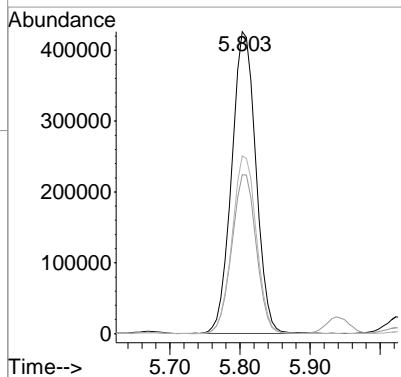
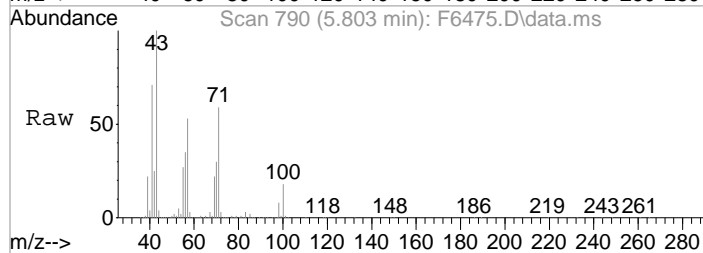
Tgt Ion: 78 Resp: 719487
 Ion Ratio Lower Upper
 78 100
 51 17.0 0.0 39.7
 52 16.4 0.0 35.5





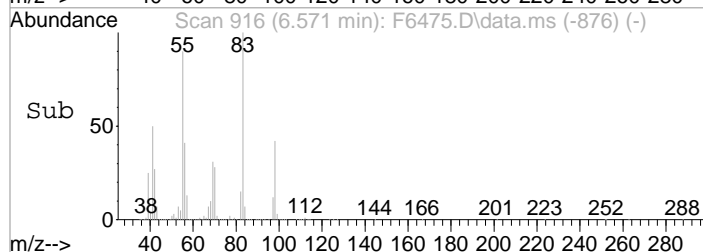
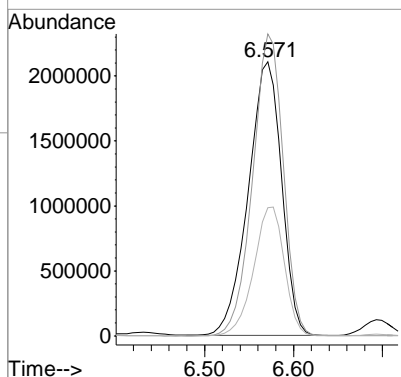
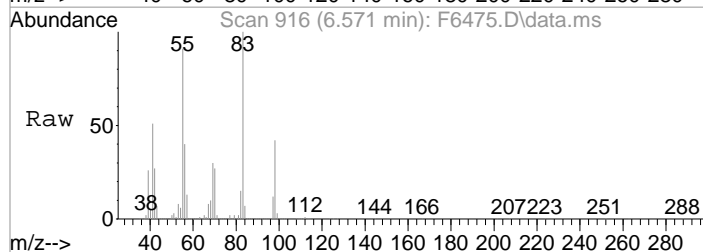
#51
 n-Heptane
 Concen: 210.52 ug/L
 RT: 5.803 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

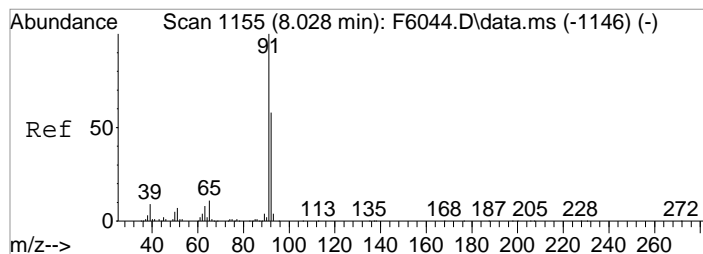
Tgt Ion	Resp	Lower	Upper
43	1021774		
57	52.7	32.9	72.9
71	58.9	41.6	81.6



#54
 Methylcyclohexane
 Concen: 1119.59 ug/L
 RT: 6.571 min Scan# 916
 Delta R.T. 0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

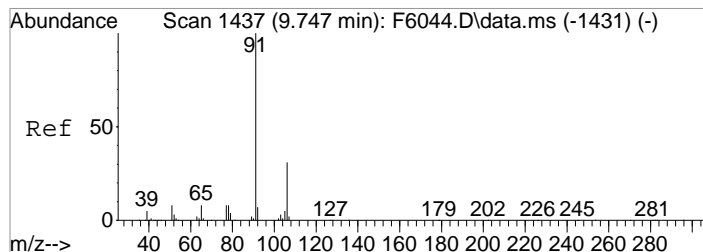
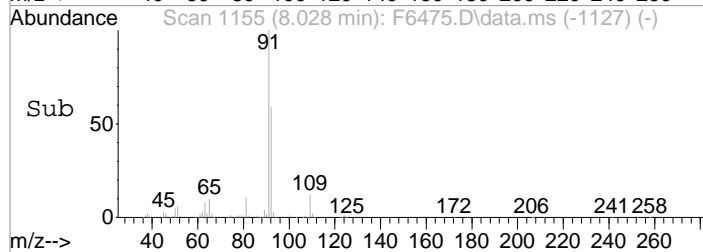
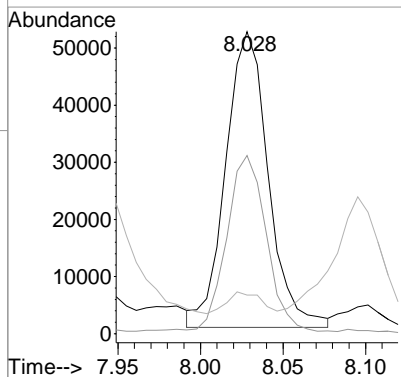
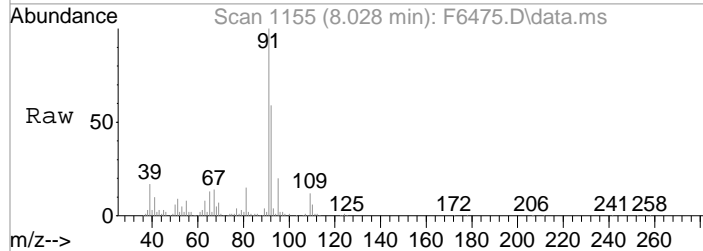
Tgt Ion	Resp	Lower	Upper
55	5508609		
83	110.2	110.4	150.4#
98	46.8	44.3	84.3





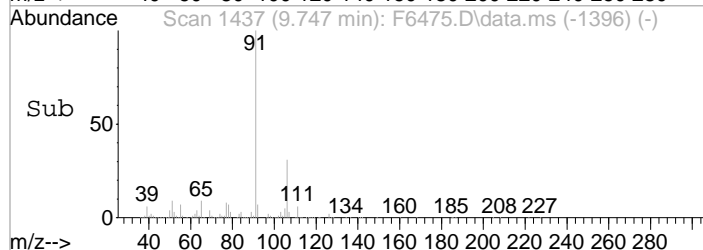
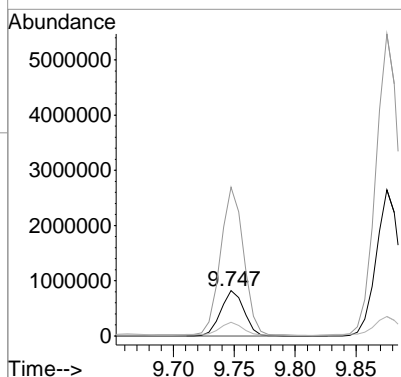
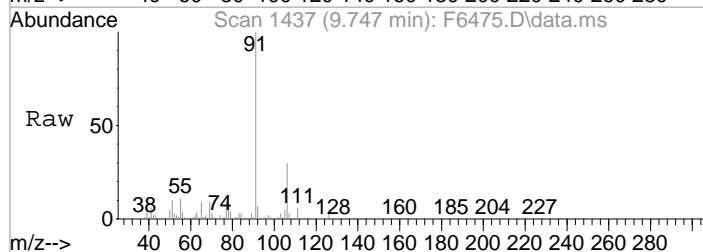
#65
 Toluene
 Concen: 5.92 ug/L
 RT: 8.028 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

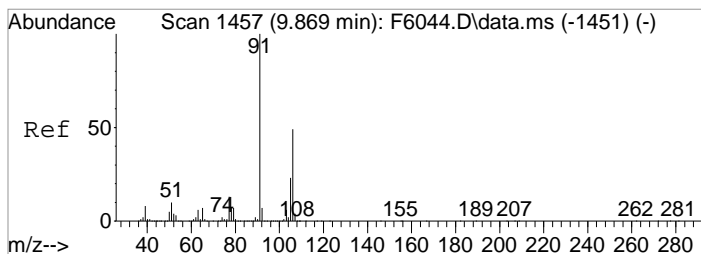
Tgt Ion	Resp	Lower	Upper
91	100		
92	59.0	39.1	79.1
65	12.8	0.0	31.4



#79
 Ethylbenzene
 Concen: 210.13 ug/L
 RT: 9.747 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

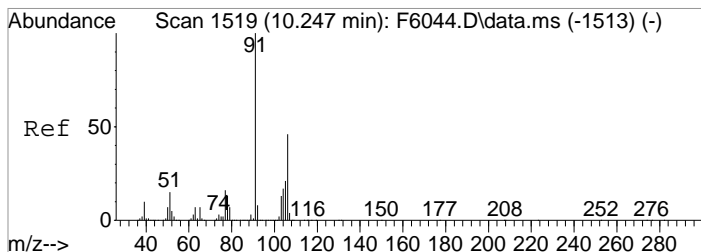
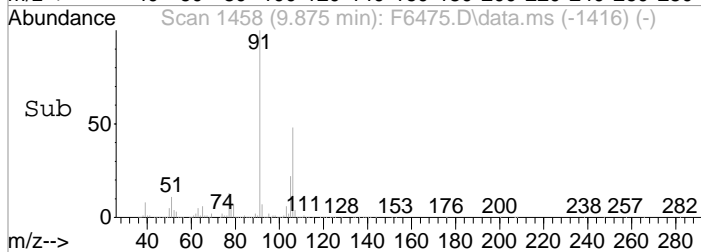
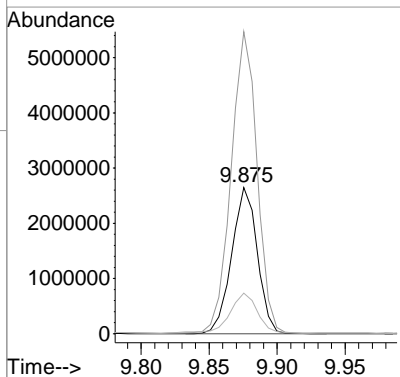
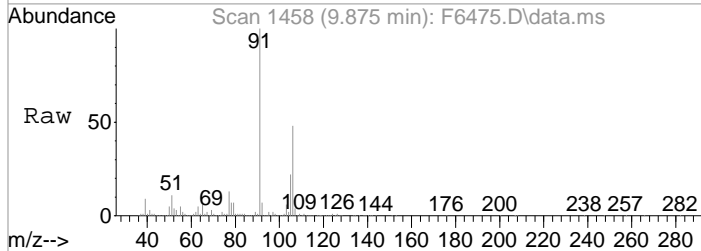
Tgt Ion	Resp	Lower	Upper
106	100		
91	328.9	292.3	332.3
65	30.1	7.7	47.7





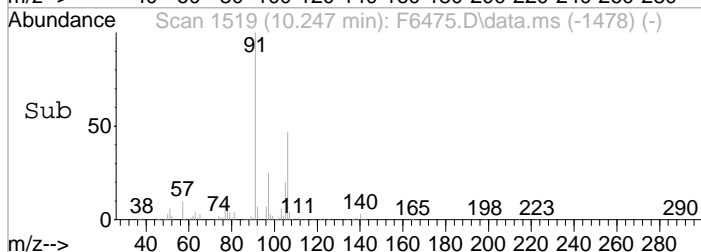
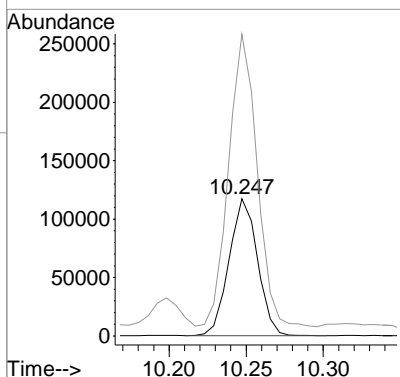
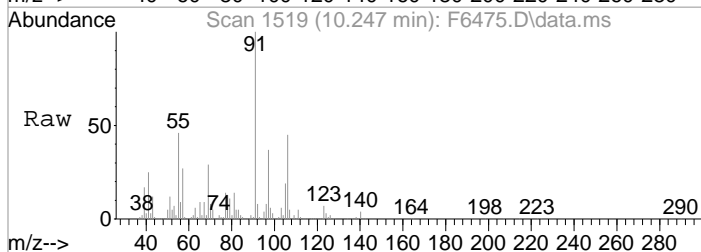
#80
 (m+p)Xylene
 Concen: 550.15 ug/L
 RT: 9.875 min Scan# 1458
 Delta R.T. 0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

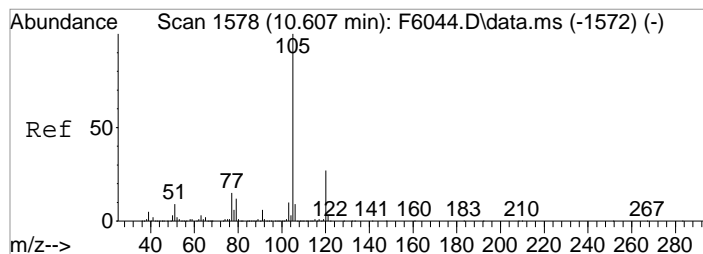
Tgt Ion	Resp	Lower	Upper
106	3483887		
106	100		
91	206.6	179.6	219.6
77	27.7	8.0	48.0



#81
 o-Xylene
 Concen: 24.19 ug/L
 RT: 10.247 min Scan# 1519
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

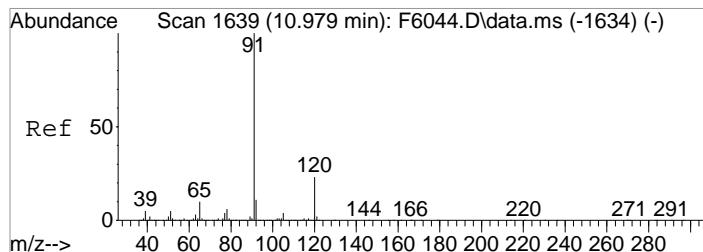
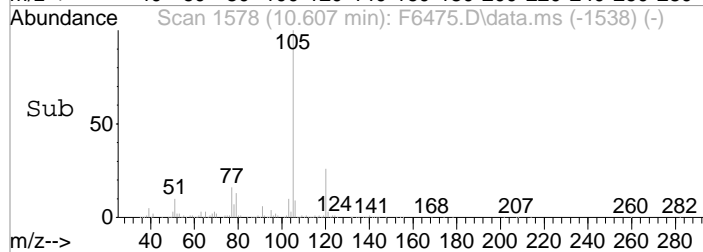
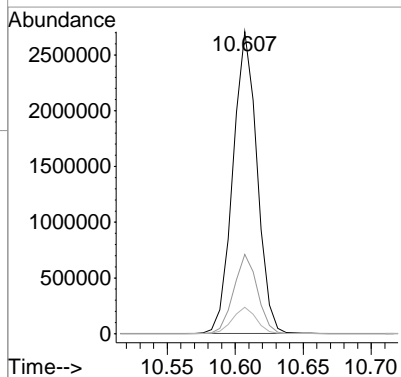
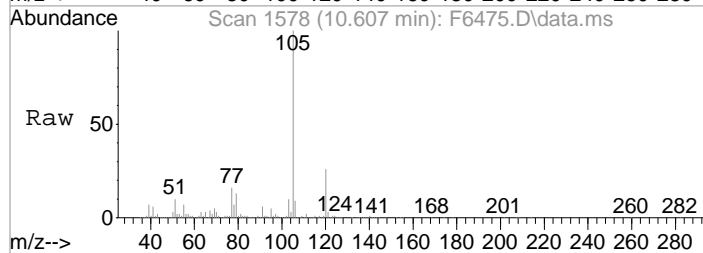
Tgt Ion	Resp	Lower	Upper
106	150437		
106	100		
91	220.3	199.8	239.8





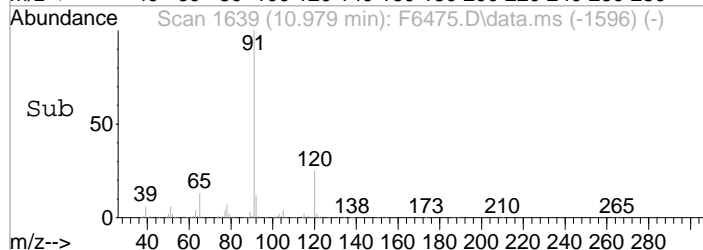
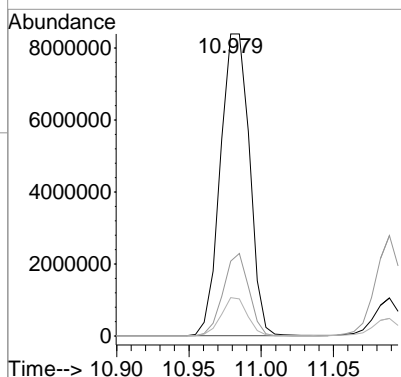
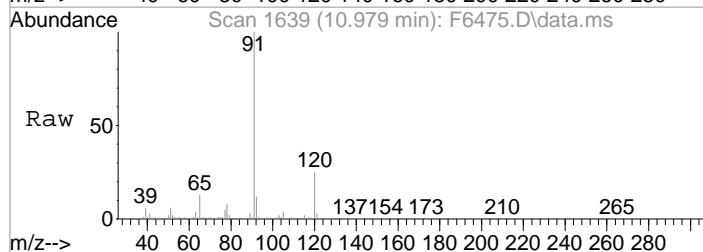
#84
 Isopropylbenzene
 Concen: 206.29 ug/L
 RT: 10.607 min Scan# 1578
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

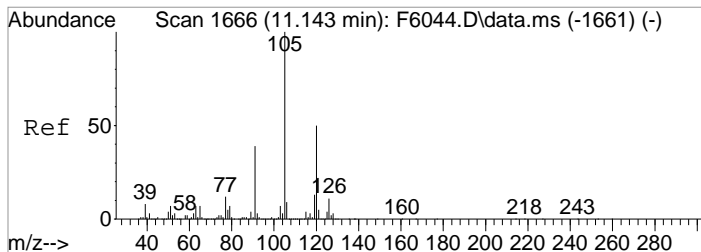
Tgt Ion	Resp	Lower	Upper
105	3346498		
105	100		
120	26.3	6.5	46.5
106	8.7	0.0	28.6



#91
 n-Propylbenzene
 Concen: 750.27 ug/L
 RT: 10.979 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

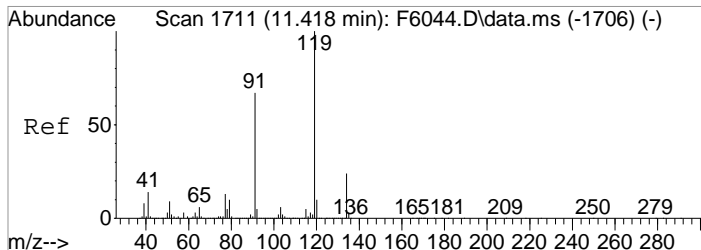
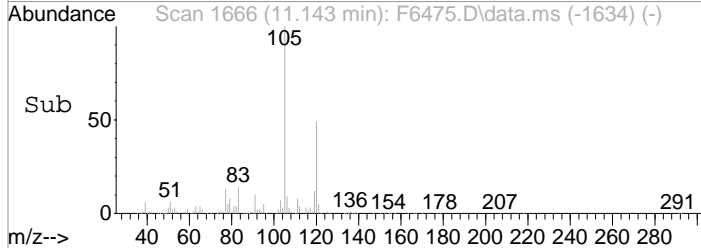
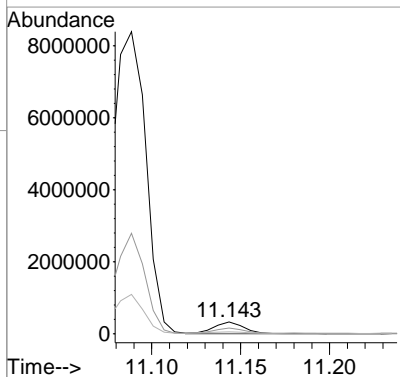
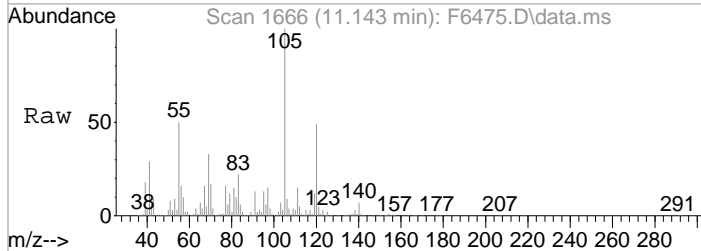
Tgt Ion	Resp	Lower	Upper
91	11685956		
91	100		
120	24.8	2.4	42.4
65	12.7	0.0	31.0





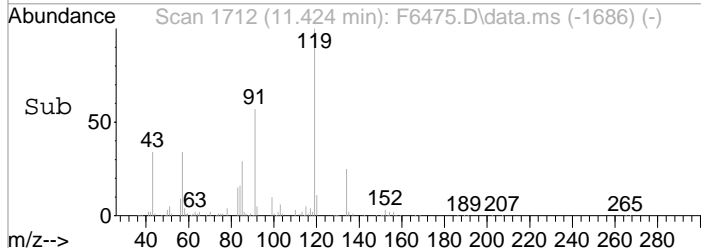
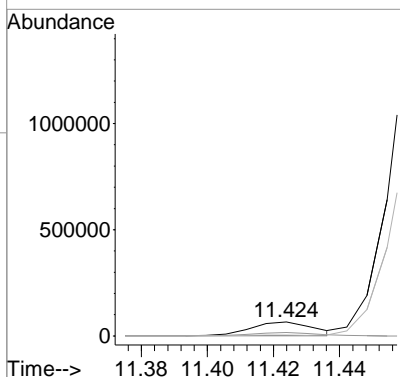
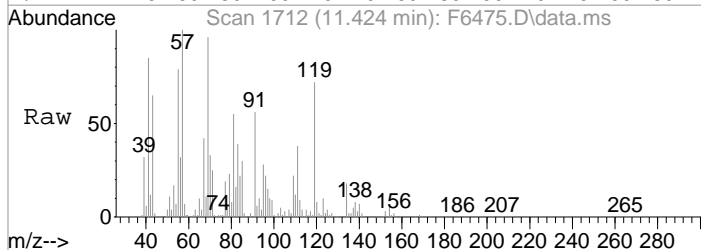
#94
 1,3,5-Trimethylbenzene
 Concen: 34.11 ug/L
 RT: 11.143 min Scan# 1666
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

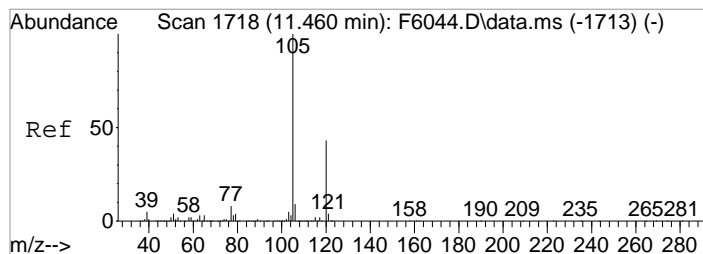
Tgt Ion	Resp	Lower	Upper
105	370346		
120	49.0	30.1	70.1
77	16.3	0.0	33.9



#95
 tert-Butylbenzene
 Concen: 8.89 ug/L
 RT: 11.424 min Scan# 1712
 Delta R.T. 0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

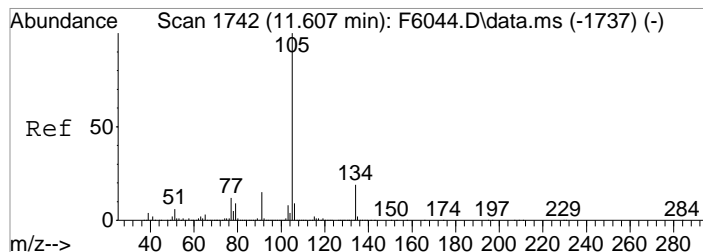
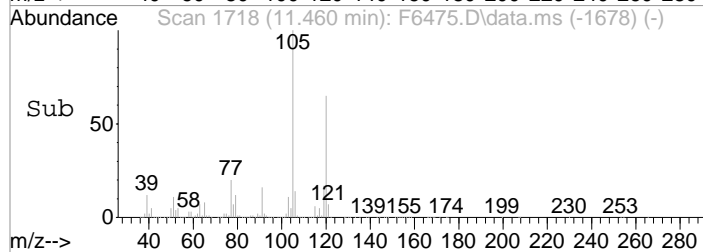
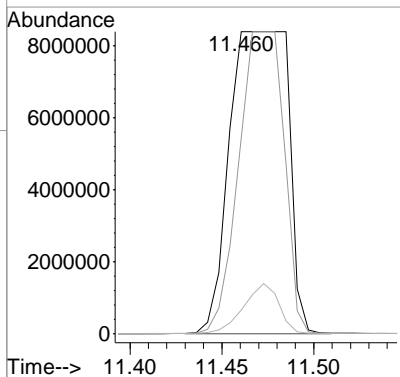
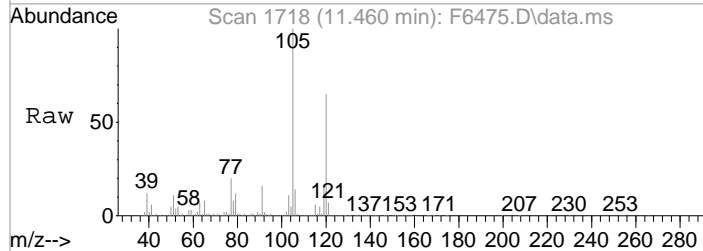
Tgt Ion	Resp	Lower	Upper
119	85311		
134	24.5	5.8	45.8
103	6.9	0.0	27.0





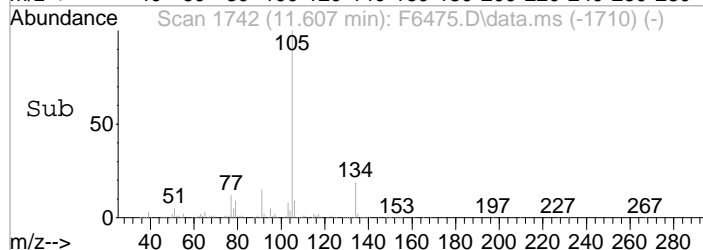
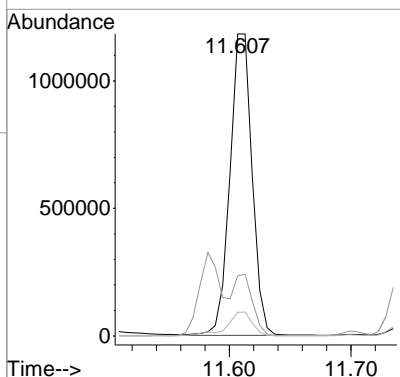
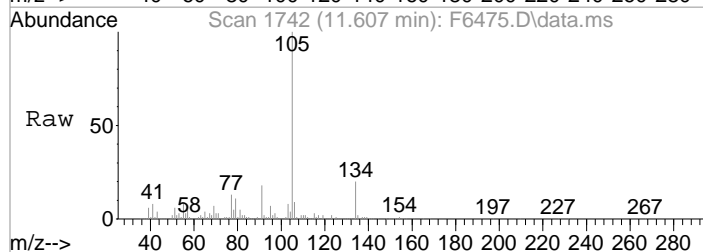
#96
 1,2,4-Trimethylbenzene
 Concen: 1710.29 ug/L m
 RT: 11.460 min Scan# 1718
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

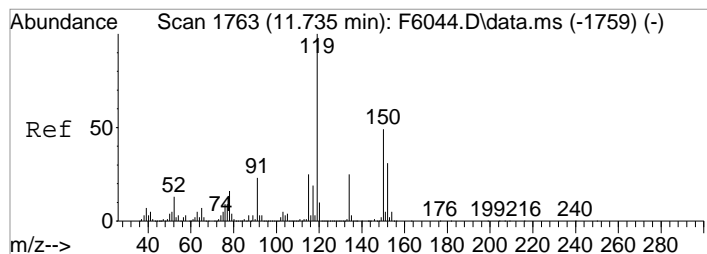
Tgt Ion	Resp	Lower	Upper
105	18690313		
120	64.8	24.6	64.6#
65	7.8	0.0	25.3



#97
 sec-Butylbenzene
 Concen: 102.29 ug/L
 RT: 11.607 min Scan# 1742
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

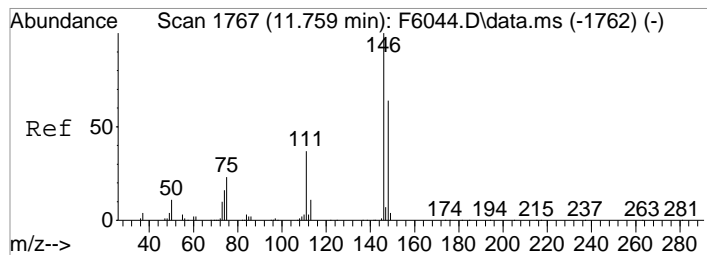
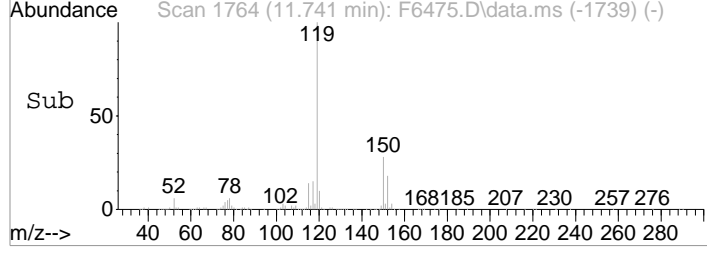
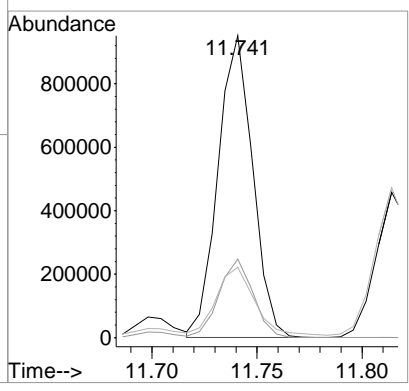
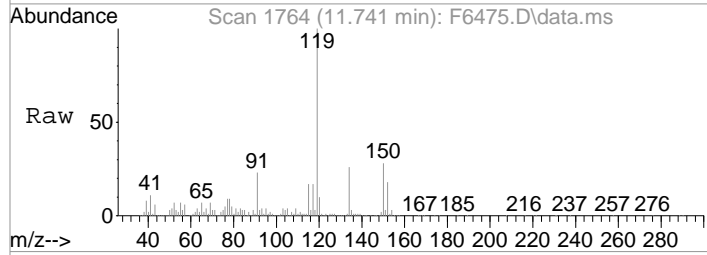
Tgt Ion	Resp	Lower	Upper
105	1494032		
134	19.9	0.0	39.9
103	7.8	0.0	28.7





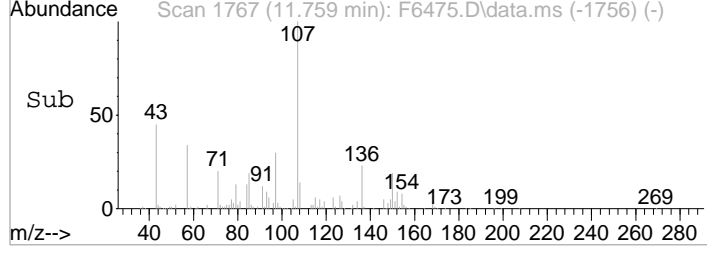
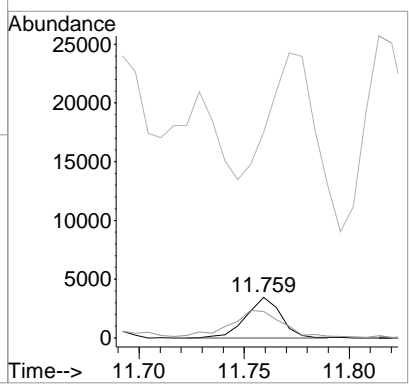
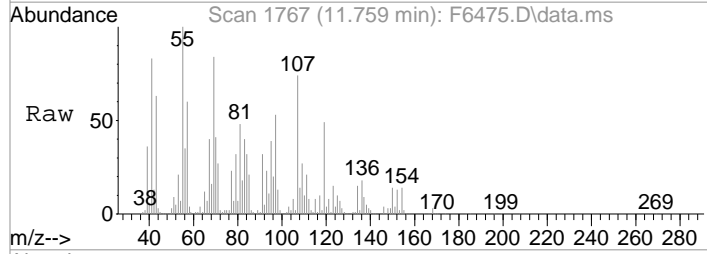
#98
 p-Isopropyltoluene
 Concen: 90.47 ug/L
 RT: 11.741 min Scan# 1764
 Delta R.T. 0.006 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

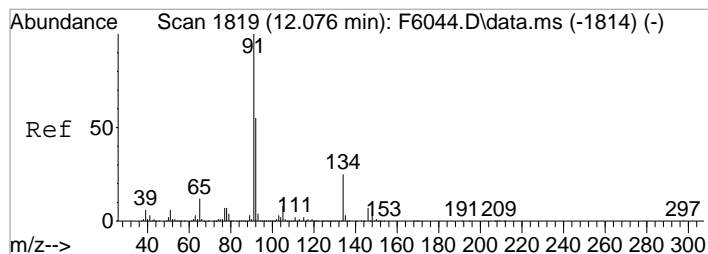
Tgt Ion	Resp	Lower	Upper
119	1088811		
134	26.0	5.6	45.6
91	23.3	4.6	44.6



#100
 1,4-Diclbz
 Concen: 0.60 ug/L
 RT: 11.759 min Scan# 1767
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

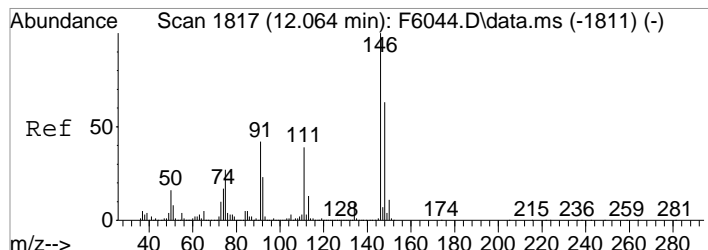
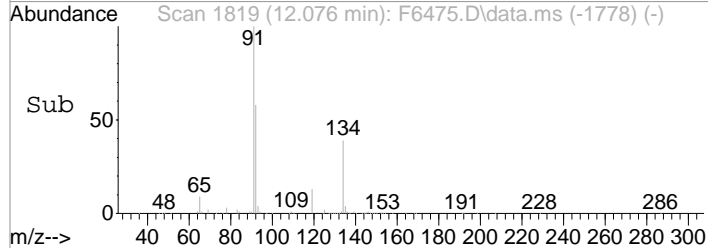
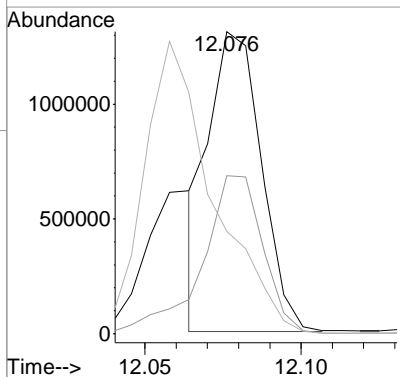
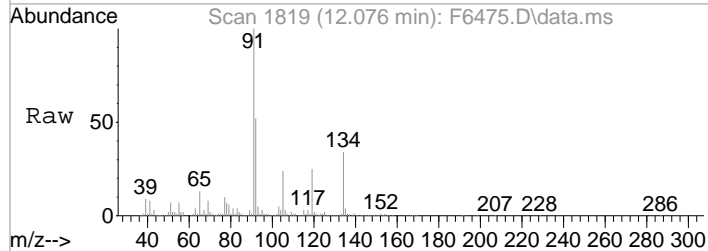
Tgt Ion	Resp	Lower	Upper
146	3997		
148	65.5	46.6	86.6
111	507.2	20.3	60.3#





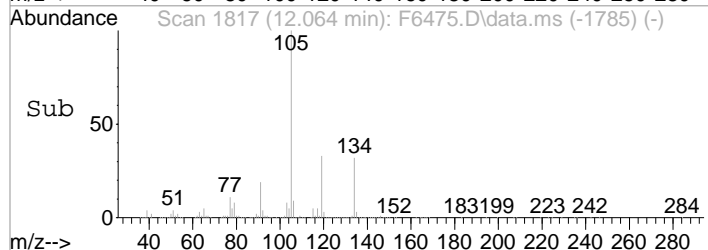
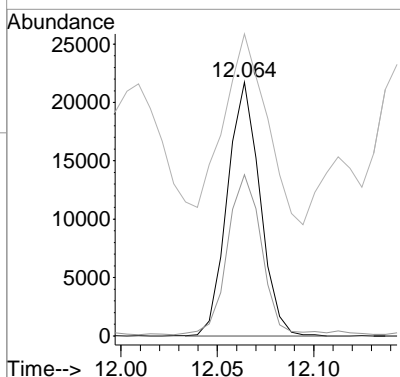
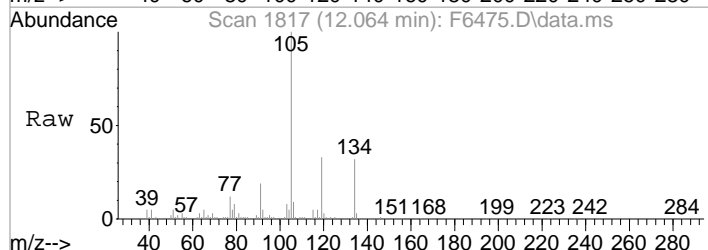
#101
 n-Butylbenzene
 Concen: 136.49 ug/L m
 RT: 12.076 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

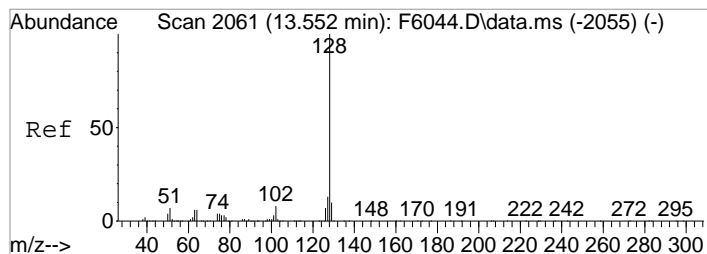
Tgt Ion:	Resp:	Lower	Upper
91	1531412		
92	52.3	30.7	70.7
134	33.9	4.5	44.5



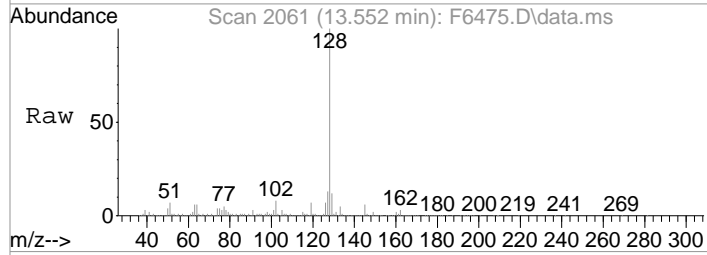
#102
 1,2-Dichlorobenzene
 Concen: 4.09 ug/L
 RT: 12.064 min Scan# 1817
 Delta R.T. -0.000 min
 Lab File: F6475.D
 Acq: 4 May 2019 11:17 pm

Tgt Ion:	Resp:	Lower	Upper
146	25587		
148	63.6	45.4	85.4
111	119.0	20.5	60.5#

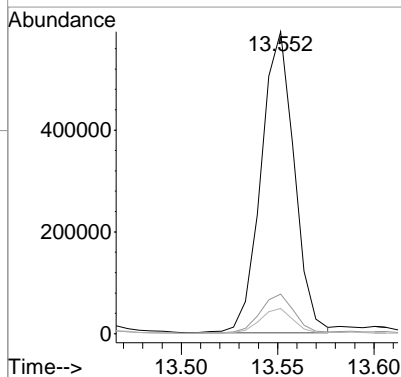
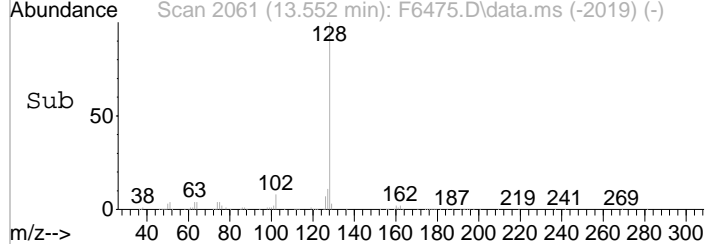




#107
Naphthalen
Concen: 80.37 ug/L
RT: 13.552 min Scan# 2061
Delta R.T. 0.001 min
Lab File: F6475.D
Acq: 4 May 2019 11:17 pm

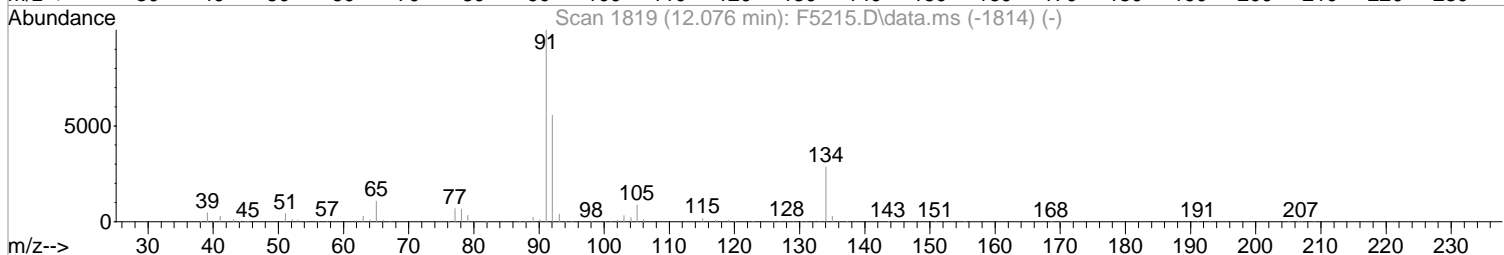
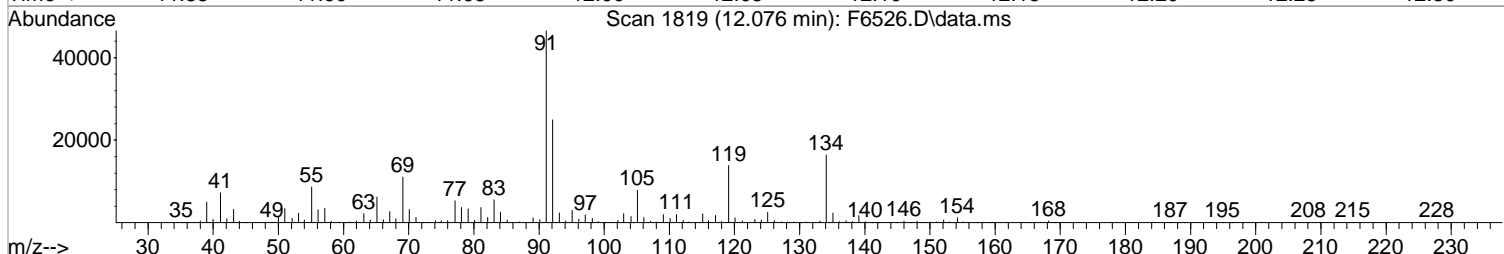
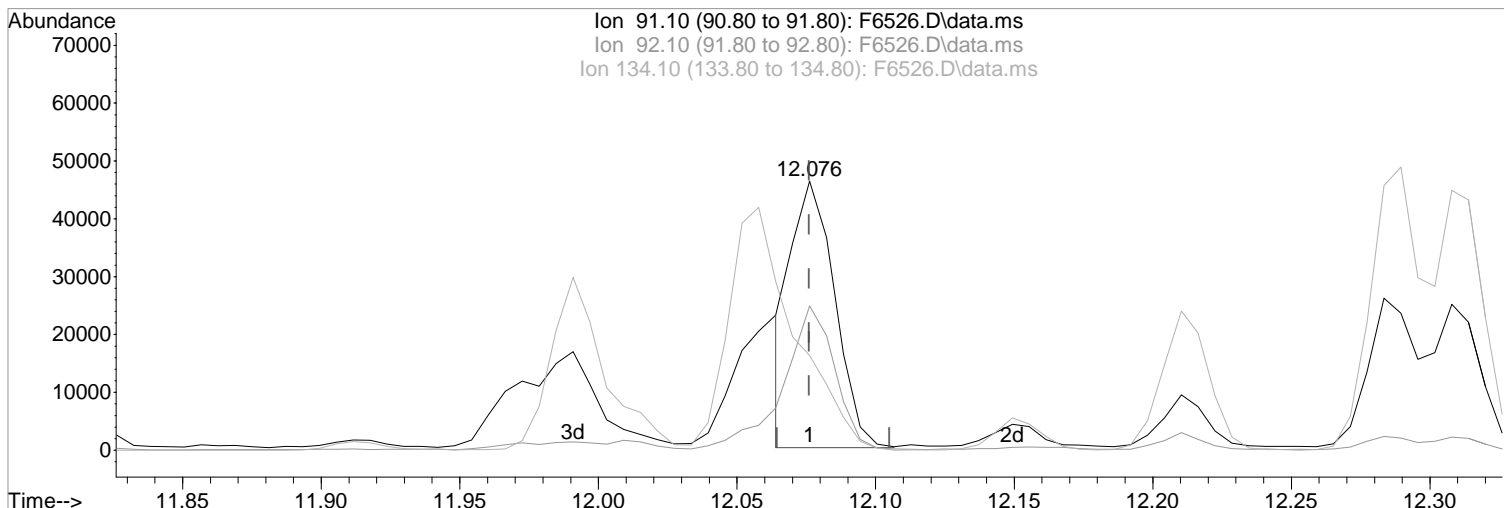


Tgt Ion	Resp	Lower	Upper
128	708162		
127	13.1	0.0	33.8
102	8.3	0.0	28.8



Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6526.D
Acq On : 8 May 2019 9:37 pm
Operator : F.NAEGLER
Sample : R1903954-009|83.0 Inst : MSVOA14
Misc : DAY 19396 T4
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 07:38:55 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(108) n-Butylbenzene

12.076min (+0.000) 6.05 ug/L m

response 50537

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	53.66
134.10	28.60	35.17
0.00	0.00	0.00

Manual Integration:

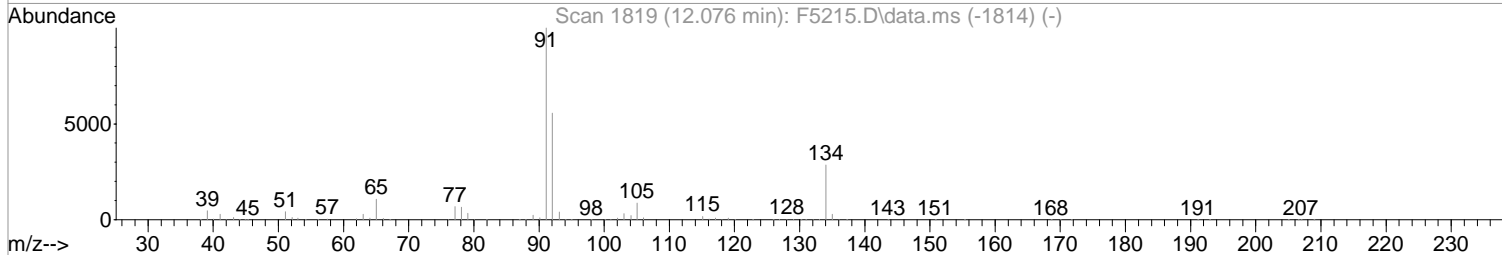
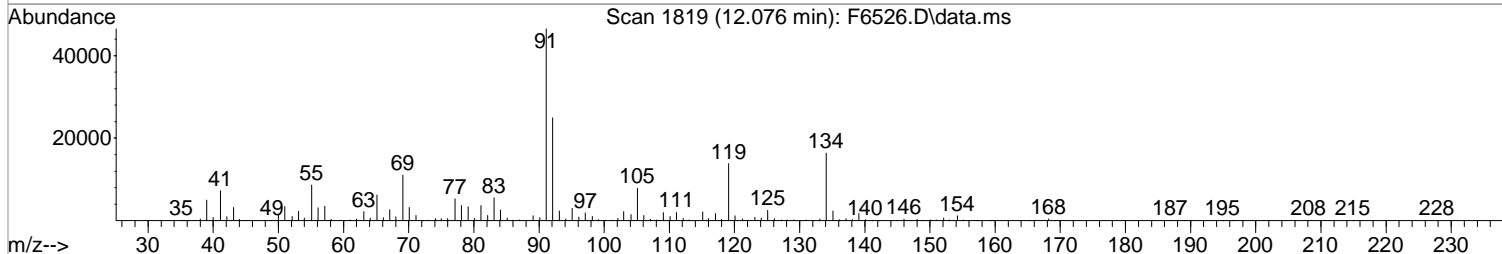
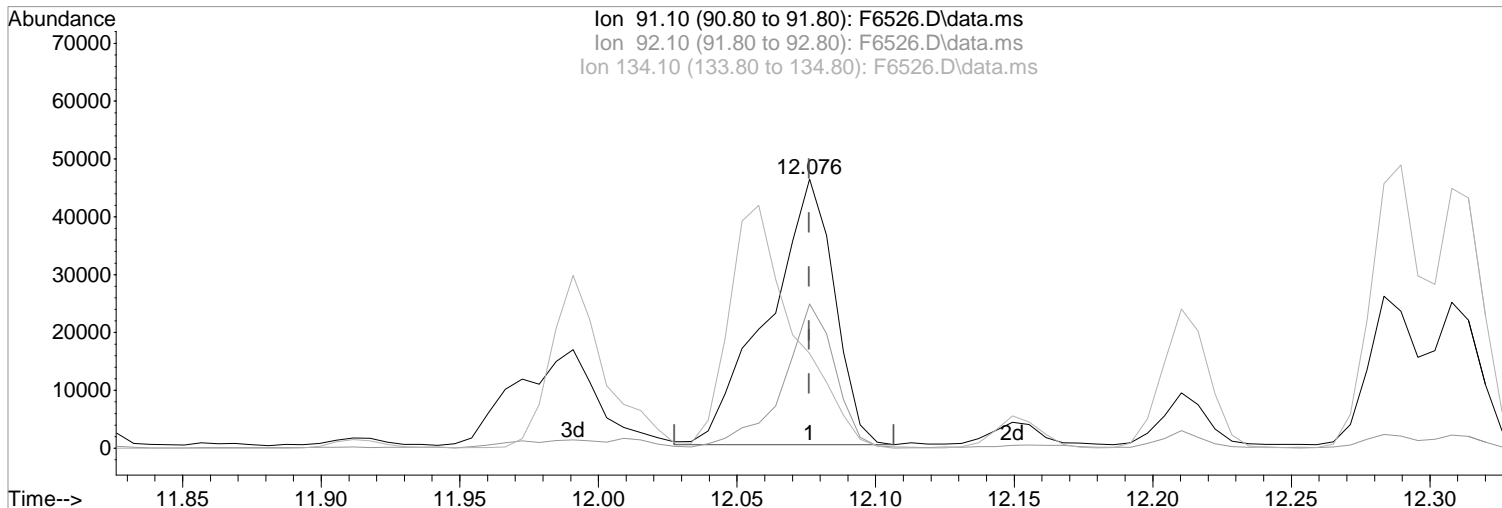
After

Poor integration.

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6526.D
 Acq On : 8 May 2019 9:37 pm
 Operator : F.NAEGLER
 Sample : R1903954-009|83.0 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 09 07:38:55 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration



(108) n-Butylbenzene
 12.076min (+0.000) 9.12 ug/L
 response 76117

Manual Integration:
 Before

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	53.66
134.10	28.60	35.17
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6526.D
 Acq On : 8 May 2019 9:37 pm
 Operator : F.NAEGLER
 Sample : R1903954-009|83.0 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 10 10:42:32 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

DL

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	244297	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	383684	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	338830	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	183002	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	106169	41.53	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	83.06%#		
47) surr1,1,2-dichloroetha...	5.120	65	139031	46.40	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	92.80%		
64) SURR3,Toluene-d8	7.943	98	462350	45.30	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	90.60%		
69) SURR2,BFB	10.729	95	180644	45.71	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	91.42%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	1638	0.51	ug/L	96
5) Bromomethane	1.408	94	1210	0.42	ug/L	91
15) Acetone	2.066	43	3529	2.96	ug/L	98
17) Iodomethane	2.115	142	589	1.45	ug/L	90
18) Carbon Disulfide	2.157	76	1413	0.26	ug/L	92
21) Methyl Acetate	2.316	43	47280	19.05	ug/L	95
43) Cyclohexane	4.651	41	30481	15.72	ug/L	85
48) Benzene	5.218	78	48442	4.78	ug/L	97
51) n-Heptane	5.797	43	33015	13.14	ug/L	91
54) Methylcyclohexane	6.559	55	76641	28.34	ug/L #	76
65) Toluene	8.022	91	33583	3.10	ug/L	96
81) Ethylbenzene	9.747	106	48559	13.31	ug/L	98
82) (m+p)Xylene	9.869	106	148862	32.97	ug/L	94
83) o-Xylene	10.247	106	9157	2.05	ug/L #	76
87) Isopropylbenzene	10.607	105	60494	5.48	ug/L	95
94) n-Propylbenzene	10.979	91	326019	25.98	ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	24504	2.72	ug/L	96
99) tert-Butylbenzene	11.418	119	1632	0.21	ug/L	87
100) 1,2,4-Trimethylbenzene	11.460	105	1004776	110.22	ug/L	99
102) sec-Butylbenzene	11.607	105	33330	2.99	ug/L	99
103) p-Isopropyltoluene	11.735	119	26594	2.81	ug/L	95
108) n-Butylbenzene	12.076	91	50537m	6.05	ug/L	
109) 1,2-Dclbenz	12.064	146	1304	0.22	ug/L #	1
116) Naphthalen	13.551	128	55902	5.27	ug/L	97

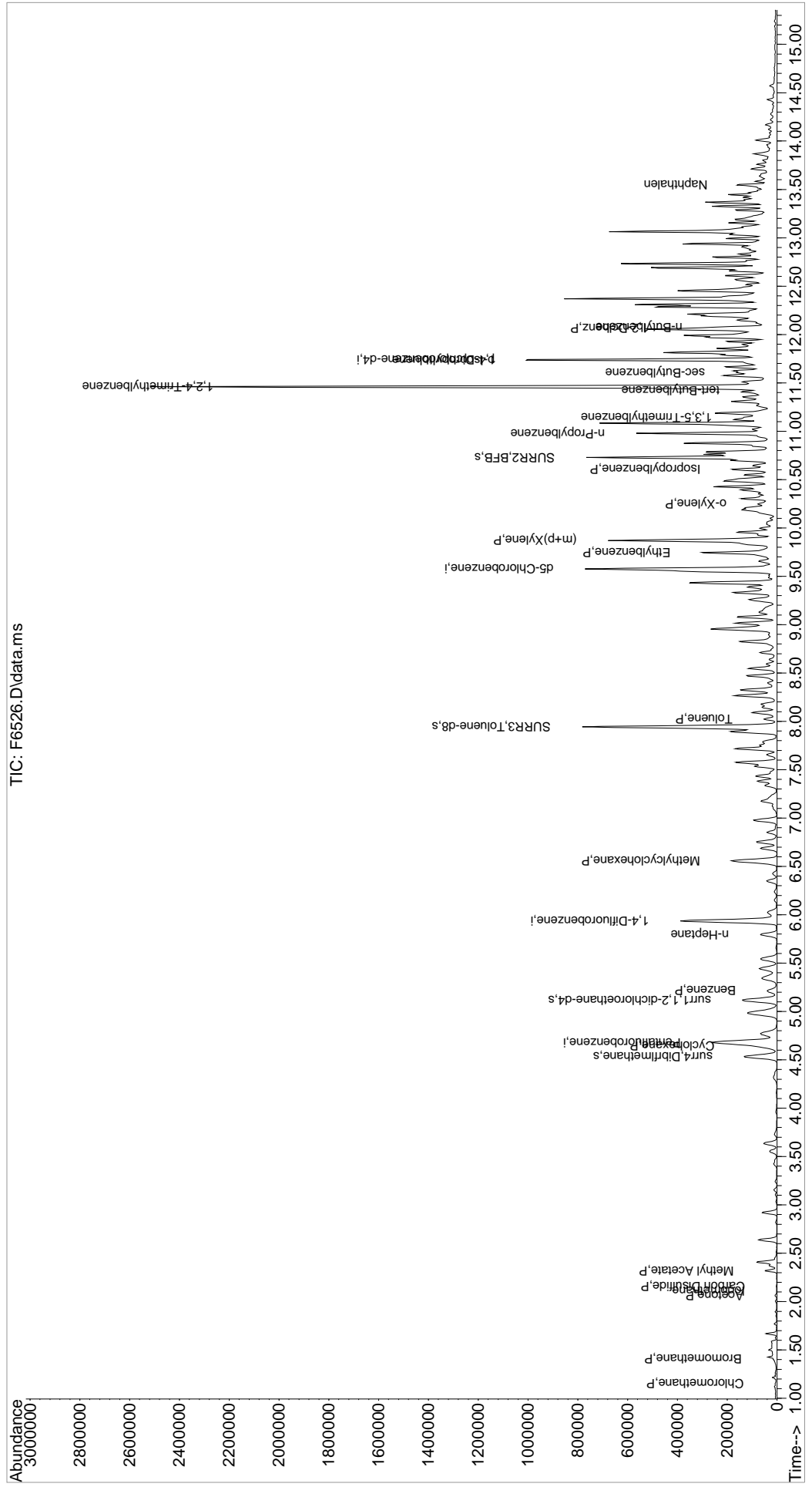
OK soil limits

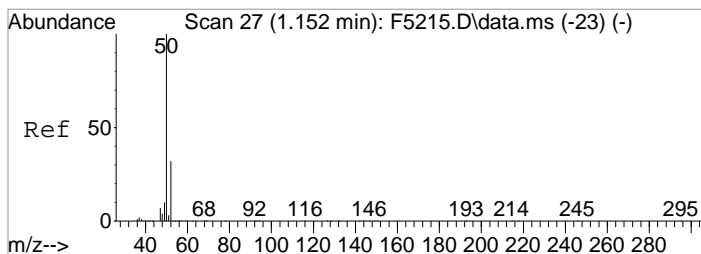
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6526.D
 Acq On : 8 May 2019 9:37 pm
 Operator : F.NAEGLER
 Sample : R1903954-009|83.0
 Misc : DAY 19396 T4
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA14

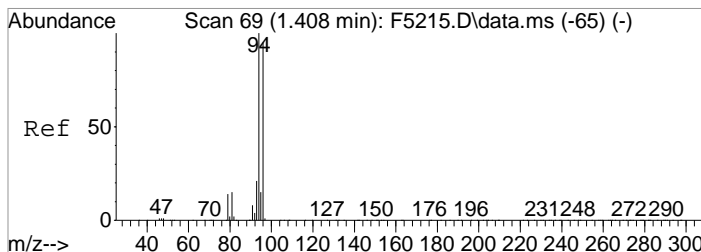
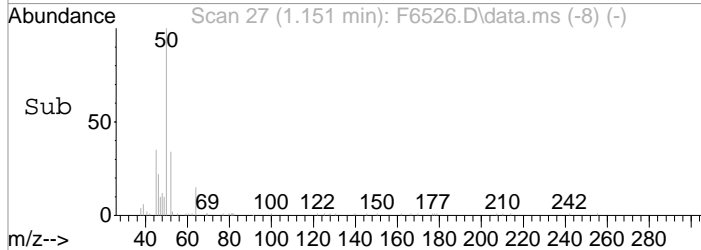
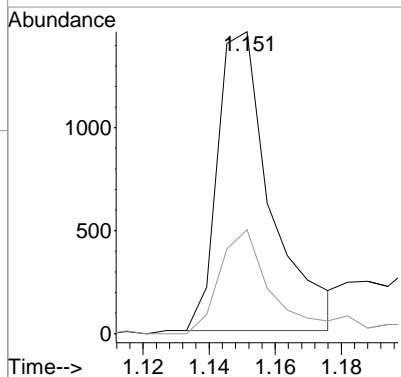
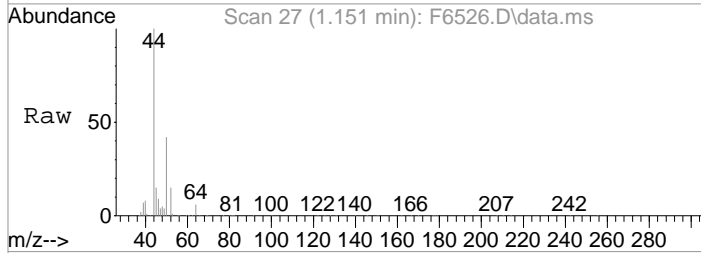
Quant Time: May 10 10:42:32 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration





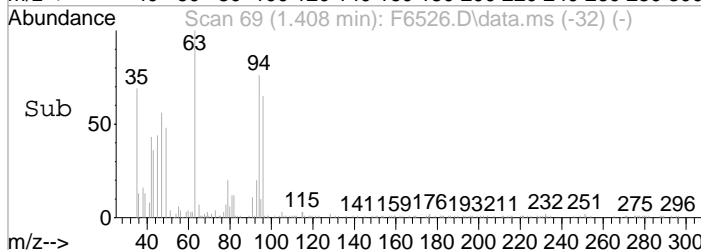
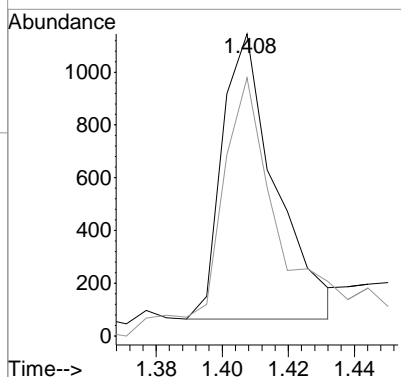
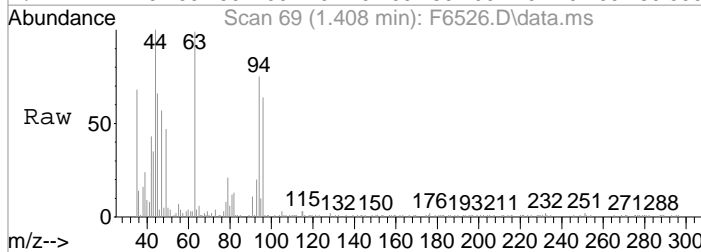
#3
 Chloromethane
 Concen: 0.51 ug/L
 RT: 1.151 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

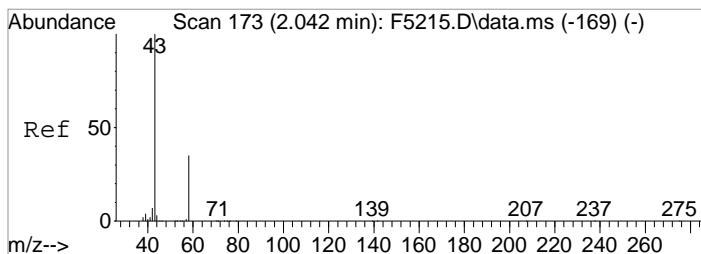
Tgt Ion	Resp	Lower	Upper
50	100		
52	34.4	11.9	51.9



#5
 Bromomethane
 Concen: 0.42 ug/L
 RT: 1.408 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

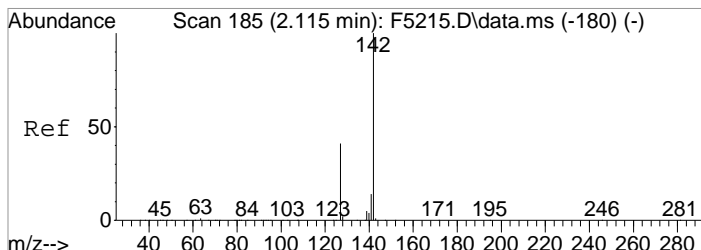
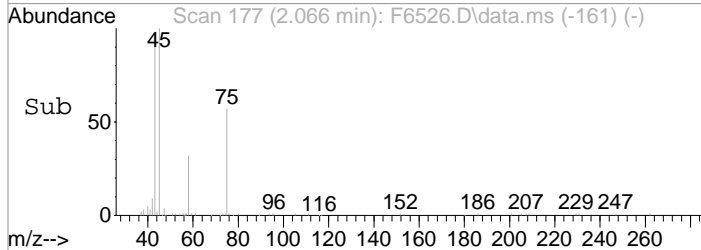
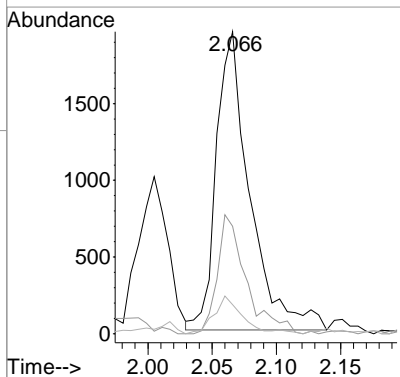
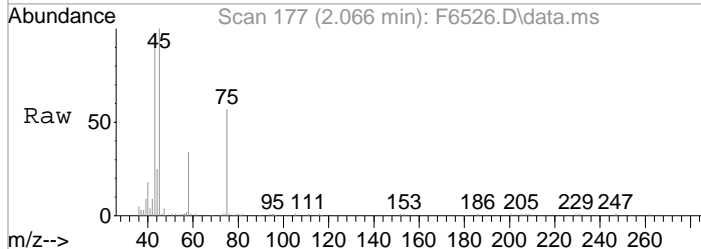
Tgt Ion	Resp	Lower	Upper
94	100		
96	85.5	74.5	114.5





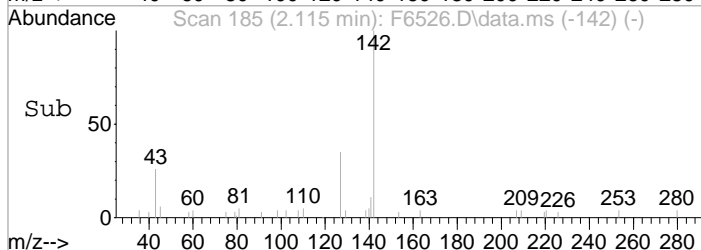
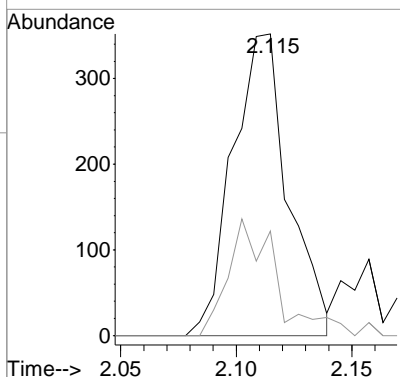
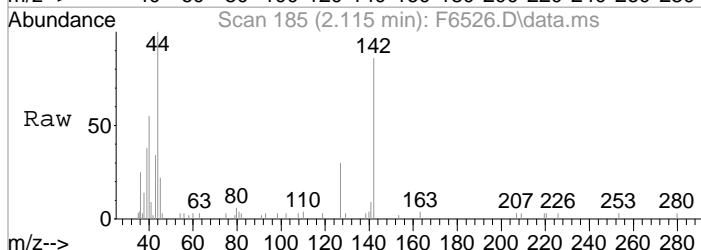
#15
 Acetone
 Concen: 2.96 ug/L
 RT: 2.066 min Scan# 177
 Delta R.T. 0.025 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

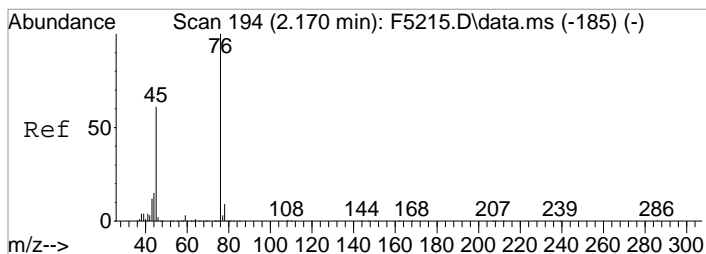
Tgt Ion	Resp	Lower	Upper
43	100		
58	35.6	14.7	54.7
42	9.6	0.0	27.4



#17
 Iodomethane
 Concen: 1.45 ug/L
 RT: 2.115 min Scan# 185
 Delta R.T. 0.001 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

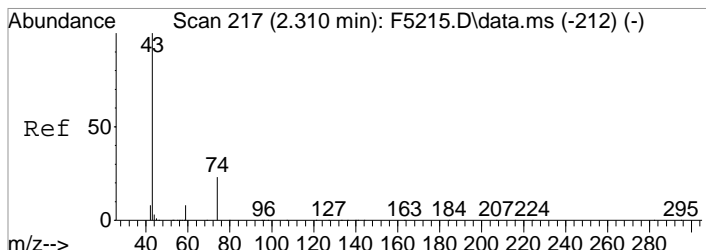
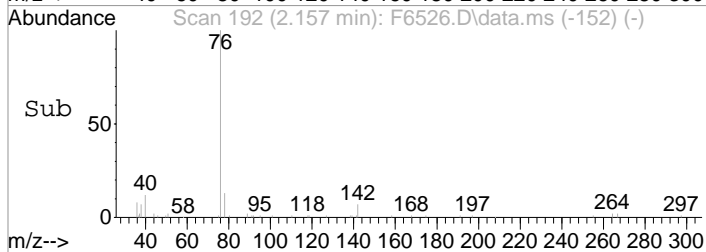
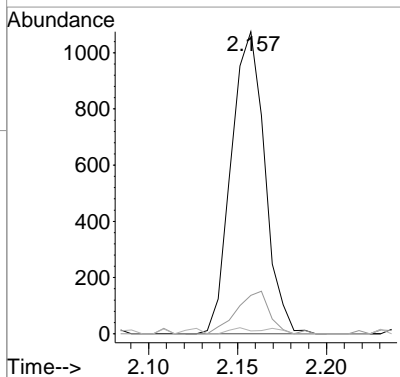
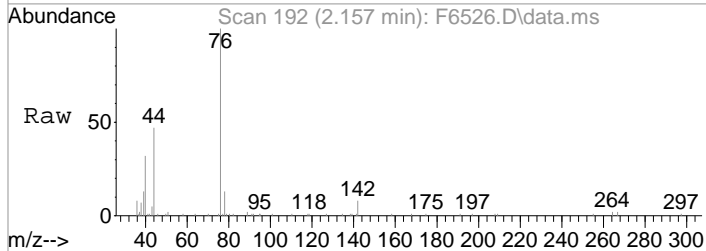
Tgt Ion	Resp	Lower	Upper
142	100		
127	34.7	21.2	61.2





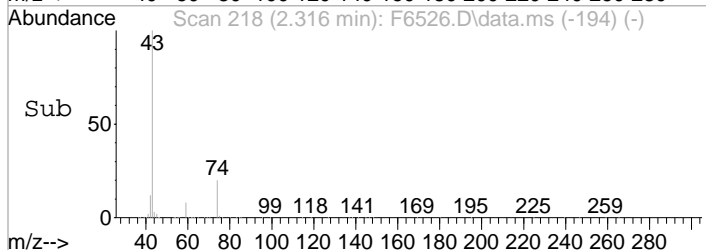
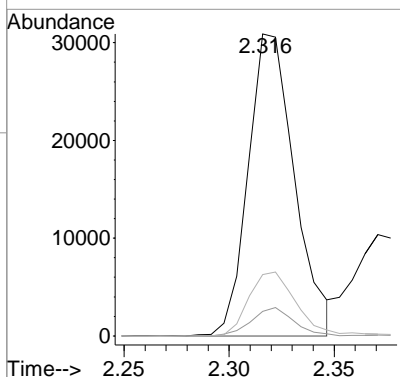
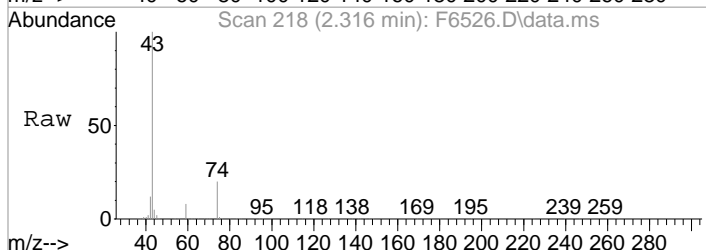
#18
 Carbon Disulfide
 Concen: 0.26 ug/L
 RT: 2.157 min Scan# 192
 Delta R.T. -0.012 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

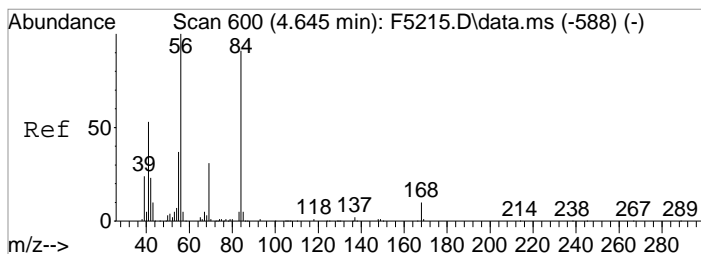
Tgt Ion	Resp	Lower	Upper
76	1413		
78	12.7	0.0	29.3
77	0.9	0.0	22.6



#21
 Methyl Acetate
 Concen: 19.05 ug/L
 RT: 2.316 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

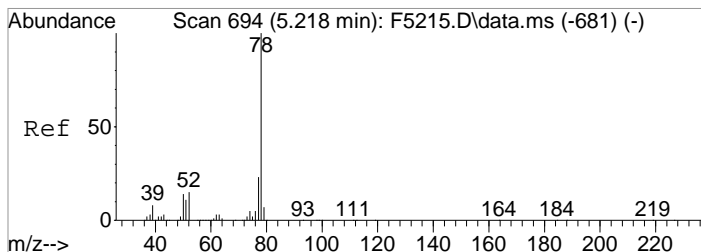
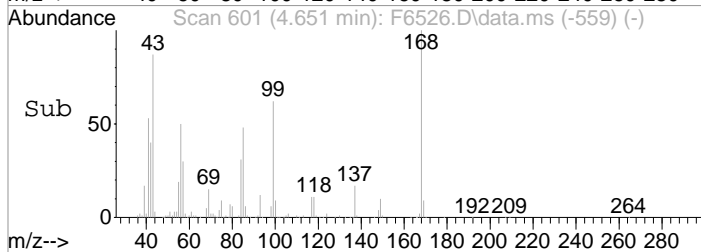
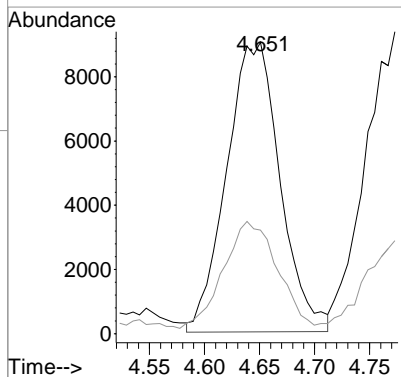
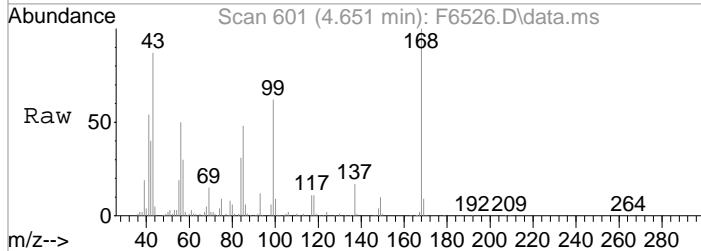
Tgt Ion	Resp	Lower	Upper
43	47280		
43	100		
59	8.1	0.0	28.2
74	20.3	3.6	43.6





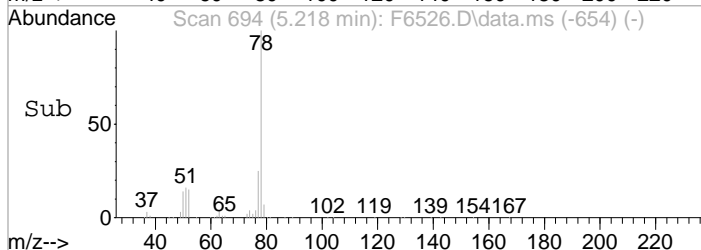
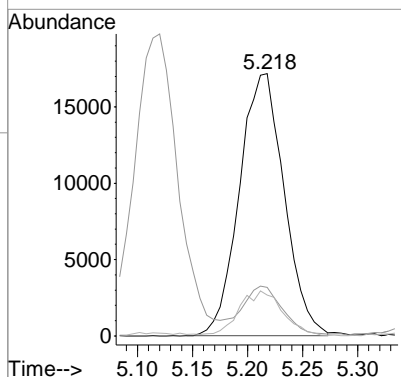
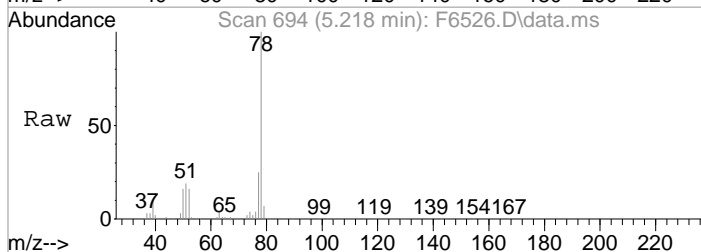
#43
 Cyclohexane
 Concen: 15.72 ug/L
 RT: 4.651 min Scan# 601
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

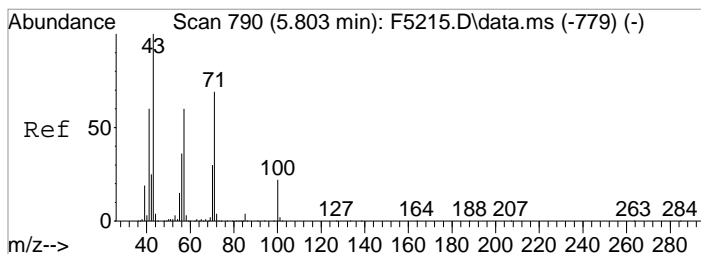
Tgt Ion	Resp	Lower	Upper
41	30481		
41	100		
39	35.5	25.3	65.3



#48
 Benzene
 Concen: 4.78 ug/L
 RT: 5.218 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

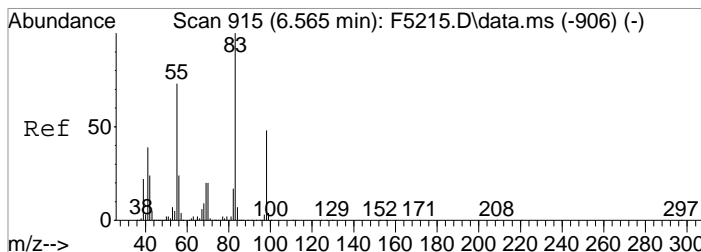
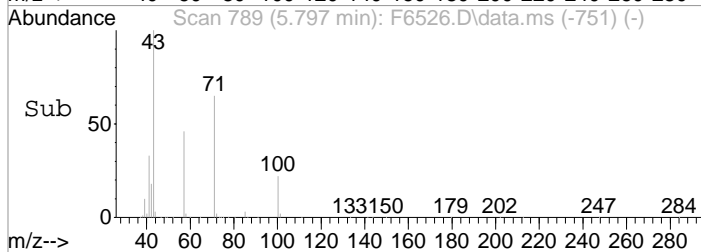
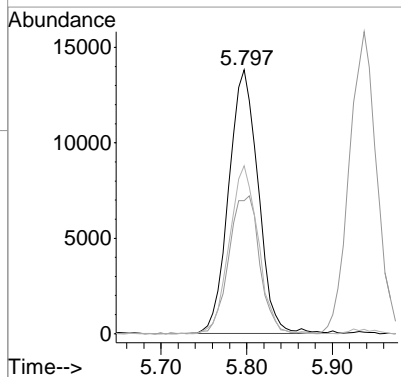
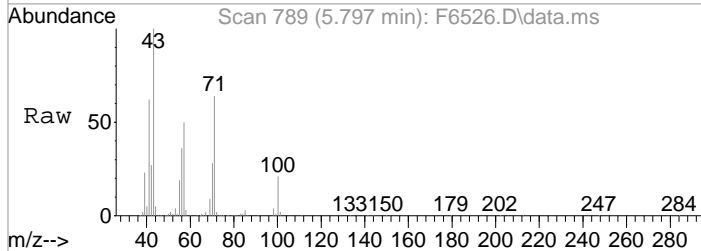
Tgt Ion	Resp	Lower	Upper
78	48442		
78	100		
51	18.6	0.0	36.7
52	15.6	0.0	35.3





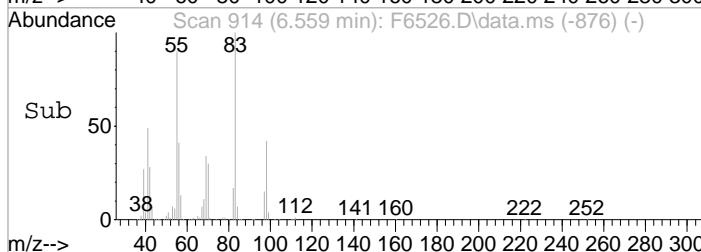
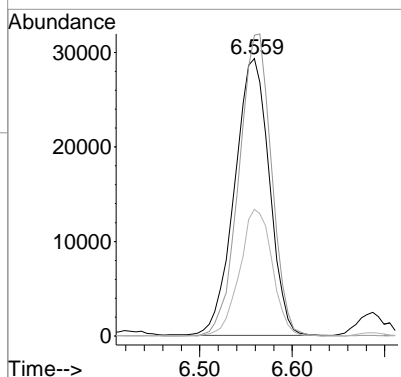
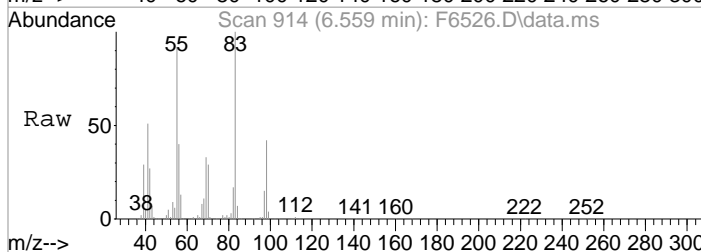
#51
 n-Heptane
 Concen: 13.14 ug/L
 RT: 5.797 min Scan# 789
 Delta R.T. -0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

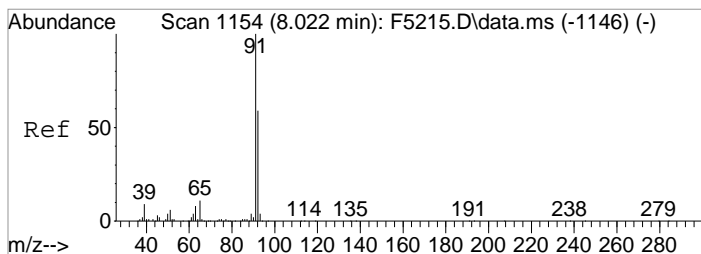
Tgt Ion	Resp	Lower	Upper
43	100		
57	50.3	39.7	79.7
71	63.6	48.7	88.7



#54
 Methylcyclohexane
 Concen: 28.34 ug/L
 RT: 6.559 min Scan# 914
 Delta R.T. -0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

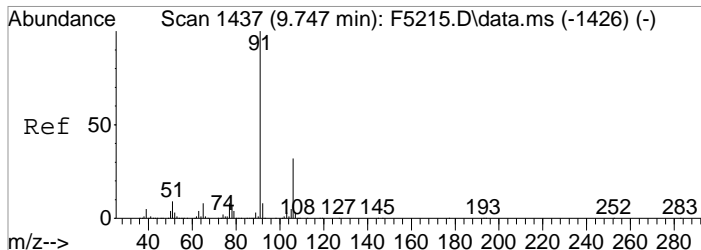
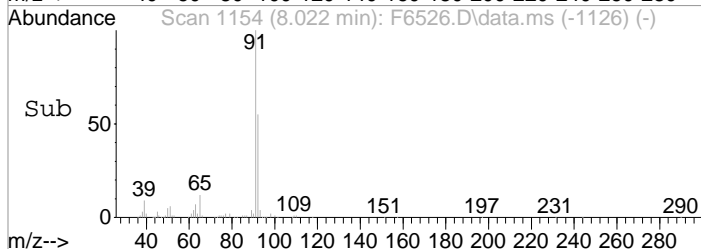
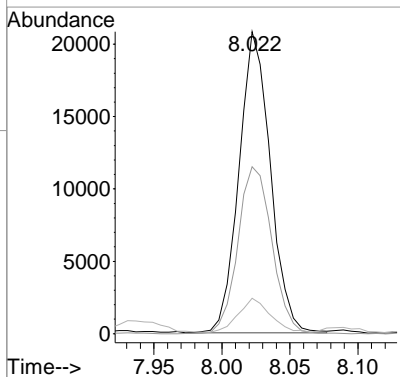
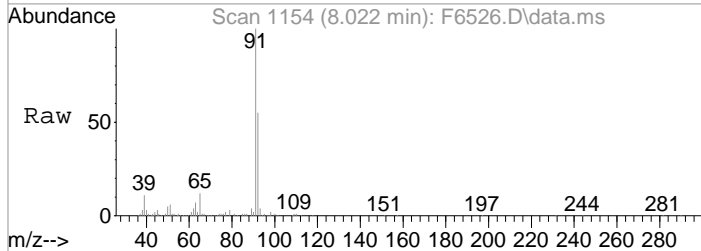
Tgt Ion	Resp	Lower	Upper
55	100		
83	108.5	116.5	156.5#
98	45.7	45.8	85.8#





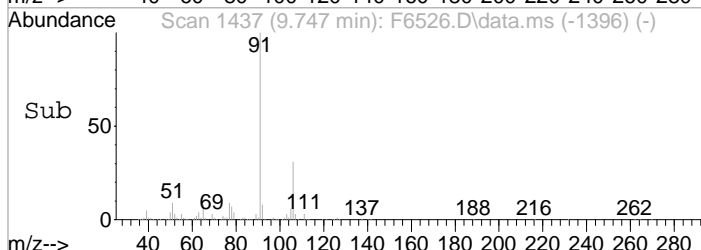
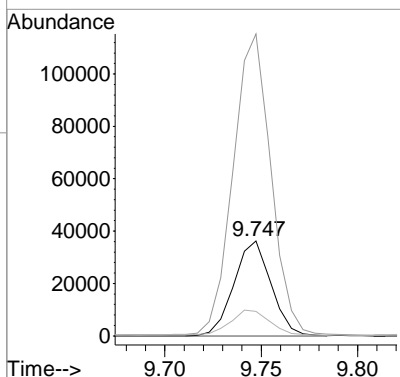
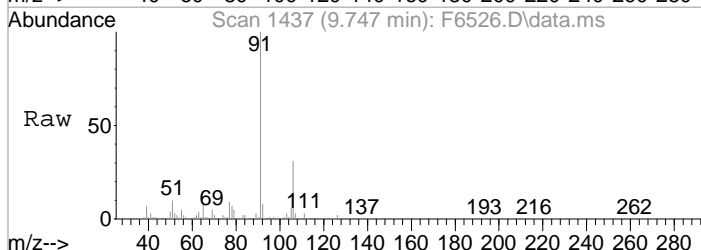
#65
 Toluene
 Concen: 3.10 ug/L
 RT: 8.022 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

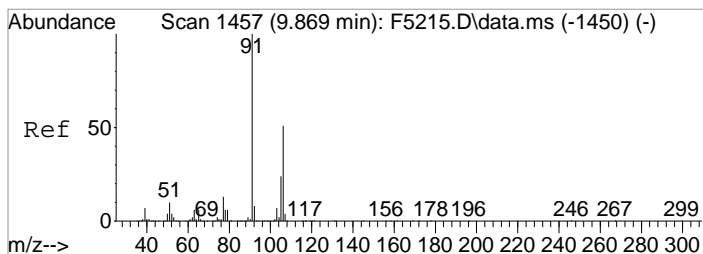
Tgt Ion	Resp	Lower	Upper
91	100		
92	55.3	39.1	79.1
65	11.8	0.0	31.2



#81
 Ethylbenzene
 Concen: 13.31 ug/L
 RT: 9.747 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

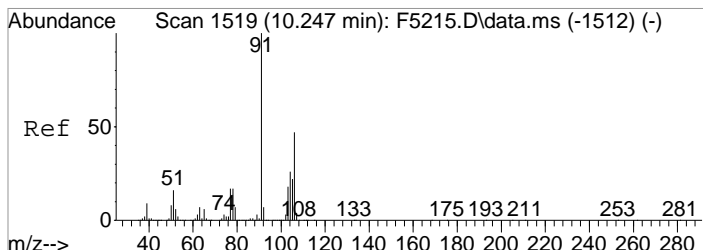
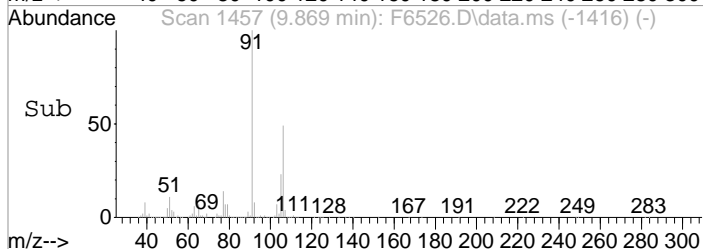
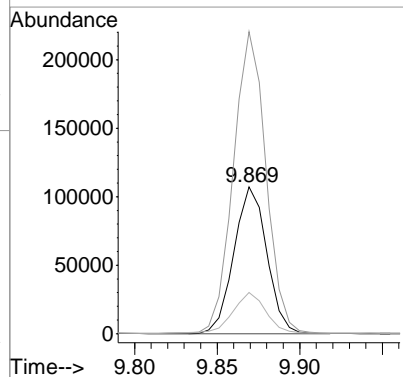
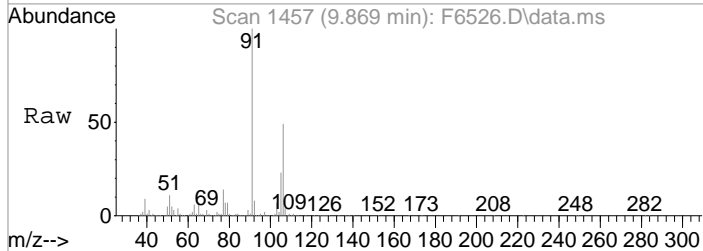
Tgt Ion	Resp	Lower	Upper
106	100		
91	318.3	294.3	334.3
65	25.9	4.8	44.8





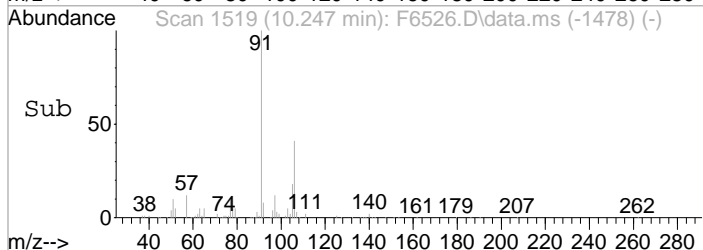
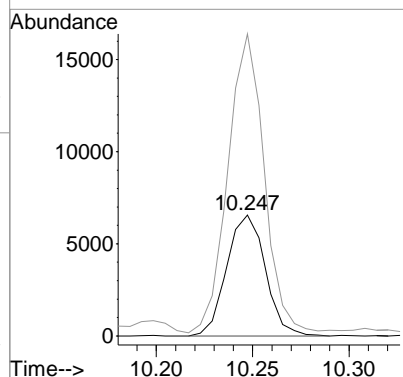
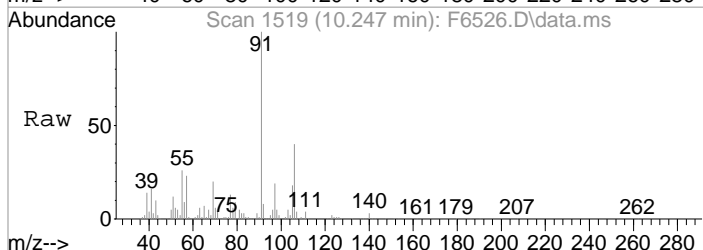
#82
 (m+p)Xylene
 Concen: 32.97 ug/L
 RT: 9.869 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

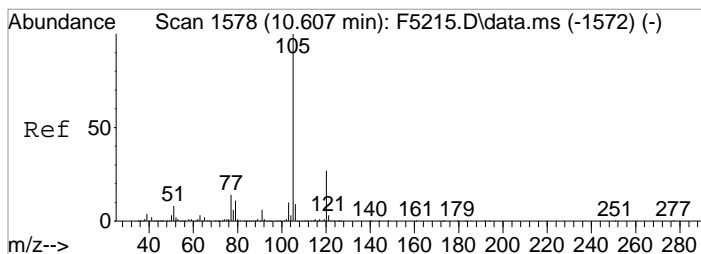
Tgt Ion	Resp	Lower	Upper
106	148862		
106	100		
91	205.6	176.2	216.2
77	28.1	5.1	45.1



#83
 o-Xylene
 Concen: 2.05 ug/L
 RT: 10.247 min Scan# 1519
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

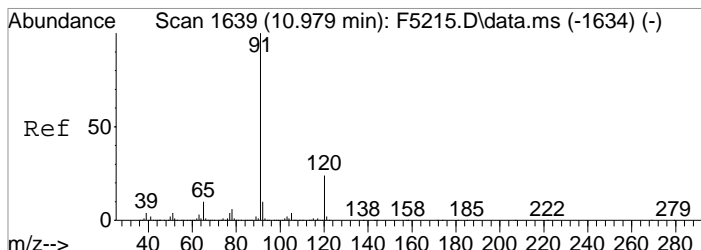
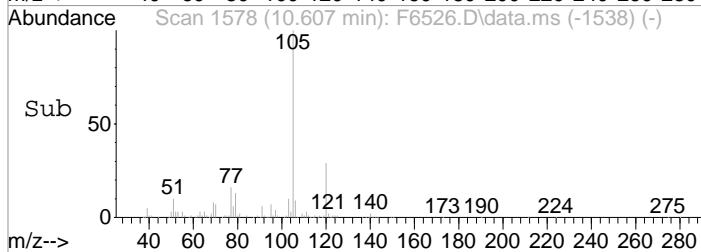
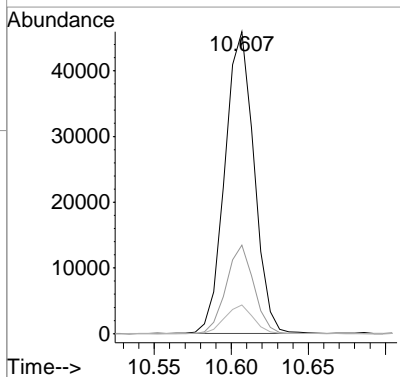
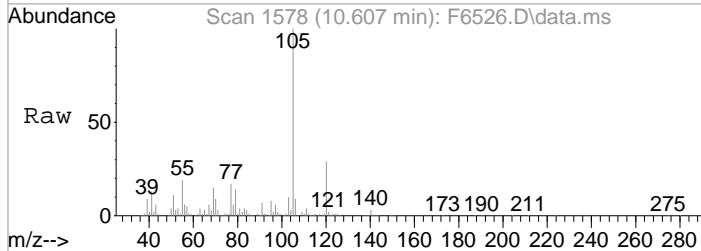
Tgt Ion	Resp	Lower	Upper
106	9157		
106	100		
91	250.1	192.0	232.0#





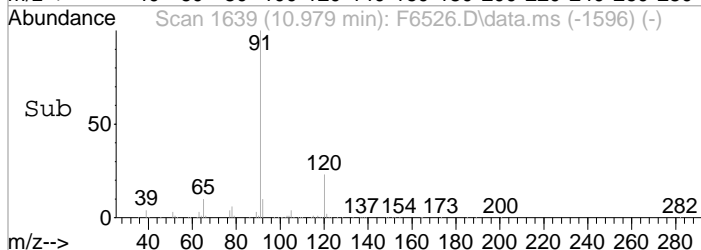
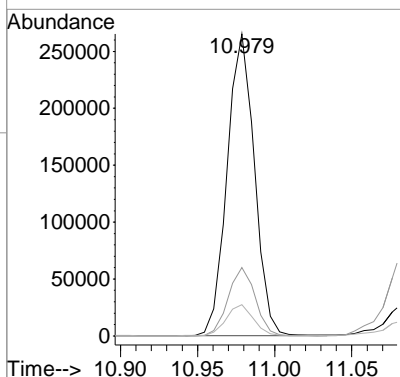
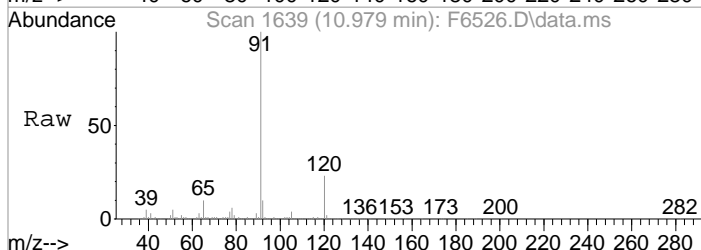
#87
 Isopropylbenzene
 Concen: 5.48 ug/L
 RT: 10.607 min Scan# 1578
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

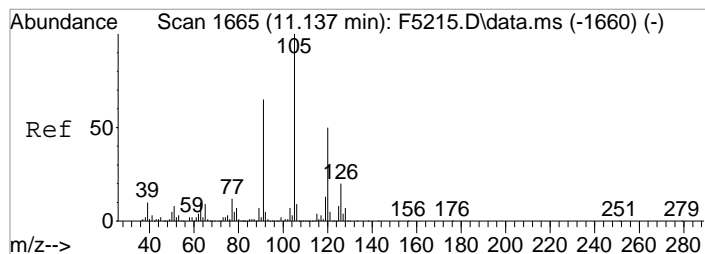
Tgt Ion	Resp	Lower	Upper
105	60494		
120	29.3	6.5	46.5
106	9.5	0.0	28.8



#94
 n-Propylbenzene
 Concen: 25.98 ug/L
 RT: 10.979 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

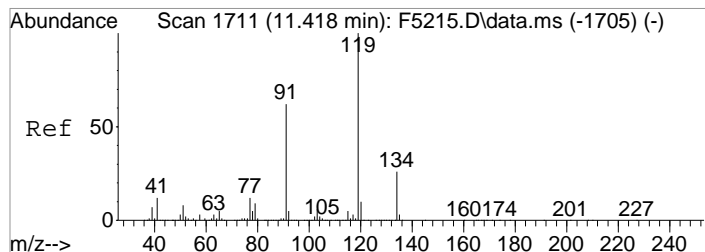
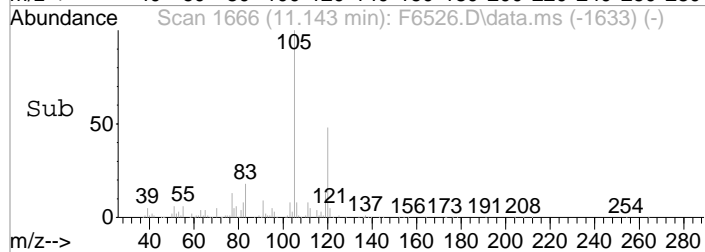
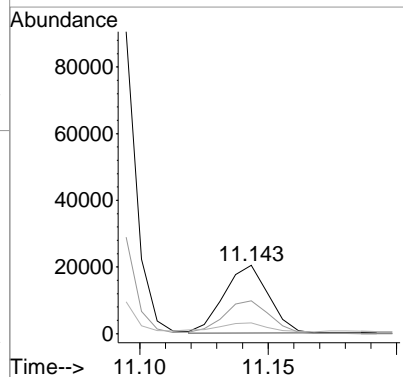
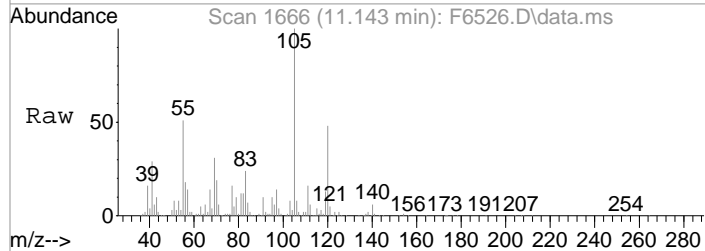
Tgt Ion	Resp	Lower	Upper
91	326019		
120	22.7	3.7	43.7
65	10.3	0.0	29.5





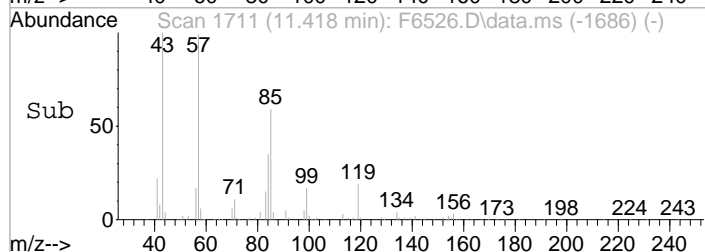
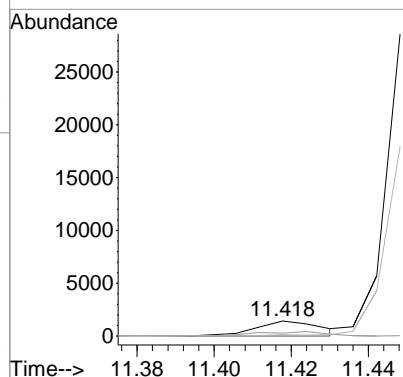
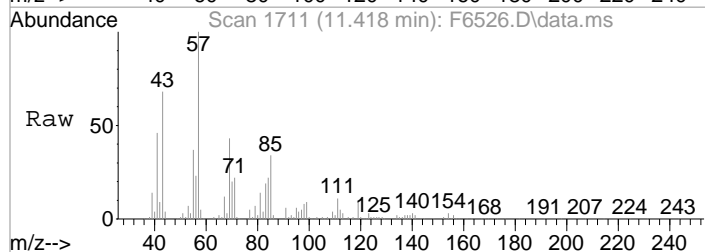
#98
 1,3,5-Trimethylbenzene
 Concen: 2.72 ug/L
 RT: 11.143 min Scan# 1666
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

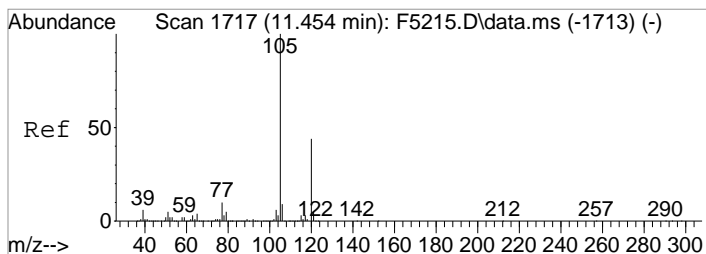
Tgt Ion	Resp	Lower	Upper
105	24504		
120	48.2	30.2	70.2
77	15.8	0.0	32.3



#99
 tert-Butylbenzene
 Concen: 0.21 ug/L
 RT: 11.418 min Scan# 1711
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

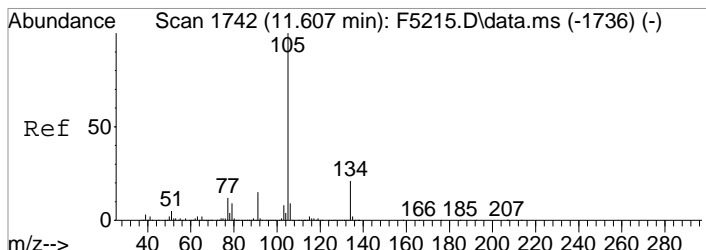
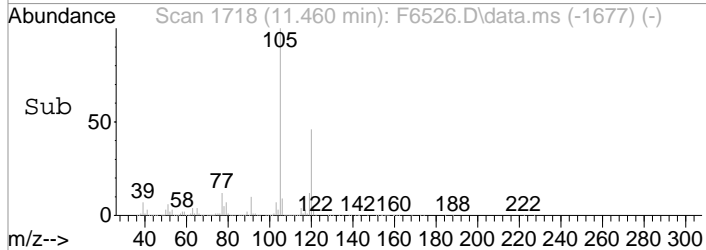
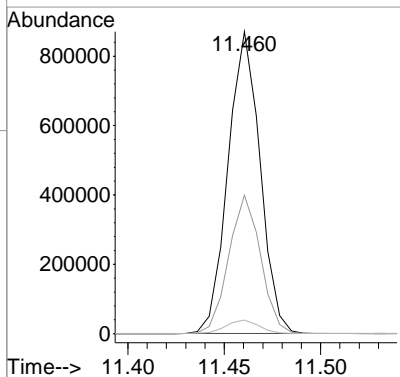
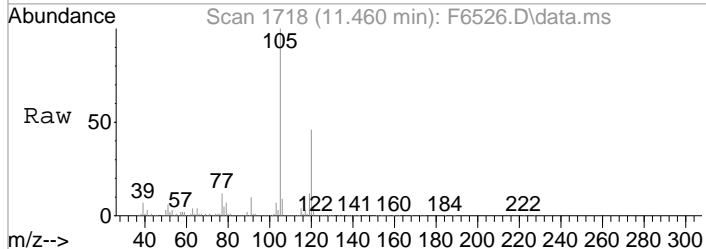
Tgt Ion	Resp	Lower	Upper
119	1632		
134	19.0	6.3	46.3
103	7.9	0.0	26.2





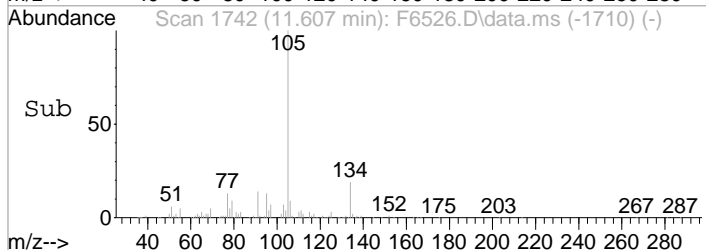
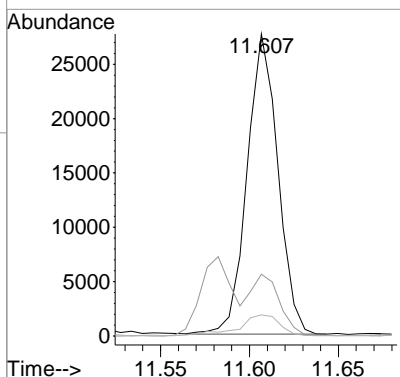
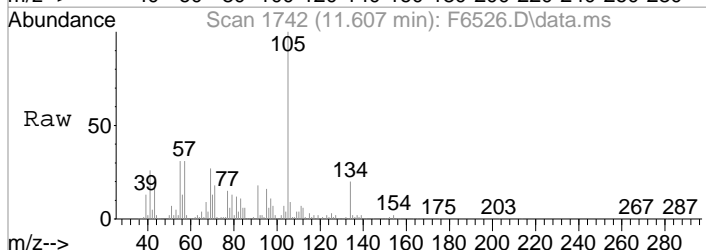
#100
 1,2,4-Trimethylbenzene
 Concen: 110.22 ug/L
 RT: 11.460 min Scan# 1718
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

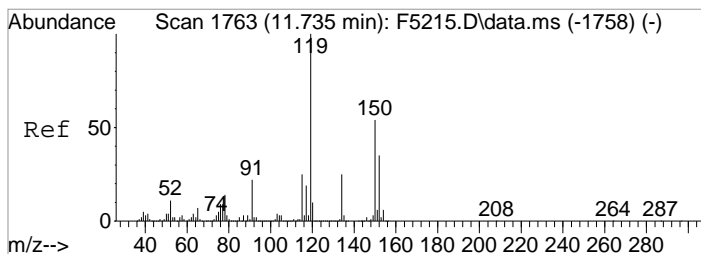
Tgt Ion	Resp	Lower	Upper
105	1004776		
120	45.8	26.3	66.3
65	4.5	0.0	24.4



#102
 sec-Butylbenzene
 Concen: 2.99 ug/L
 RT: 11.607 min Scan# 1742
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

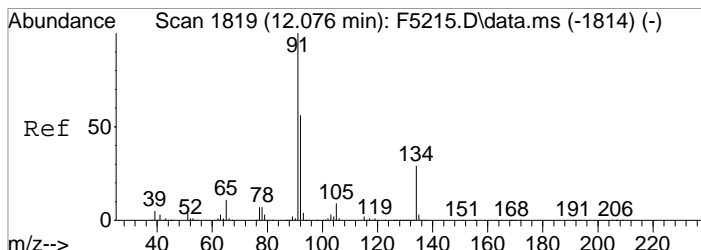
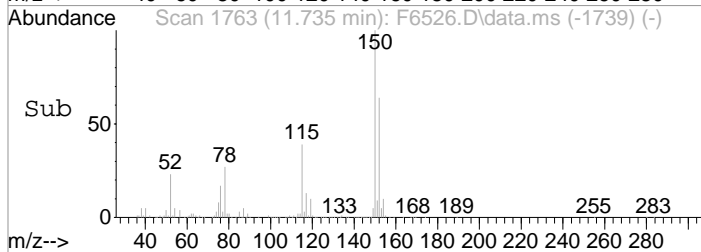
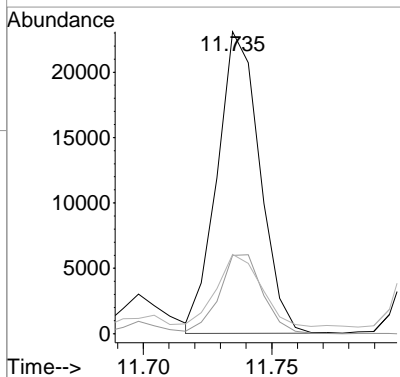
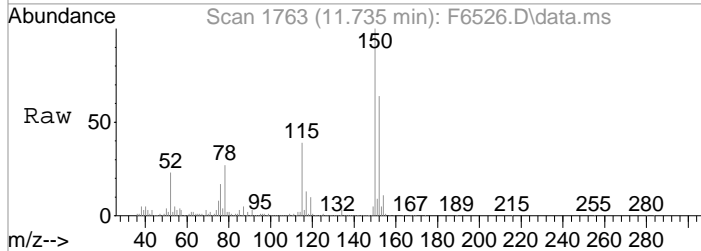
Tgt Ion	Resp	Lower	Upper
105	33330		
134	20.4	0.7	40.7
103	7.0	0.0	27.8





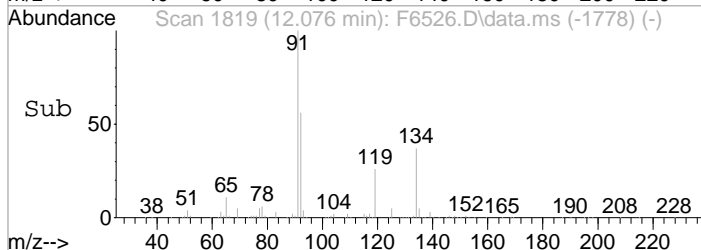
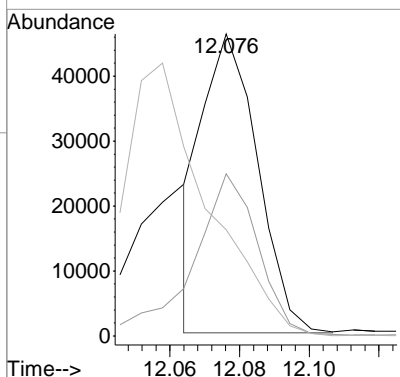
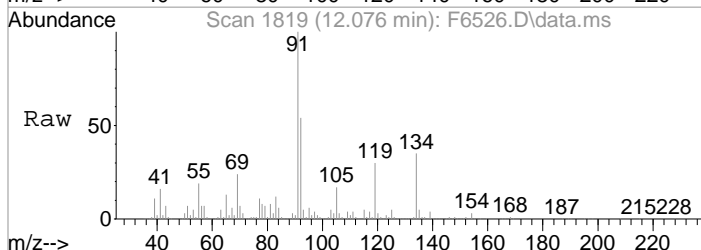
#103
 p-Isopropyltoluene
 Concen: 2.81 ug/L
 RT: 11.735 min Scan# 1763
 Delta R.T. -0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

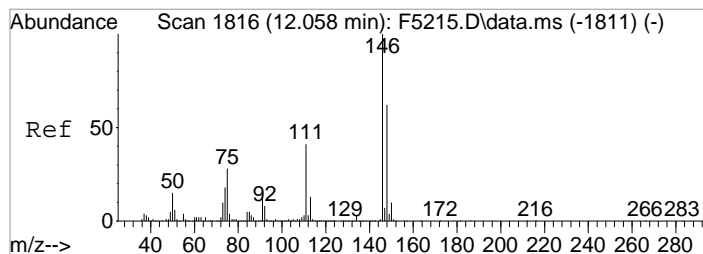
Tgt Ion	Resp	Lower	Upper
119	100		
134	25.9	5.5	45.5
91	26.2	1.7	41.7



#108
 n-Butylbenzene
 Concen: 6.05 ug/L m
 RT: 12.076 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

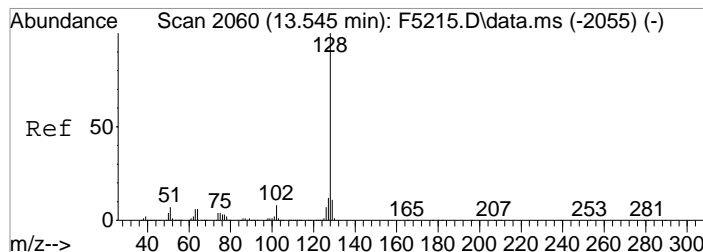
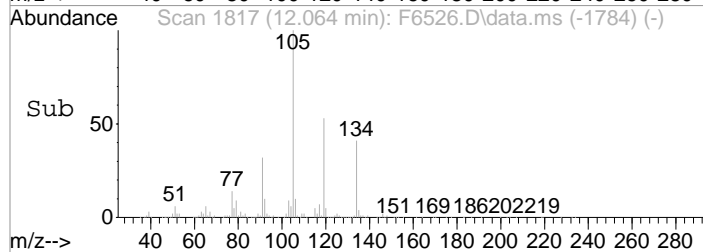
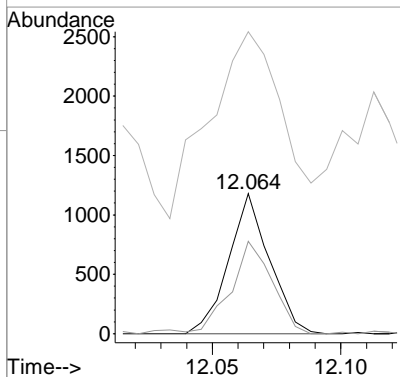
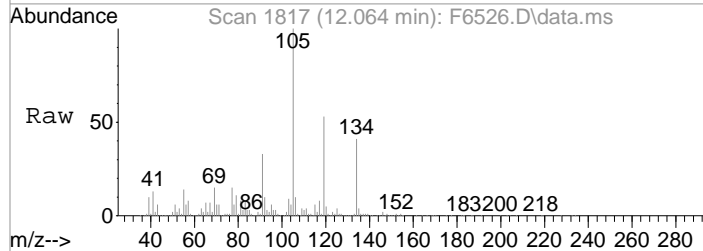
Tgt Ion	Resp	Lower	Upper
91	100		
92	53.7	35.6	75.6
134	35.2	8.6	48.6





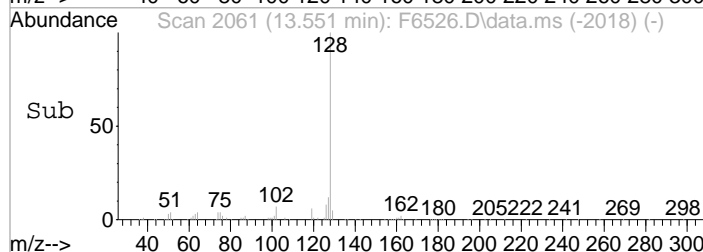
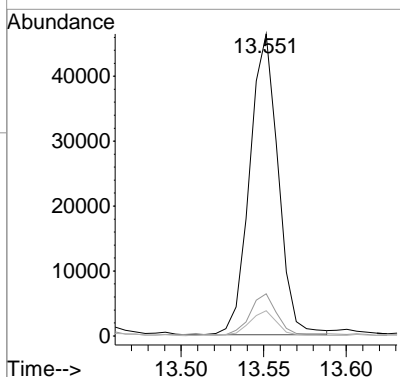
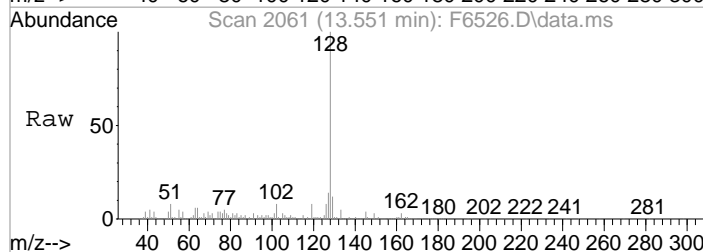
#109
 1,2-Diclbz
 Concen: 0.22 ug/L
 RT: 12.064 min Scan# 1817
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

Tgt Ion	Resp	Lower	Upper
146	1304		
148	66.0	42.3	82.3
111	215.6	21.1	61.1#



#116
 Naphthalen
 Concen: 5.27 ug/L
 RT: 13.551 min Scan# 2061
 Delta R.T. 0.006 min
 Lab File: F6526.D
 Acq: 8 May 2019 9:37 pm

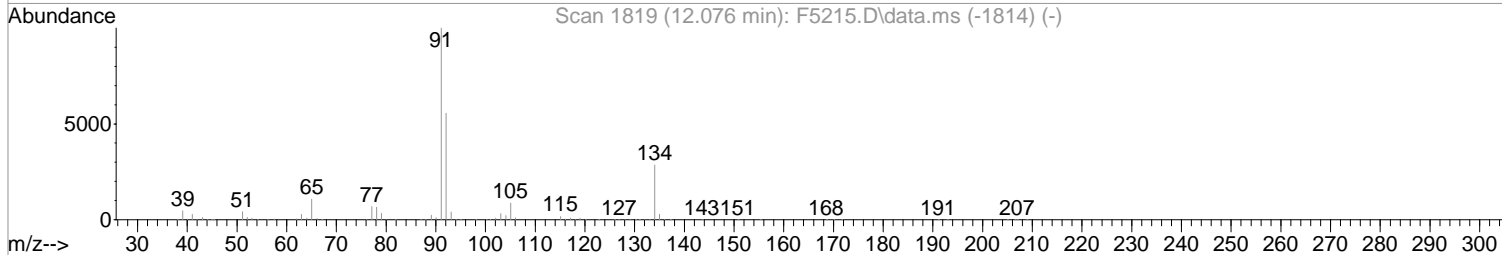
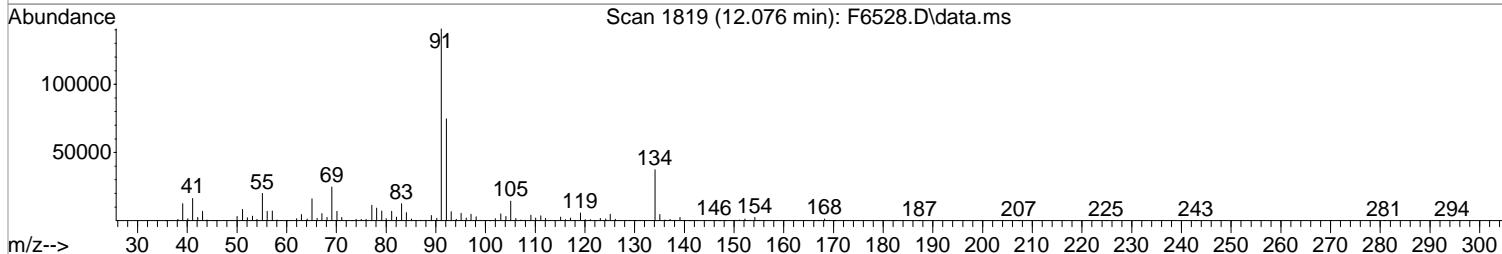
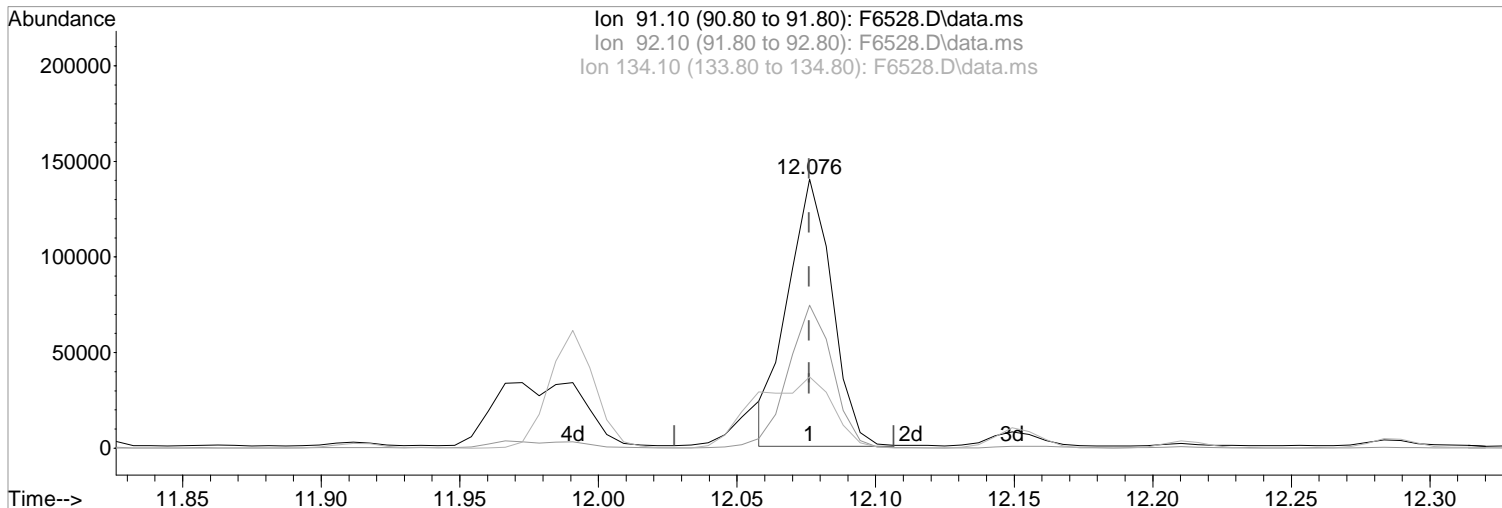
Tgt Ion	Resp	Lower	Upper
128	55902		
127	13.9	0.0	32.4
102	8.4	0.0	28.1



Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6528.D
Acq On : 8 May 2019 10:21 pm
Operator : F.NAEGLER
Sample : R1903954-011|1620.0
Misc : DAY 19396 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:40:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(108) n-Butylbenzene
12.076min (+0.000) 18.67 ug/L m
response 155446

Manual Integration:

After

Poor integration.

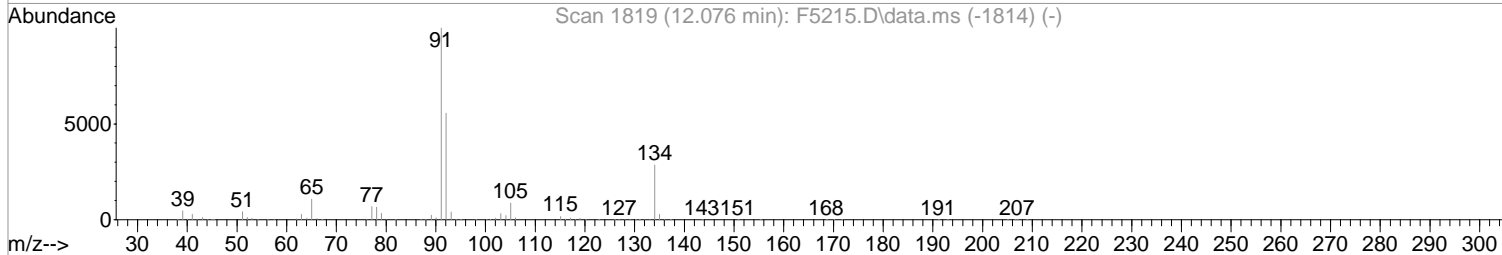
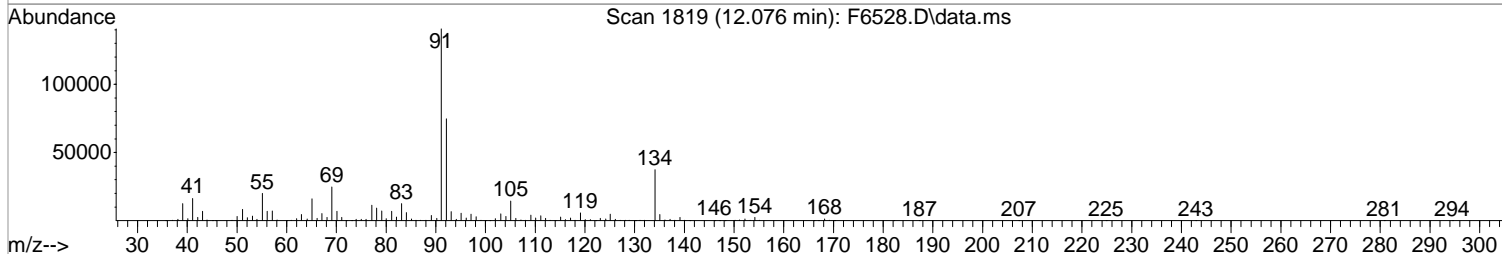
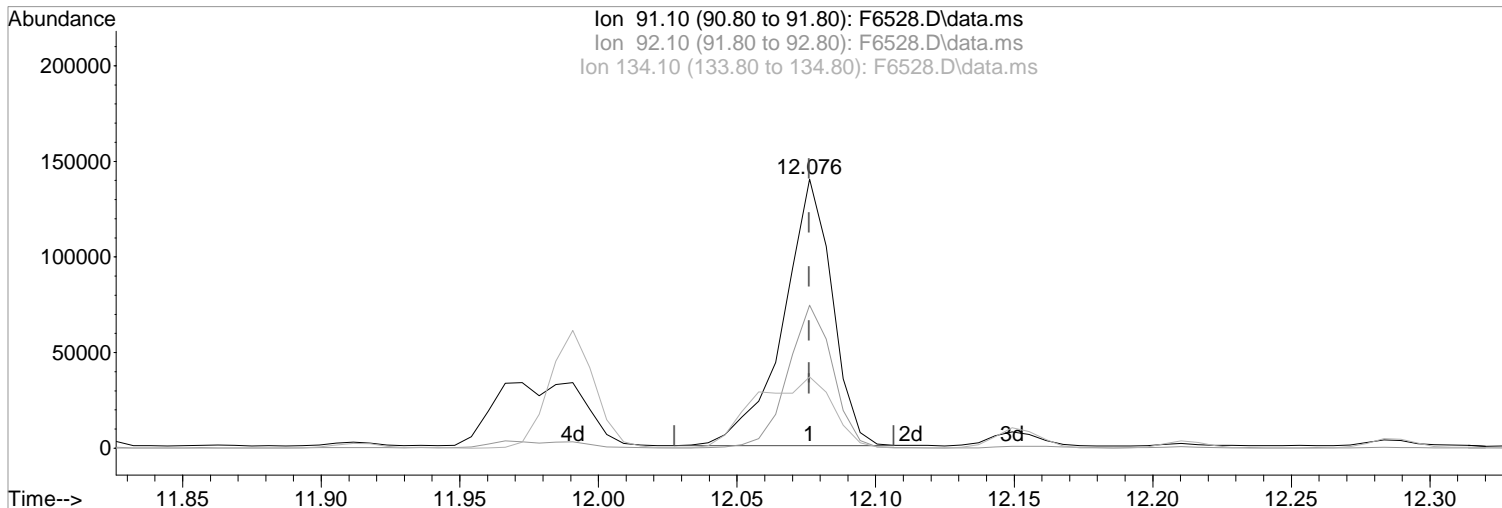
05/10/19

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	53.14
134.10	28.60	26.56
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6528.D
Acq On : 8 May 2019 10:21 pm
Operator : F.NAEGLER
Sample : R1903954-011|1620.0
Misc : DAY 19396 T4
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 09 07:40:18 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(108) n-Butylbenzene
12.076min (+0.000) 20.61 ug/L
response 171624

Manual Integration:
Before

Ion	Exp%	Act%
91.10	100	100
92.10	55.60	53.14
134.10	28.60	26.56
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6528.D
 Acq On : 8 May 2019 10:21 pm
 Operator : F.NAEGLER
 Sample : R1903954-011|1620.0 Inst : MSVOA14
 Misc : DAY 19396 T4
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 10 10:45:40 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	267404	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	412321	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	359113	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	182505	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	118676	43.19	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	86.38%#		
47) surr1,1,2-dichloroetha...	5.120	65	149815	46.53	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	93.06%		
64) SURR3,Toluene-d8	7.949	98	499666	45.56	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	91.12%		
69) SURR2,BFB	10.729	95	185737	43.73	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	87.46%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	712	0.20	ug/L	88
6) Chloroethane	1.475	64	934	0.50	ug/L	98
15) Acetone	2.048	43	1079	0.83	ug/L	88
21) Methyl Acetate	2.316	43	6361	2.34	ug/L	96
43) Cyclohexane	4.663	41	31022	14.88	ug/L	84
51) n-Heptane	5.803	43	80938	29.98	ug/L	90
54) Methylcyclohexane	6.565	55	156252	53.77	ug/L	85
81) Ethylbenzene	9.747	106	8978	2.32	ug/L #	84
87) Isopropylbenzene	10.607	105	101374	8.67	ug/L	100
94) n-Propylbenzene	10.979	91	488650	39.04	ug/L	97
99) tert-Butylbenzene	11.418	119	3736	0.48	ug/L	92
100) 1,2,4-Trimethylbenzene	11.460	105	5766	0.63	ug/L	90
102) sec-Butylbenzene	11.607	105	59319	5.34	ug/L	99
103) p-Isopropyltoluene	11.735	119	3971	0.42	ug/L #	54
108) n-Butylbenzene	12.076	91	155446m	18.67	ug/L	
116) Naphthalen	13.551	128	294712	25.00	ug/L	99

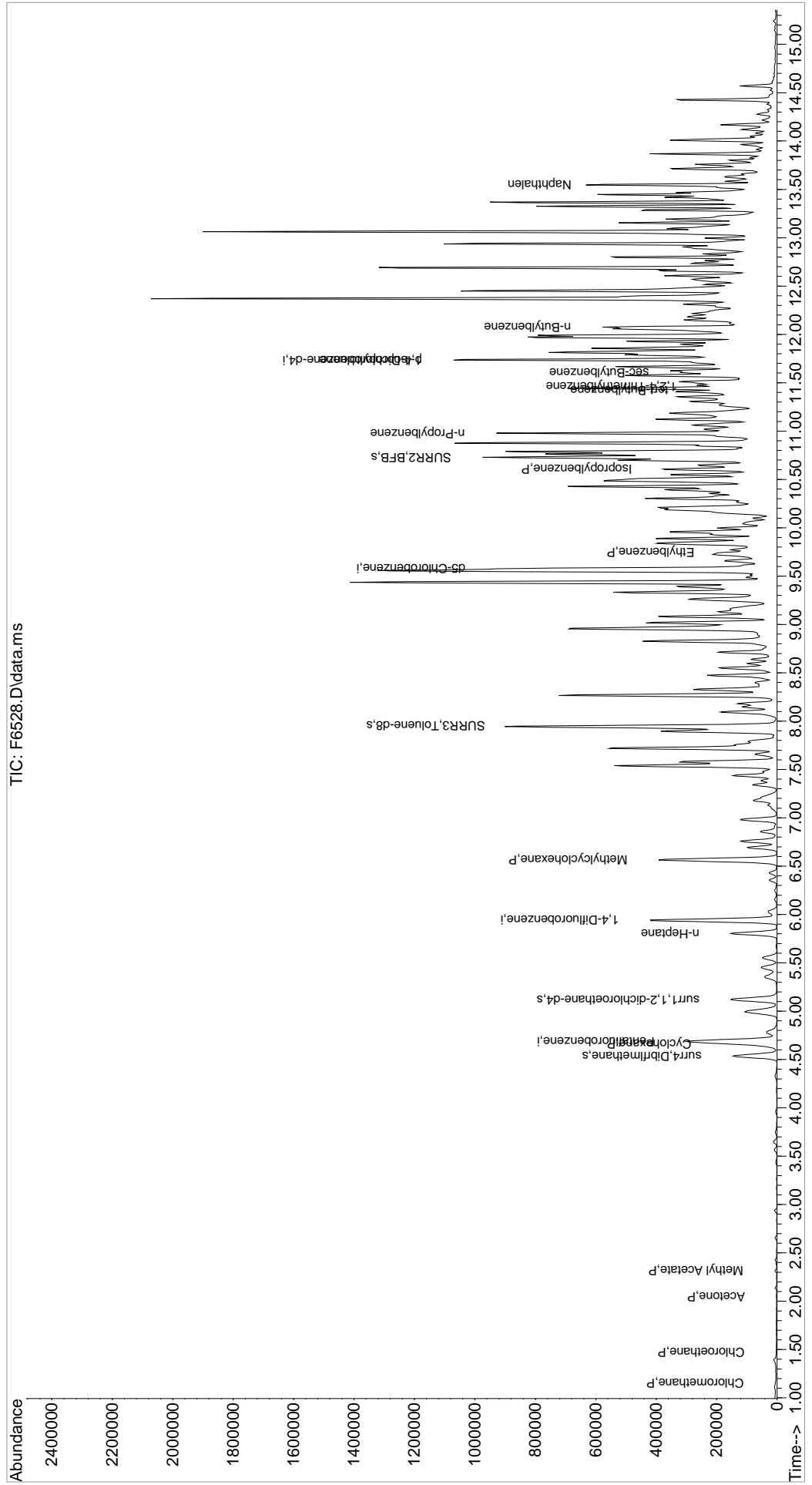
OK soil limits

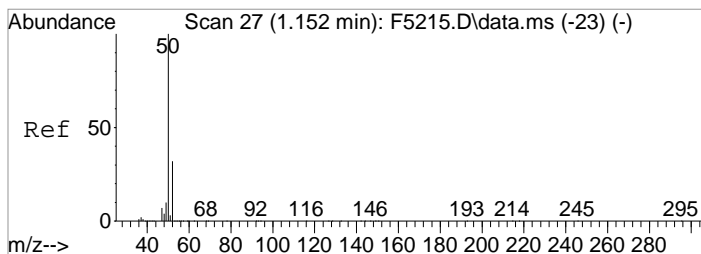
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\MSVOA14\Data\050819\
 Data File : F6528.D
 Acq On : 8 May 2019 10:21 pm
 Operator : F.NAEGLER
 Sample : R1903954-011|1620.0
 Misc : DAY 19396 T4
 ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA14

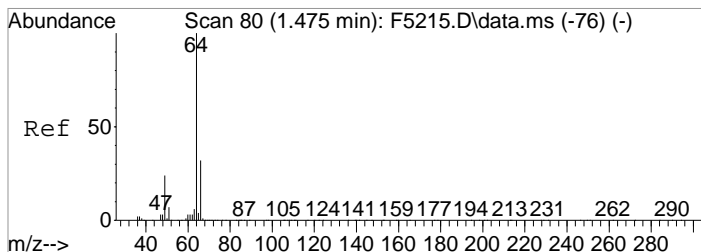
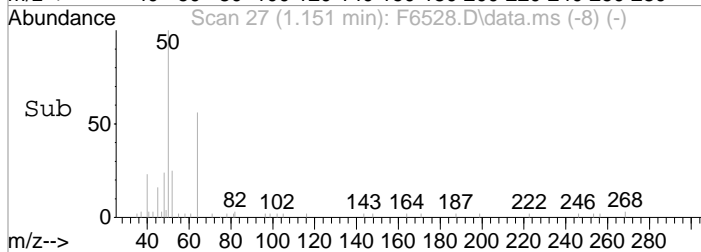
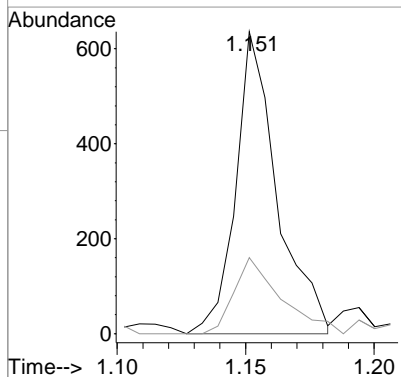
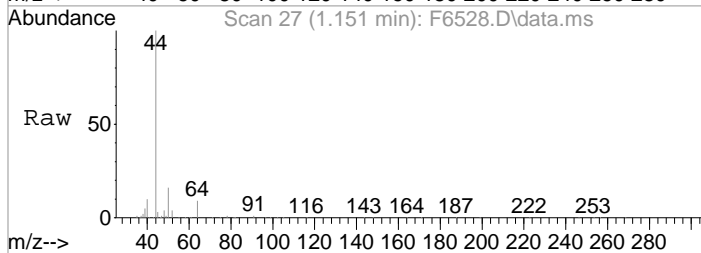
Quant Time: May 10 10:45:40 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration





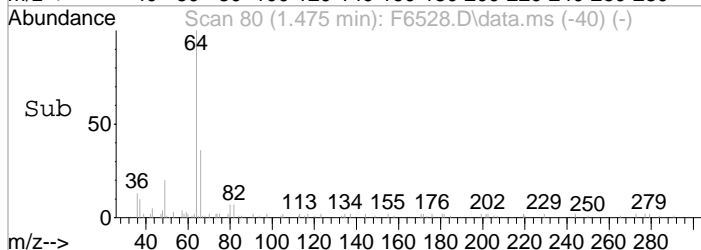
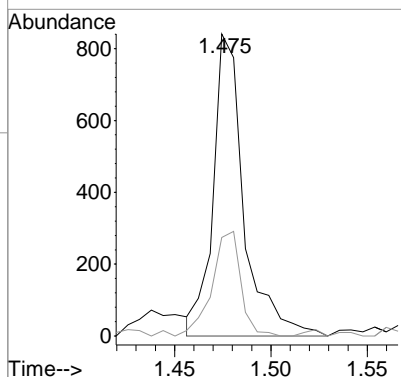
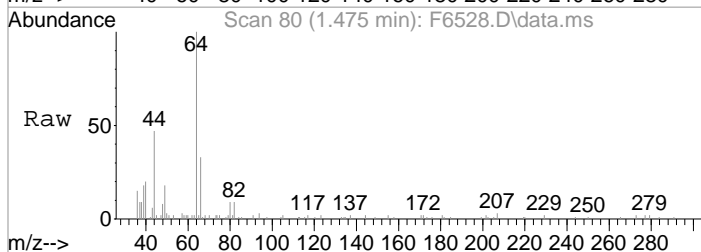
#3
Chloromethane
Concen: 0.20 ug/L
RT: 1.151 min Scan# 27
Delta R.T. -0.000 min
Lab File: F6528.D
Acq: 8 May 2019 10:21 pm

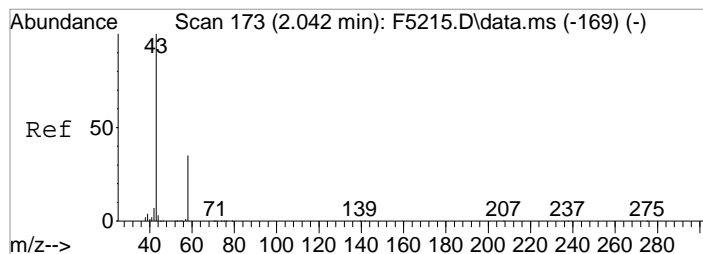
Tgt Ion	Resp	Lower	Upper
50	100		
52	25.2	11.9	51.9



#6
Chloroethane
Concen: 0.50 ug/L
RT: 1.475 min Scan# 80
Delta R.T. -0.000 min
Lab File: F6528.D
Acq: 8 May 2019 10:21 pm

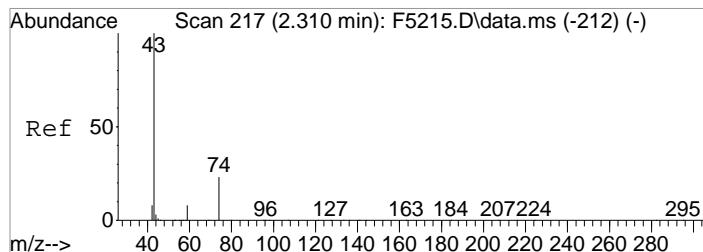
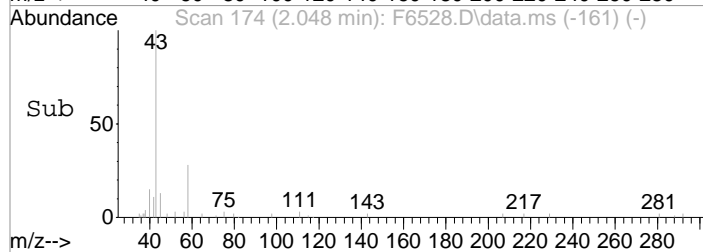
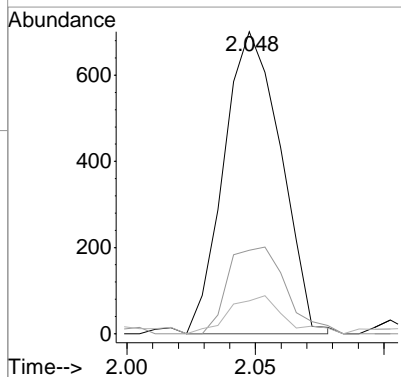
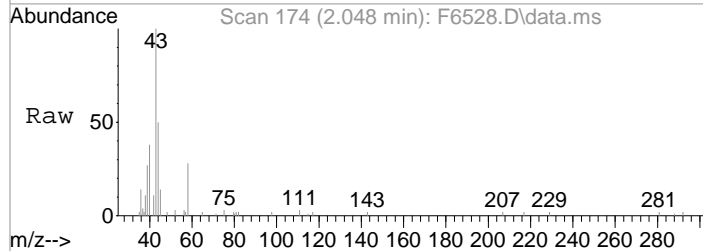
Tgt Ion	Resp	Lower	Upper
64	100		
66	32.6	11.6	51.6





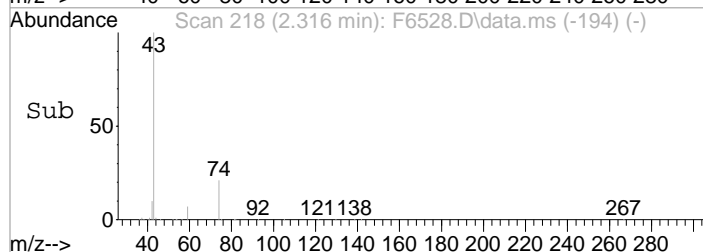
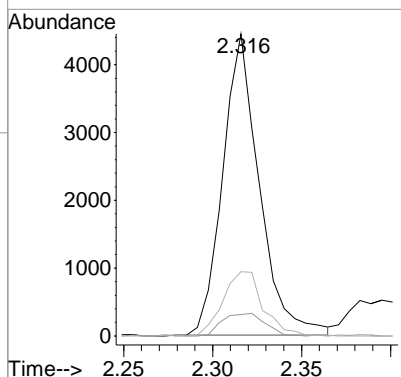
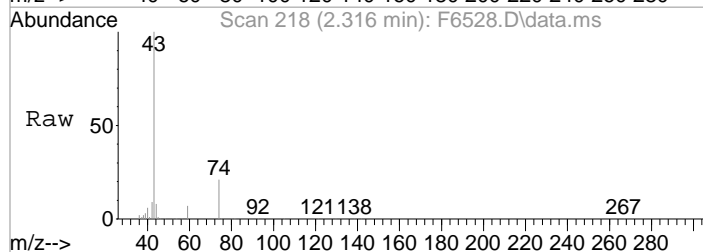
#15
 Acetone
 Concen: 0.83 ug/L
 RT: 2.048 min Scan# 174
 Delta R.T. 0.007 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

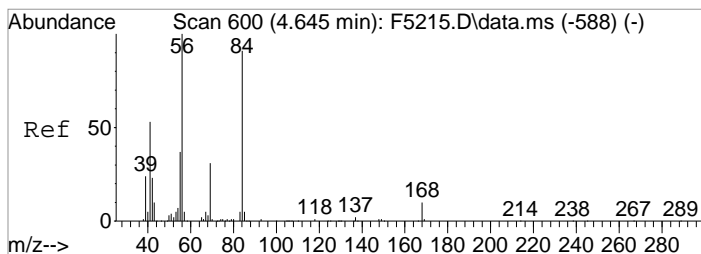
Tgt Ion	Resp	Lower	Upper
43	1079		
58	27.7	14.7	54.7
42	10.8	0.0	27.4



#21
 Methyl Acetate
 Concen: 2.34 ug/L
 RT: 2.316 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

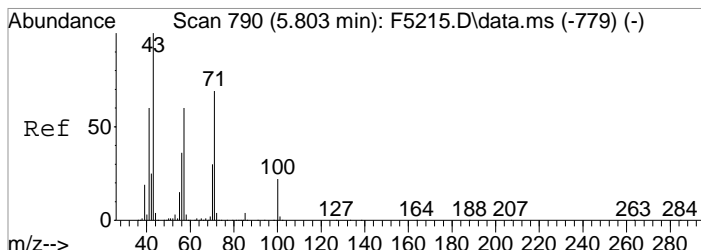
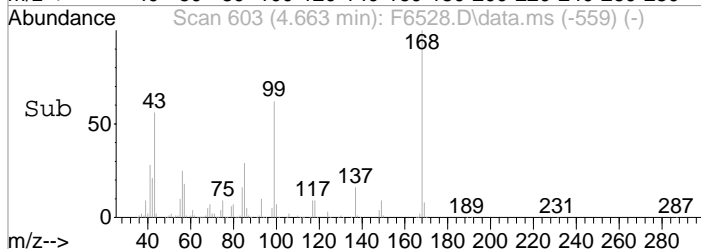
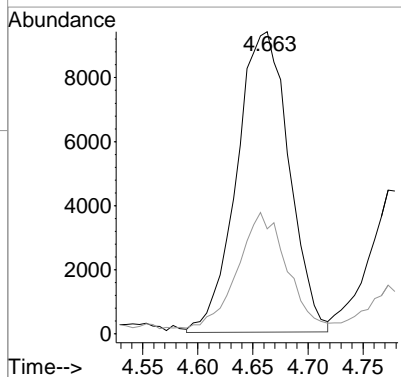
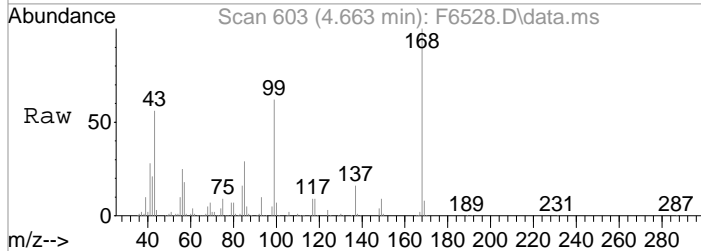
Tgt Ion	Resp	Lower	Upper
43	6361		
59	7.0	0.0	28.2
74	21.3	3.6	43.6





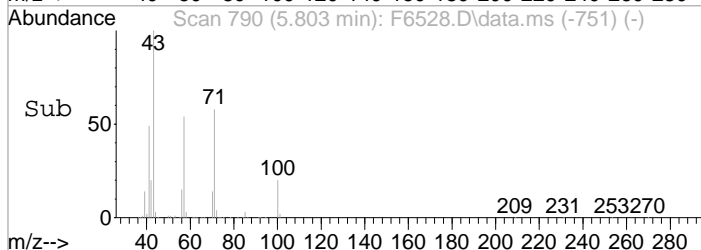
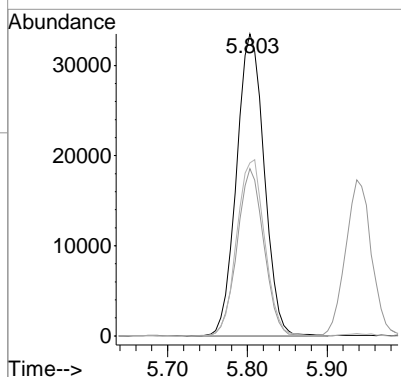
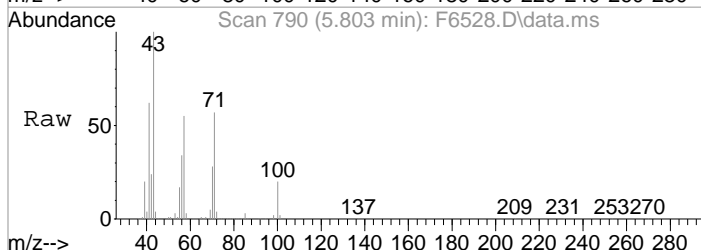
#43
 Cyclohexane
 Concen: 14.88 ug/L
 RT: 4.663 min Scan# 603
 Delta R.T. 0.018 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

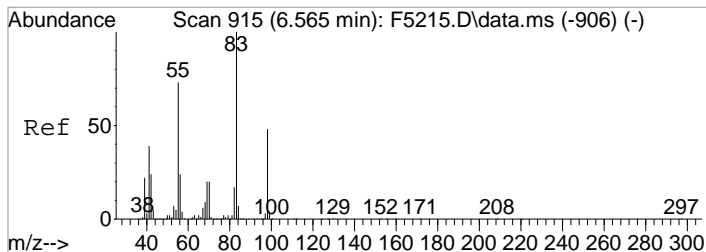
Tgt Ion	Resp	Lower	Upper
41	31022		
41	100		
39	34.7	25.3	65.3



#51
 n-Heptane
 Concen: 29.98 ug/L
 RT: 5.803 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

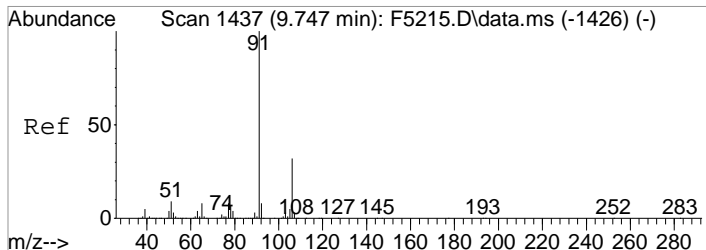
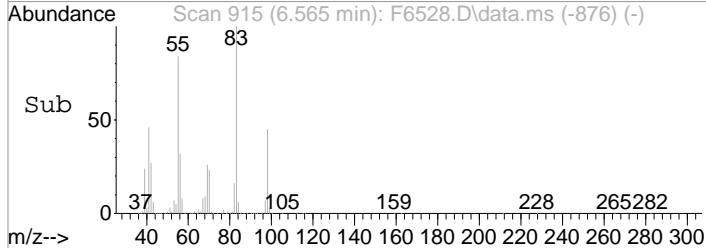
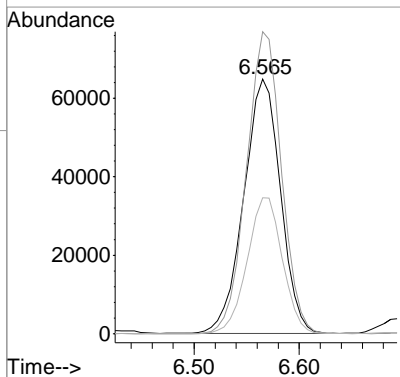
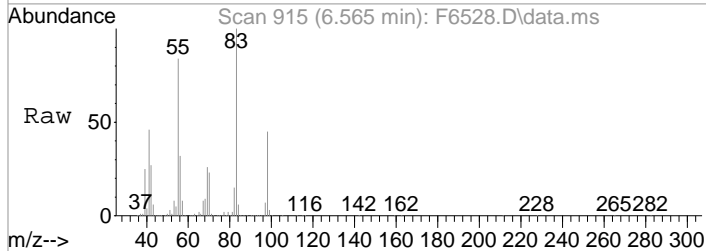
Tgt Ion	Resp	Lower	Upper
43	80938		
43	100		
57	55.4	39.7	79.7
71	57.3	48.7	88.7





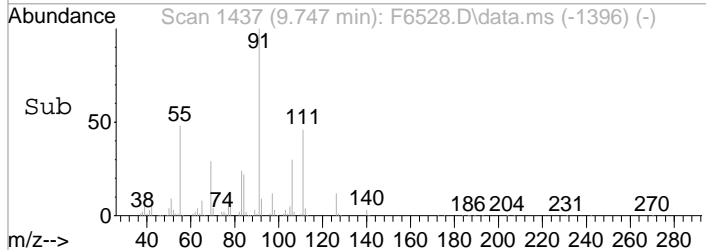
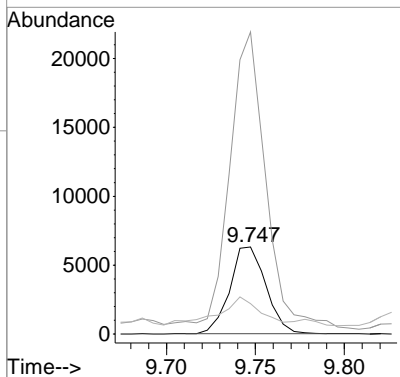
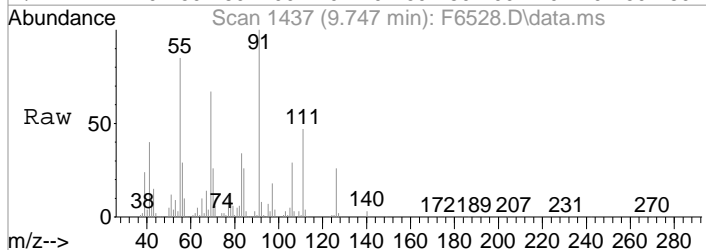
#54
 Methylcyclohexane
 Concen: 53.77 ug/L
 RT: 6.565 min Scan# 915
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

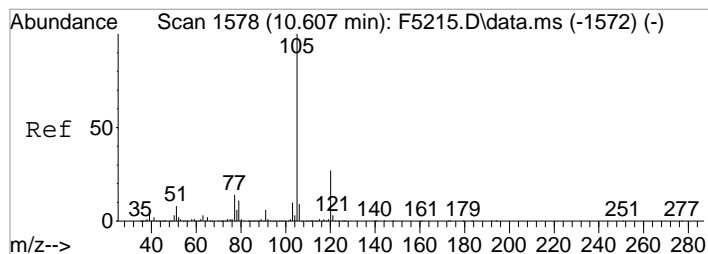
Tgt Ion	Resp	Lower	Upper
55	156252		
55	100		
83	118.6	116.5	156.5
98	53.4	45.8	85.8



#81
 Ethylbenzene
 Concen: 2.32 ug/L
 RT: 9.747 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

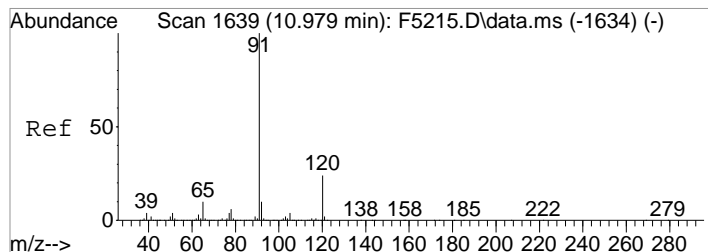
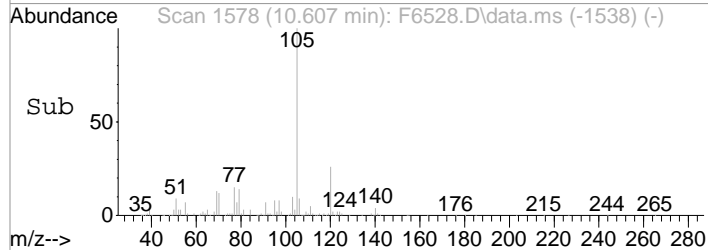
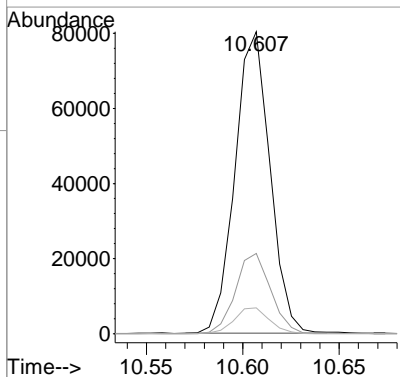
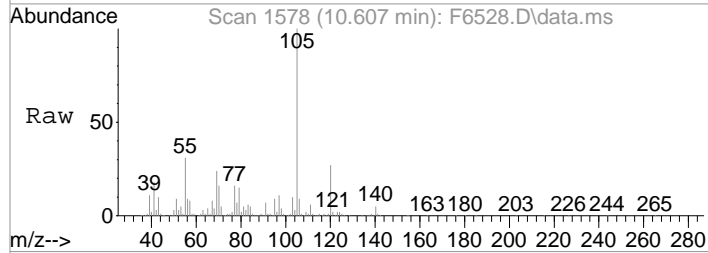
Tgt Ion	Resp	Lower	Upper
106	8978		
106	100		
91	346.8	294.3	334.3#
65	34.9	4.8	44.8





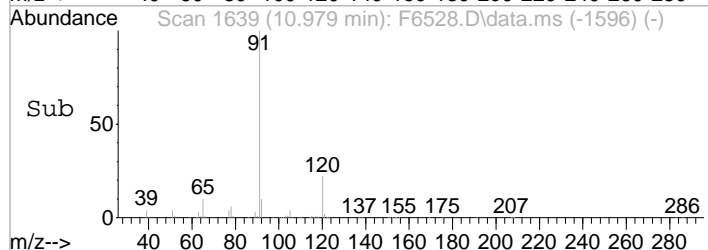
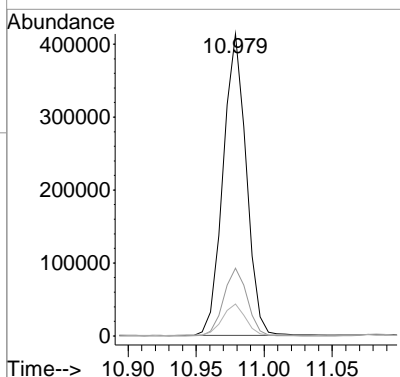
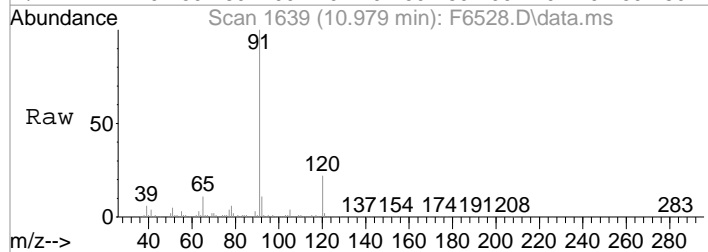
#87
 Isopropylbenzene
 Concen: 8.67 ug/L
 RT: 10.607 min Scan# 1578
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

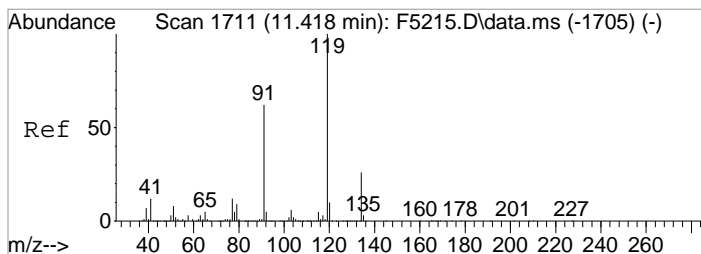
Tgt Ion	Resp	Lower	Upper
105	101374		
120	26.5	6.5	46.5
106	8.5	0.0	28.8



#94
 n-Propylbenzene
 Concen: 39.04 ug/L
 RT: 10.979 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

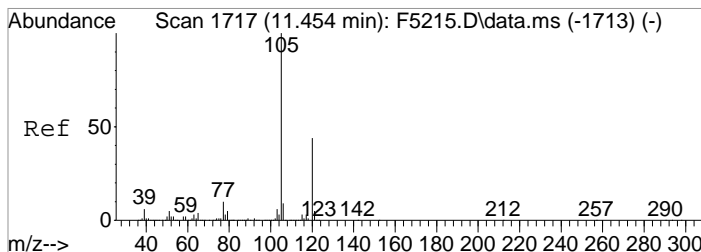
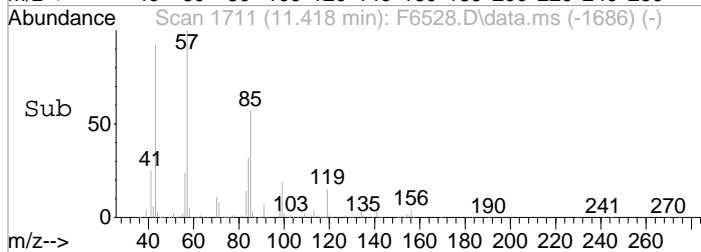
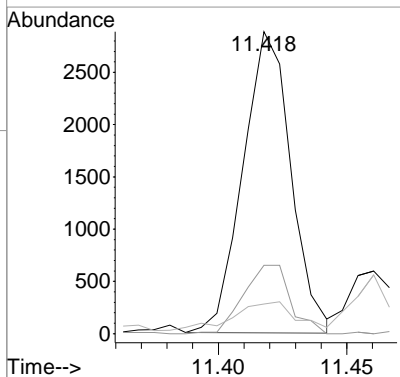
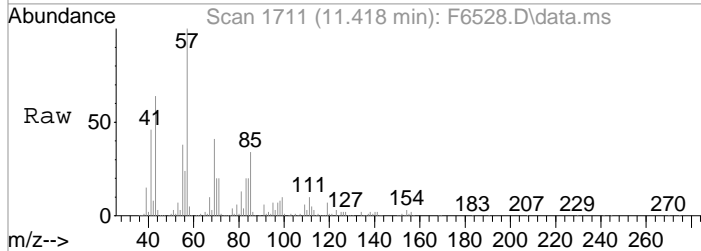
Tgt Ion	Resp	Lower	Upper
91	488650		
120	22.4	3.7	43.7
65	10.6	0.0	29.5





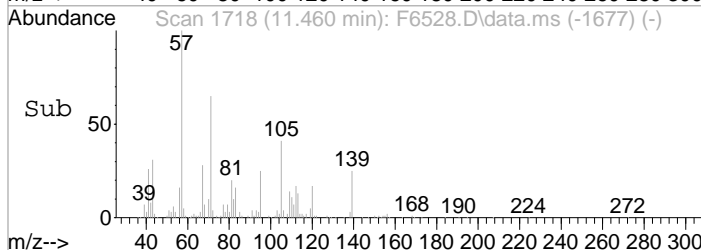
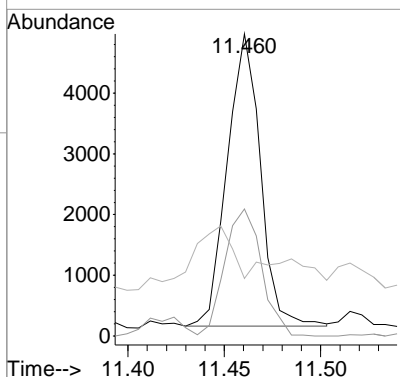
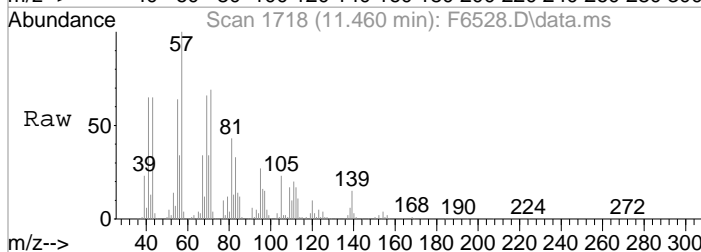
#99
 tert-Butylbenzene
 Concen: 0.48 ug/L
 RT: 11.418 min Scan# 1711
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

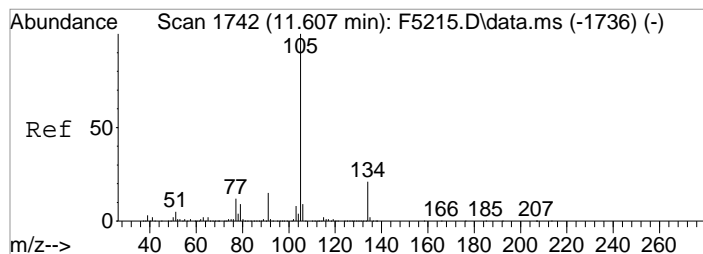
Tgt Ion	Resp	Lower	Upper
119	3736		
134	22.7	6.3	46.3
103	9.8	0.0	26.2



#100
 1,2,4-Trimethylbenzene
 Concen: 0.63 ug/L
 RT: 11.460 min Scan# 1718
 Delta R.T. 0.006 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

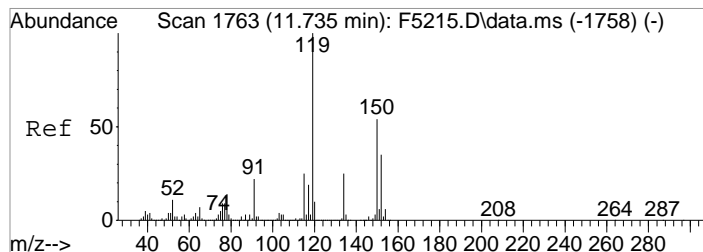
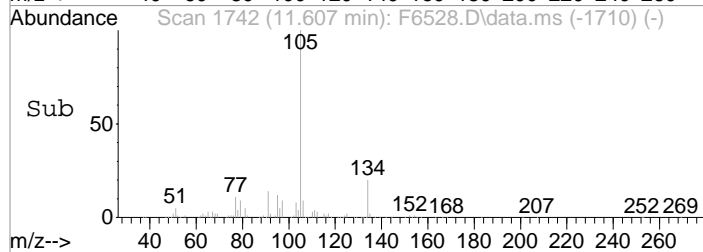
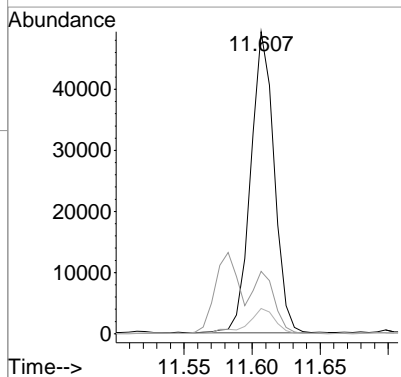
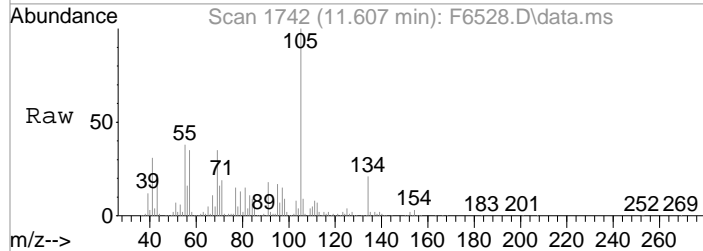
Tgt Ion	Resp	Lower	Upper
105	5766		
120	42.0	26.3	66.3
65	19.0	0.0	24.4





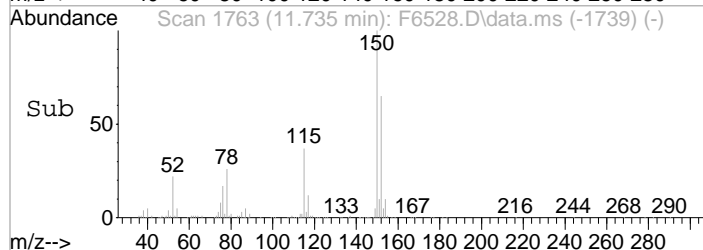
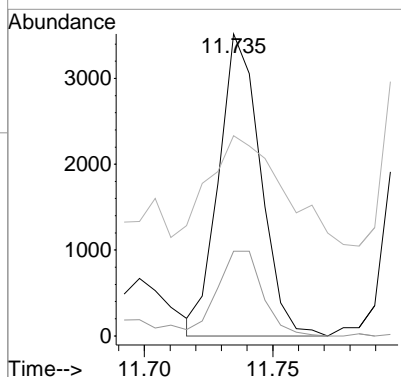
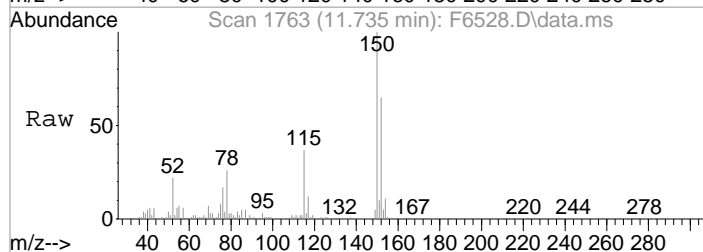
#102
 sec-Butylbenzene
 Concen: 5.34 ug/L
 RT: 11.607 min Scan# 1742
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

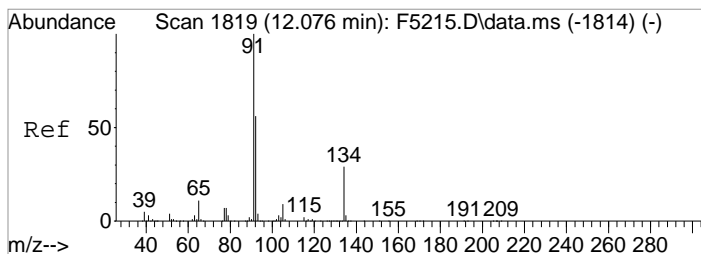
Tgt Ion	Resp	Lower	Upper
105	59319		
134	20.6	0.7	40.7
103	8.3	0.0	27.8



#103
 p-Isopropyltoluene
 Concen: 0.42 ug/L
 RT: 11.735 min Scan# 1763
 Delta R.T. -0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

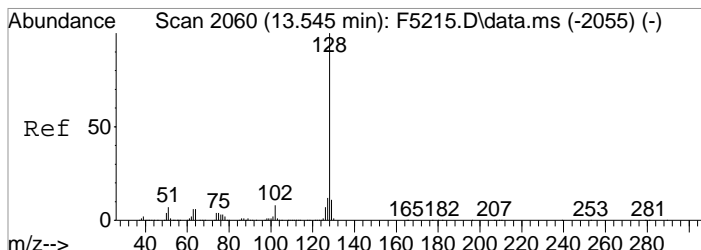
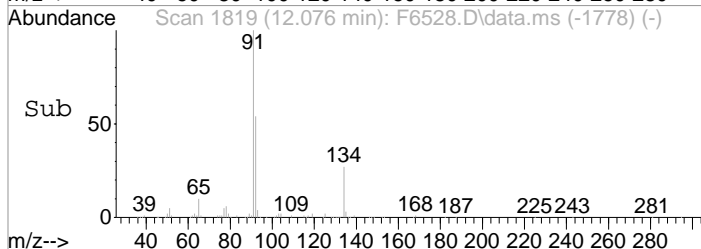
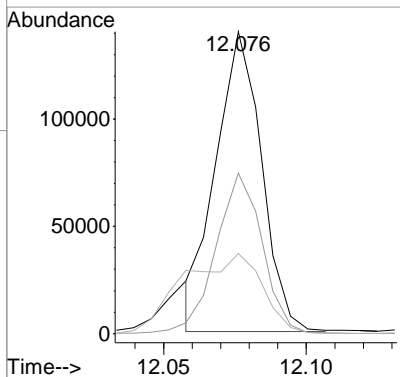
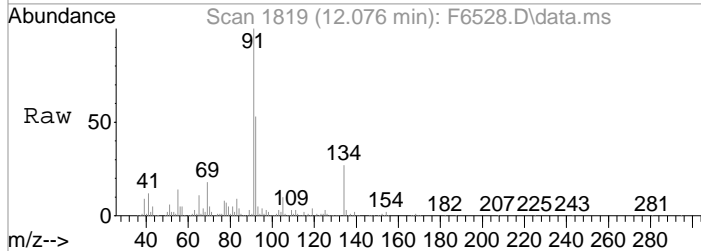
Tgt Ion	Resp	Lower	Upper
119	3971		
134	28.0	5.5	45.5
91	66.3	1.7	41.7#





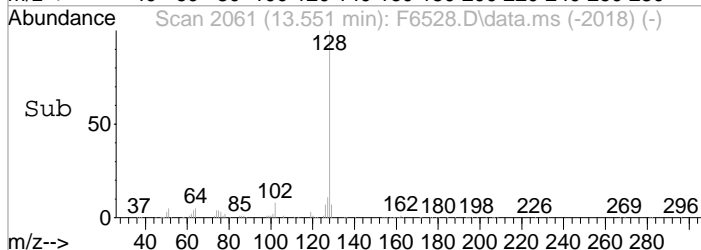
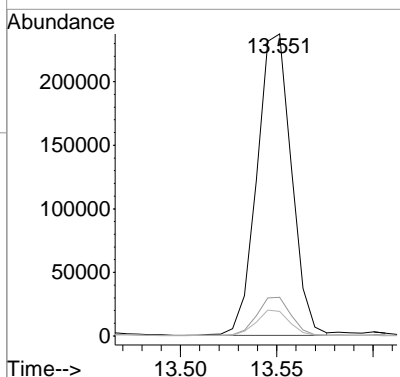
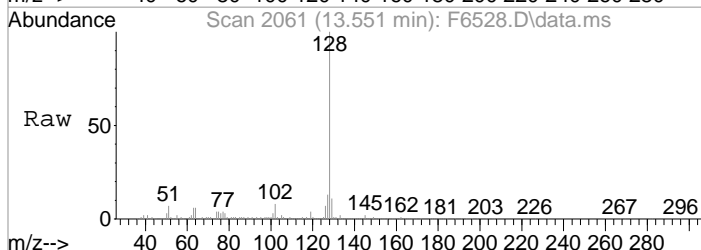
#108
 n-Butylbenzene
 Concen: 18.67 ug/L m
 RT: 12.076 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

Tgt Ion	Resp	Lower	Upper
91	155446		
92	53.1	35.6	75.6
134	26.6	8.6	48.6



#116
 Naphthalen
 Concen: 25.00 ug/L
 RT: 13.551 min Scan# 2061
 Delta R.T. 0.006 min
 Lab File: F6528.D
 Acq: 8 May 2019 10:21 pm

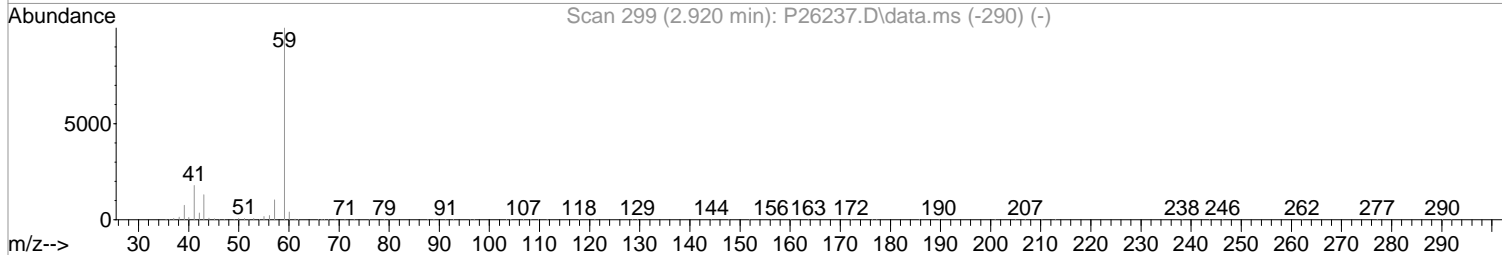
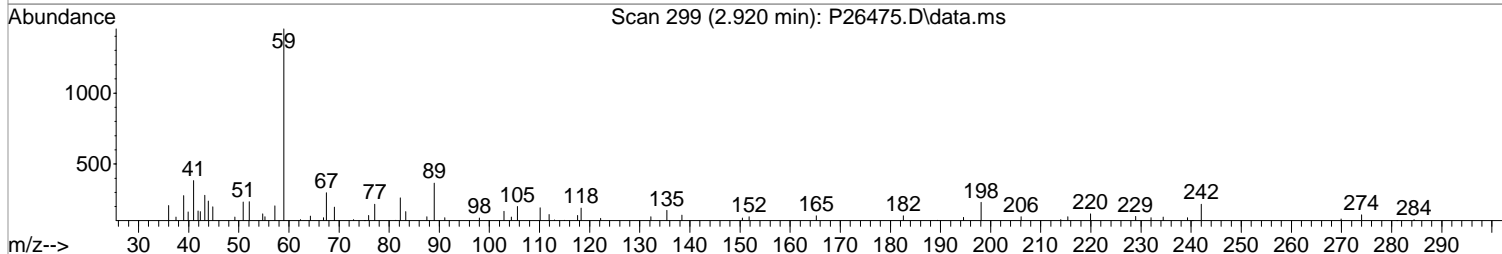
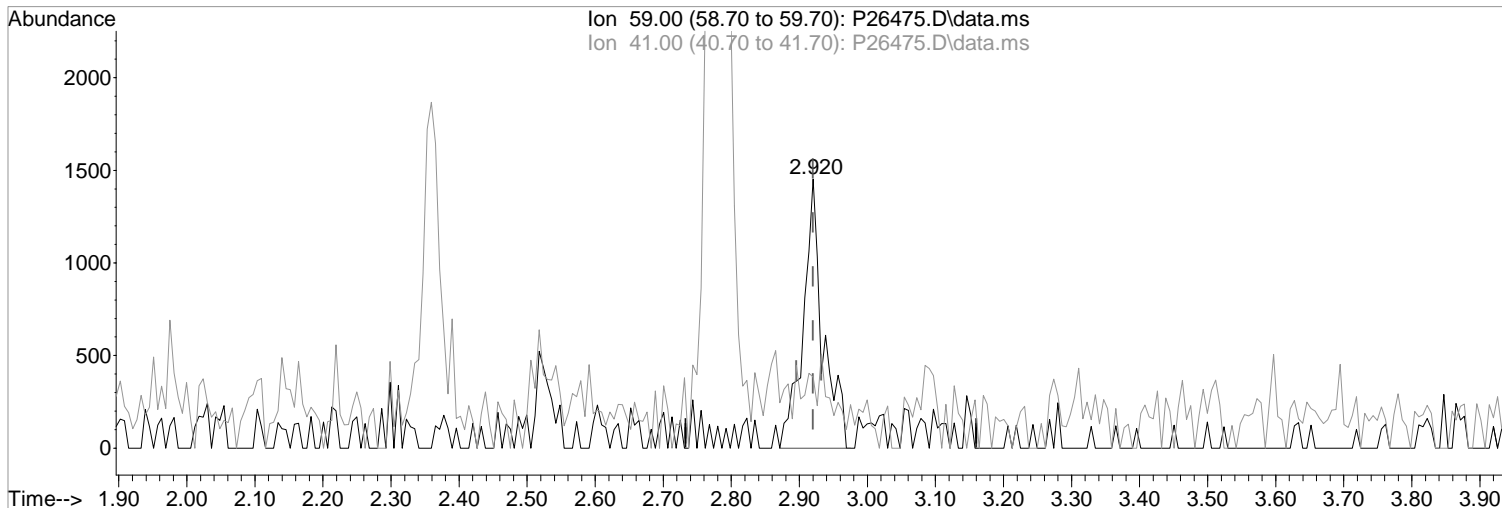
Tgt Ion	Resp	Lower	Upper
128	294712		
127	12.8	0.0	32.4
102	8.1	0.0	28.1



Data Path : I:\ACQUDATA\msvoal2\Data\050719\
Data File : P26475.D
Acq On : 7 May 2019 4:09 pm
Operator : K.Ruest
Sample : R1903954-012|1.0
Misc : DAY 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 16:26:41 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(23) TBA

2.920min (+0.000) 4.44 ppb m

response 2963

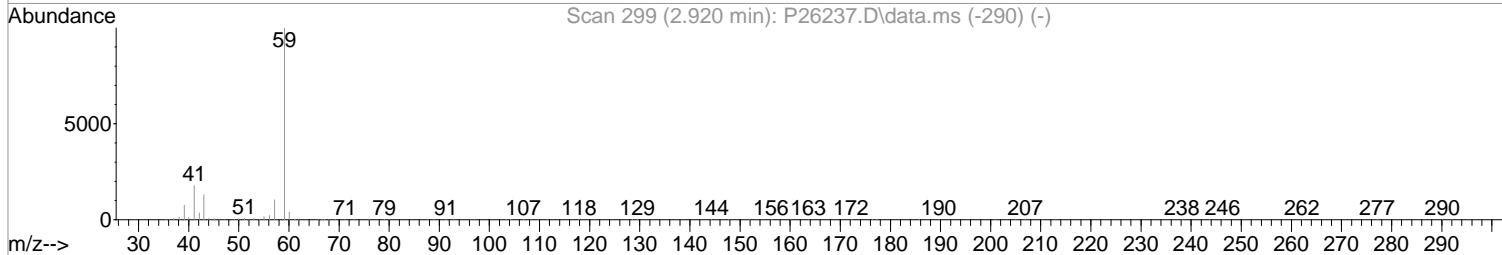
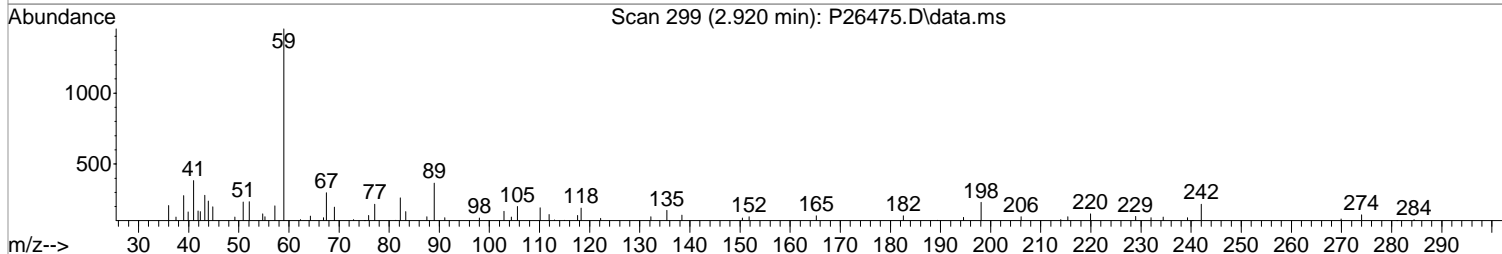
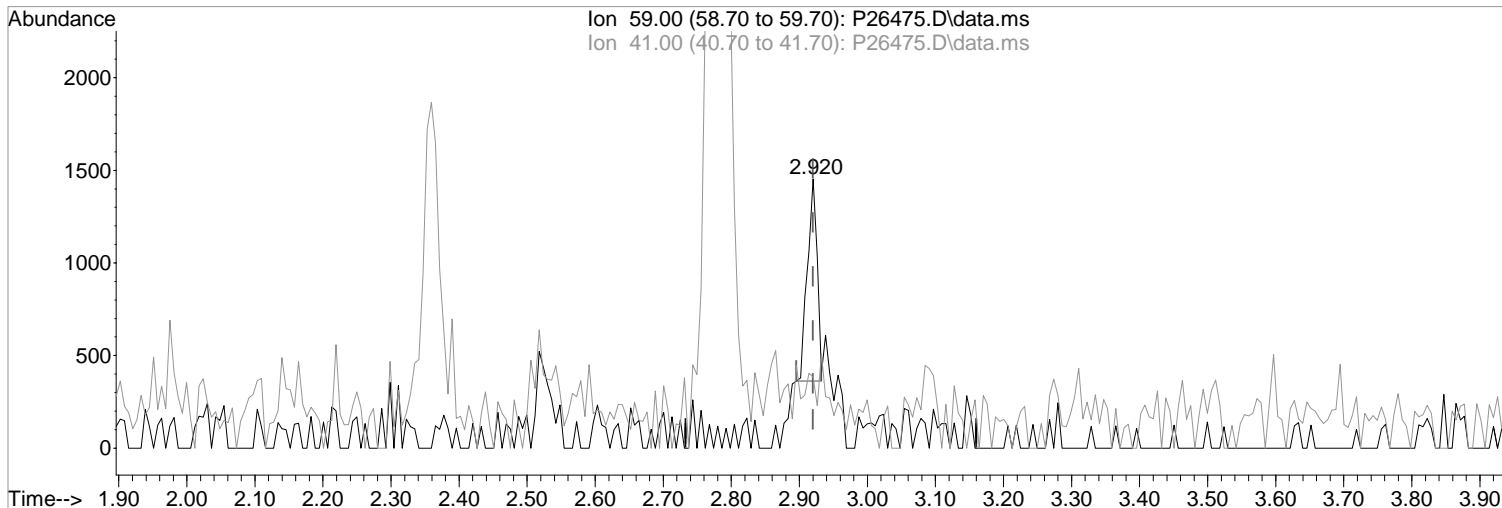
Ion	Exp%	Act%
59.00	100	100
41.00	18.20	26.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/08/19

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
Data File : P26475.D
Acq On : 7 May 2019 4:09 pm
Operator : K.Ruest
Sample : R1903954-012|1.0
Misc : DAY 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 16:26:41 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(23) TBA
2.920min (+0.000) 1.63 ppb
response 1085

Manual Integration:

Before

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	26.43
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26475.D
 Acq On : 7 May 2019 4:09 pm
 Operator : K.Ruest
 Sample : R1903954-012|1.0 Inst : MSVOA-12
 Misc : DAY 8260 T4
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 11:26:17 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

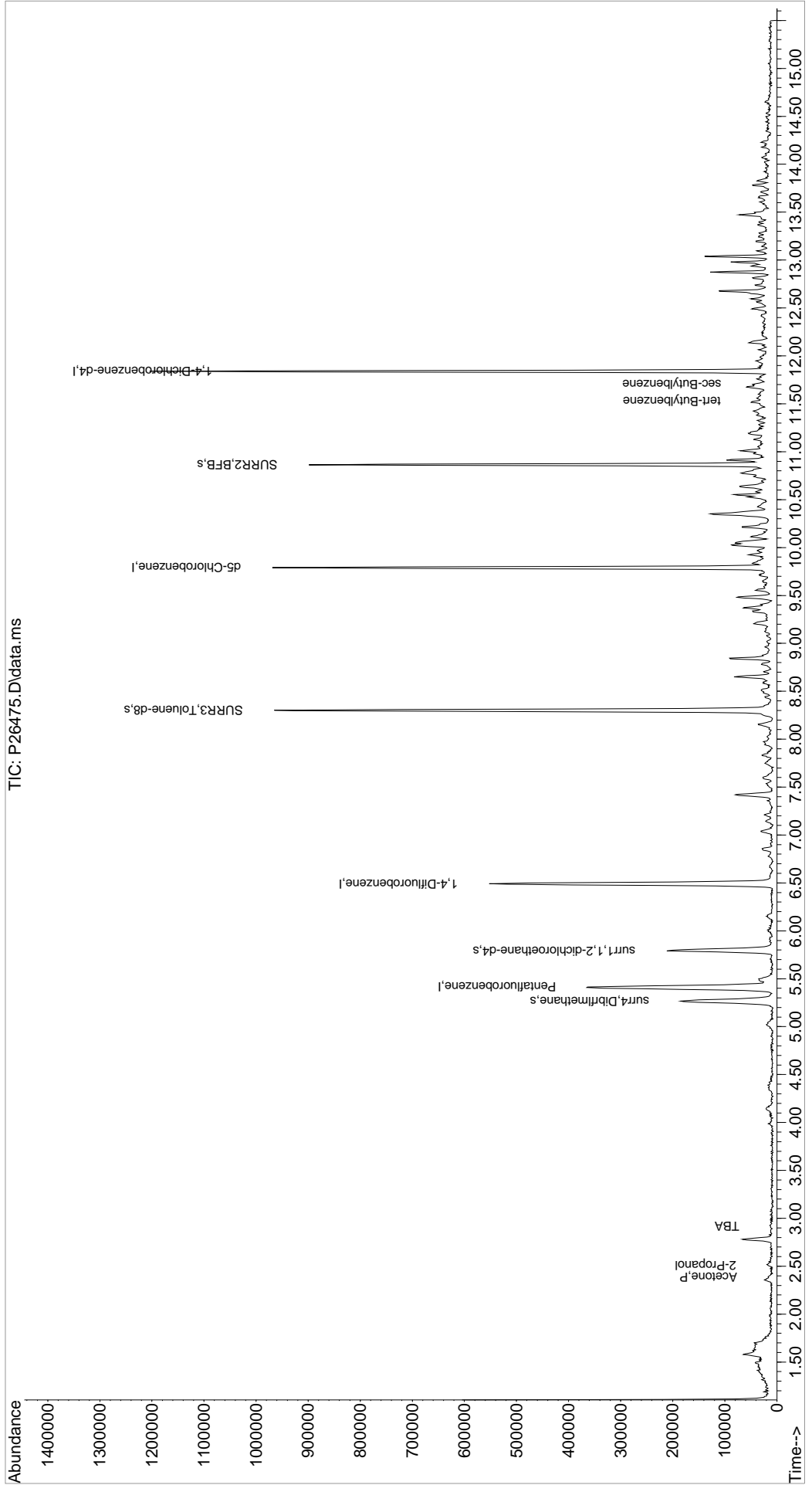
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	351039	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	511659	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	457722	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	240919	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	144606	49.16	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	98.32%		
48) surr1,1,2-dichloroetha...	5.792	65	173606	54.09	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	108.18%		
65) SURR3,Toluene-d8	8.303	98	616823	50.51	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	101.02%		
70) SURR2,BFB	10.864	95	227856	47.74	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	95.48%		
Target Compounds						
15) Acetone	2.384	43	6041	2.77	ppb	94
16) 2-Propanol	2.512	45	10165	27.24	ppb	81
20) Allyl Chloride	2.676	76	226	Below Cal	#	1
23) TBA	2.920	59	2963m	4.44	ppb	
100) tert-Butylbenzene	11.522	119	8518	0.73	ppb	82
103) sec-Butylbenzene	11.705	105	5424	0.33	ppb	98

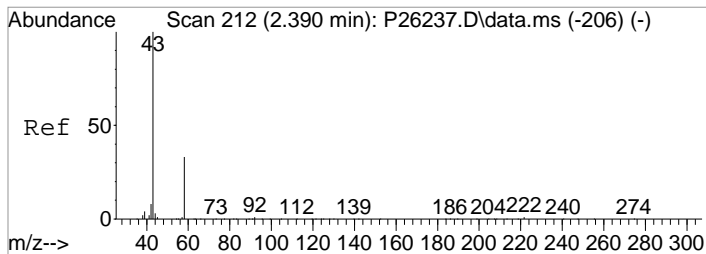
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\050719\
Data File : P26475.D
Acq On : 7 May 2019 4:09 pm
Operator : K.Ruest
Sample : R1903954-012|1.0
Misc : DAY 8260 T4
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

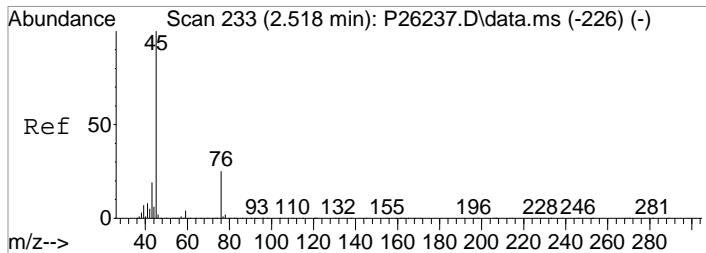
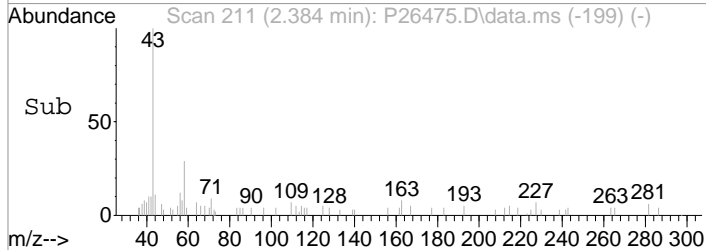
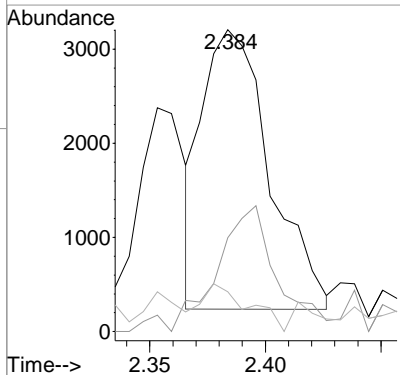
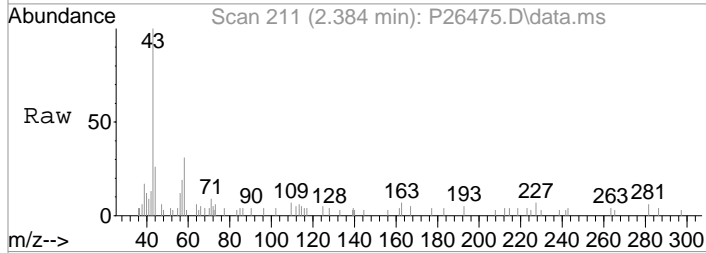
Quant Time: May 08 11:26:17 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





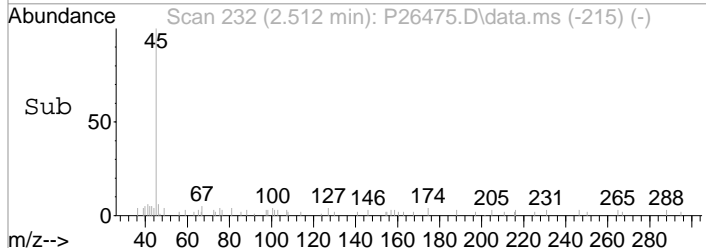
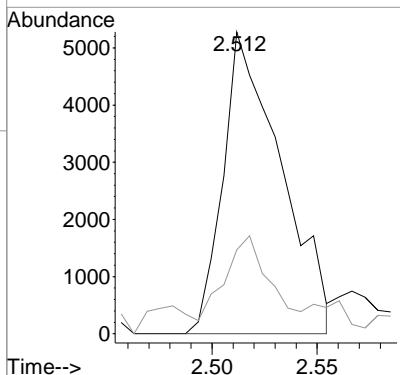
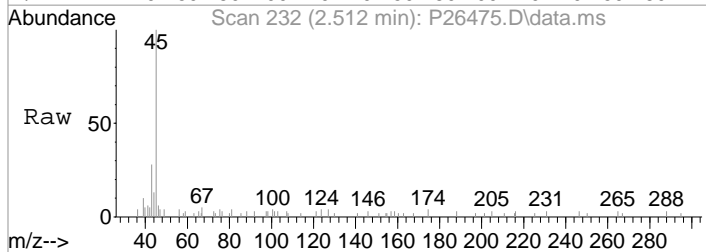
#15
 Acetone
 Concen: 2.77 ppb
 RT: 2.384 min Scan# 211
 Delta R.T. 0.001 min
 Lab File: P26475.D
 Acq: 7 May 2019 4:09 pm

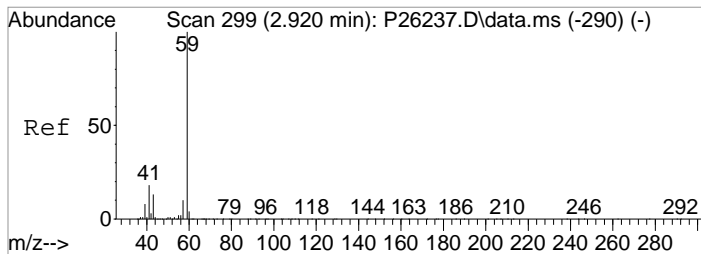
Tgt Ion	Resp	Lower	Upper
43	100		
58	31.0	13.1	53.1
42	13.2	0.0	28.3



#16
 2-Propanol
 Concen: 27.24 ppb
 RT: 2.512 min Scan# 232
 Delta R.T. -0.006 min
 Lab File: P26475.D
 Acq: 7 May 2019 4:09 pm

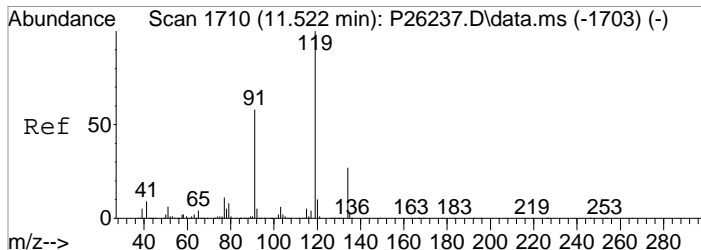
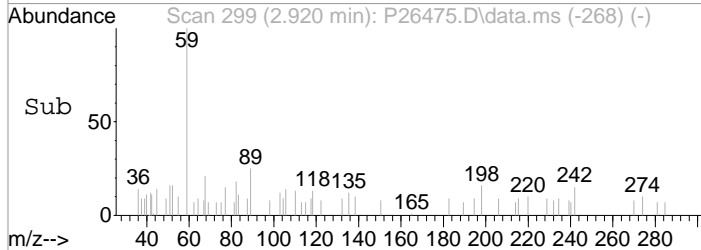
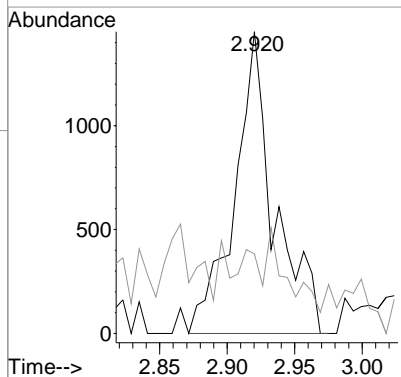
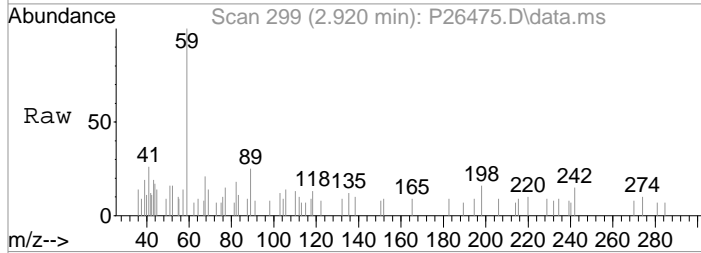
Tgt Ion	Resp	Lower	Upper
45	100		
43	27.8	0.0	39.1





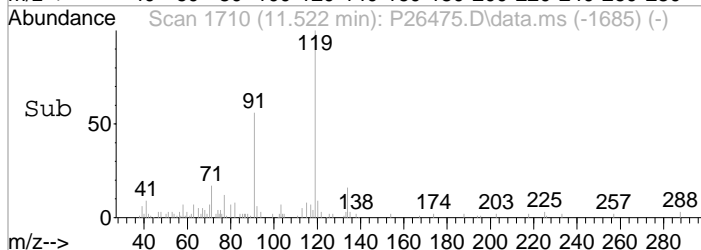
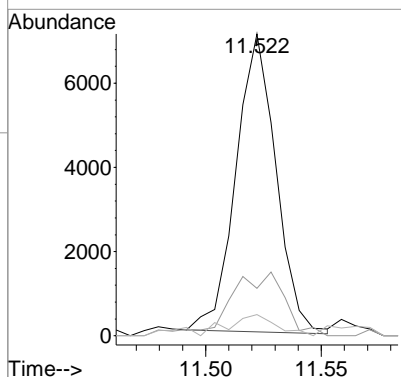
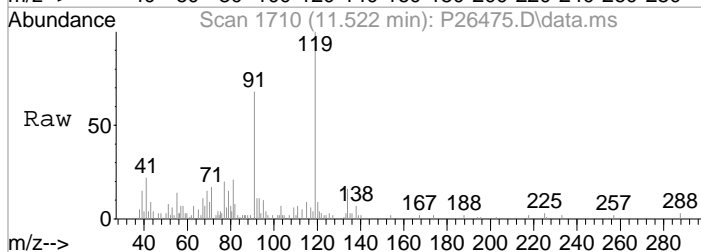
#23
 TBA
 Concen: 4.44 ppb m
 RT: 2.920 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: P26475.D
 Acq: 7 May 2019 4:09 pm

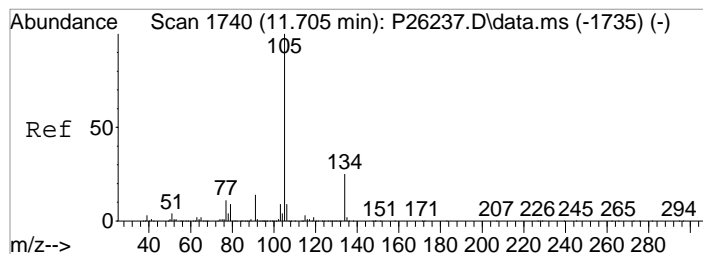
Tgt Ion	Resp	Lower	Upper
59	100		
41	26.4	0.0	38.2



#100
 tert-Butylbenzene
 Concen: 0.73 ppb
 RT: 11.522 min Scan# 1710
 Delta R.T. 0.000 min
 Lab File: P26475.D
 Acq: 7 May 2019 4:09 pm

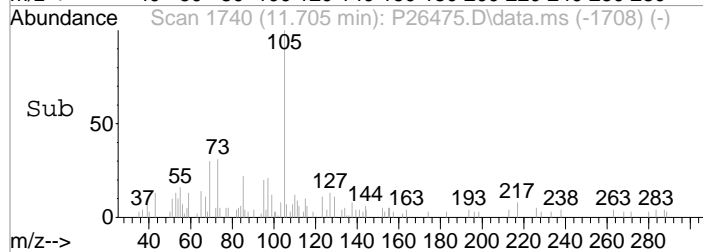
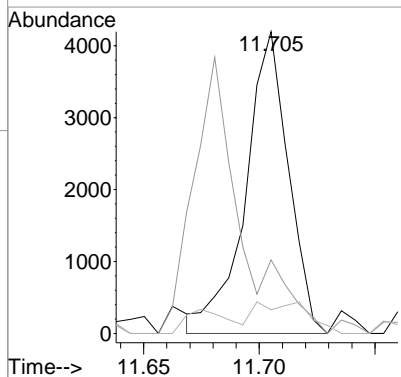
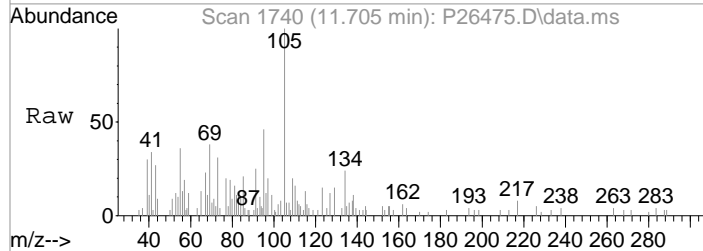
Tgt Ion	Resp	Lower	Upper
119	100		
134	15.8	6.9	46.9
103	7.0	0.0	26.4





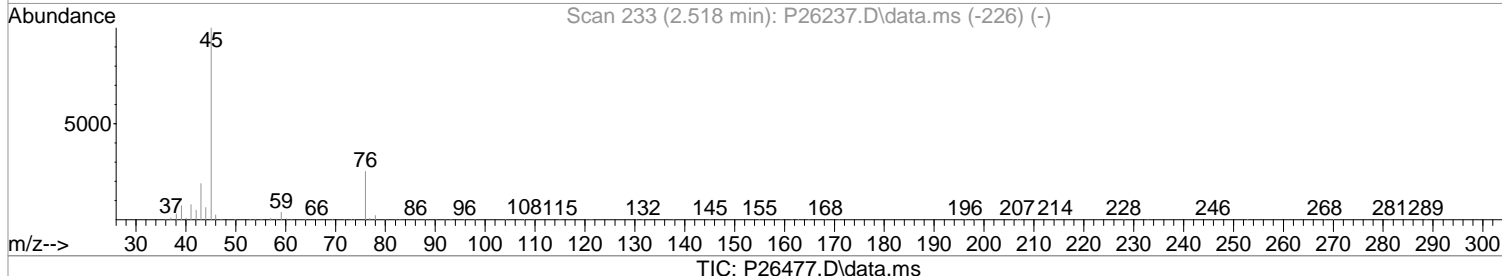
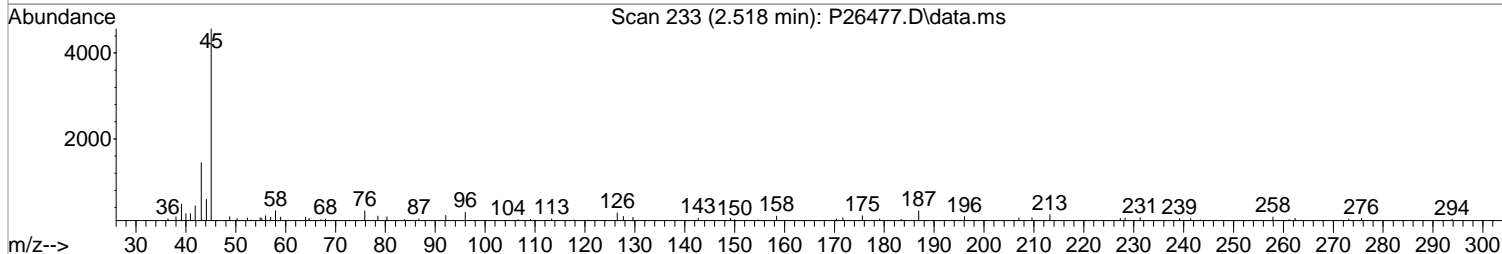
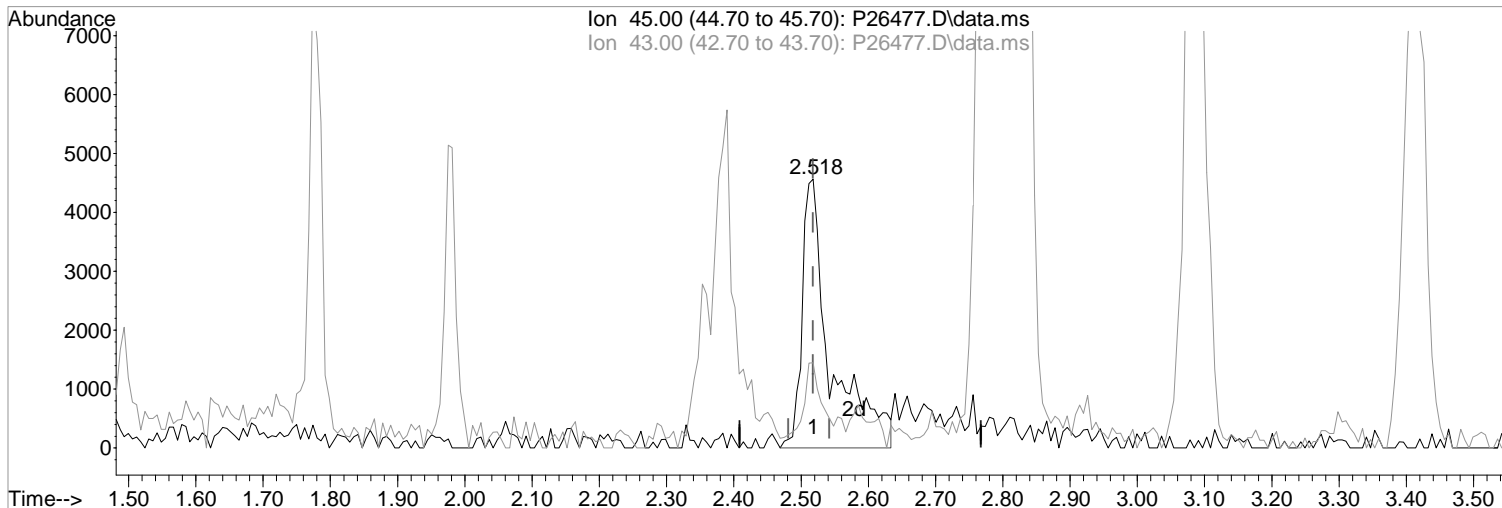
#103
sec-Butylbenzene
Concen: 0.33 ppb
RT: 11.705 min Scan# 1740
Delta R.T. 0.000 min
Lab File: P26475.D
Acq: 7 May 2019 4:09 pm

Tgt Ion	Resp	Lower	Upper
105	5424		
105	100		
134	24.4	5.2	45.2
103	7.9	0.0	28.8



Data Path : I:\ACQUDATA\msvoal2\Data\050719\
Data File : P26477.D
Acq On : 7 May 2019 4:53 pm
Operator : K.Ruest
Sample : R1903954-013|2.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 17:09:01 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (-0.000) 35.03 ppb m
response 13480

Manual Integration:

After

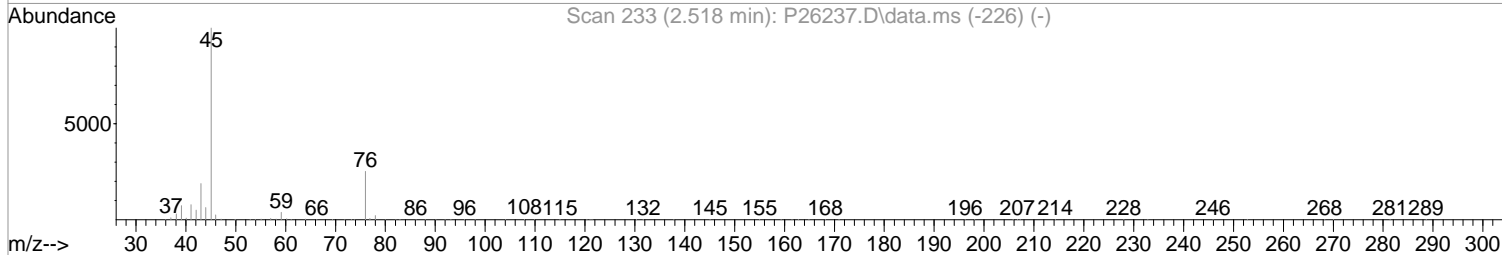
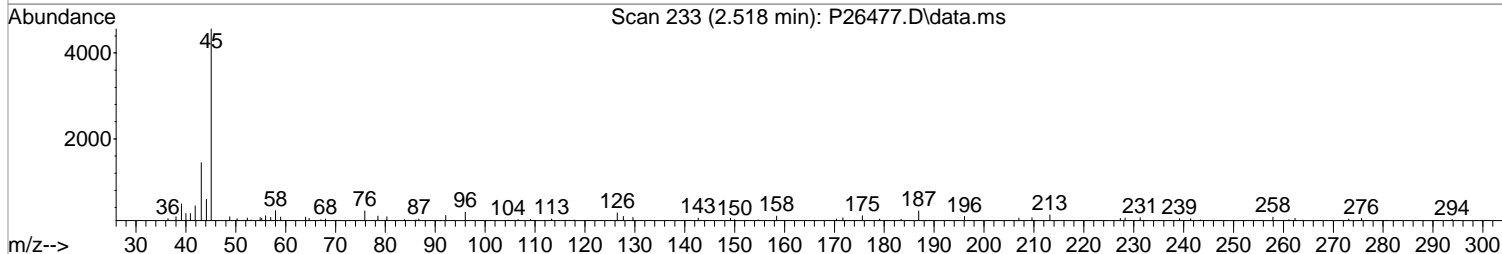
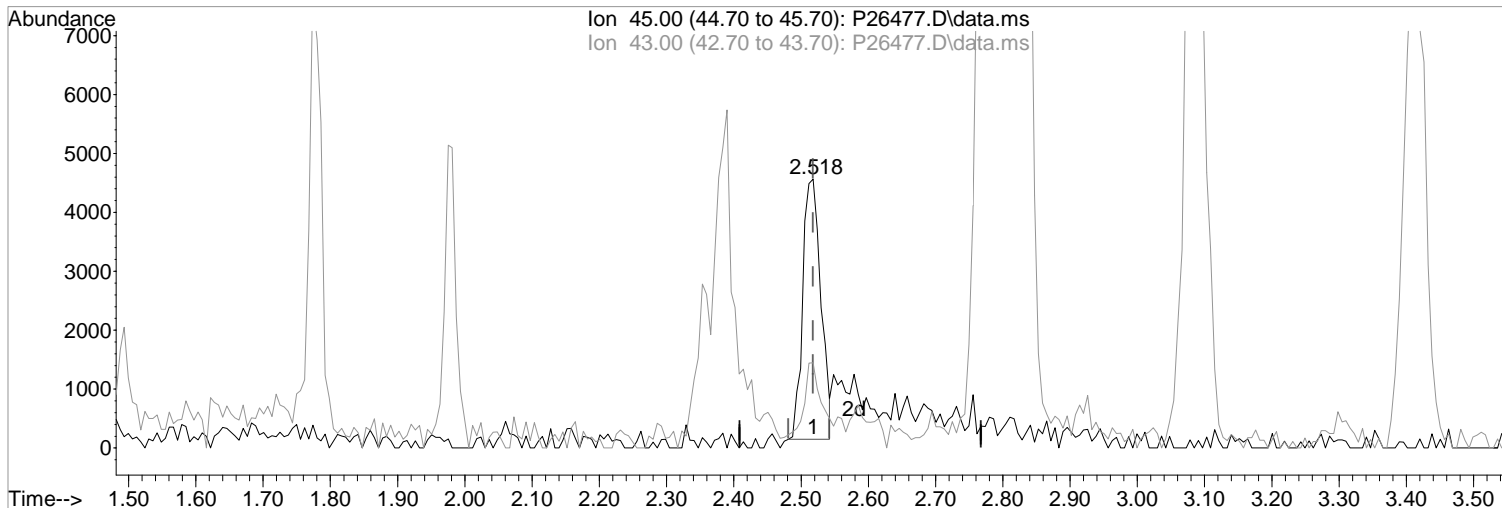
Poor integration.

05/08/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	31.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
Data File : P26477.D
Acq On : 7 May 2019 4:53 pm
Operator : K.Ruest
Sample : R1903954-013|2.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 17:09:01 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26477.D\data.ms

(16) 2-Propanol
2.518min (-0.000) 21.49 ppb
response 8269

Manual Integration:
Before

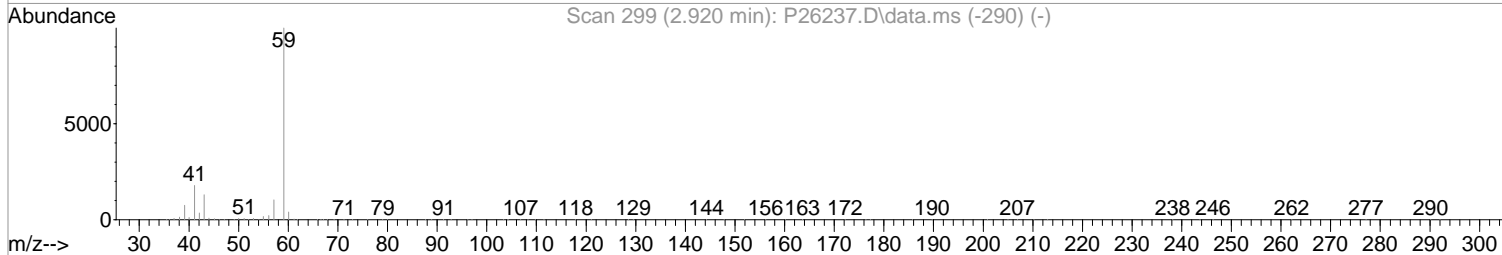
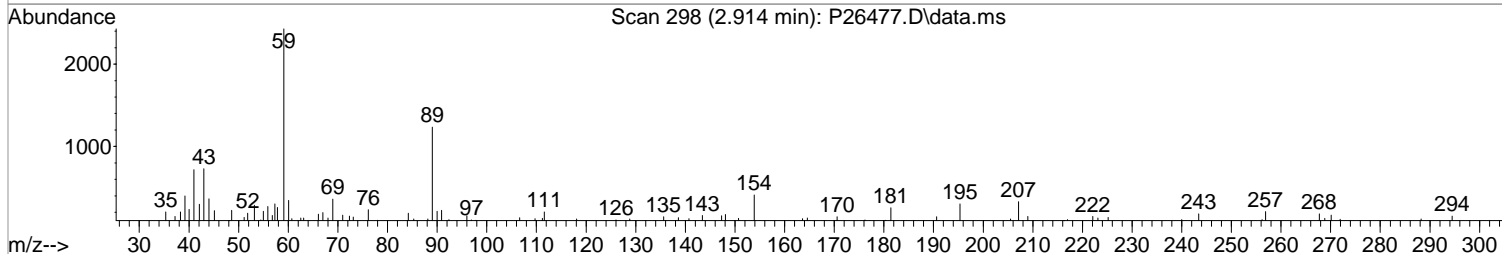
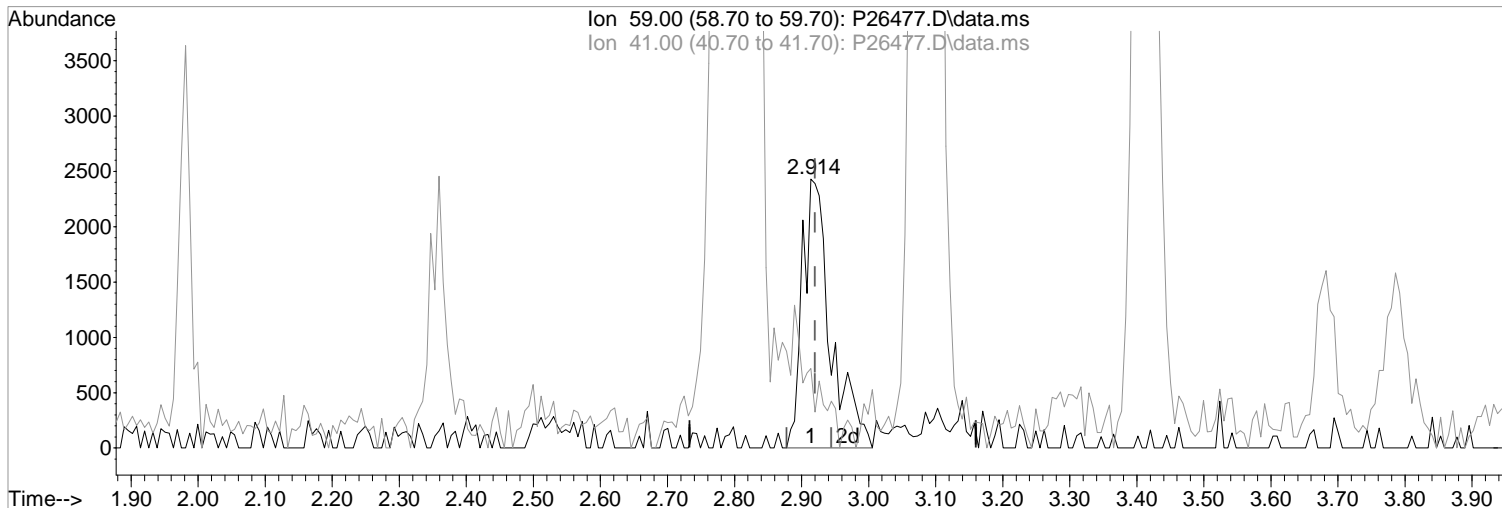
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	31.65
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26477.D
Acq On : 7 May 2019 4:53 pm
Operator : K.Ruest
Sample : R1903954-013|2.0
Misc : DAY 8260 T4
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 17:09:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26477.D\data.ms

(23) TBA

2.914min (-0.006) 10.27 ppb m

response 7066

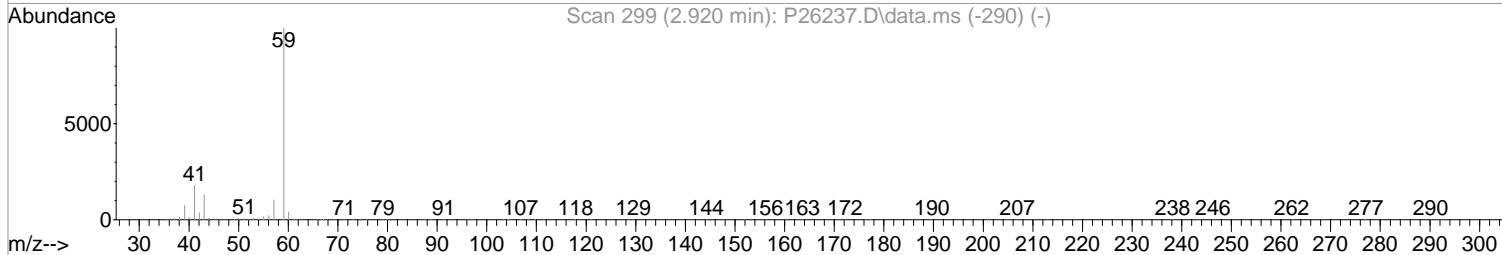
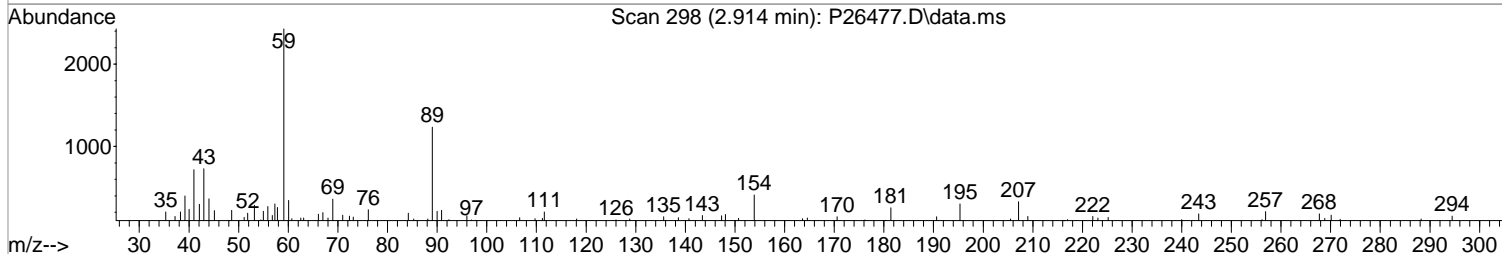
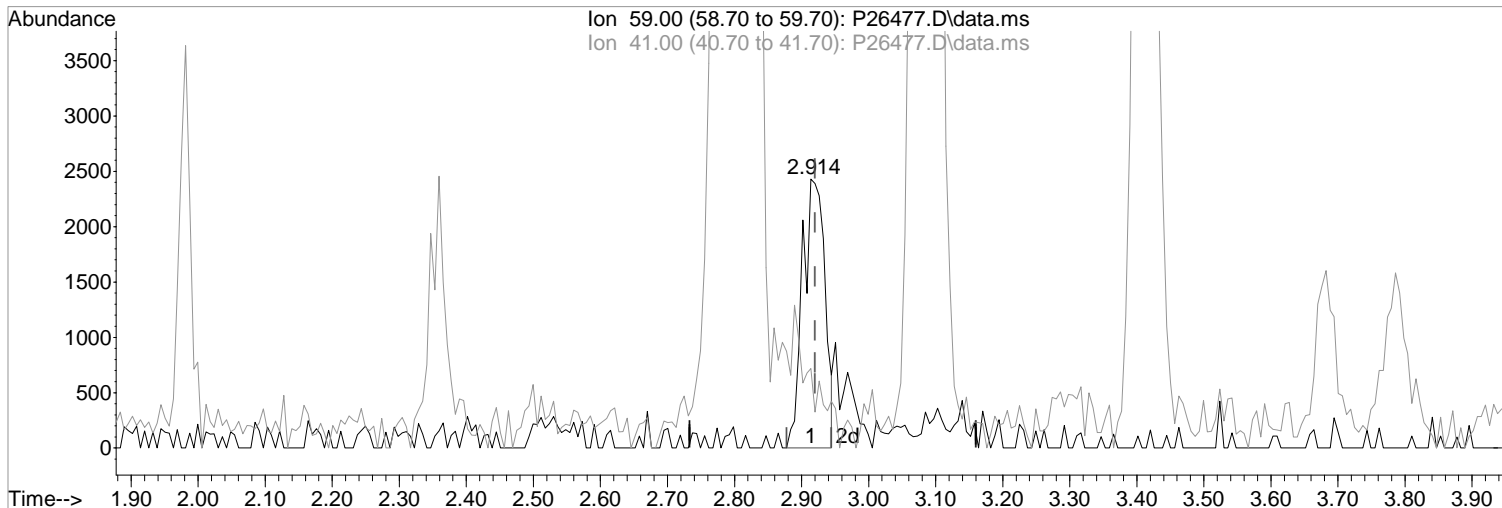
Ion	Exp%	Act%
59.00	100	100
41.00	18.20	29.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26477.D
Acq On : 7 May 2019 4:53 pm
Operator : K.Ruest
Sample : R1903954-013|2.0
Misc : DAY 8260 T4
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 17:09:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26477.D\data.ms

(23) TBA

2.914min (-0.006) 8.17 ppb

response 5619

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	29.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/08/19

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26477.D
 Acq On : 7 May 2019 4:53 pm
 Operator : K.Ruest
 Sample : R1903954-013|2.0 Inst : MSVOA-12
 Misc : DAY 8260 T4
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 08 12:13:45 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

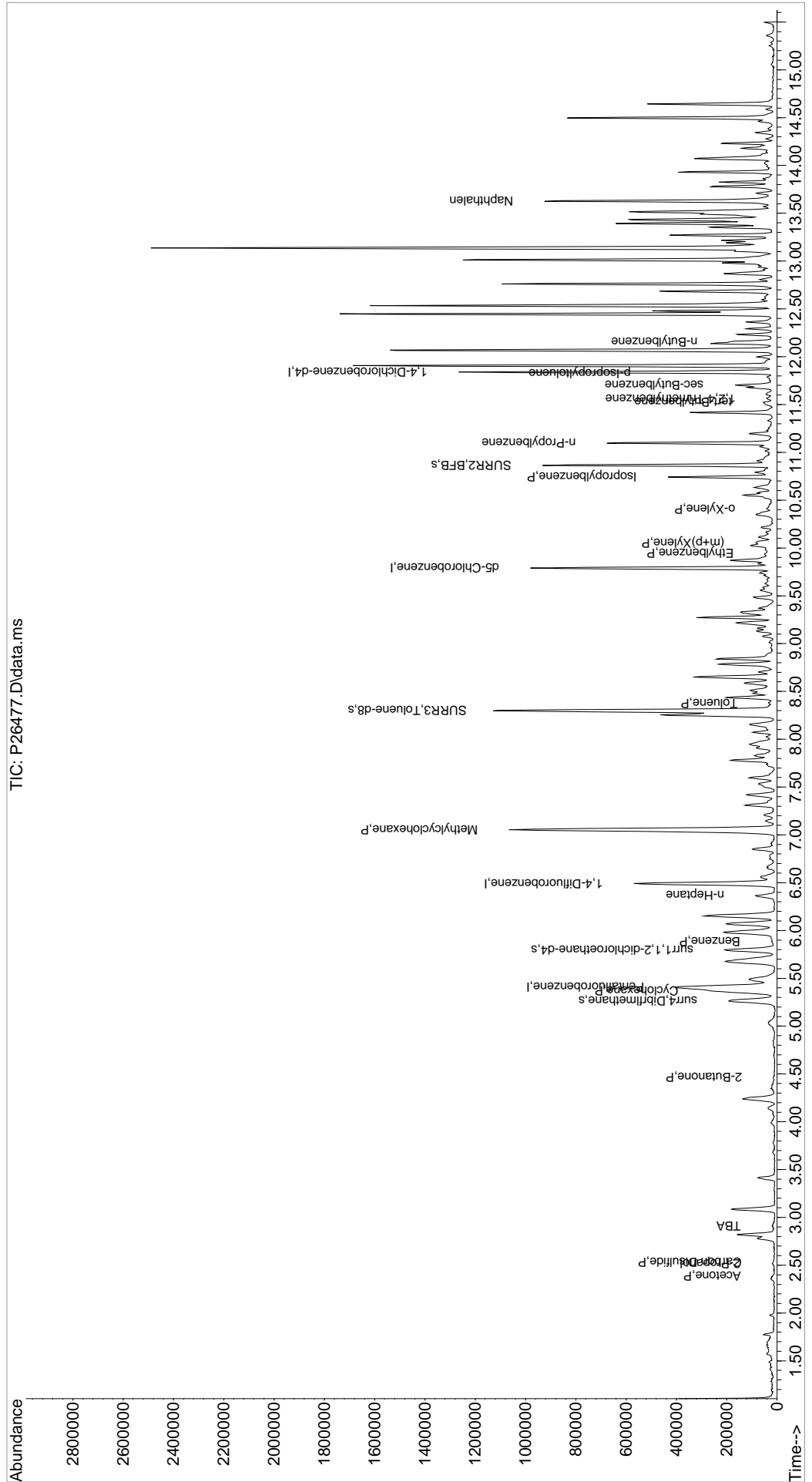
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.407	168	361908	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	526723	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	471994	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	257860	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	147697	48.77	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	97.54%	
48) surr1,1,2-dichloroetha...	5.798	65	172804	52.30	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	104.60%	
65) SURR3,Toluene-d8	8.303	98	640919	50.98	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.96%	
70) SURR2,BFB	10.864	95	235298	47.89	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	95.78%	
Target Compounds						
15) Acetone	2.390	43	10504	5.64	ppb	Qvalue 77
16) 2-Propanol	2.518	45	13480m	35.03	ppb	
18) Carbon Disulfide	2.530	76	1464	0.20	ppb	75
20) Allyl Chloride	2.670	76	291	Below Cal	#	56
23) TBA	2.914	59	7066m	10.27	ppb	
35) 2-Butanone	4.462	43	2764	1.39	ppb	69
44) Cyclohexane	5.371	41	80132	30.30	ppb	95
49) Benzene	5.883	78	7996	0.59	ppb	77
52) n-Heptane	6.365	43	30166	8.31	ppb	95
55) Methylcyclohexane	7.053	55	358391	90.47	ppb	91
66) Toluene	8.376	91	5827	0.38	ppb	93
82) Ethylbenzene	9.943	106	3910	0.70	ppb	# 71
83) (m+p)Xylene	10.053	106	3846	0.55	ppb	# 40
84) o-Xylene	10.406	106	2564	0.36	ppb	# 63
89) Isopropylbenzene	10.742	105	198943	12.27	ppb	99
95) n-Propylbenzene	11.095	91	402205	22.87	ppb	98
100) tert-Butylbenzene	11.522	119	11832	0.95	ppb	91
101) 1,2,4-Trimethylbenzene	11.559	105	9828	0.73	ppb	87
103) sec-Butylbenzene	11.705	105	58031	3.33	ppb	94
104) p-Isopropyltoluene	11.827	119	11964	0.79	ppb	85
109) n-Butylbenzene	12.156	91	83305	6.61	ppb	93
117) Naphthalen	13.625	128	586016	27.90	ppb	99

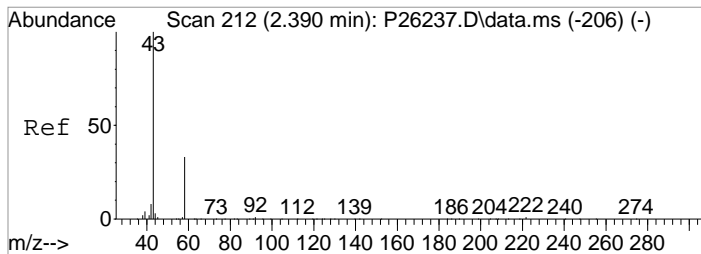
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\050719\
 Data File : P26477.D
 Acq On : 7 May 2019 4:53 pm
 Operator : K.Ruest
 Sample : R1903954-013|2.0
 Misc : DAY 8260 T4
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA-12

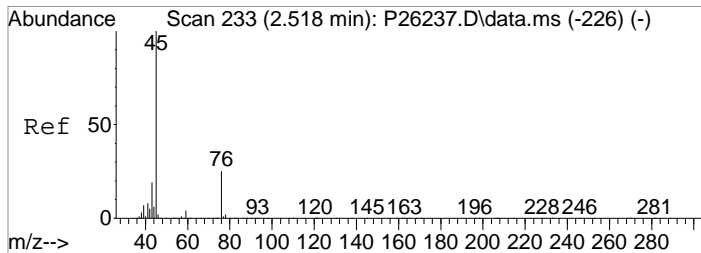
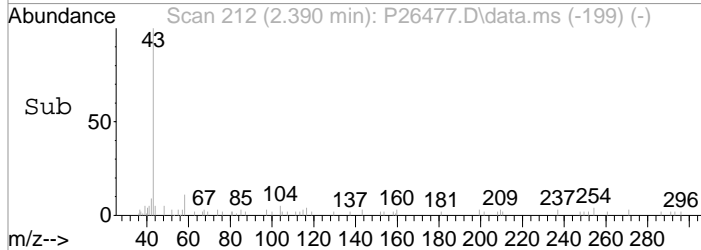
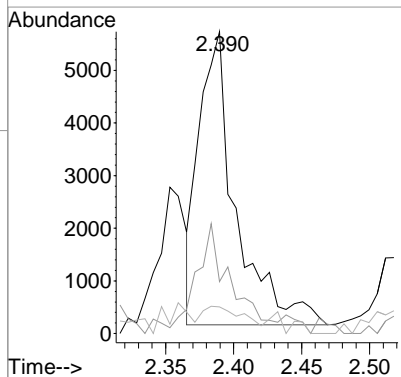
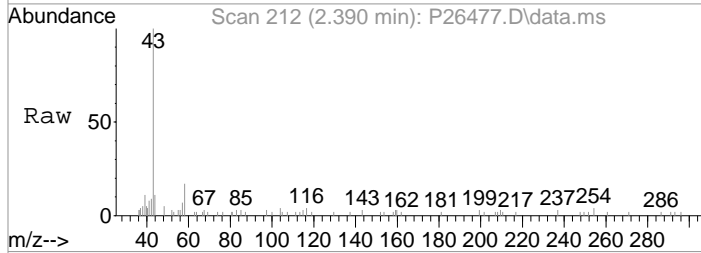
Quant Time: May 08 12:13:45 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration





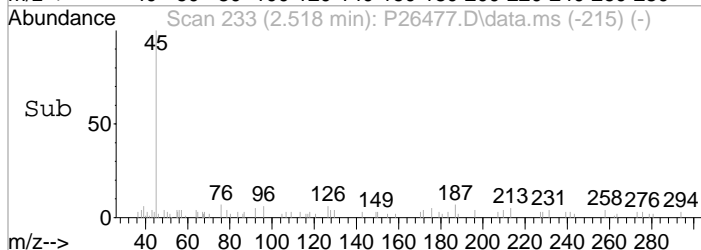
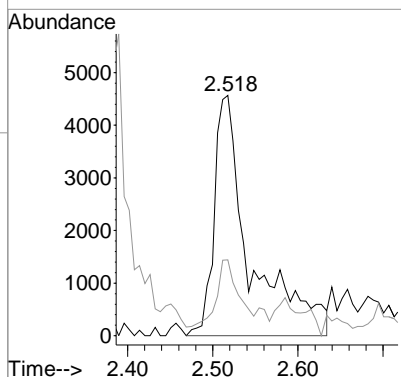
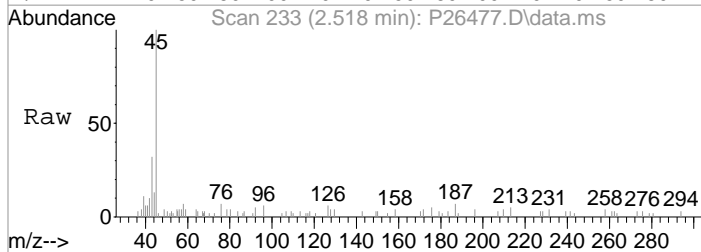
#15
Acetone
Concen: 5.64 ppb
RT: 2.390 min Scan# 212
Delta R.T. 0.007 min
Lab File: P26477.D
Acq: 7 May 2019 4:53 pm

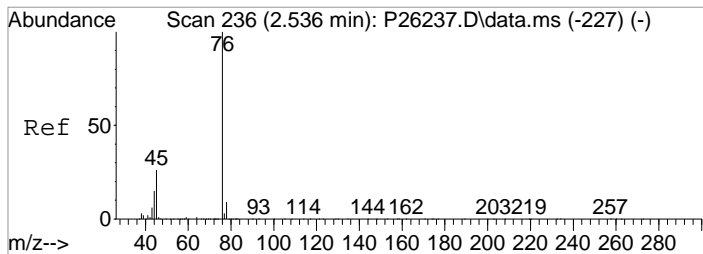
Tgt Ion	Resp	Lower	Upper
43	10504		
58	17.2	13.1	53.1
42	8.8	0.0	28.3



#16
2-Propanol
Concen: 35.03 ppb m
RT: 2.518 min Scan# 233
Delta R.T. -0.000 min
Lab File: P26477.D
Acq: 7 May 2019 4:53 pm

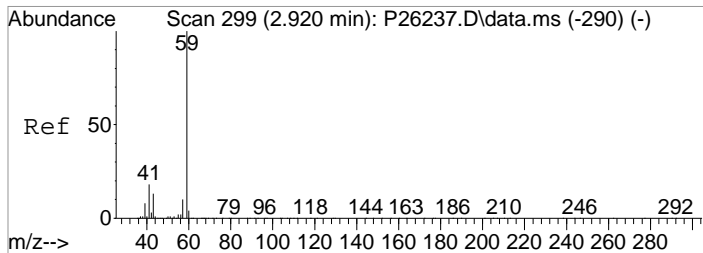
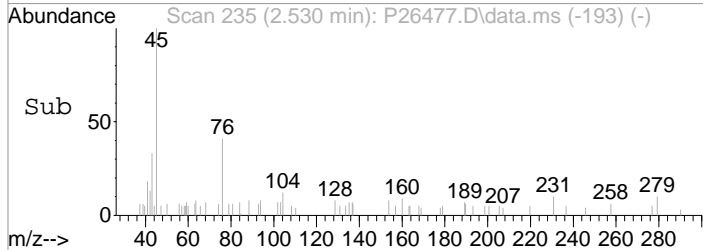
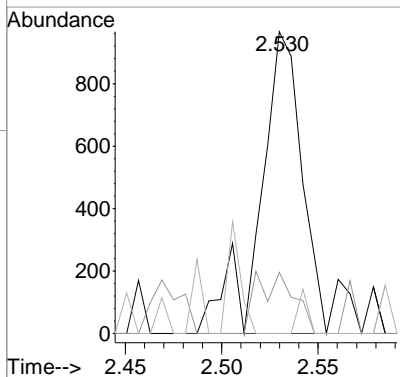
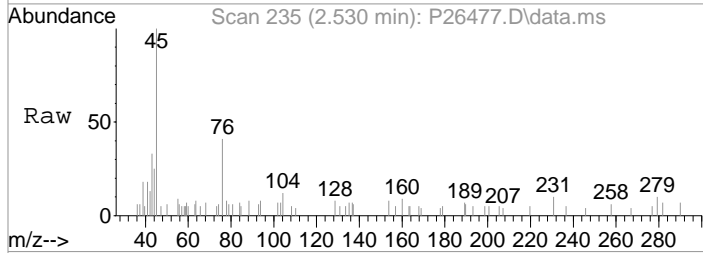
Tgt Ion	Resp	Lower	Upper
45	13480		
43	31.6	0.0	39.1





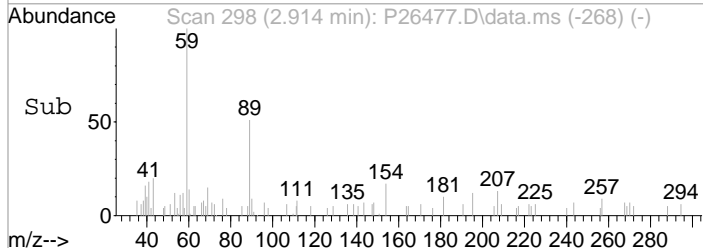
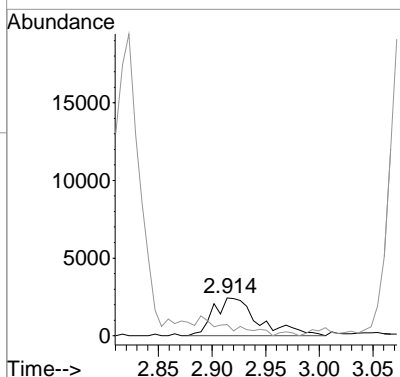
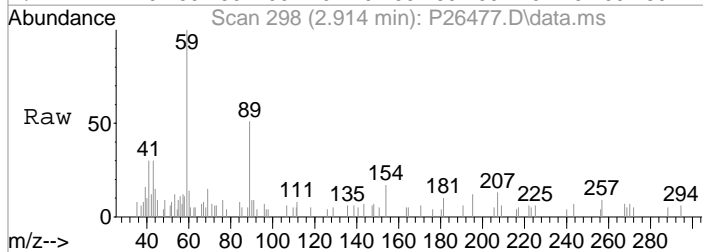
#18
Carbon Disulfide
Concen: 0.20 ppb
RT: 2.530 min Scan# 235
Delta R.T. -0.000 min
Lab File: P26477.D
Acq: 7 May 2019 4:53 pm

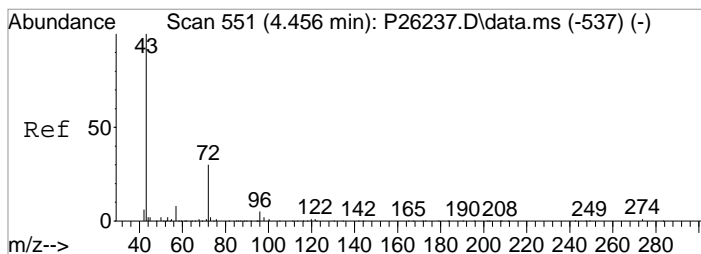
Tgt Ion	Resp	Lower	Upper
76	1464		
76	100		
78	20.3	0.0	29.3
77	0.0	0.0	22.9



#23
TBA
Concen: 10.27 ppb m
RT: 2.914 min Scan# 298
Delta R.T. -0.006 min
Lab File: P26477.D
Acq: 7 May 2019 4:53 pm

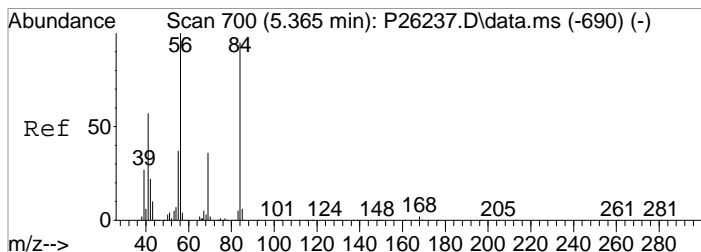
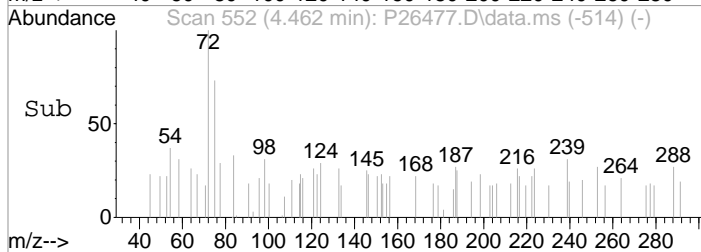
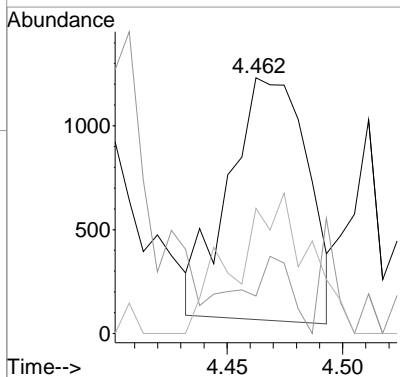
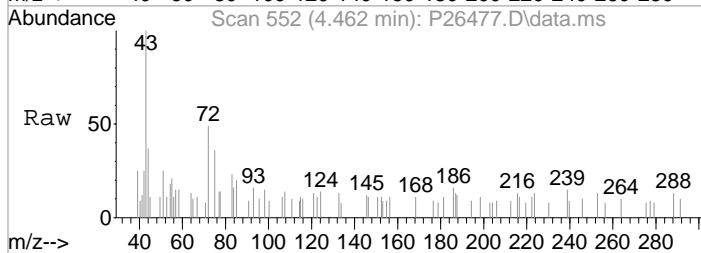
Tgt Ion	Resp	Lower	Upper
59	7066		
59	100		
41	29.5	0.0	38.2





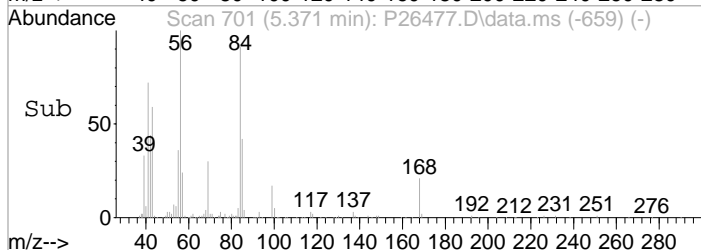
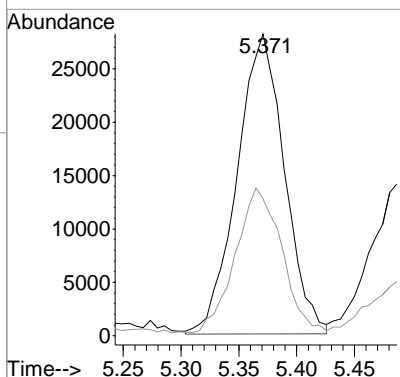
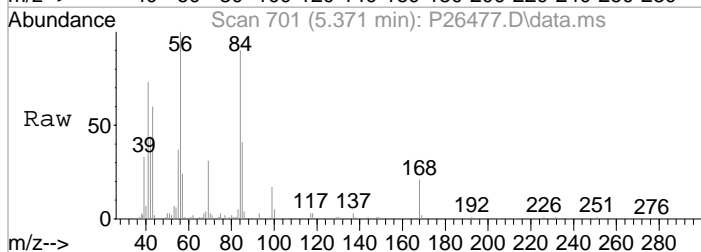
#35
 2-Butanone
 Concen: 1.39 ppb
 RT: 4.462 min Scan# 552
 Delta R.T. 0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

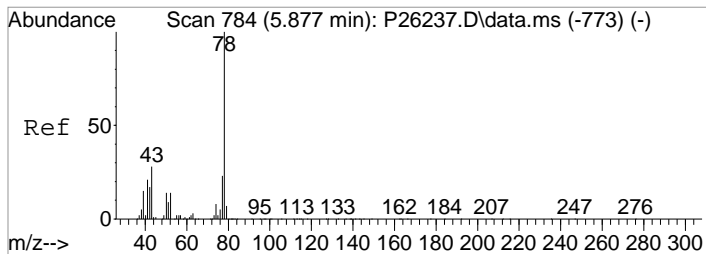
Tgt Ion	Resp	Lower	Upper
43	100		
57	14.6	0.0	29.0
72	48.9	9.4	49.4



#44
 Cyclohexane
 Concen: 30.30 ppb
 RT: 5.371 min Scan# 701
 Delta R.T. 0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

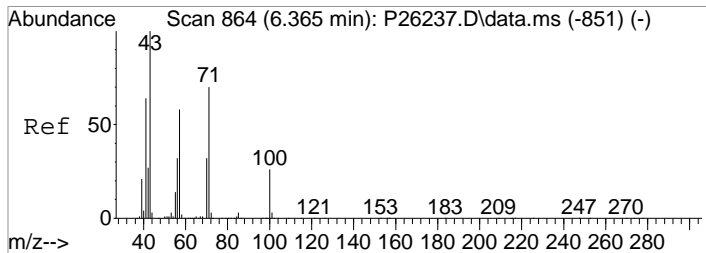
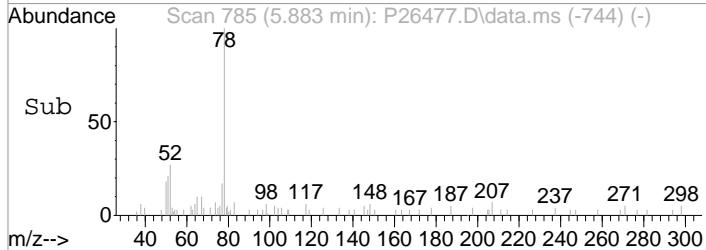
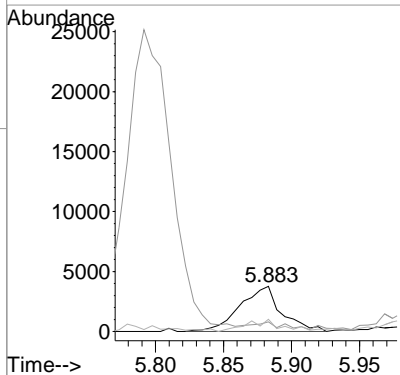
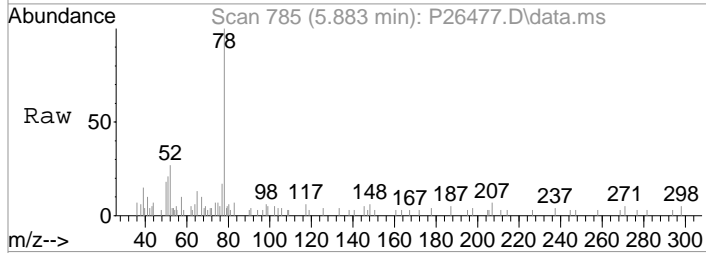
Tgt Ion	Resp	Lower	Upper
41	100		
39	45.3	28.6	68.6





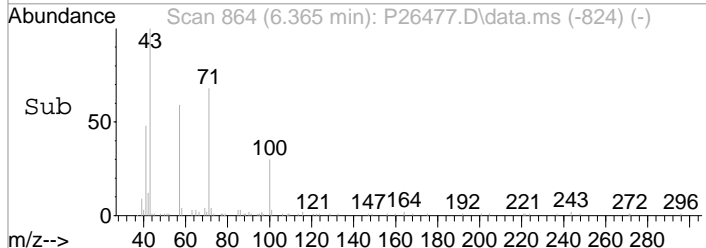
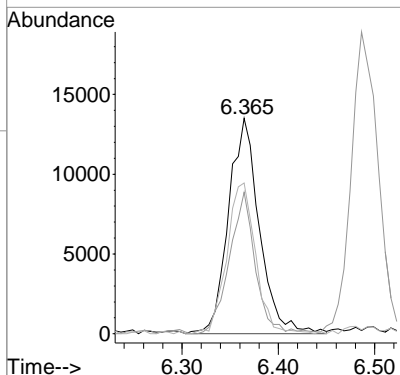
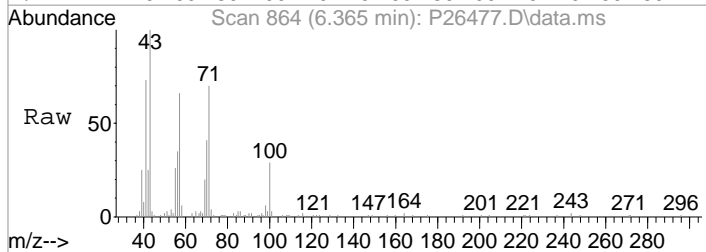
#49
 Benzene
 Concen: 0.59 ppb
 RT: 5.883 min Scan# 785
 Delta R.T. 0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

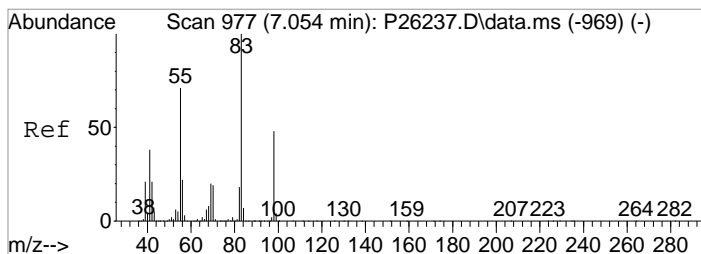
Tgt Ion	Resp	Lower	Upper
78	100		
51	21.3	0.0	35.2
52	27.2	0.0	34.4



#52
 n-Heptane
 Concen: 8.31 ppb
 RT: 6.365 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

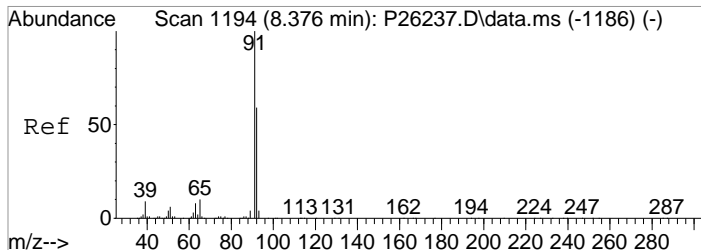
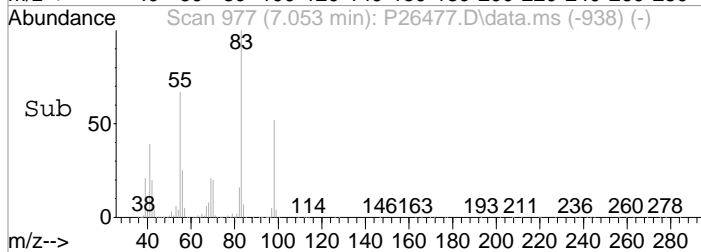
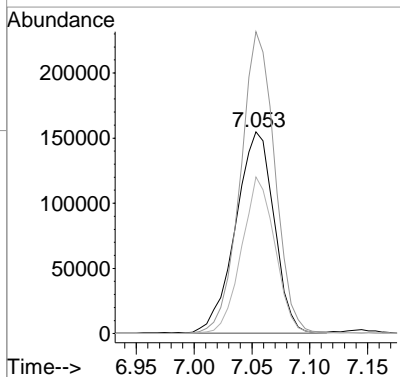
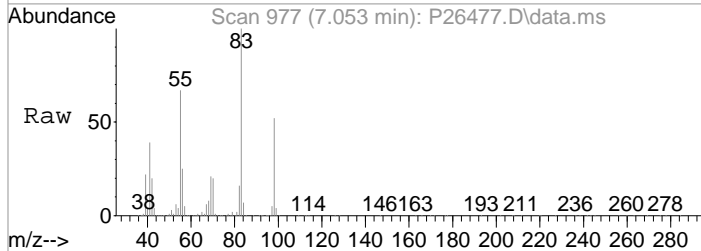
Tgt Ion	Resp	Lower	Upper
43	100		
57	65.8	38.2	78.2
71	70.0	49.7	89.7





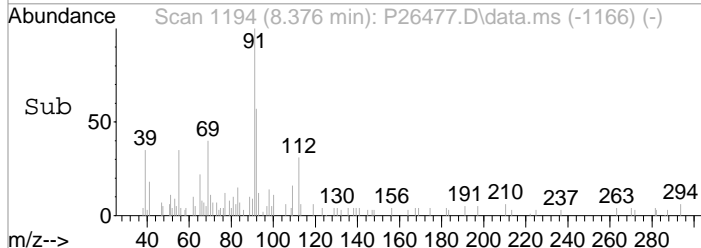
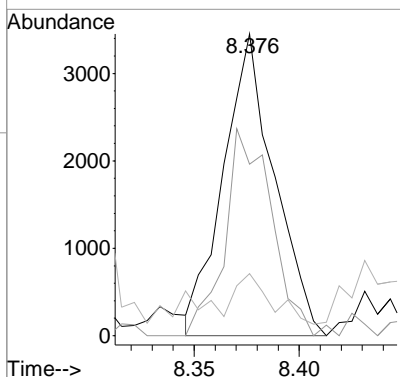
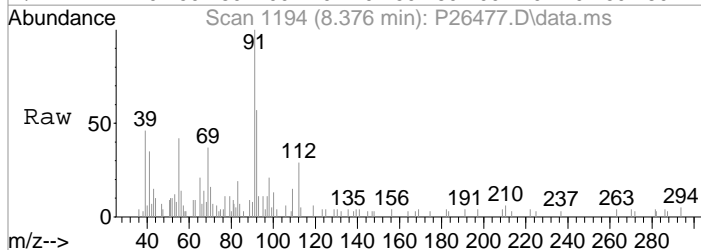
#55
 Methylcyclohexane
 Concen: 90.47 ppb
 RT: 7.053 min Scan# 977
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

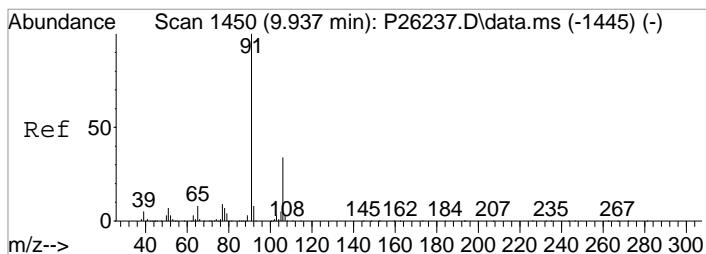
Tgt Ion	Resp	Lower	Upper
55	100		
83	149.9	120.3	160.3
98	77.8	47.5	87.5



#66
 Toluene
 Concen: 0.38 ppb
 RT: 8.376 min Scan# 1194
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

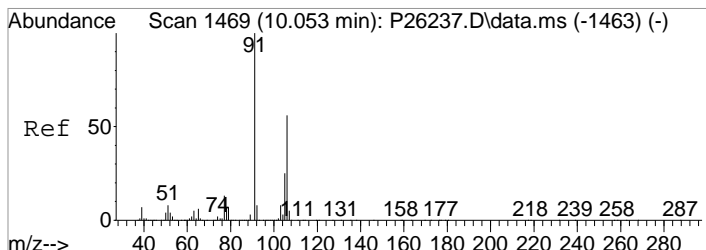
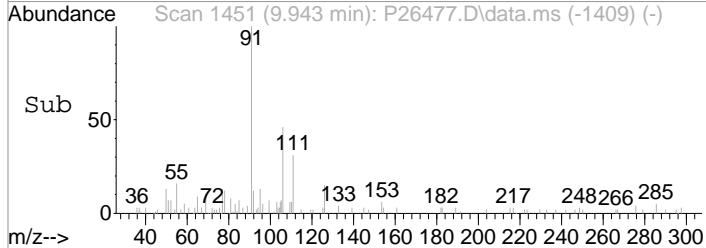
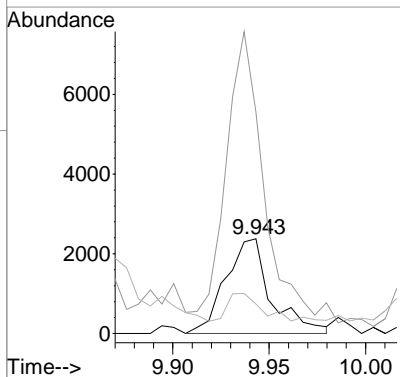
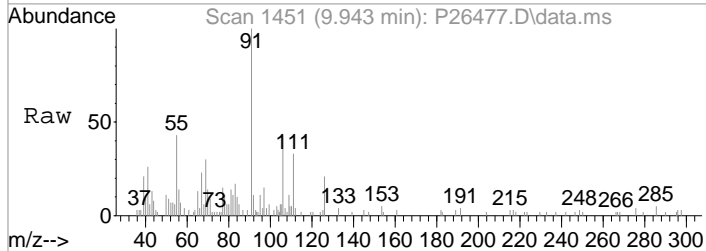
Tgt Ion	Resp	Lower	Upper
91	100		
92	56.9	39.4	79.4
65	20.6	0.0	30.4





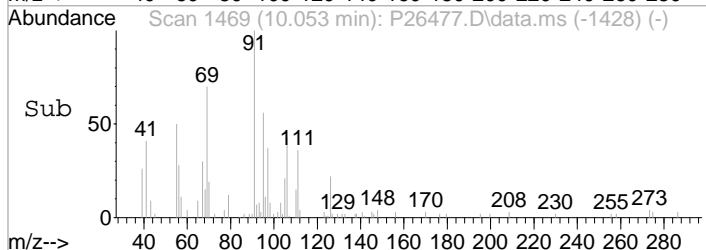
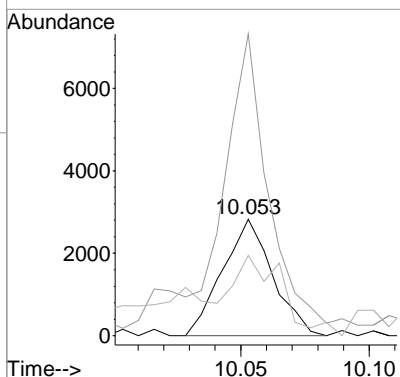
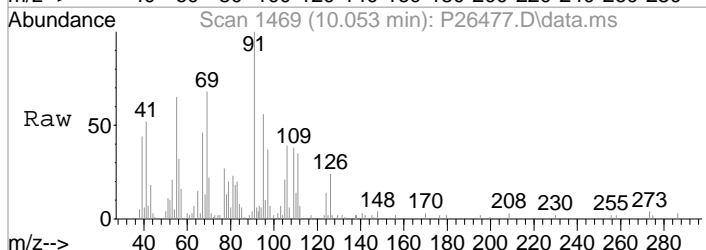
#82
 Ethylbenzene
 Concen: 0.70 ppb
 RT: 9.943 min Scan# 1451
 Delta R.T. 0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

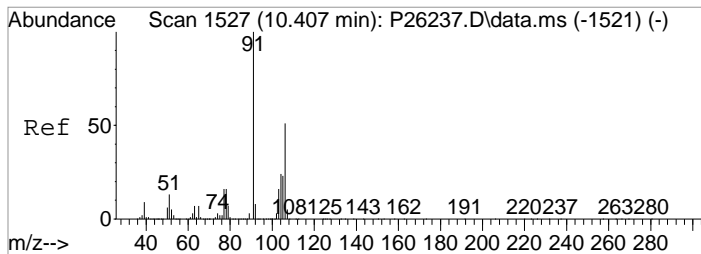
Tgt Ion	Resp	Lower	Upper
106	3910		
106	100		
91	233.2	270.5	310.5#
65	31.1	3.3	43.3



#83
 (m+p)Xylene
 Concen: 0.55 ppb
 RT: 10.053 min Scan# 1469
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

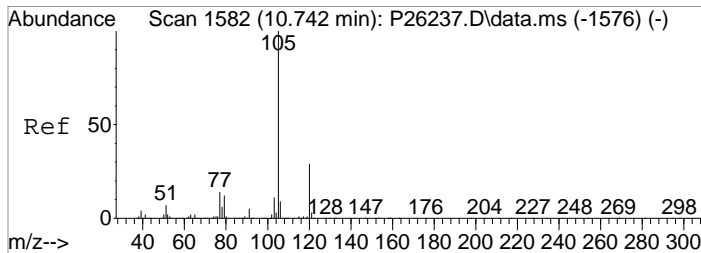
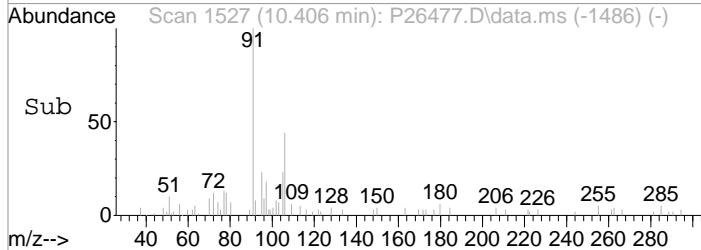
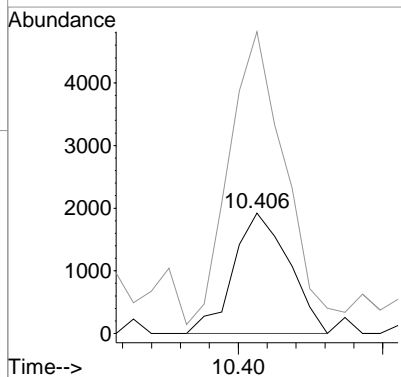
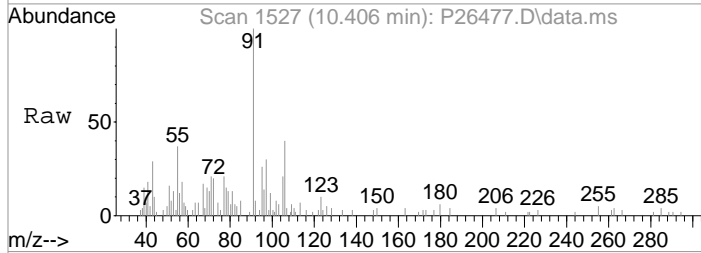
Tgt Ion	Resp	Lower	Upper
106	3846		
106	100		
91	259.1	160.1	200.1#
77	68.9	4.0	44.0#





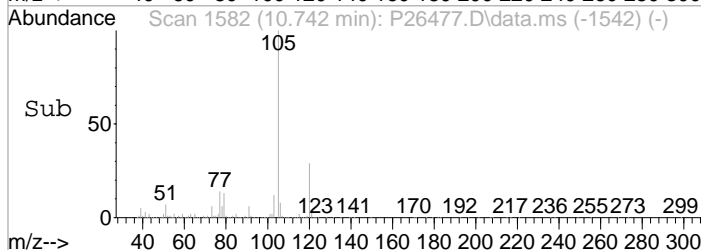
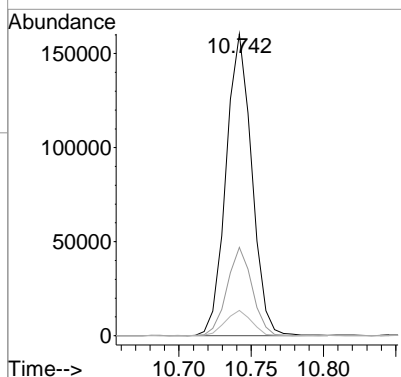
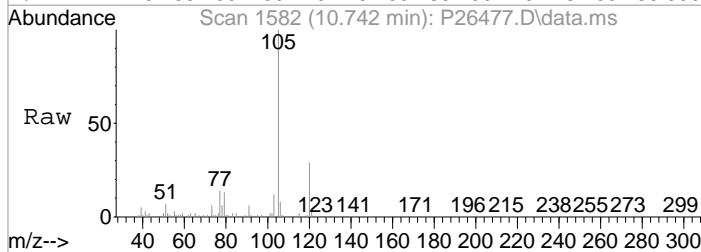
#84
 o-Xylene
 Concen: 0.36 ppb
 RT: 10.406 min Scan# 1527
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

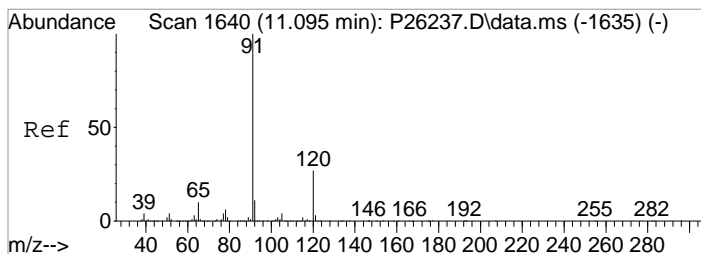
Tgt Ion	Resp	Lower	Upper
106	2564		
91	251.0	175.8	215.8#



#89
 Isopropylbenzene
 Concen: 12.27 ppb
 RT: 10.742 min Scan# 1582
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

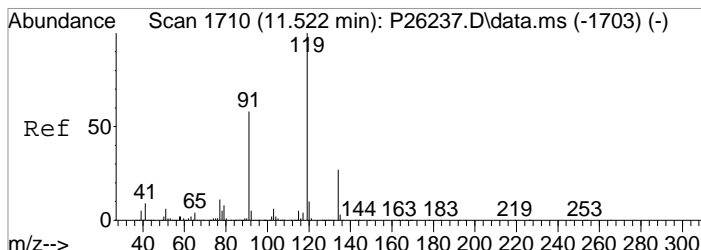
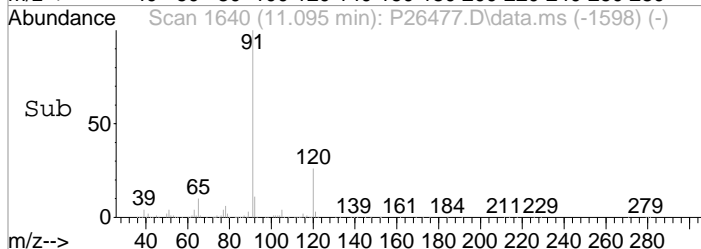
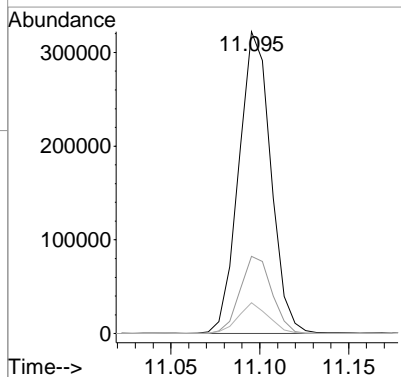
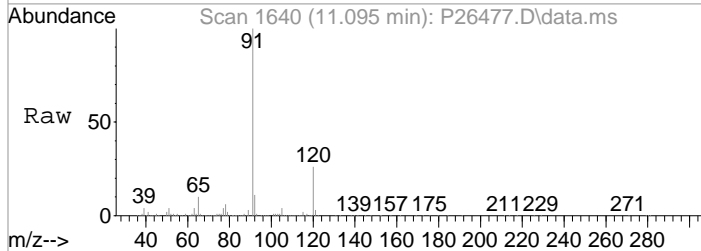
Tgt Ion	Resp	Lower	Upper
105	198943		
105	100		
120	29.2	8.9	48.9
106	8.4	0.0	29.0





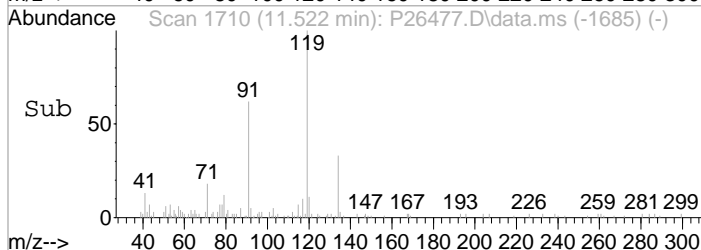
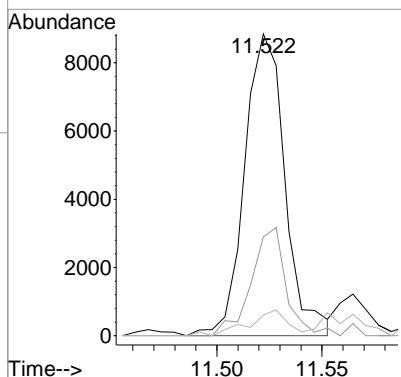
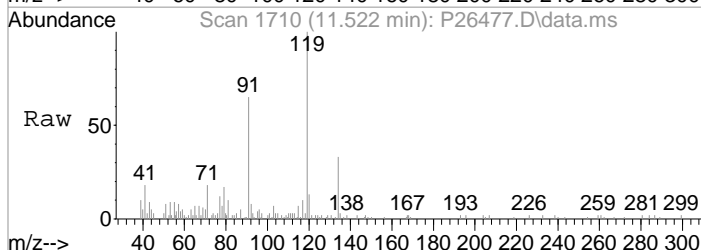
#95
 n-Propylbenzene
 Concen: 22.87 ppb
 RT: 11.095 min Scan# 1640
 Delta R.T. -0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

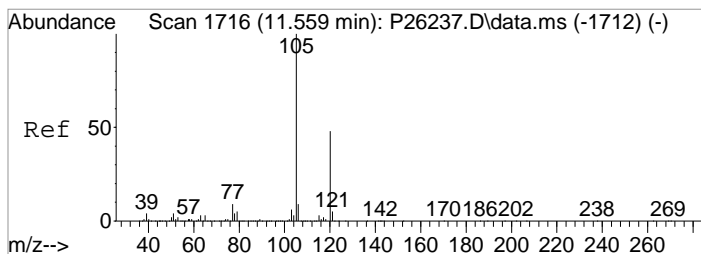
Tgt Ion	Resp	Lower	Upper
91	402205		
120	25.5	6.9	46.9
65	10.2	0.0	29.8



#100
 tert-Butylbenzene
 Concen: 0.95 ppb
 RT: 11.522 min Scan# 1710
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

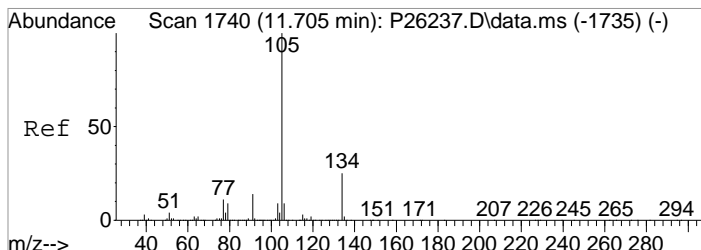
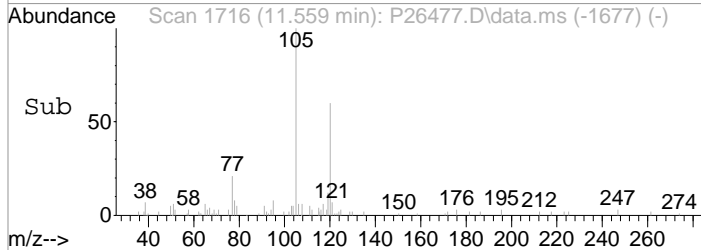
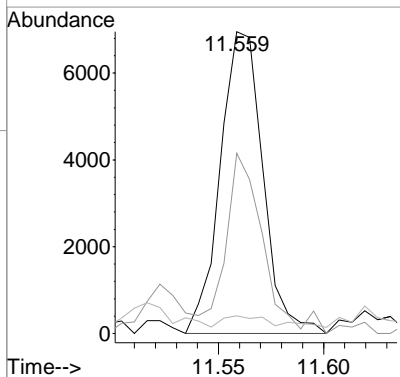
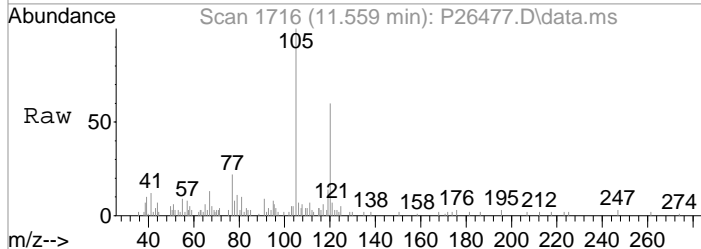
Tgt Ion	Resp	Lower	Upper
119	11832		
134	32.8	6.9	46.9
103	6.8	0.0	26.4





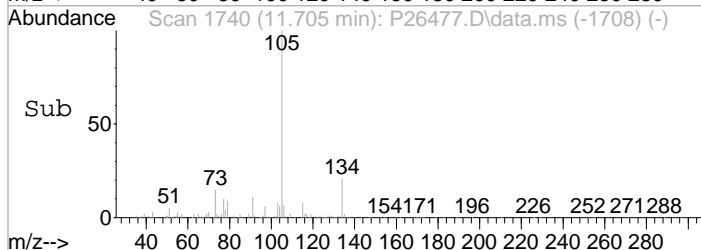
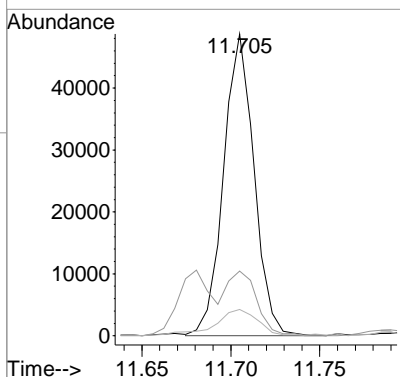
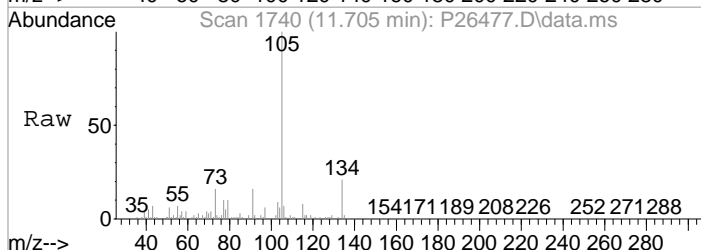
#101
 1,2,4-Trimethylbenzene
 Concen: 0.73 ppb
 RT: 11.559 min Scan# 1716
 Delta R.T. -0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

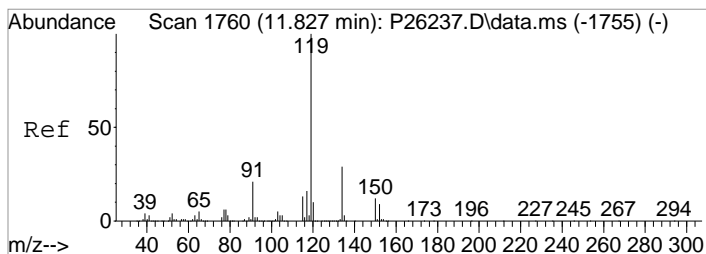
Tgt Ion	Resp	Lower	Upper
105	9828		
120	59.6	30.0	70.0
65	5.8	0.0	23.7



#103
 sec-Butylbenzene
 Concen: 3.33 ppb
 RT: 11.705 min Scan# 1740
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

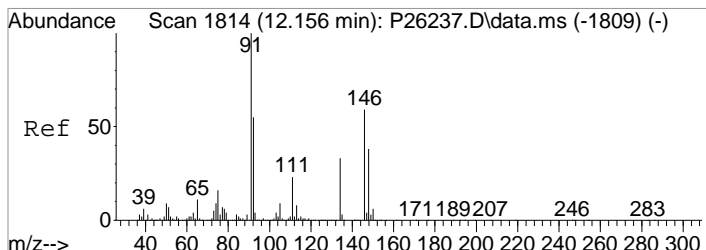
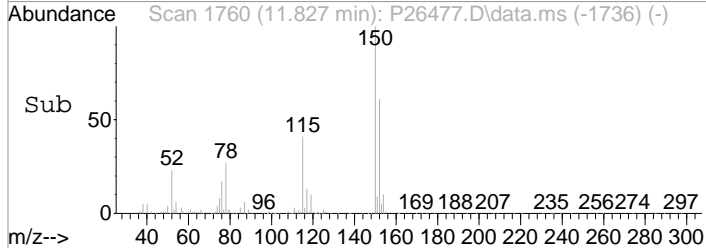
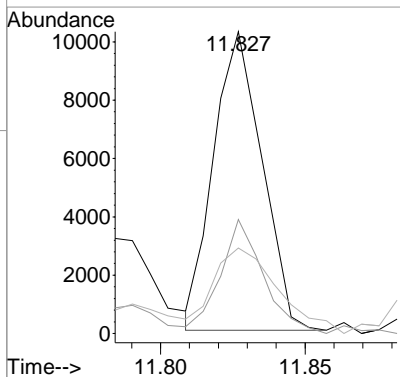
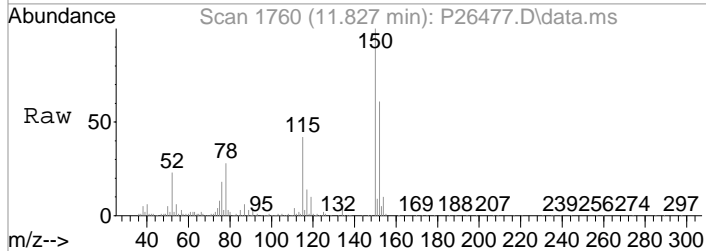
Tgt Ion	Resp	Lower	Upper
105	58031		
134	21.4	5.2	45.2
103	8.7	0.0	28.8





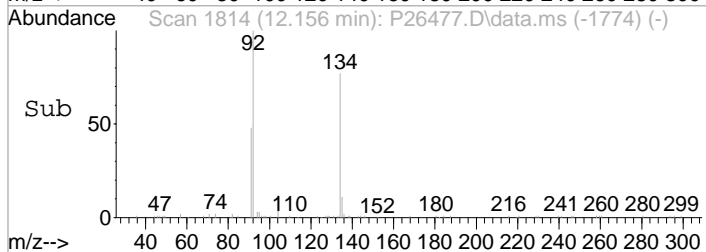
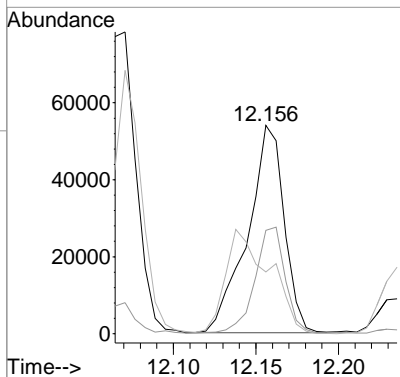
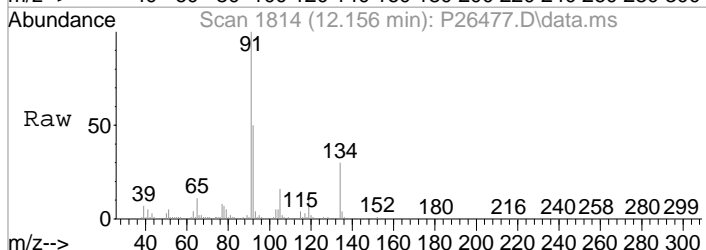
#104
 p-Isopropyltoluene
 Concen: 0.79 ppb
 RT: 11.827 min Scan# 1760
 Delta R.T. -0.000 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

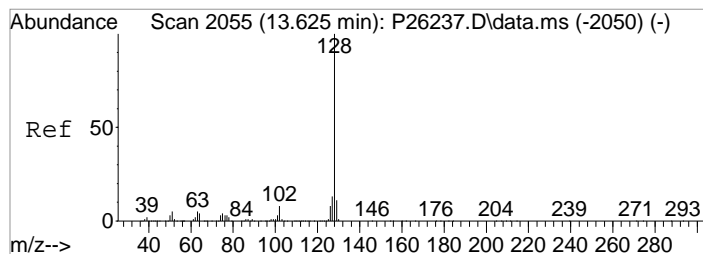
Tgt Ion	Resp	Lower	Upper
119	11964		
134	37.8	9.4	49.4
91	28.3	1.3	41.3



#109
 n-Butylbenzene
 Concen: 6.61 ppb
 RT: 12.156 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: P26477.D
 Acq: 7 May 2019 4:53 pm

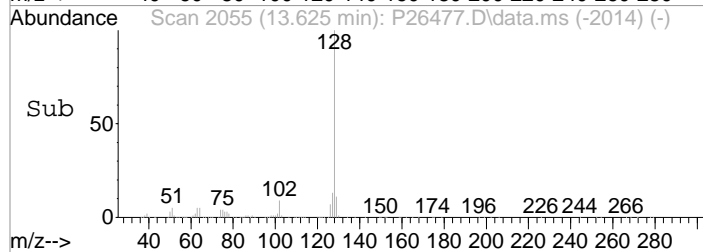
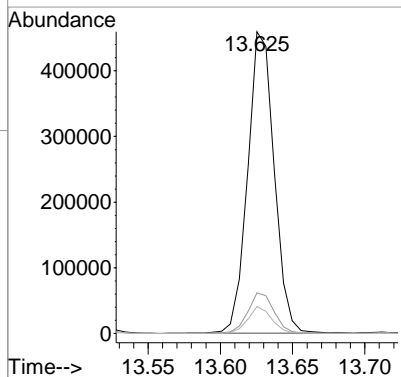
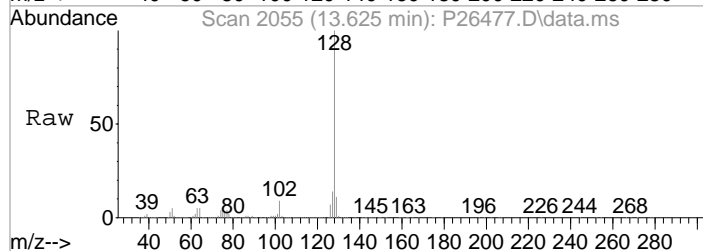
Tgt Ion	Resp	Lower	Upper
91	83305		
92	49.6	35.0	75.0
134	29.7	12.5	52.5





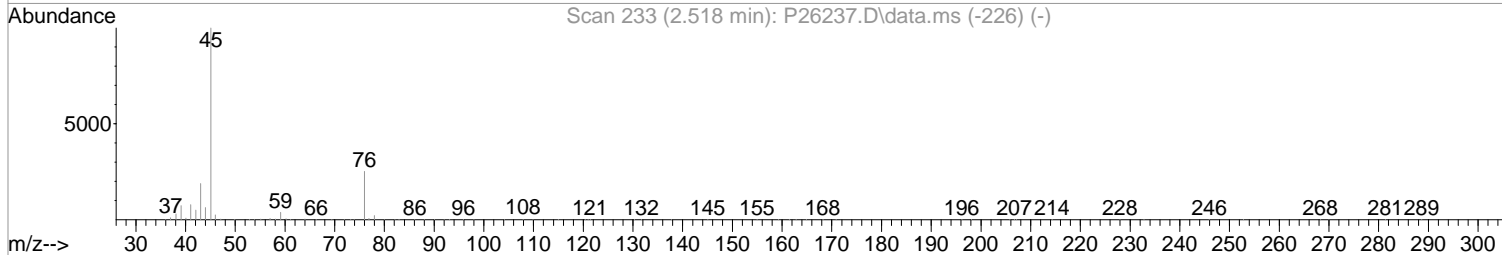
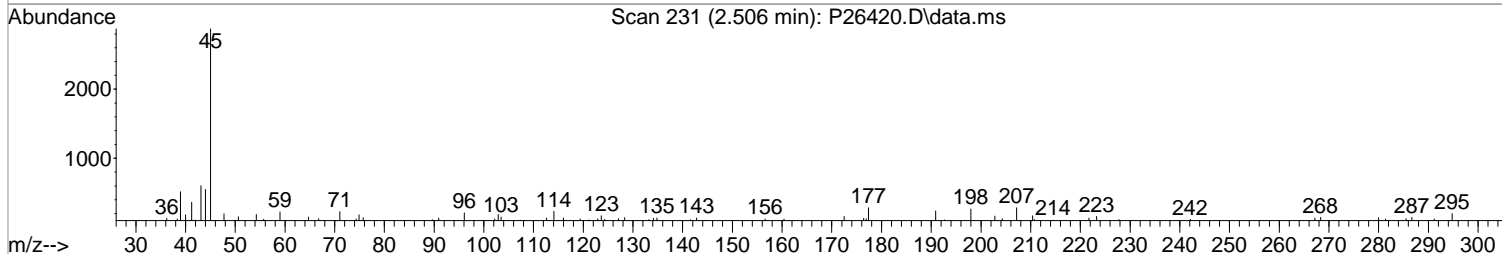
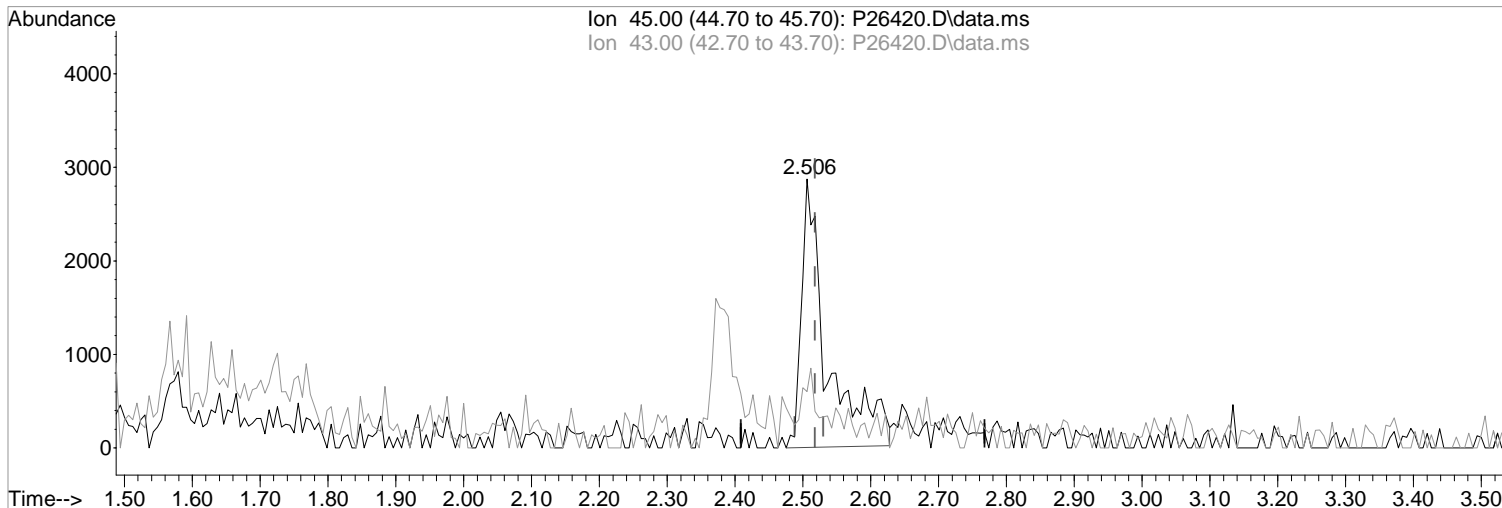
#117
Naphthalen
Concen: 27.90 ppb
RT: 13.625 min Scan# 2055
Delta R.T. -0.006 min
Lab File: P26477.D
Acq: 7 May 2019 4:53 pm

Tgt Ion	Resp	Lower	Upper
128	586016		
127	13.5	0.0	33.2
102	8.9	0.0	28.0



Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26420.D
Acq On : 6 May 2019 6:47 pm
Operator : K.Ruest
Sample : R1903954-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 19:15:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26420.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 21.67 ppb m
response 7606

Manual Integration:

After

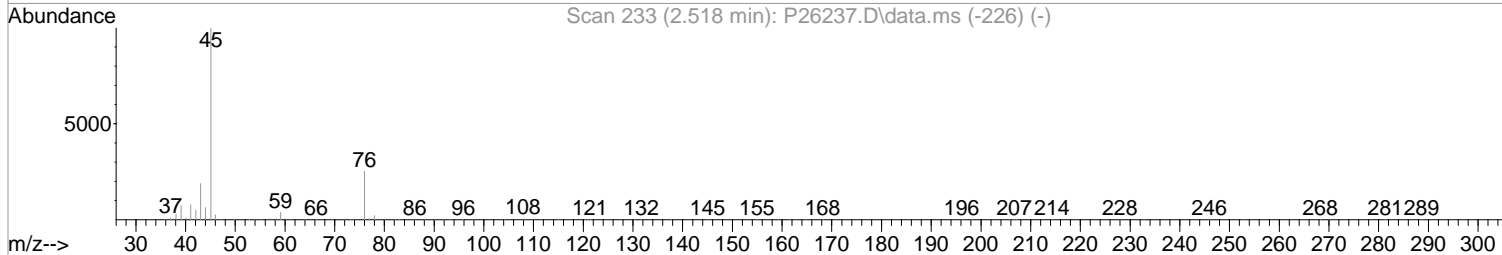
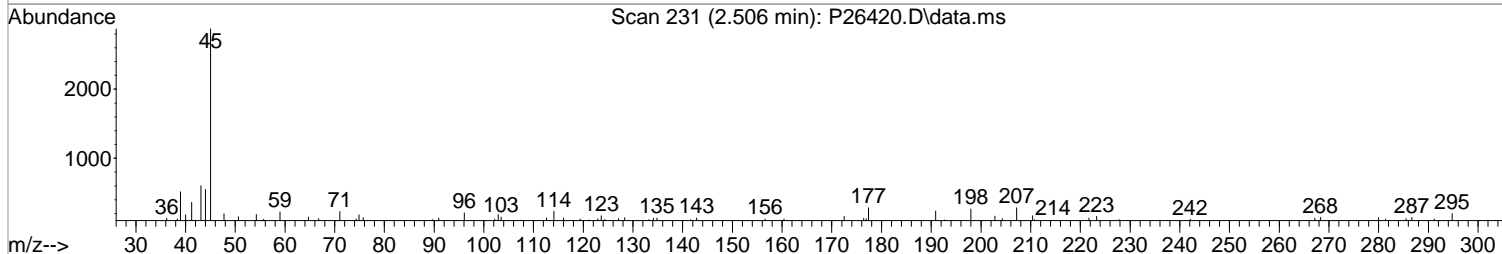
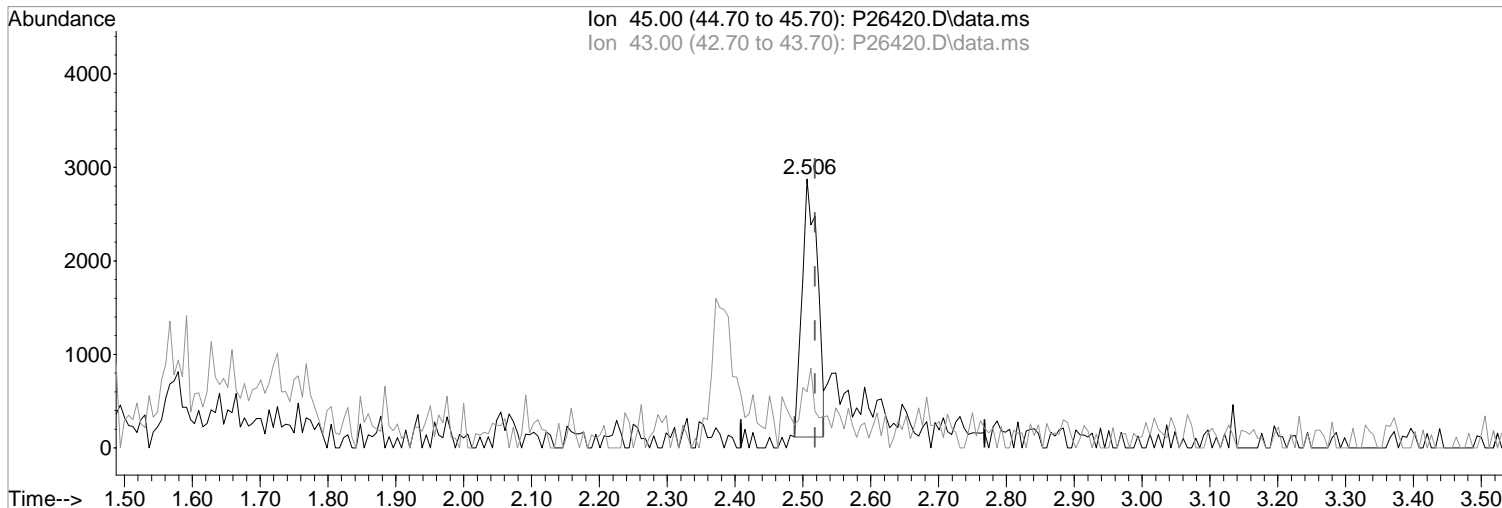
Poor integration.

05/07/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.97
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26420.D
Acq On : 6 May 2019 6:47 pm
Operator : K.Ruest
Sample : R1903954-014|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 19:15:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(16) 2-Propanol Manual Integration:
2.506min (-0.012) 12.46 ppb Before
response 4373

Ion	Exp%	Act%	
45.00	100	100	05/07/19
43.00	19.10	20.97	
0.00	0.00	0.00	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
 Data File : P26420.D
 Acq On : 6 May 2019 6:47 pm
 Operator : K.Ruest
 Sample : R1903954-014|1.0 Inst : MSVOA-12
 Misc : DAY 8260 T4
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 07 14:22:43 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.402	168	330116	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.487	114	489260	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	425647	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	225975	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	138995	49.41	ppb	-0.01
Spiked Amount	50.000	Range 89 - 119	Recovery	=	98.82%	
48) surr1,1,2-dichloroetha...	5.792	65	169426	55.21	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	110.42%	
65) SURR3,Toluene-d8	8.297	98	586163	50.19	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	100.38%	
70) SURR2,BFB	10.864	95	217598	47.68	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	95.36%	
Target Compounds						
15) Acetone	2.372	43	3602	1.25	ppb	Qvalue 77
16) 2-Propanol	2.506	45	7606m	21.67	ppb	
23) TBA	2.908	59	1617	2.58	ppb	# 10

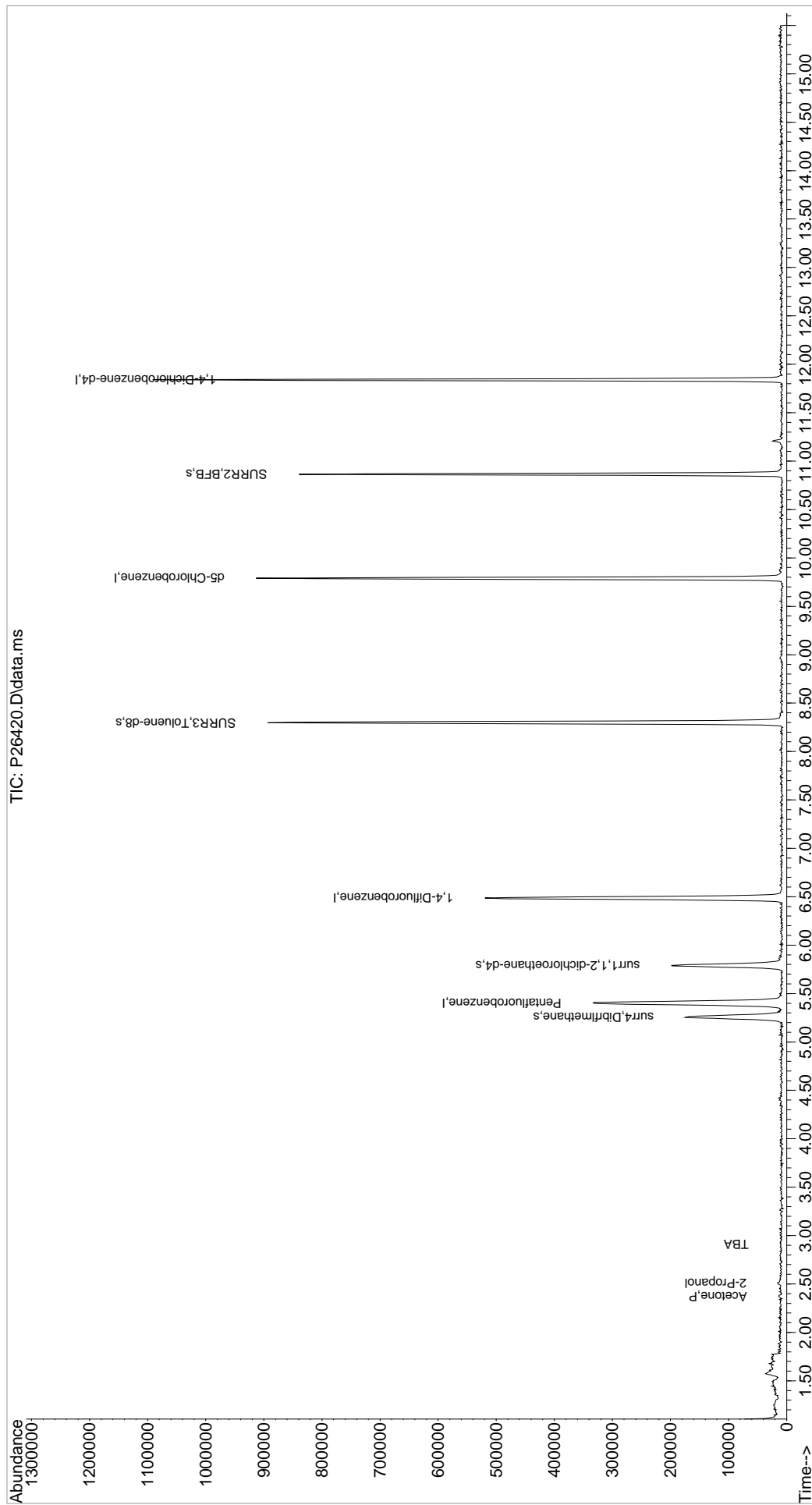
(#) = qualifier out of range (m) = manual integration (+) = signals summed

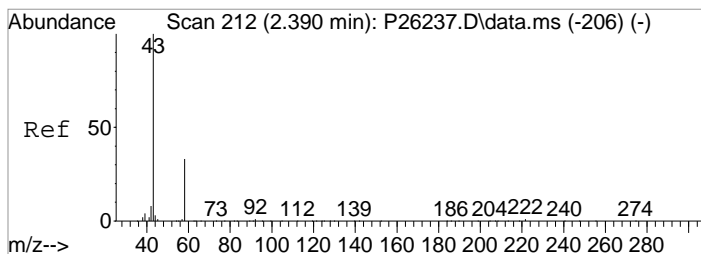
Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\msvoa12\Data\050619\
Data File : P26420.D
Acq On : 6 May 2019 6:47 pm
Operator : K.Ruest
Sample : R1903954-014|1.0
Misc : DAY 8260 T4
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA-12

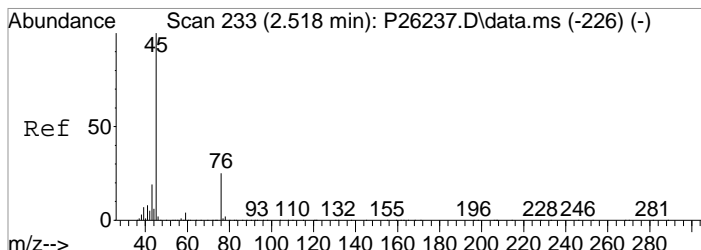
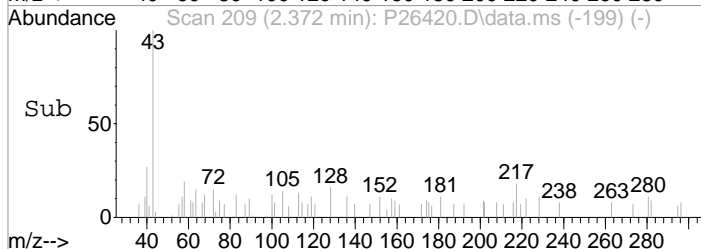
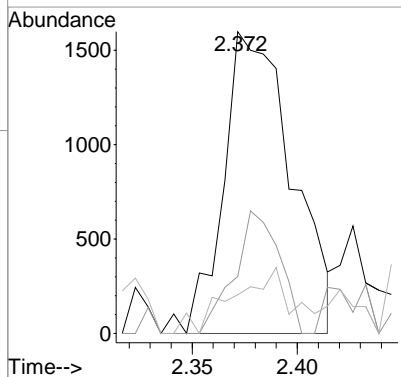
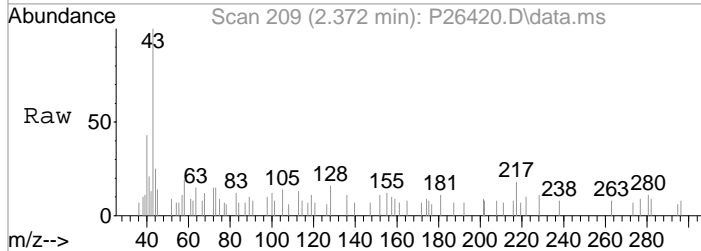
Quant Time: May 07 14:22:43 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





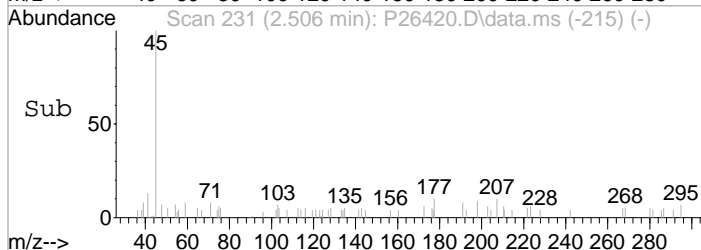
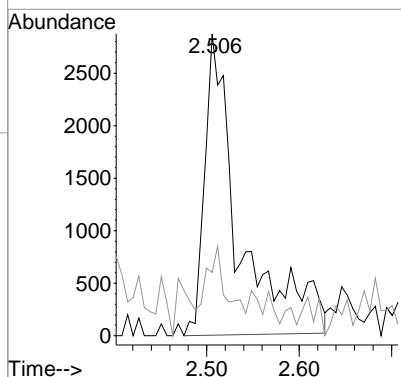
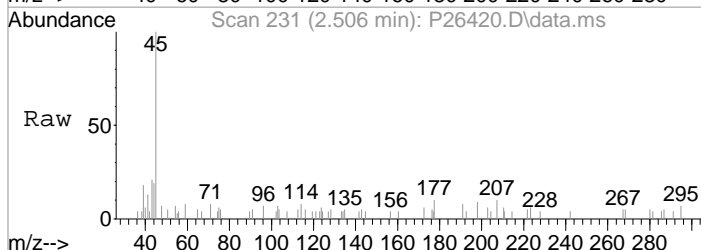
#15
 Acetone
 Concen: 1.25 ppb
 RT: 2.372 min Scan# 209
 Delta R.T. -0.011 min
 Lab File: P26420.D
 Acq: 6 May 2019 6:47 pm

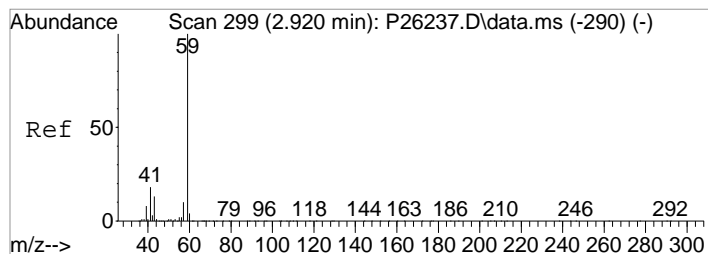
Tgt Ion	Resp	Lower	Upper
43	100		
58	18.9	13.1	53.1
42	12.9	0.0	28.3



#16
 2-Propanol
 Concen: 21.67 ppb m
 RT: 2.506 min Scan# 231
 Delta R.T. -0.012 min
 Lab File: P26420.D
 Acq: 6 May 2019 6:47 pm

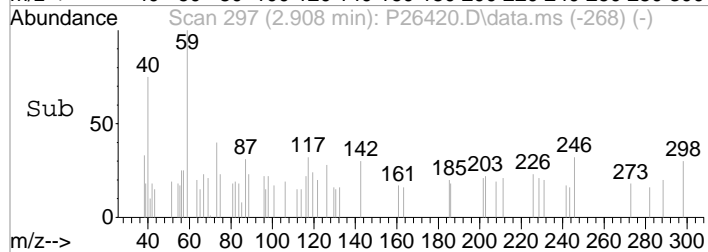
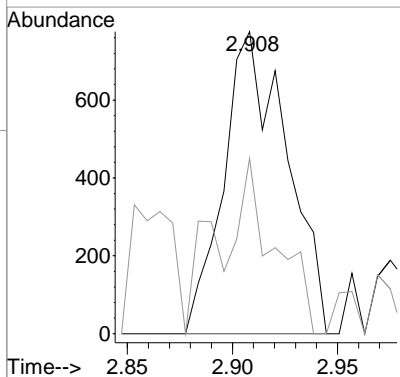
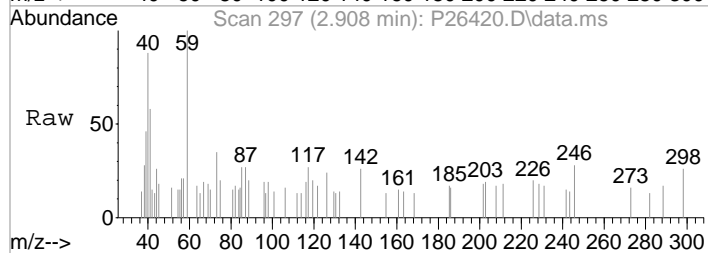
Tgt Ion	Resp	Lower	Upper
45	100		
43	21.0	0.0	39.1





#23
TBA
Concen: 2.58 ppb
RT: 2.908 min Scan# 297
Delta R.T. -0.012 min
Lab File: P26420.D
Acq: 6 May 2019 6:47 pm

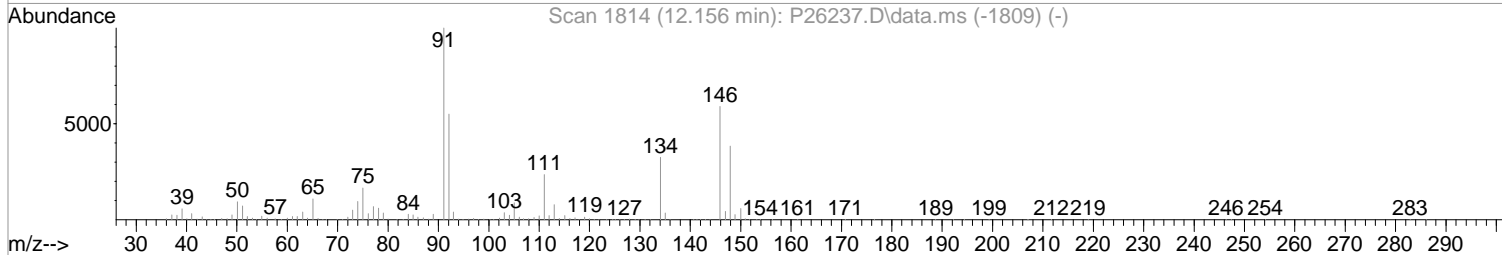
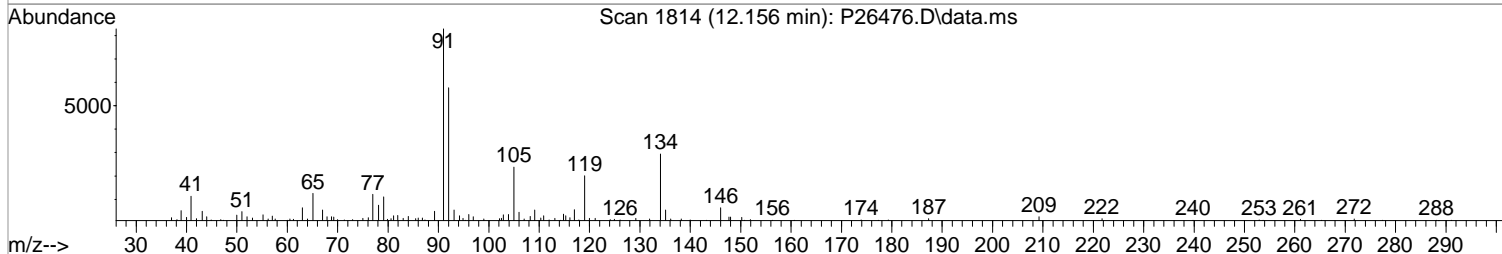
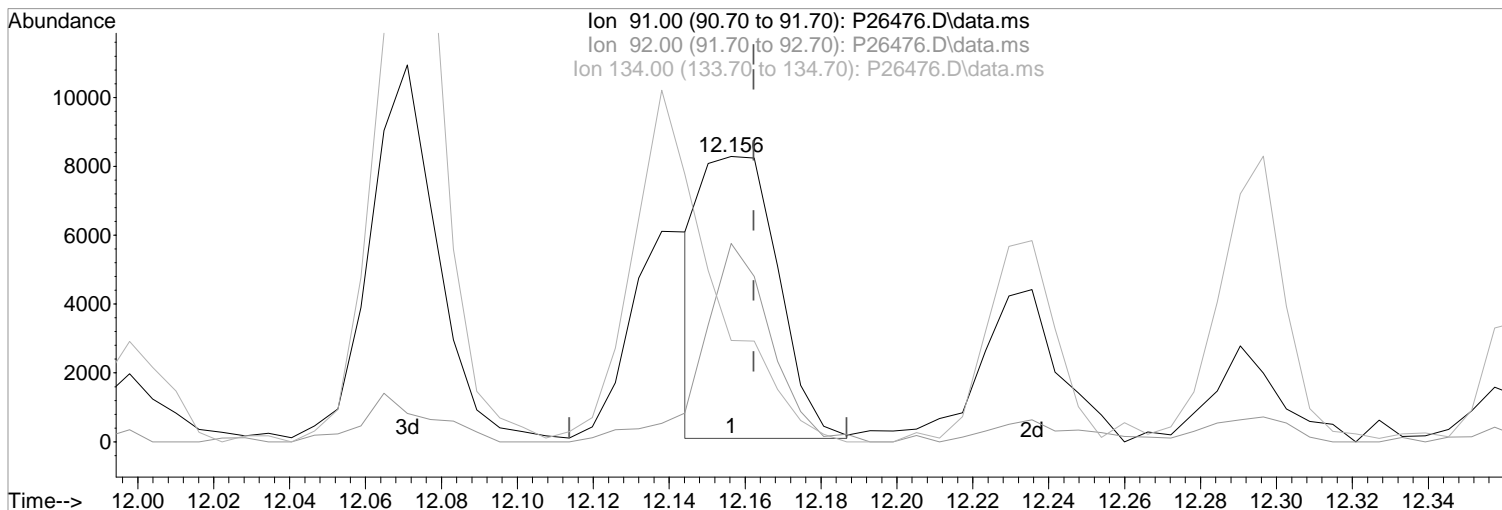
Tgt Ion	Resp	Lower	Upper
59	1617		
59	100		
41	58.0	0.0	38.2#



Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26476.D
Acq On : 7 May 2019 4:31 pm
Operator : K.Ruest
Sample : R1903954-015|1.0
Misc : DAY 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 16:46:26 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26476.D\data.ms

(109) n-Butylbenzene
12.156min (-0.006) 0.92 ppb m
response 11456

Manual Integration:
After
Poor integration.

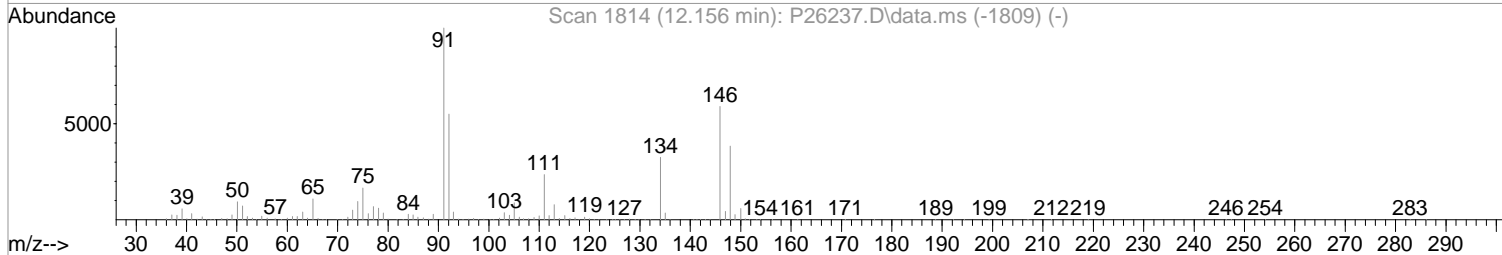
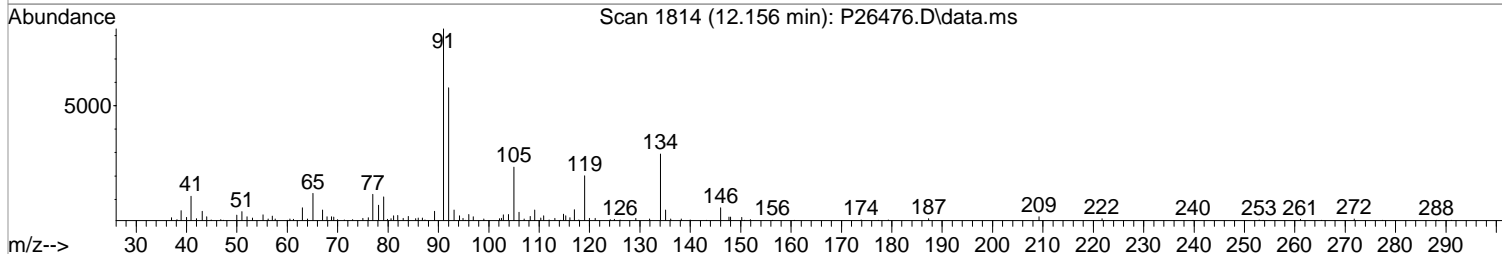
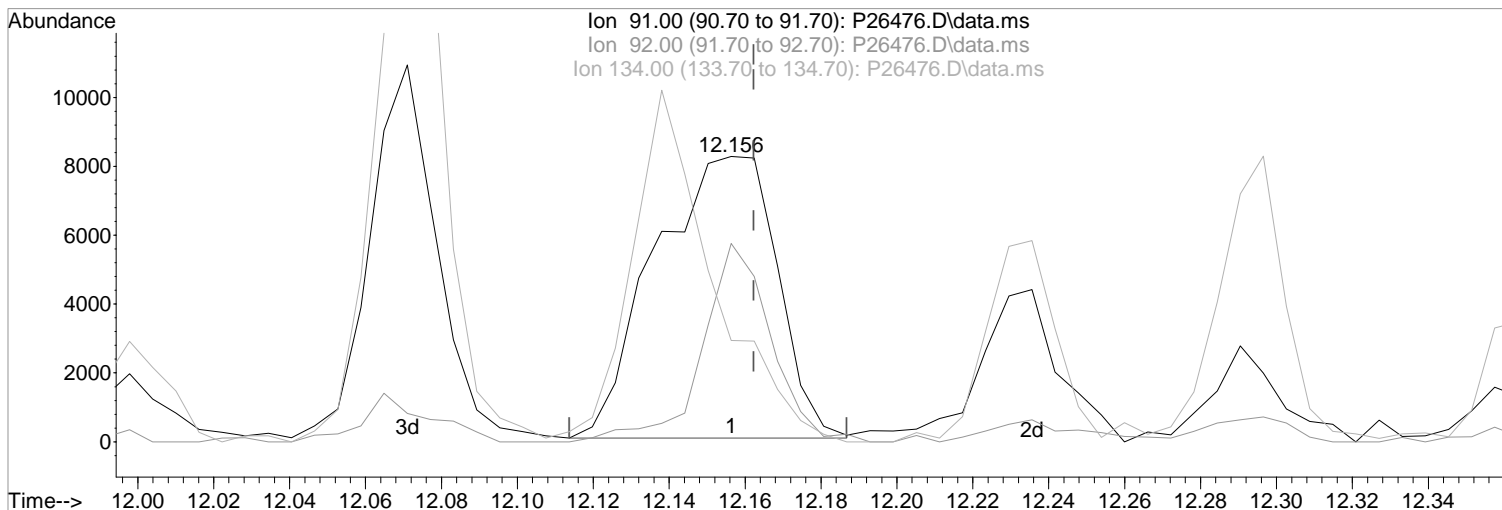
Ion	Exp%	Act%
91.00	100	100
92.00	55.00	69.51
134.00	32.50	35.47
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26476.D
Acq On : 7 May 2019 4:31 pm
Operator : K.Ruest
Sample : R1903954-015|1.0
Misc : DAY 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 16:46:26 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26476.D\data.ms

(109) n-Butylbenzene
12.156min (-0.006) 1.47 ppb
response 18225

Manual Integration:

Before

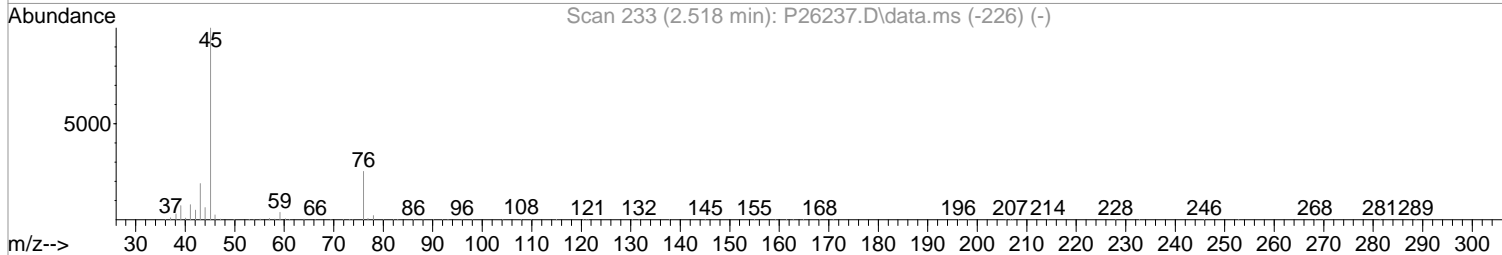
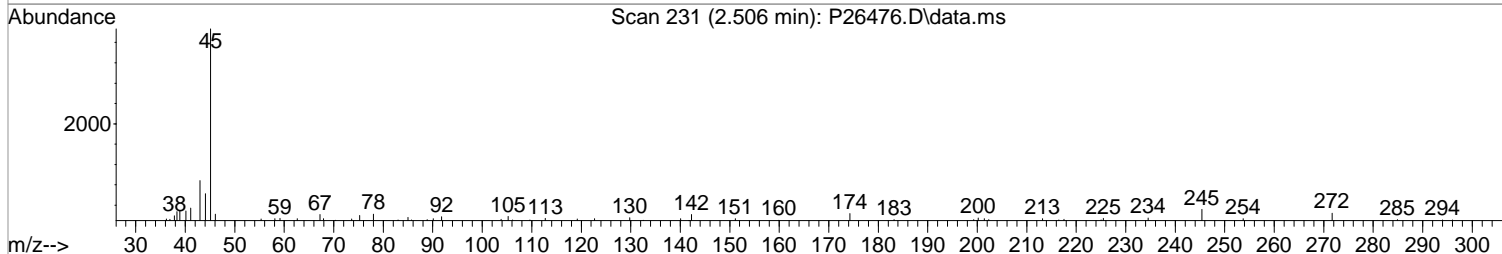
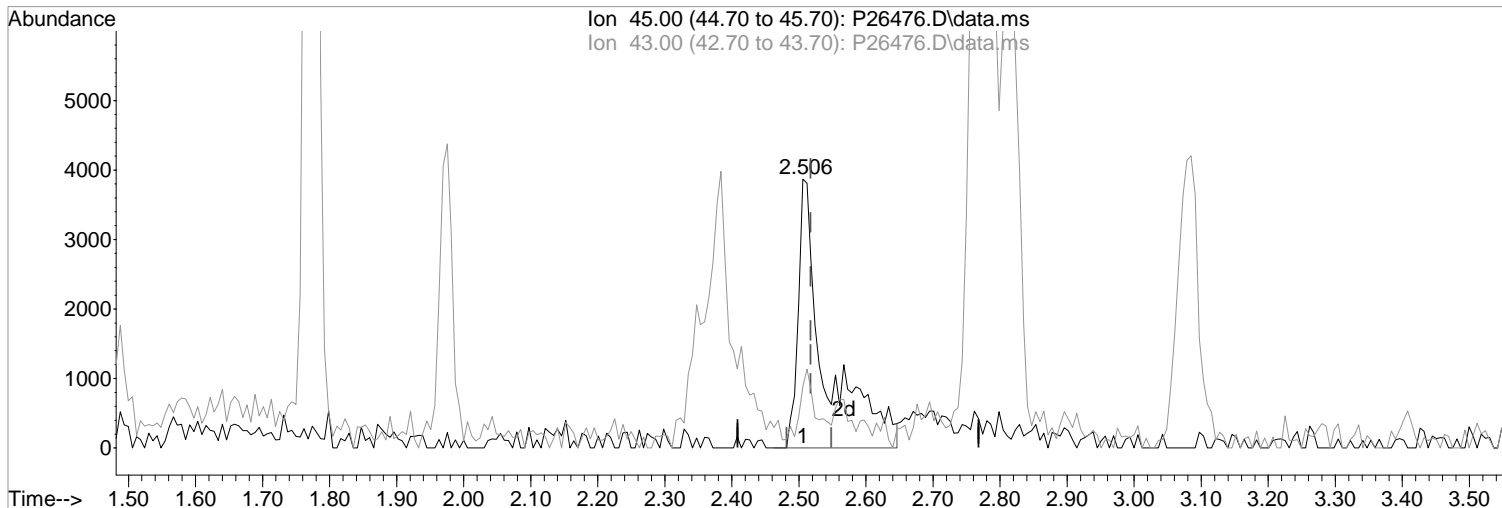
Ion	Exp%	Act%
91.00	100	100
92.00	55.00	69.51
134.00	32.50	35.47
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26476.D
Acq On : 7 May 2019 4:31 pm
Operator : K.Ruest
Sample : R1903954-015|1.0
Misc : DAY 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 16:46:26 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(16) 2-Propanol
2.506min (-0.012) 28.06 ppb m
response 10875

Manual Integration:

After

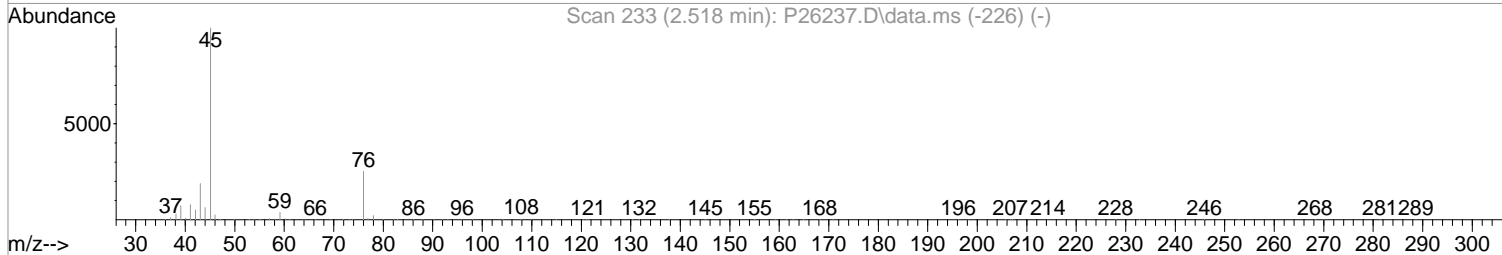
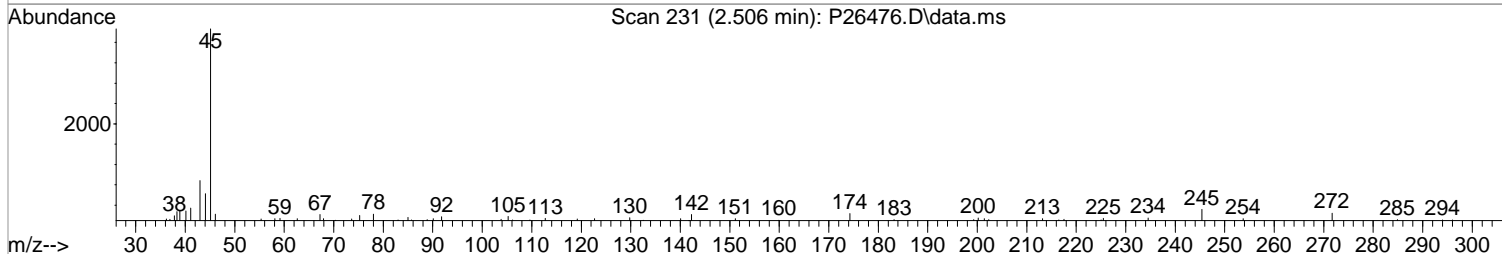
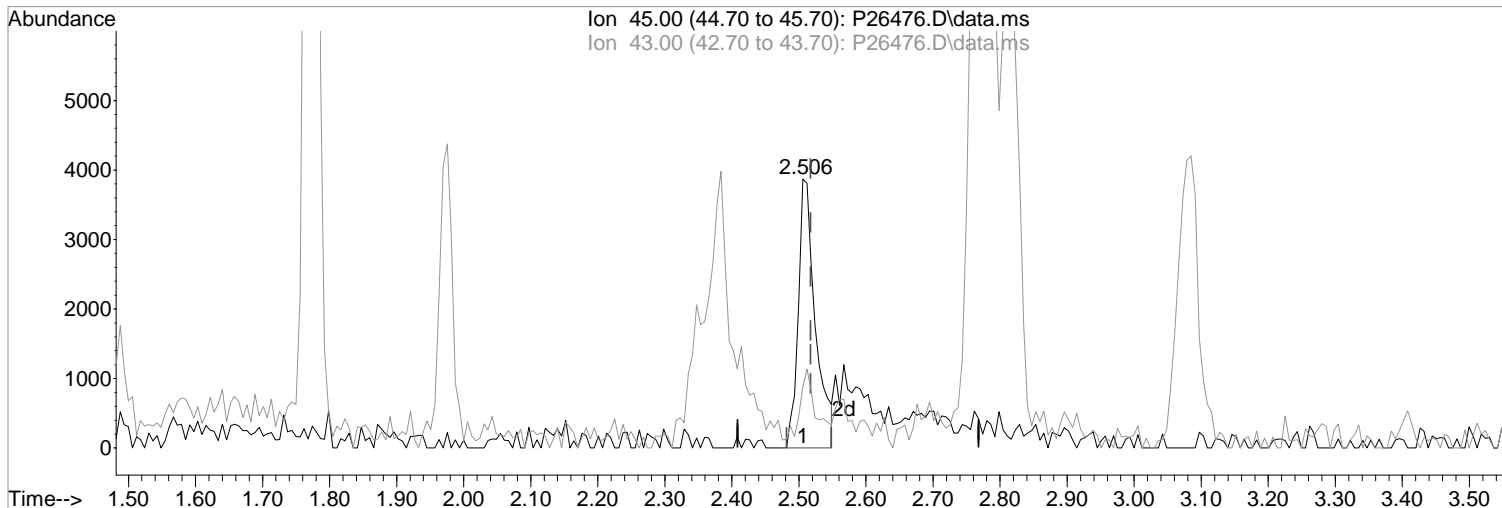
Poor integration.

05/08/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26476.D
Acq On : 7 May 2019 4:31 pm
Operator : K.Ruest
Sample : R1903954-015|1.0 Inst : MSVOA-12
Misc : DAY 8260 T4
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 16:46:26 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(16) 2-Propanol Manual Integration:
2.506min (-0.012) 17.78 ppb Before
response 6890
05/08/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26476.D
 Acq On : 7 May 2019 4:31 pm
 Operator : K.Ruest
 Sample : R1903954-015|1.0 Inst : MSVOA-12
 Misc : DAY 8260 T4
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 08 11:29:16 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

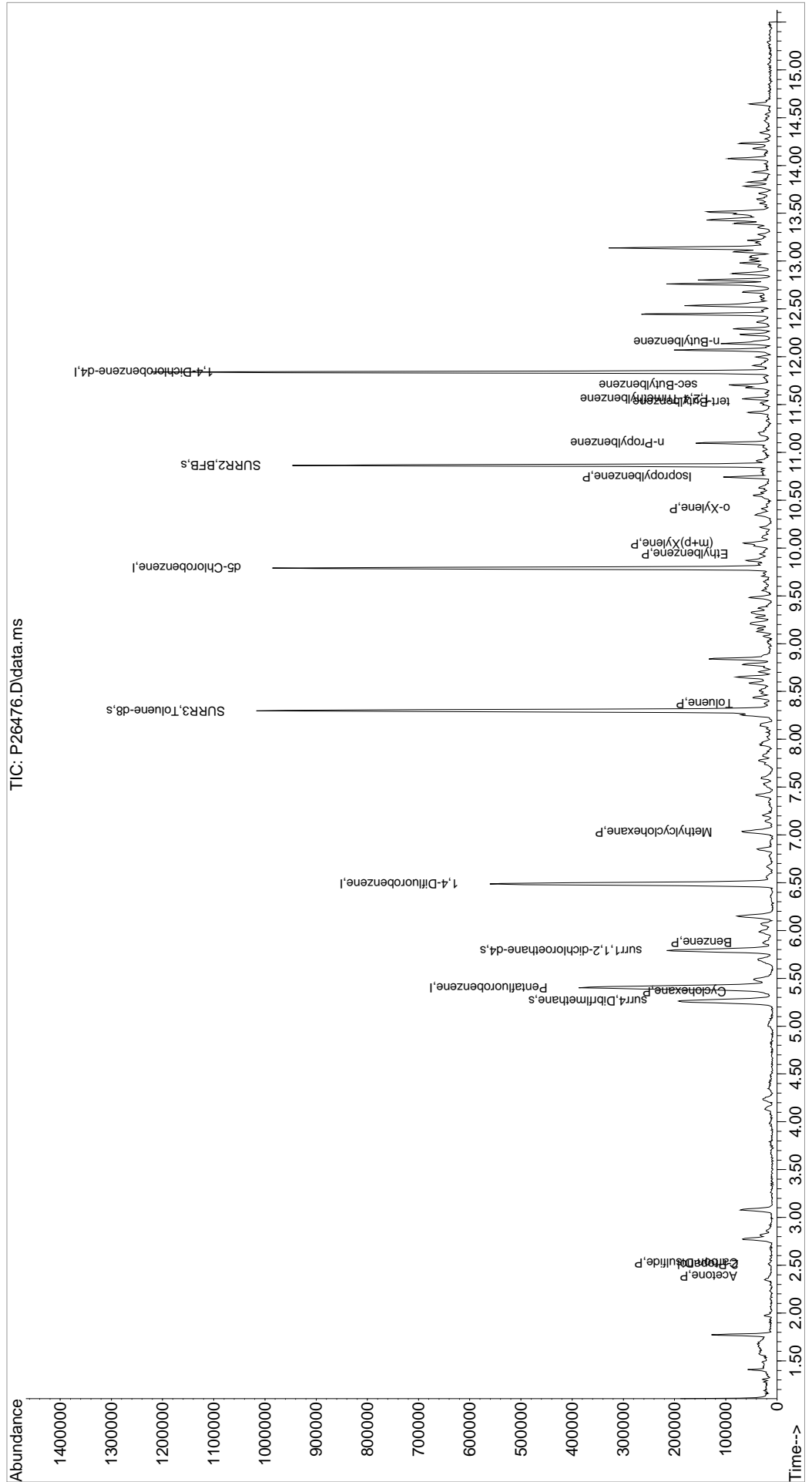
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.402	168	364519	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.487	114	526193	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	467014	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	254098	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	150017	49.59	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	99.18%		
48) surr1,1,2-dichloroetha...	5.786	65	180932	54.82	ppb	-0.01
Spiked Amount	50.000	Range 73 - 125	Recovery =	109.64%		
65) SURR3,Toluene-d8	8.297	98	639414	50.91	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	101.82%		
70) SURR2,BFB	10.864	95	234090	47.69	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	95.38%		
Target Compounds						
15) Acetone	2.384	43	7795	3.78	ppb	Qvalue 96
16) 2-Propanol	2.506	45	10875m	28.06	ppb	
18) Carbon Disulfide	2.524	76	1657	0.23	ppb	88
20) Allyl Chloride	2.670	76	200	Below Cal	#	28
44) Cyclohexane	5.359	41	6045	2.29	ppb	84
49) Benzene	5.877	78	19294	1.41	ppb	89
55) Methylcyclohexane	7.029	55	20257	5.12	ppb	# 24
66) Toluene	8.377	91	7404	0.48	ppb	95
82) Ethylbenzene	9.937	106	3028	0.55	ppb	# 81
83) (m+p)Xylene	10.047	106	8501	1.24	ppb	97
84) o-Xylene	10.413	106	2713	0.39	ppb	95
89) Isopropylbenzene	10.742	105	39872	2.49	ppb	98
95) n-Propylbenzene	11.096	91	84506	4.88	ppb	96
100) tert-Butylbenzene	11.522	119	5837	0.48	ppb	98
101) 1,2,4-Trimethylbenzene	11.559	105	23150	1.73	ppb	92
103) sec-Butylbenzene	11.705	105	33912	1.98	ppb	89
109) n-Butylbenzene	12.156	91	11456m	0.92	ppb	

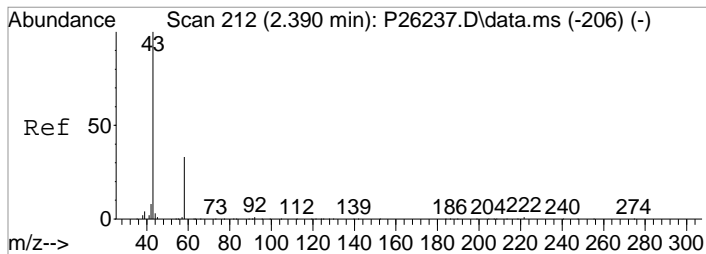
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26476.D
 Acq On : 7 May 2019 4:31 pm
 Operator : K.Ruest
 Sample : R1903954-015|1.0
 Misc : DAY 8260 T4
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

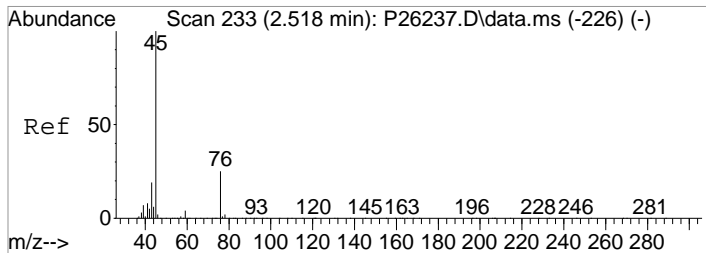
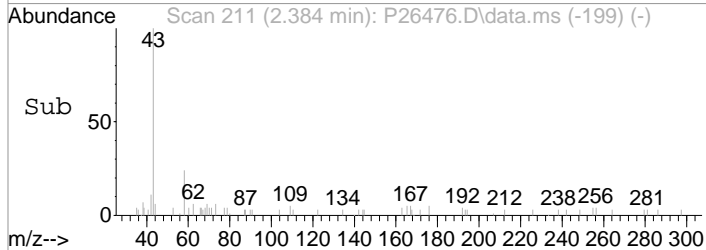
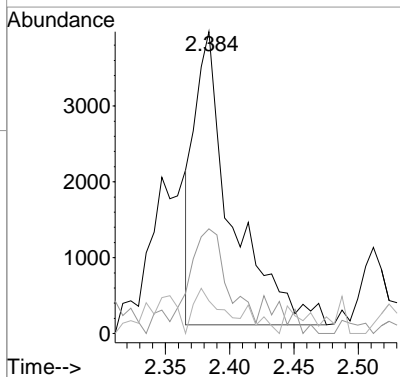
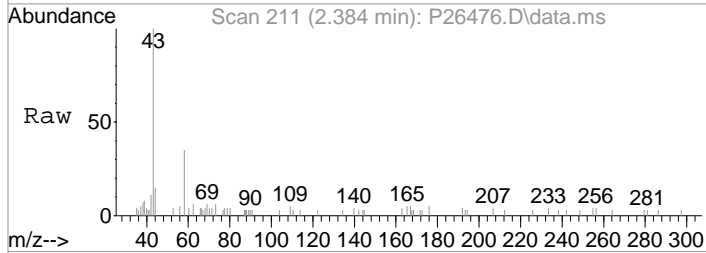
Quant Time: May 08 11:29:16 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration





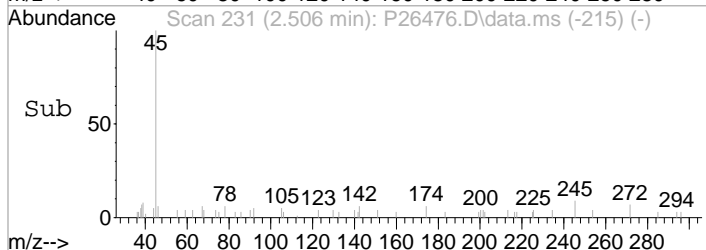
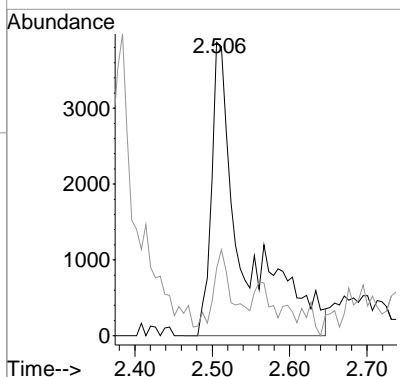
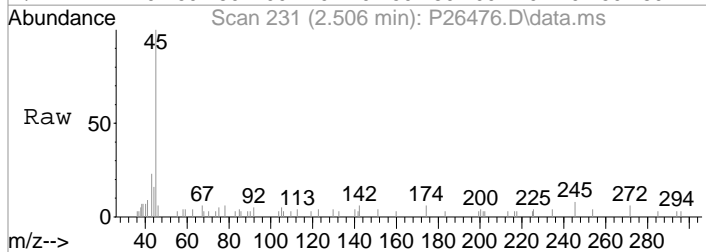
#15
 Acetone
 Concen: 3.78 ppb
 RT: 2.384 min Scan# 211
 Delta R.T. 0.001 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

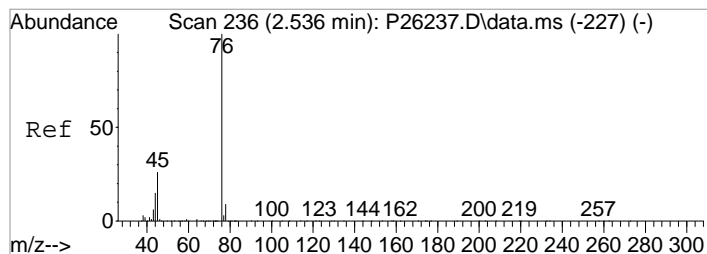
Tgt Ion	Resp	Lower	Upper
43	100		
58	34.6	13.1	53.1
42	10.9	0.0	28.3



#16
 2-Propanol
 Concen: 28.06 ppb m
 RT: 2.506 min Scan# 231
 Delta R.T. -0.012 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

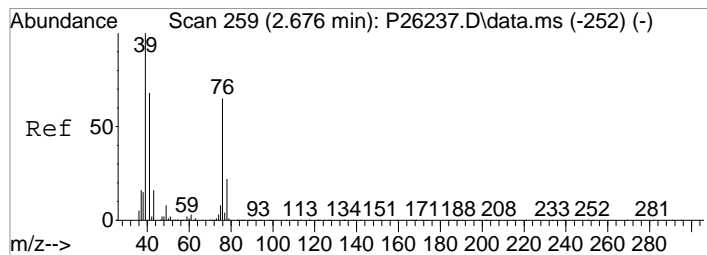
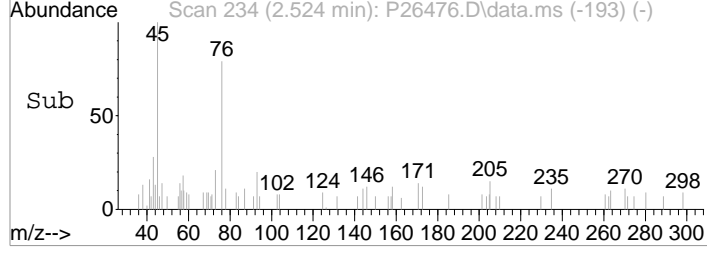
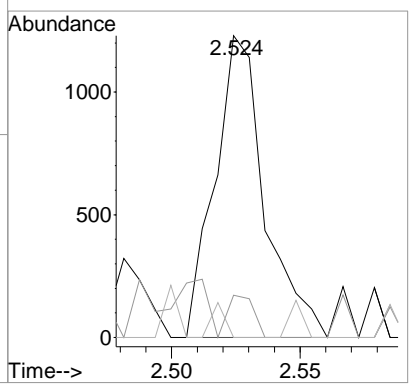
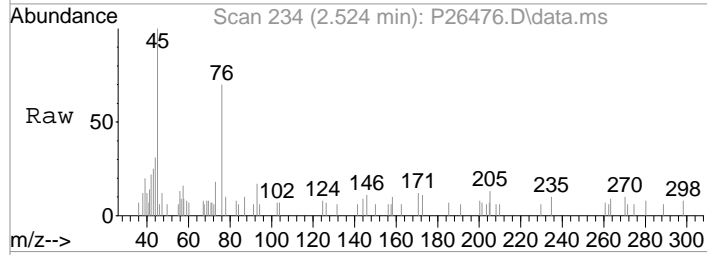
Tgt Ion	Resp	Lower	Upper
45	100		
43	22.9	0.0	39.1





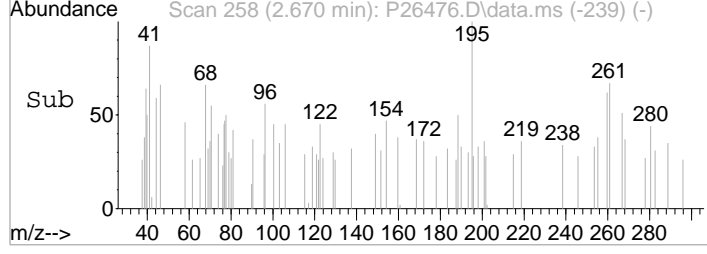
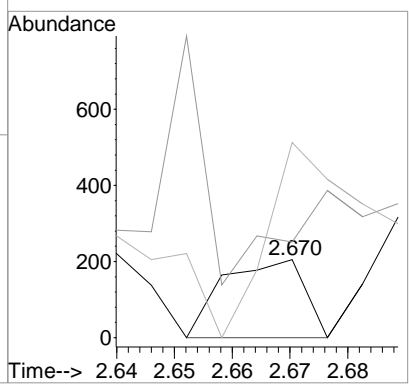
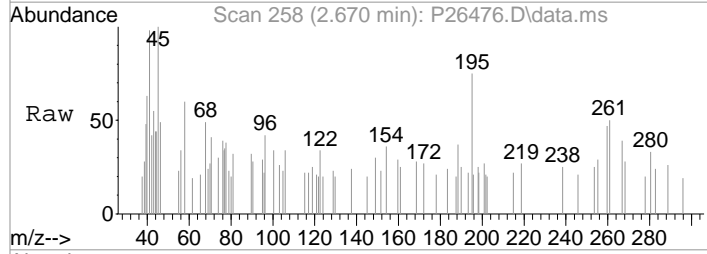
#18
 Carbon Disulfide
 Concen: 0.23 ppb
 RT: 2.524 min Scan# 234
 Delta R.T. -0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

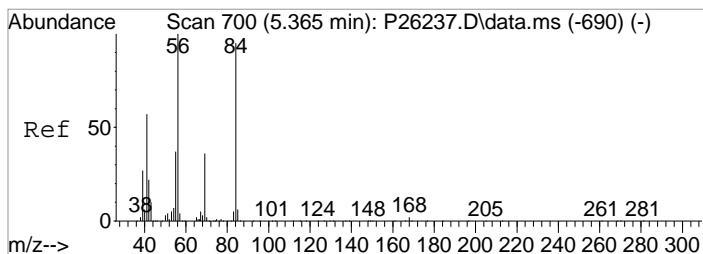
Tgt Ion	Resp	Lower	Upper
76	1657		
76	100		
78	14.0	0.0	29.3
77	0.0	0.0	22.9



#20
 Allyl Chloride
 Concen: Below Cal
 RT: 2.670 min Scan# 258
 Delta R.T. 0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

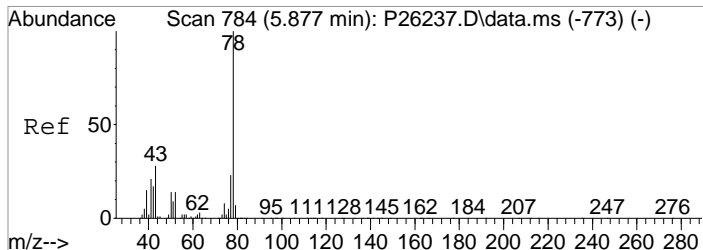
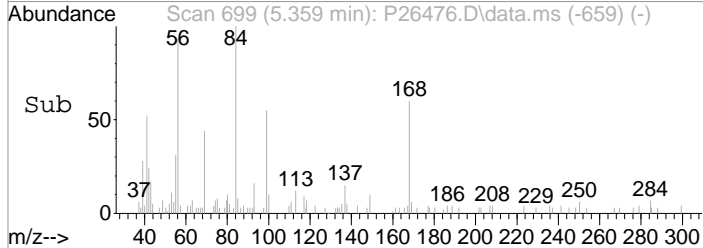
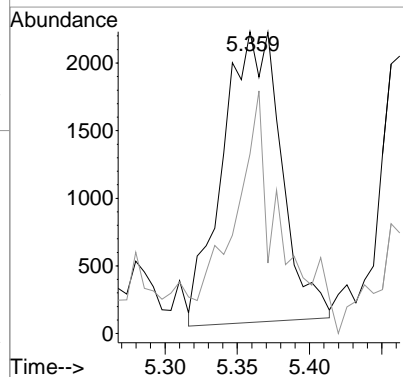
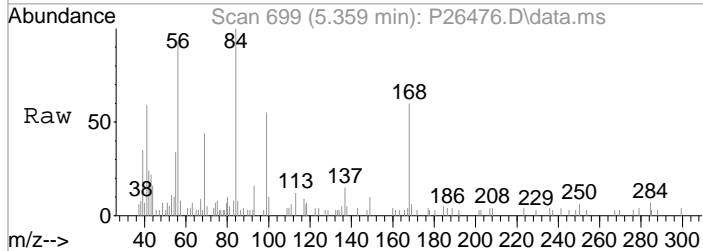
Tgt Ion	Resp	Lower	Upper
76	200		
76	100		
39	65.7	159.4	199.4#
41	134.3	228.4	268.4#





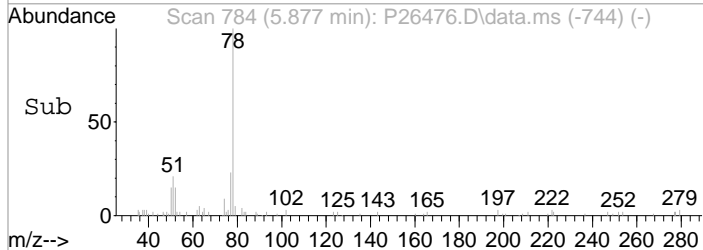
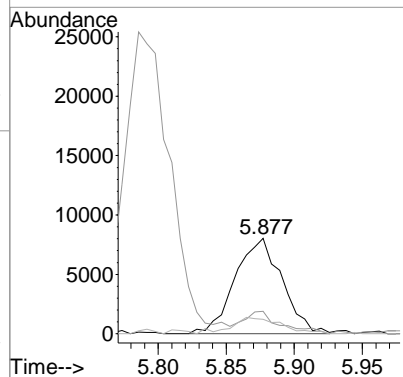
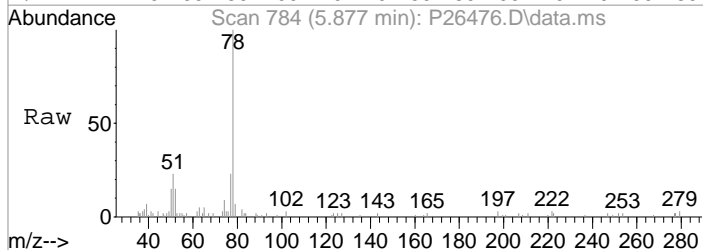
#44
 Cyclohexane
 Concen: 2.29 ppb
 RT: 5.359 min Scan# 699
 Delta R.T. -0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

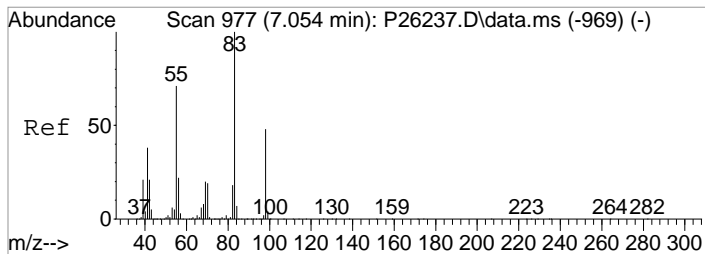
Tgt Ion	Resp	Lower	Upper
41	6045		
39	59.5	28.6	68.6



#49
 Benzene
 Concen: 1.41 ppb
 RT: 5.877 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

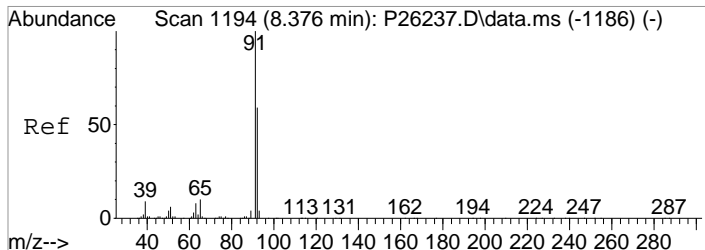
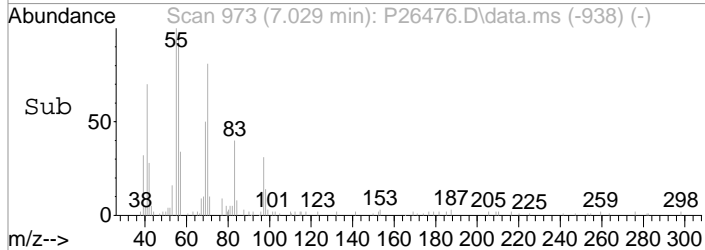
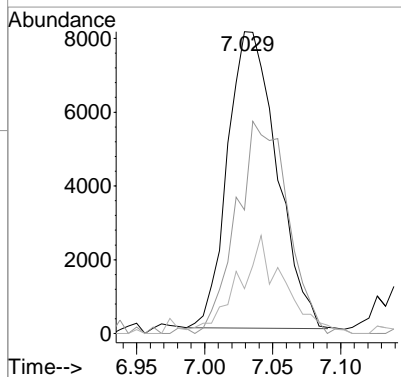
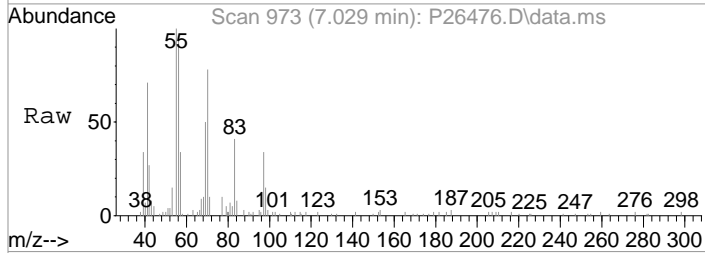
Tgt Ion	Resp	Lower	Upper
78	19294		
51	23.4	0.0	35.2
52	15.2	0.0	34.4





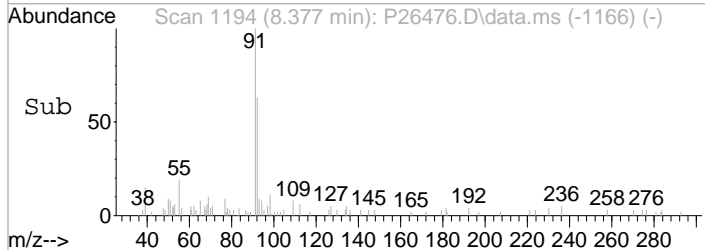
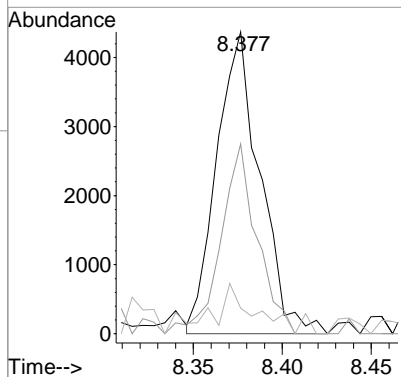
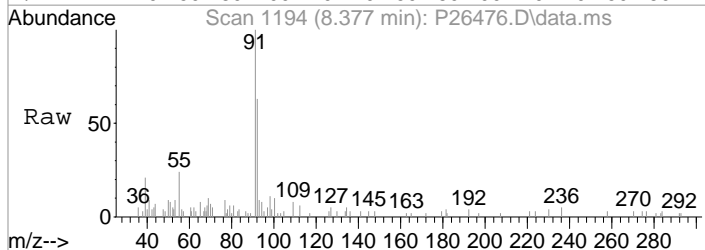
#55
 Methylcyclohexane
 Concen: 5.12 ppb
 RT: 7.029 min Scan# 973
 Delta R.T. -0.024 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

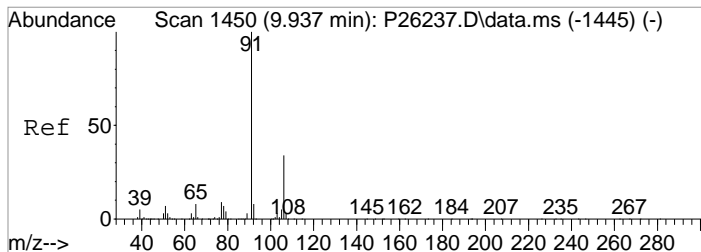
Tgt Ion	Resp	Lower	Upper
55	100		
83	40.9	120.3	160.3#
98	14.9	47.5	87.5#



#66
 Toluene
 Concen: 0.48 ppb
 RT: 8.377 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

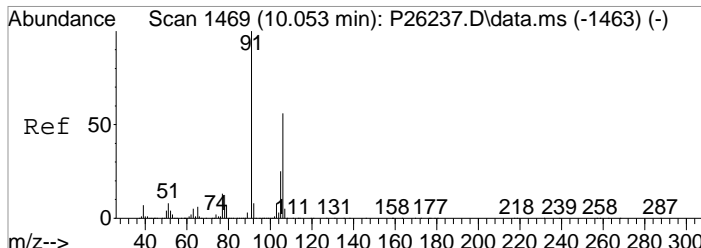
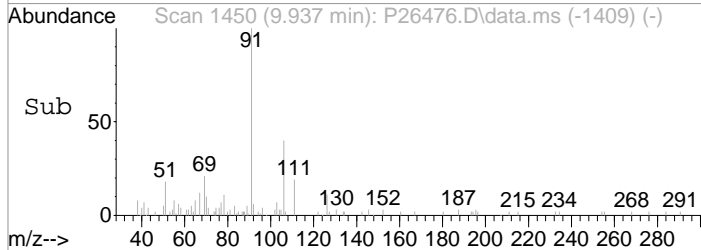
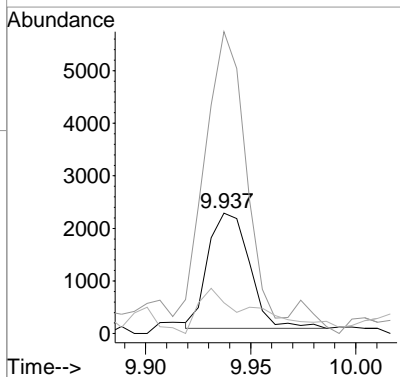
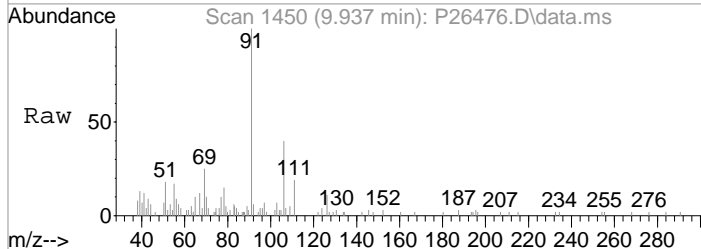
Tgt Ion	Resp	Lower	Upper
91	100		
92	62.9	39.4	79.4
65	8.5	0.0	30.4





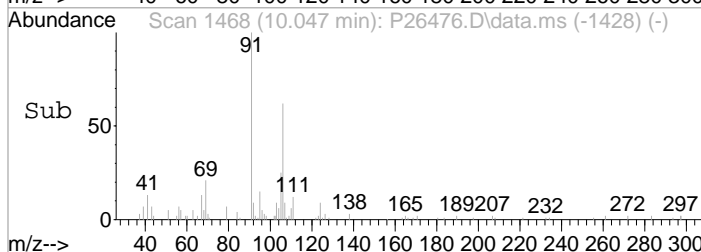
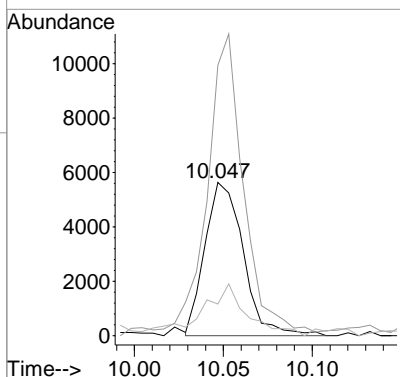
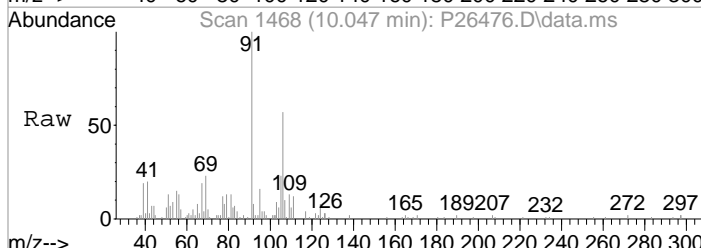
#82
 Ethylbenzene
 Concen: 0.55 ppb
 RT: 9.937 min Scan# 1450
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

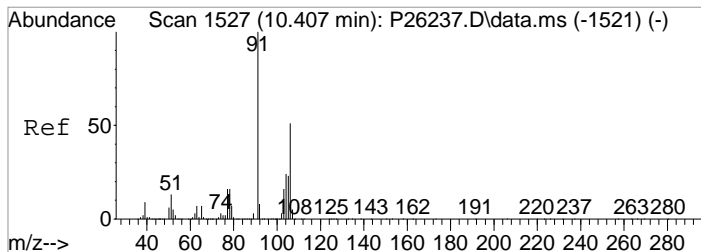
Tgt Ion	Resp	Lower	Upper
106	3028		
106	100		
91	251.0	270.5	310.5#
65	25.6	3.3	43.3



#83
 (m+p)Xylene
 Concen: 1.24 ppb
 RT: 10.047 min Scan# 1468
 Delta R.T. -0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

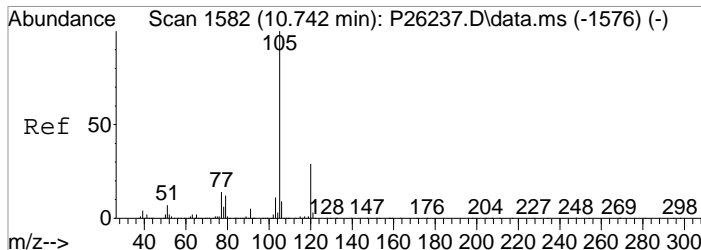
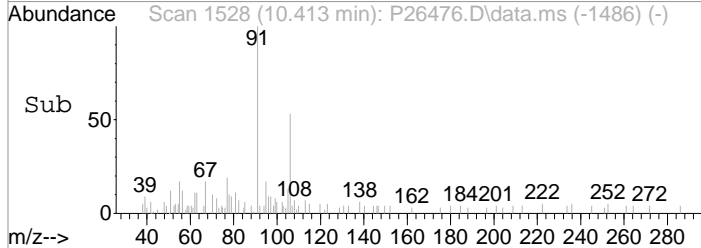
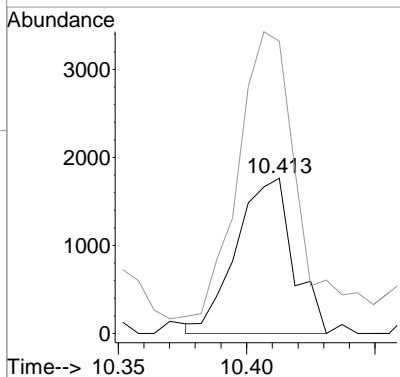
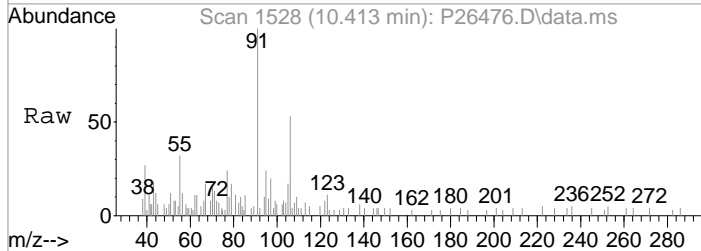
Tgt Ion	Resp	Lower	Upper
106	8501		
106	100		
91	176.3	160.1	200.1
77	20.7	4.0	44.0





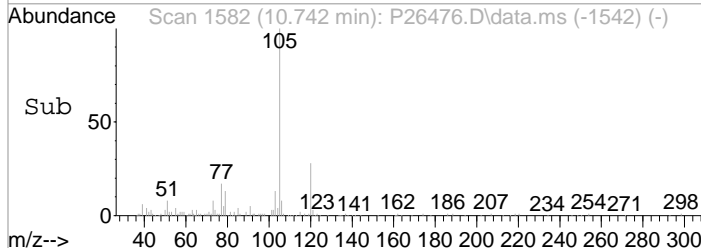
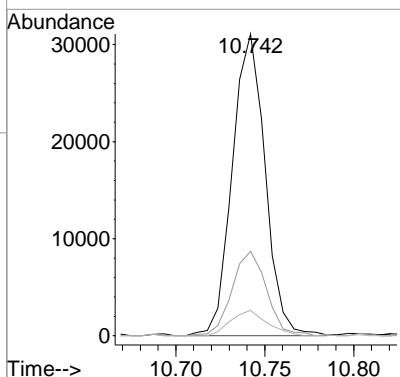
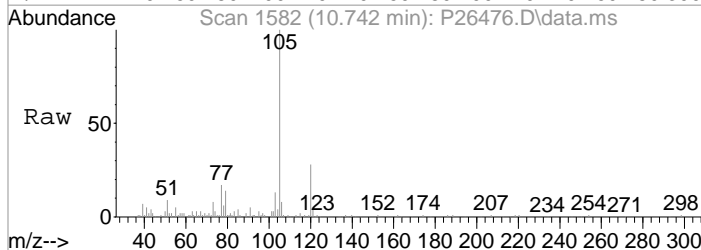
#84
 o-Xylene
 Concen: 0.39 ppb
 RT: 10.413 min Scan# 1528
 Delta R.T. 0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

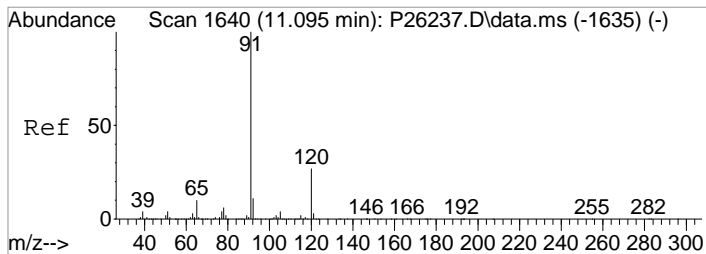
Tgt Ion	Resp	Lower	Upper
106	2713		
91	188.0	175.8	215.8



#89
 Isopropylbenzene
 Concen: 2.49 ppb
 RT: 10.742 min Scan# 1582
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

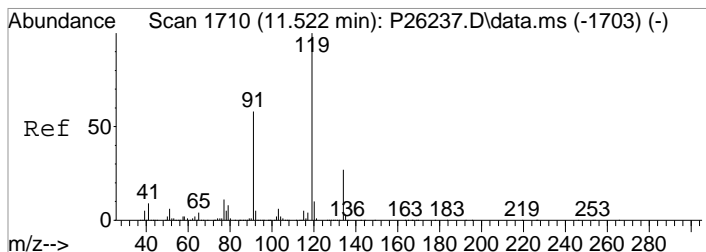
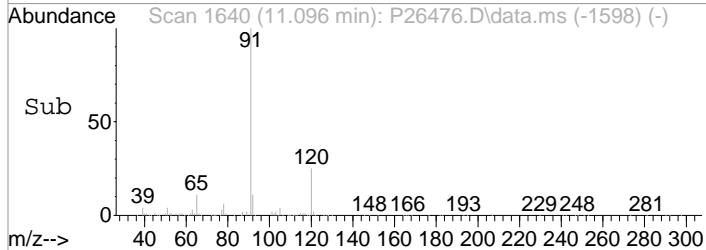
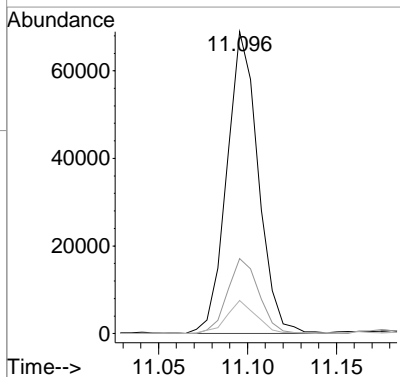
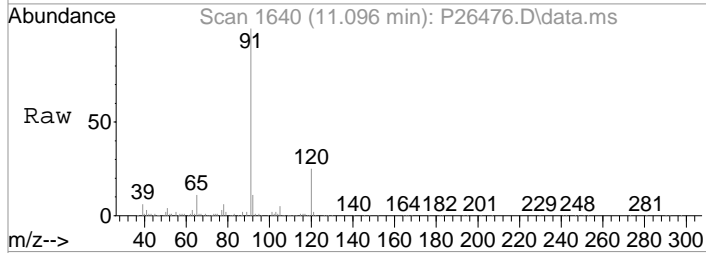
Tgt Ion	Resp	Lower	Upper
105	39872		
120	28.0	8.9	48.9
106	8.4	0.0	29.0





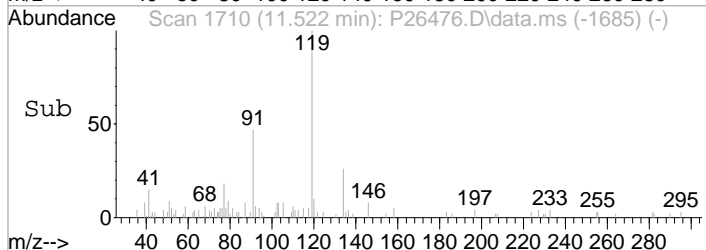
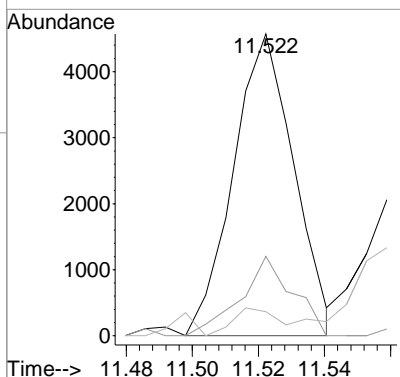
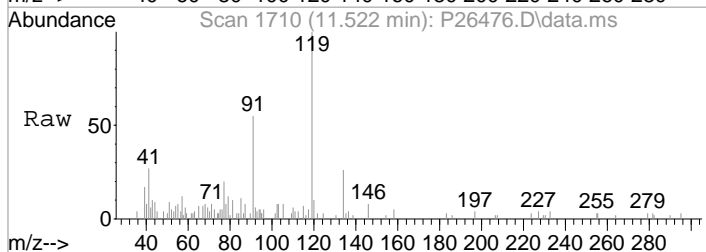
#95
 n-Propylbenzene
 Concen: 4.88 ppb
 RT: 11.096 min Scan# 1640
 Delta R.T. -0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

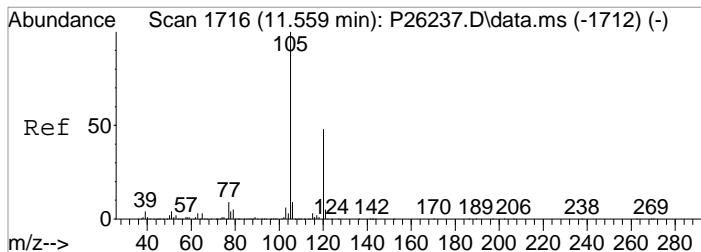
Tgt Ion	Resp	Lower	Upper
91	100		
120	24.8	6.9	46.9
65	11.0	0.0	29.8



#100
 tert-Butylbenzene
 Concen: 0.48 ppb
 RT: 11.522 min Scan# 1710
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

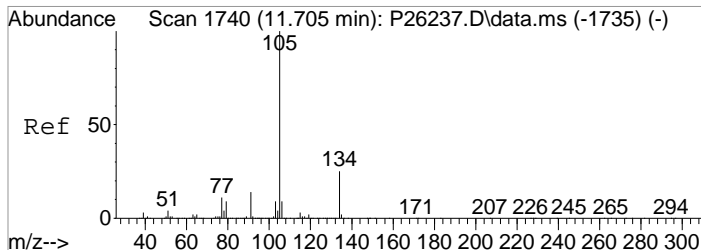
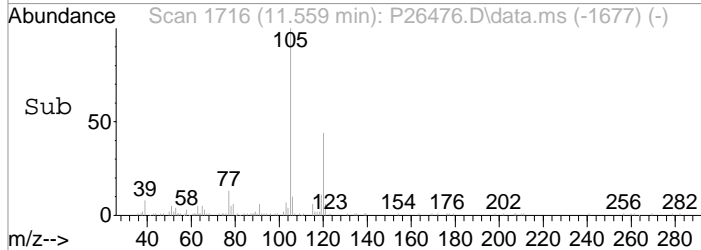
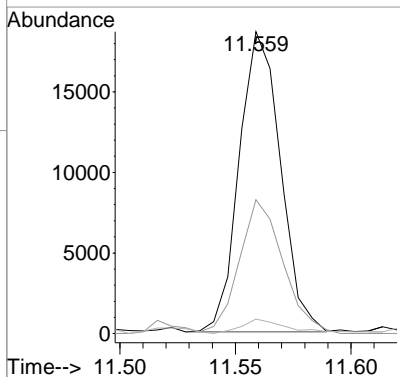
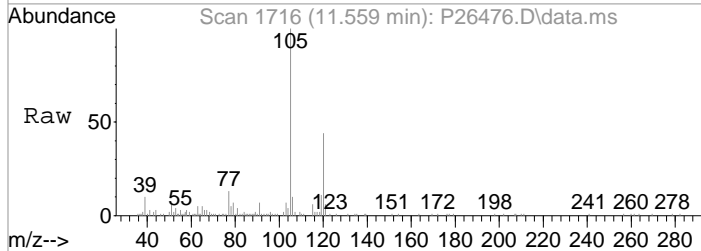
Tgt Ion	Resp	Lower	Upper
119	100		
134	26.3	6.9	46.9
103	8.0	0.0	26.4





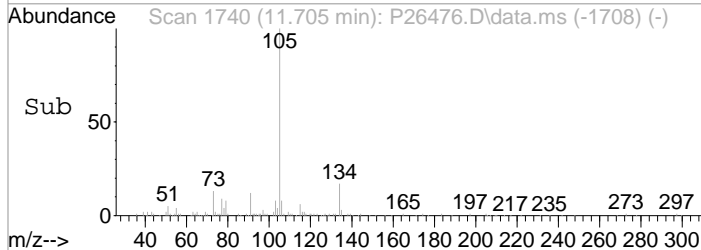
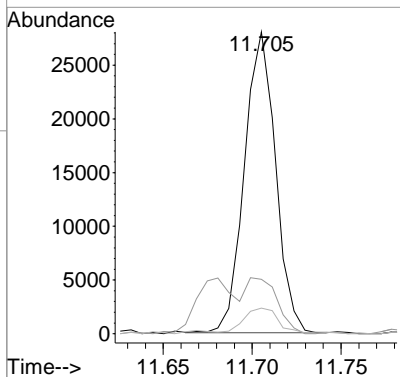
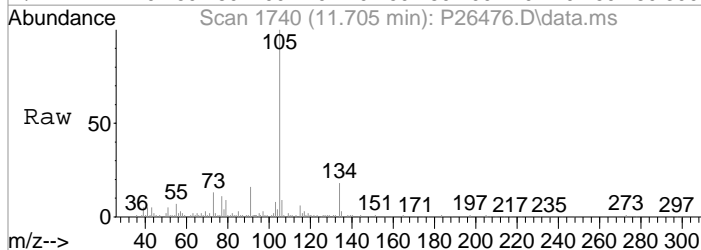
#101
 1,2,4-Trimethylbenzene
 Concen: 1.73 ppb
 RT: 11.559 min Scan# 1716
 Delta R.T. -0.006 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

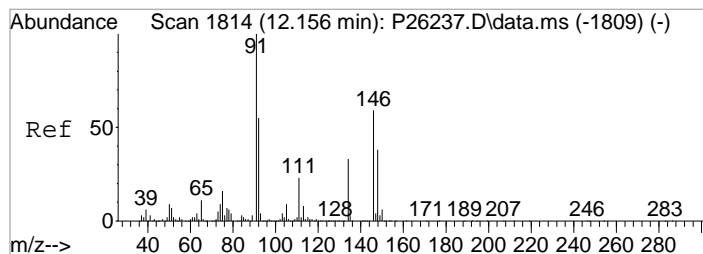
Tgt Ion	Ion	Resp	Lower	Upper
105	100			
120	44.3	30.0	70.0	
65	4.8	0.0	23.7	



#103
 sec-Butylbenzene
 Concen: 1.98 ppb
 RT: 11.705 min Scan# 1740
 Delta R.T. 0.000 min
 Lab File: P26476.D
 Acq: 7 May 2019 4:31 pm

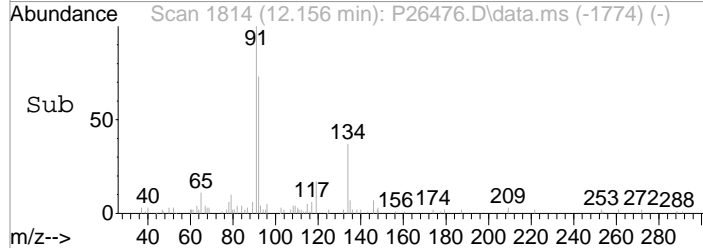
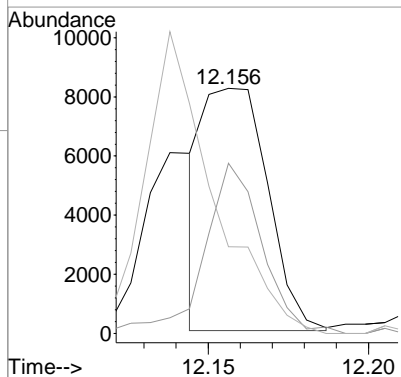
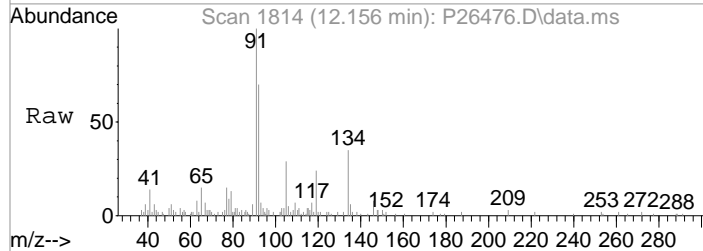
Tgt Ion	Ion	Resp	Lower	Upper
105	100			
134	18.1	5.2	45.2	
103	8.5	0.0	28.8	





#109
n-Butylbenzene
Concen: 0.92 ppb m
RT: 12.156 min Scan# 1814
Delta R.T. -0.006 min
Lab File: P26476.D
Acq: 7 May 2019 4:31 pm

Tgt Ion	Resp	Lower	Upper
91	11456		
92	69.5	35.0	75.0
134	35.5	12.5	52.5



Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0954.D
 Acq On : 8 May 2019 2:43 pm
 Operator : D.LIPANI
 Sample : R1903954-016|5.0 Inst : MSVOA10
 Misc : Day 19396 T4
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 12 10:59:26 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

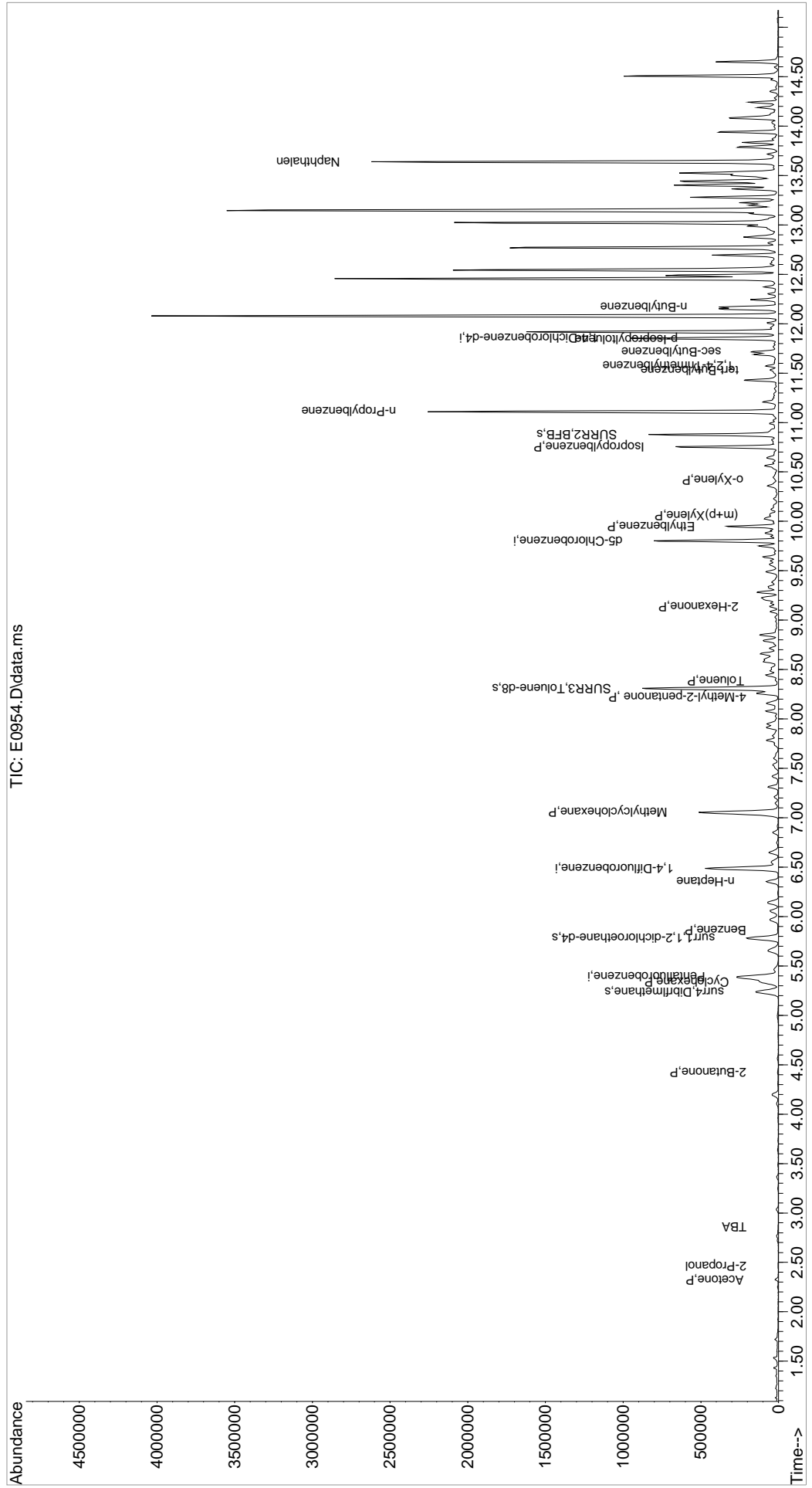
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	240233	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	383758	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	330707	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	168115	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	120133	47.79	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	95.58%		
46) surr1,1,2-dichloroetha...	5.781	65	176291	49.73	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	99.46%		
64) SURR3,Toluene-d8	8.311	98	513531	49.36	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	98.72%		
69) SURR2,BFB	10.878	95	191636	47.60	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	95.20%		
Target Compounds						
						Qvalue
5) Bromomethane	1.587	94	427	Below Cal	#	54
15) Acetone	2.325	43	20564	12.03	ug/L	90
16) 2-Propanol	2.465	45	1625	4.56	ug/L	95
23) TBA	2.861	59	1027	1.92	ug/L	78
34) 2-Butanone	4.422	43	7706	3.53	ug/L	89
42) Cyclohexane	5.336	41	49494	14.41	ug/L	90
47) Benzene	5.867	78	3615	0.31	ug/L	81
51) n-Heptane	6.354	43	37566	8.57	ug/L	87
54) Methylcyclohexane	7.055	55	194321	47.12	ug/L	97
63) 4-Methyl-2-pentanone	8.220	43	1501	0.36	ug/L	98
65) Toluene	8.384	91	2904	0.23	ug/L	99
72) 2-Hexanone	9.134	43	1853	0.58	ug/L	# 69
81) Ethylbenzene	9.951	106	52506	13.44	ug/L	# 87
82) (m+p)Xylene	10.061	106	3623	0.72	ug/L	# 82
83) o-Xylene	10.420	106	1270	0.26	ug/L	95
87) Isopropylbenzene	10.756	105	324412	25.61	ug/L	100
94) n-Propylbenzene	11.109	91	1324904	88.88	ug/L	99
99) tert-Butylbenzene	11.530	119	6220	0.72	ug/L	87
100) 1,2,4-Trimethylbenzene	11.573	105	24093	2.38	ug/L	95
102) sec-Butylbenzene	11.719	105	70065	5.38	ug/L	98
103) p-Isopropyltoluene	11.841	119	5456	0.51	ug/L	84
108) n-Butylbenzene	12.170	91	170566	16.13	ug/L	97
116) Naphthalen	13.639	128	1449698	129.45	ug/L	99

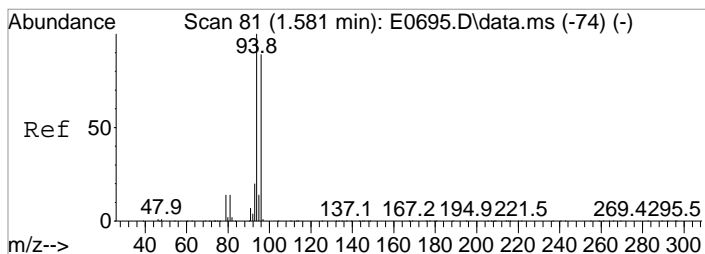
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\050819\
 Data File : E0954.D
 Acq On : 8 May 2019 2:43 pm
 Operator : D.LIPANI
 Sample : R1903954-016|5.0
 Misc : Day 19396 T4
 ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA10

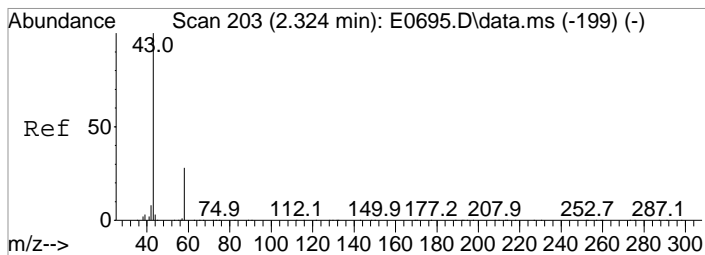
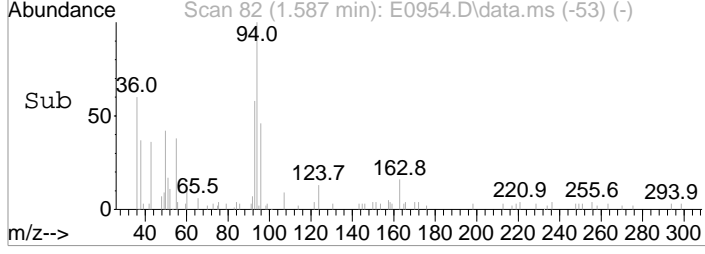
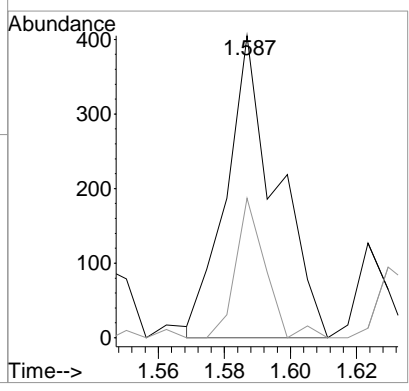
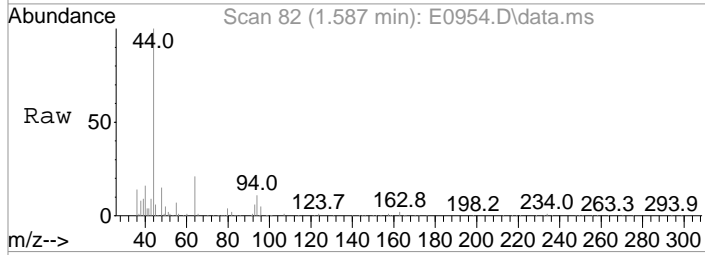
Quant Time: May 12 10:59:26 2019
 Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration





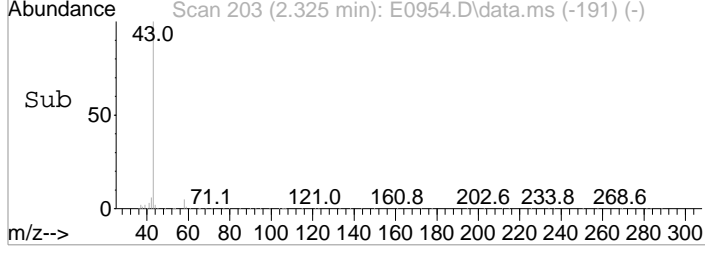
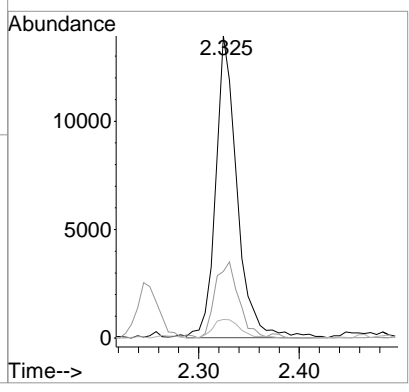
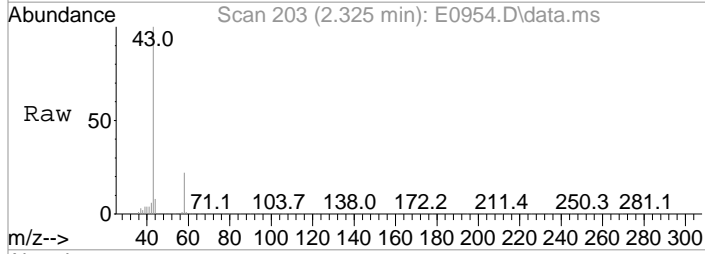
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.013 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

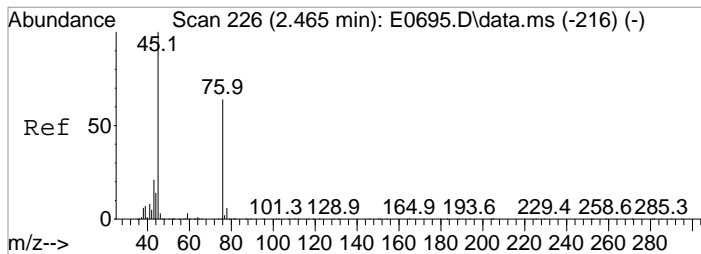
Tgt Ion	Resp	Lower	Upper
94	100		
96	46.2	69.0	109.0#



#15
 Acetone
 Concen: 12.03 ug/L
 RT: 2.325 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

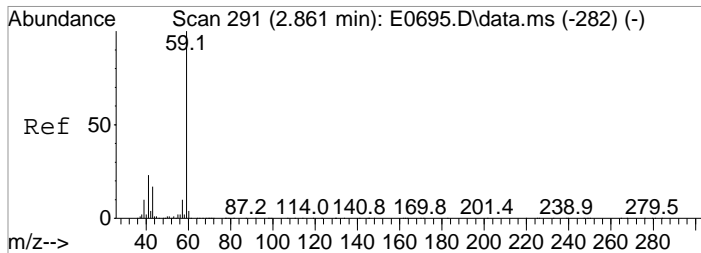
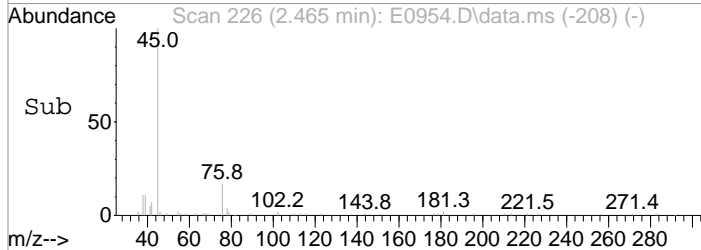
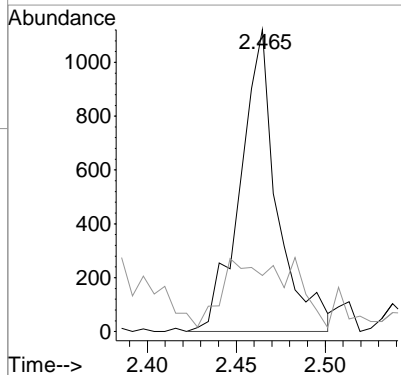
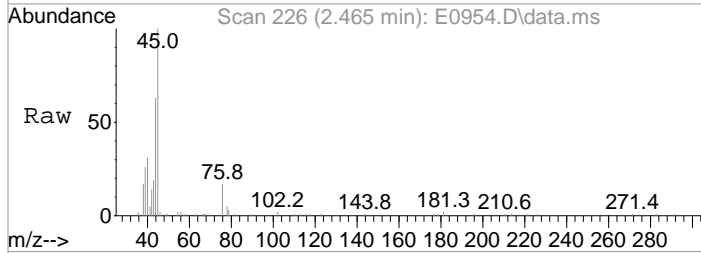
Tgt Ion	Resp	Lower	Upper
43	100		
58	22.0	7.8	47.8
42	6.1	0.0	27.8





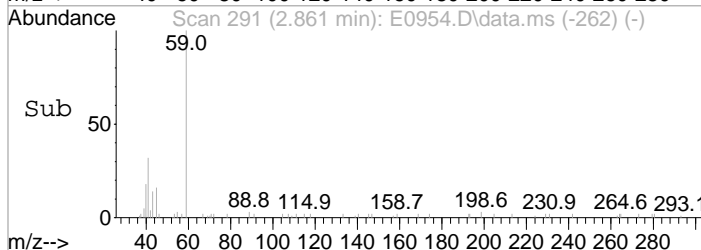
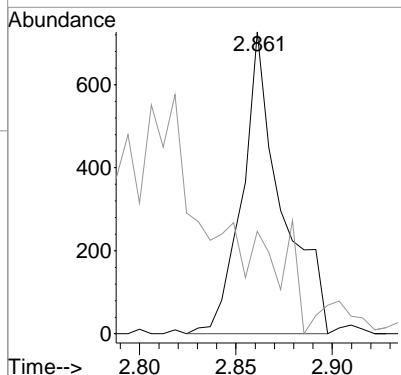
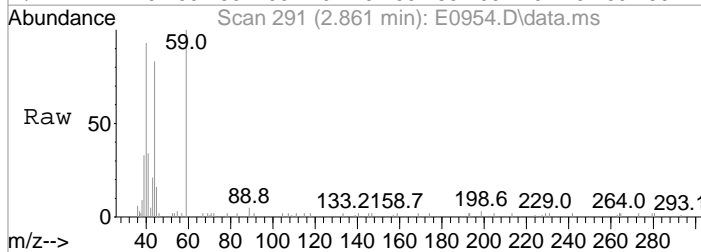
#16
 2-Propanol
 Concen: 4.56 ug/L
 RT: 2.465 min Scan# 226
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

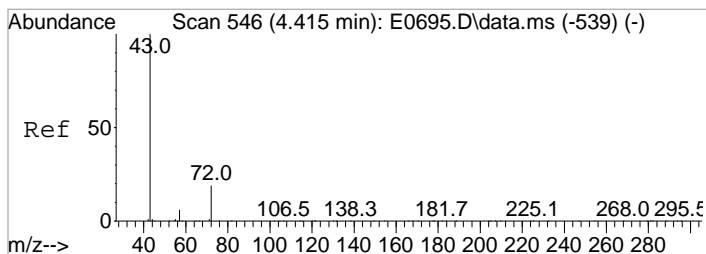
Tgt Ion: 45 Resp: 1625
 Ion Ratio Lower Upper
 45 100
 43 18.6 0.9 40.9



#23
 TBA
 Concen: 1.92 ug/L
 RT: 2.861 min Scan# 291
 Delta R.T. -0.012 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

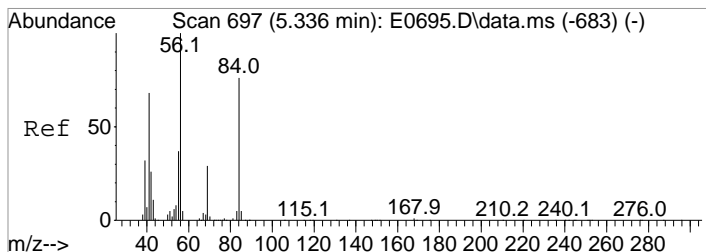
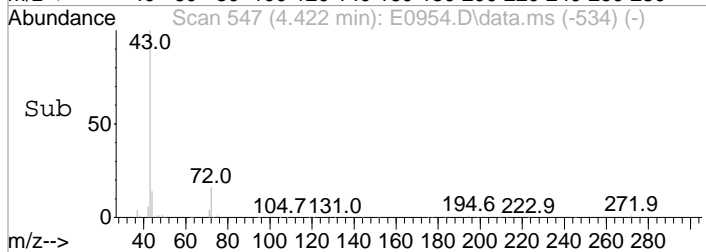
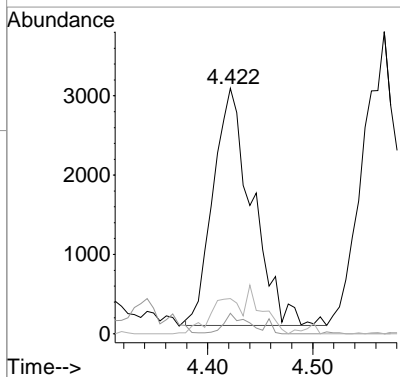
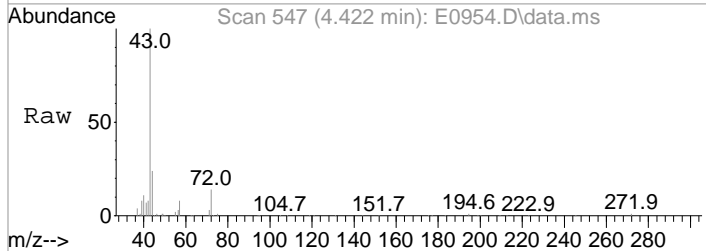
Tgt Ion: 59 Resp: 1027
 Ion Ratio Lower Upper
 59 100
 41 34.0 3.1 43.1





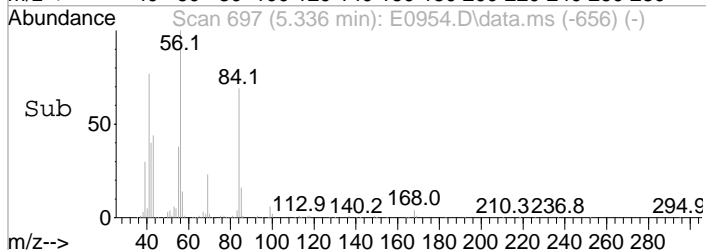
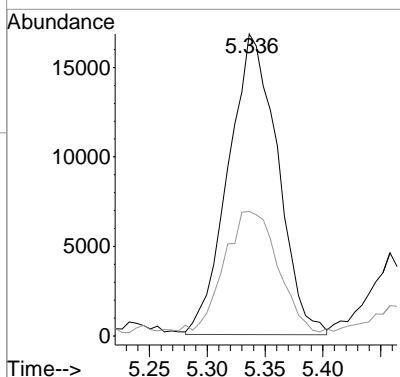
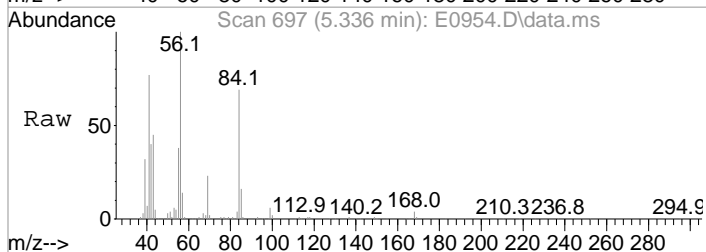
#34
 2-Butanone
 Concen: 3.53 ug/L
 RT: 4.422 min Scan# 547
 Delta R.T. 0.006 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

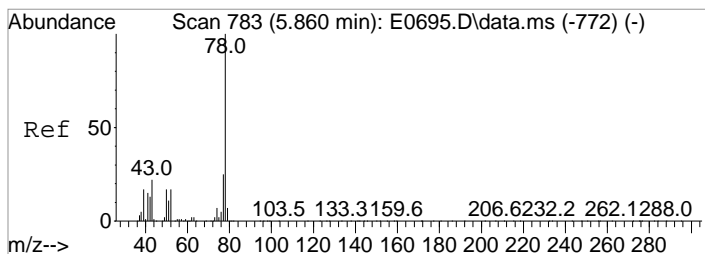
Tgt Ion	Resp	Lower	Upper
43	100		
57	8.3	0.0	25.7
72	14.4	0.0	40.0



#42
 Cyclohexane
 Concen: 14.41 ug/L
 RT: 5.336 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

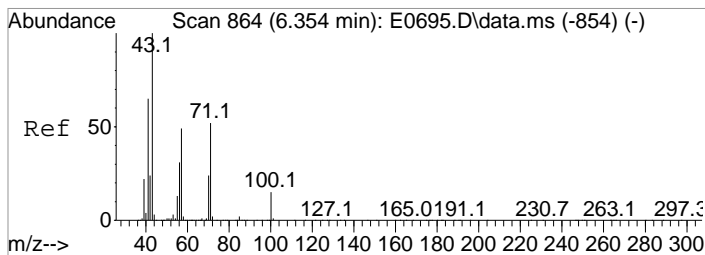
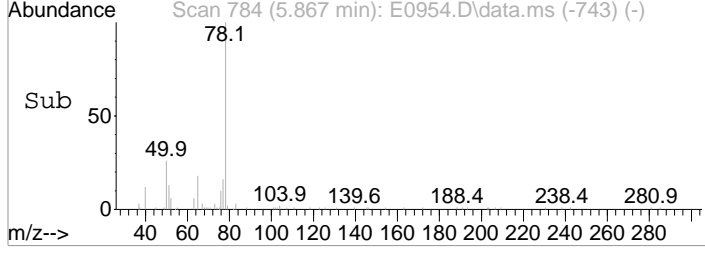
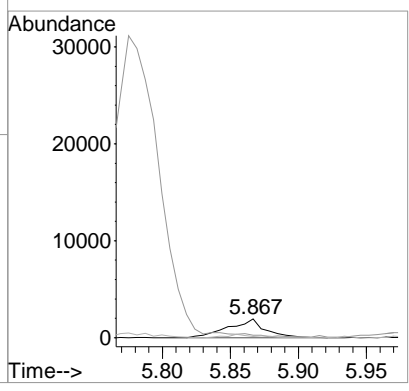
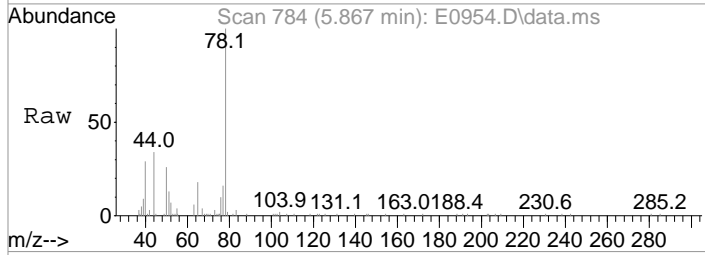
Tgt Ion	Resp	Lower	Upper
41	100		
39	41.2	28.2	68.2





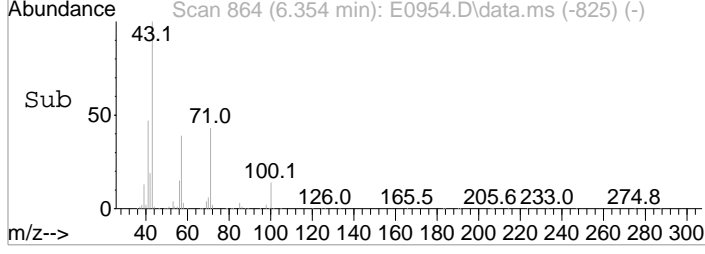
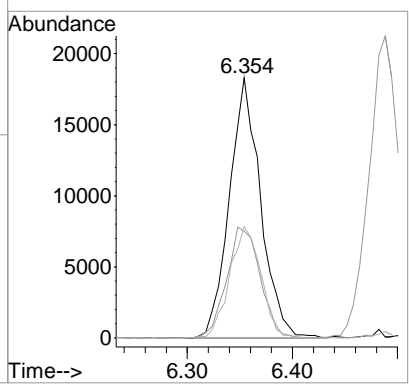
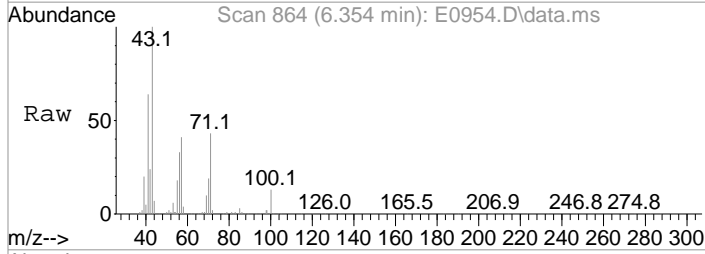
#47
 Benzene
 Concen: 0.31 ug/L
 RT: 5.867 min Scan# 784
 Delta R.T. 0.006 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

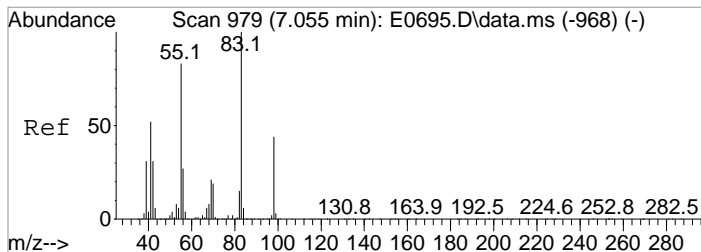
Tgt Ion	Resp	Lower	Upper
78	100		
51	12.9	0.0	39.7
52	6.8	0.0	37.1



#51
 n-Heptane
 Concen: 8.57 ug/L
 RT: 6.354 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

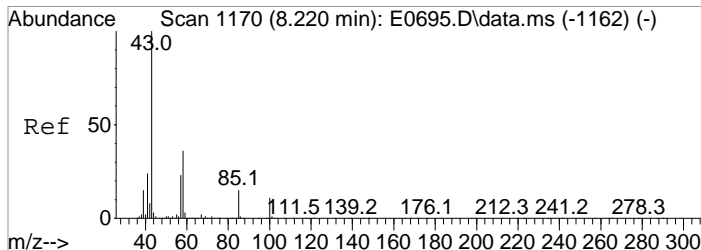
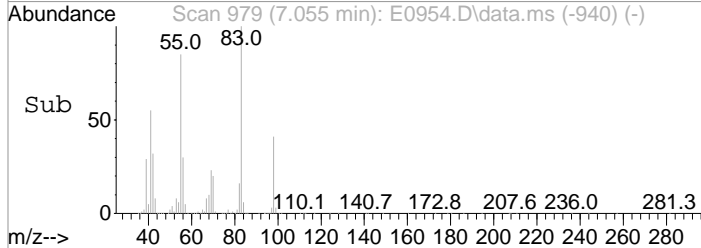
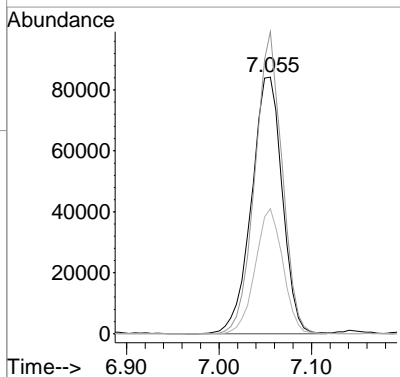
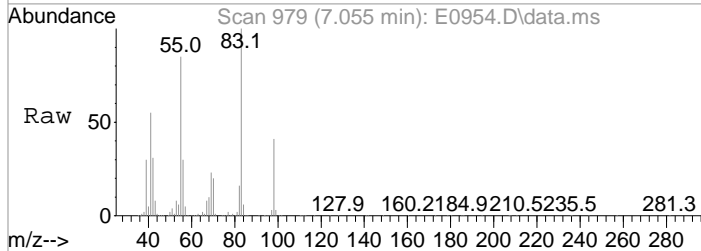
Tgt Ion	Resp	Lower	Upper
43	100		
57	41.1	29.2	69.2
71	42.8	32.4	72.4





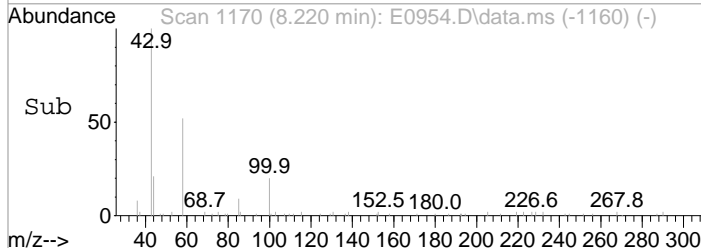
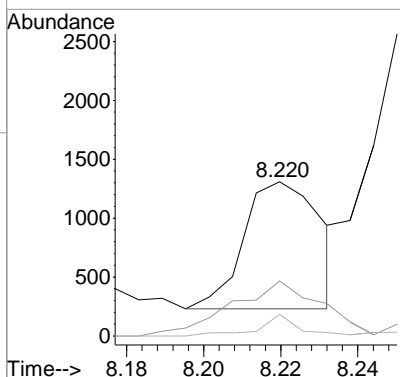
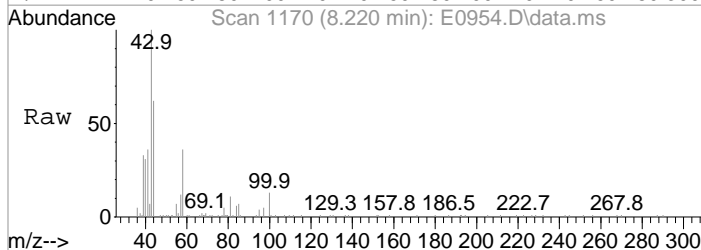
#54
 Methylcyclohexane
 Concen: 47.12 ug/L
 RT: 7.055 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

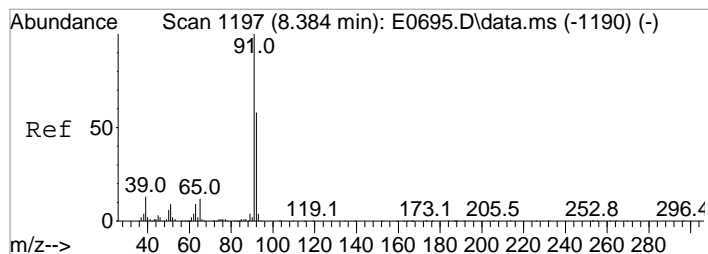
Tgt Ion	Resp	Lower	Upper
55	194321		
55	100		
83	117.7	99.7	139.7
98	48.8	32.6	72.6



#63
 4-Methyl-2-pentanone
 Concen: 0.36 ug/L
 RT: 8.220 min Scan# 1170
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

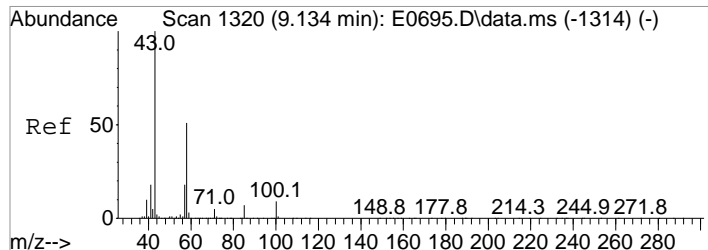
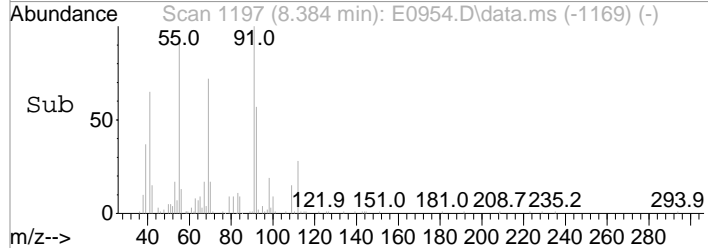
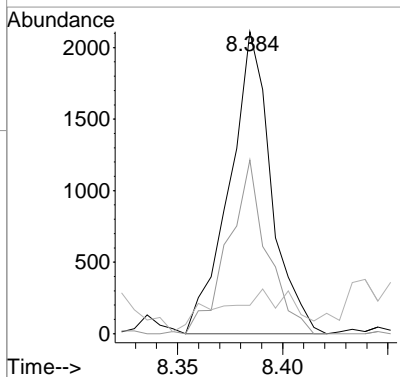
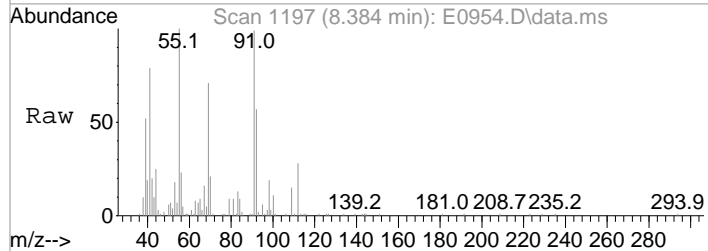
Tgt Ion	Resp	Lower	Upper
43	1501		
43	100		
58	35.7	15.9	55.9
100	14.1	0.0	31.3





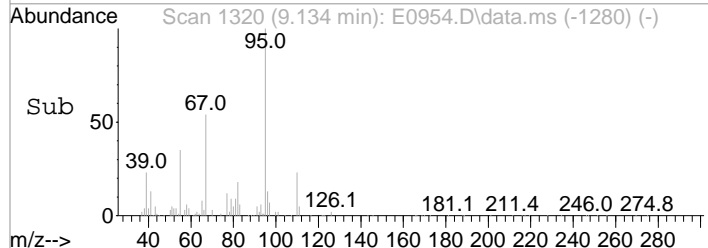
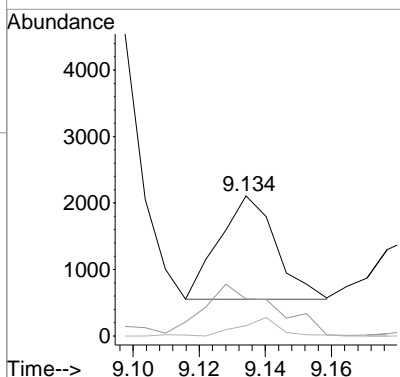
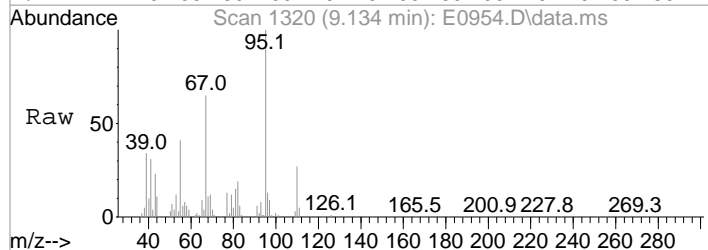
#65
 Toluene
 Concen: 0.23 ug/L
 RT: 8.384 min Scan# 1197
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

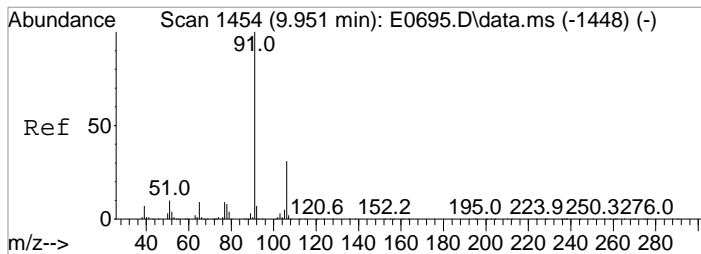
Tgt Ion	Resp	Lower	Upper
91	100		
92	57.5	37.5	77.5
65	9.4	0.0	32.1



#72
 2-Hexanone
 Concen: 0.58 ug/L
 RT: 9.134 min Scan# 1320
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

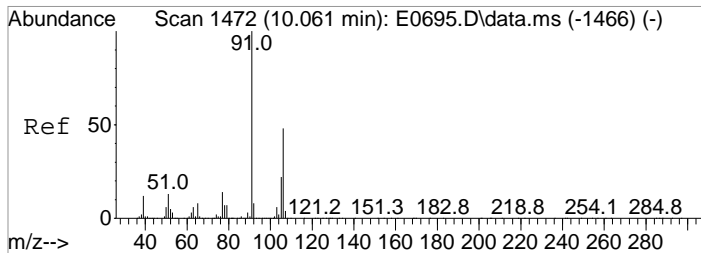
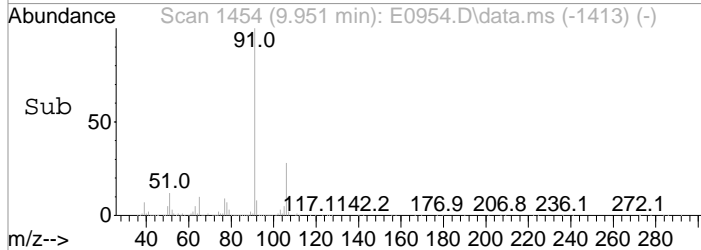
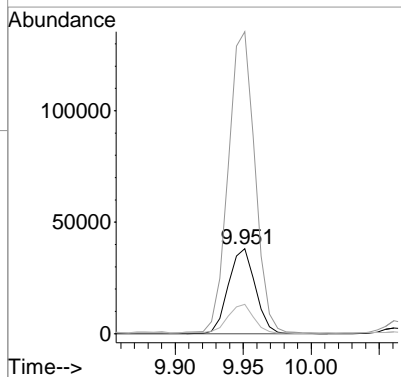
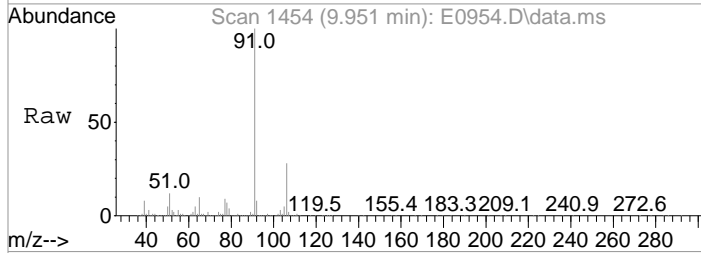
Tgt Ion	Resp	Lower	Upper
43	100		
58	26.4	30.9	70.9#
100	7.3	0.0	28.6





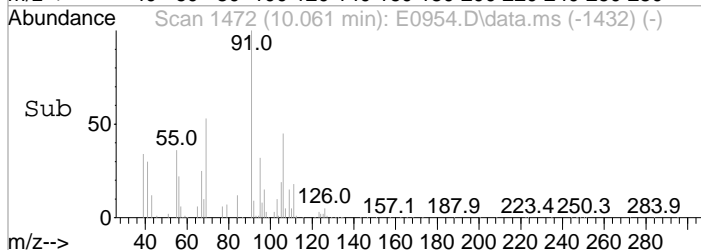
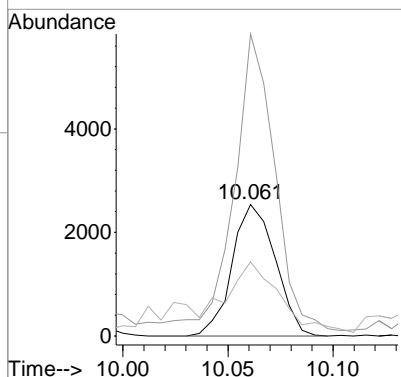
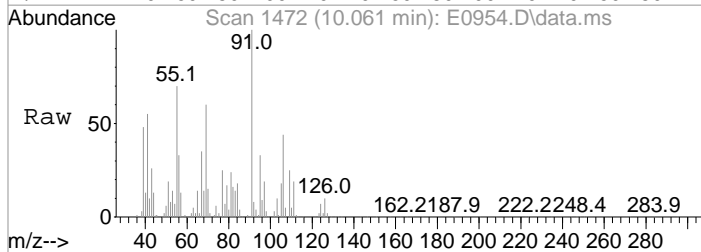
#81
 Ethylbenzene
 Concen: 13.44 ug/L
 RT: 9.951 min Scan# 1454
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

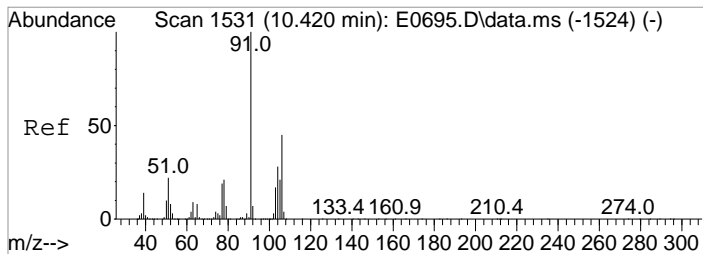
Tgt Ion	Resp	Lower	Upper
106	52506		
106	100		
91	355.1	307.4	347.4#
65	34.7	10.4	50.4



#82
 (m+p)Xylene
 Concen: 0.72 ug/L
 RT: 10.061 min Scan# 1472
 Delta R.T. -0.006 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

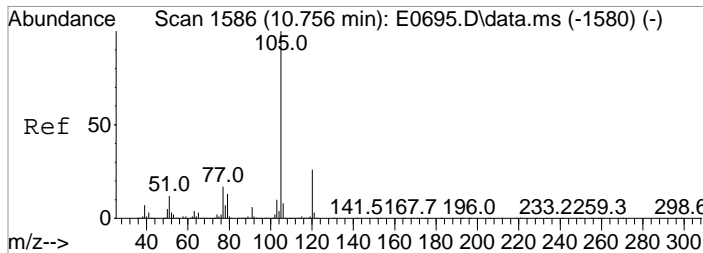
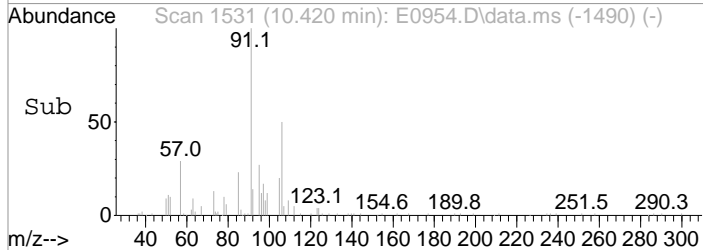
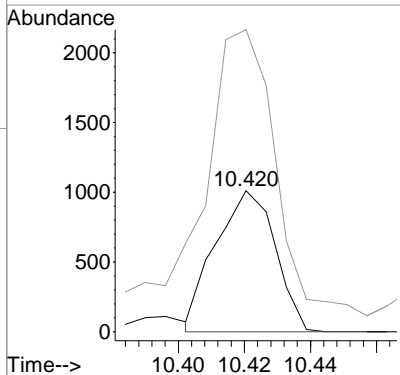
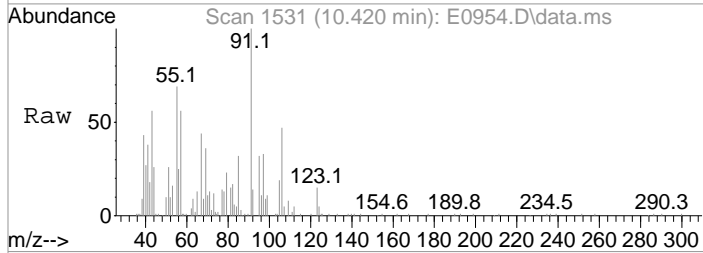
Tgt Ion	Resp	Lower	Upper
106	3623		
106	100		
91	229.6	189.1	229.1#
77	56.3	9.6	49.6#





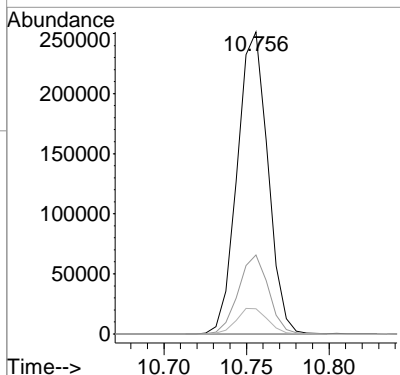
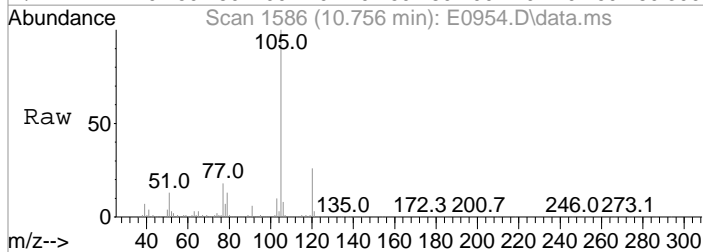
#83
 o-Xylene
 Concen: 0.26 ug/L
 RT: 10.420 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

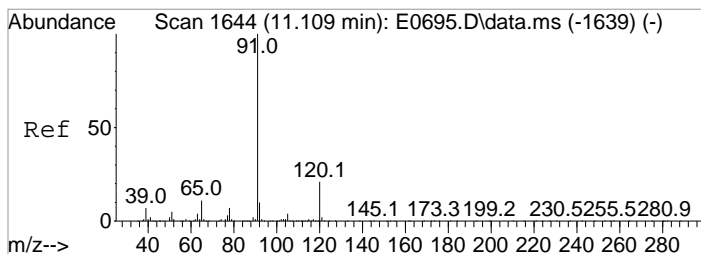
Tgt Ion	Resp	Lower	Upper
106	1270		
106	100		
91	214.0	201.3	241.3



#87
 Isopropylbenzene
 Concen: 25.61 ug/L
 RT: 10.756 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

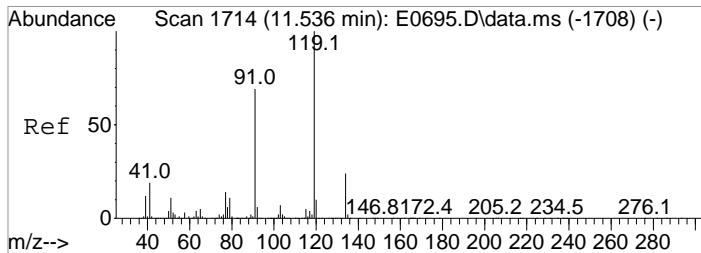
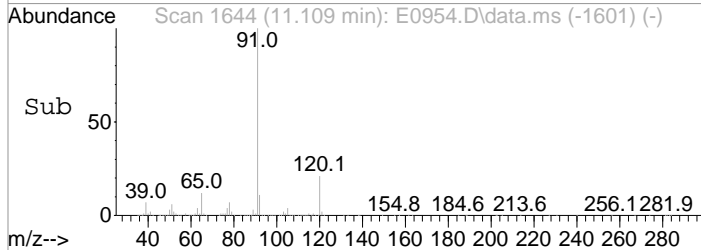
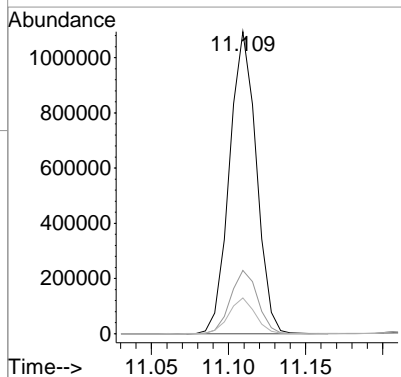
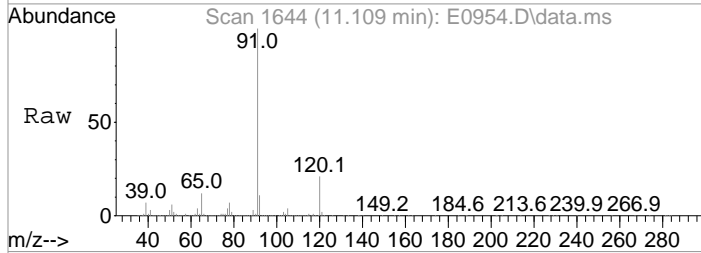
Tgt Ion	Resp	Lower	Upper
105	324412		
105	100		
120	26.1	6.2	46.2
106	8.3	0.0	28.3





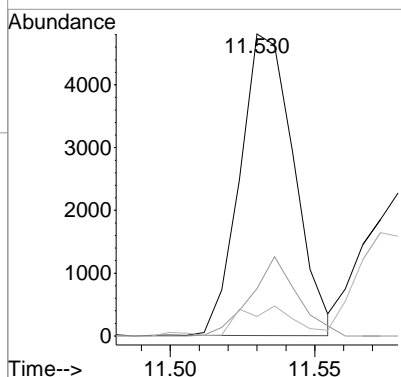
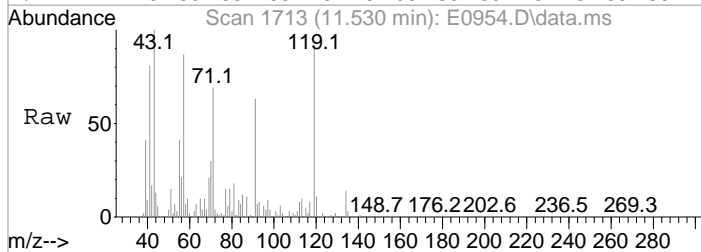
#94
 n-Propylbenzene
 Concen: 88.88 ug/L
 RT: 11.109 min Scan# 1644
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

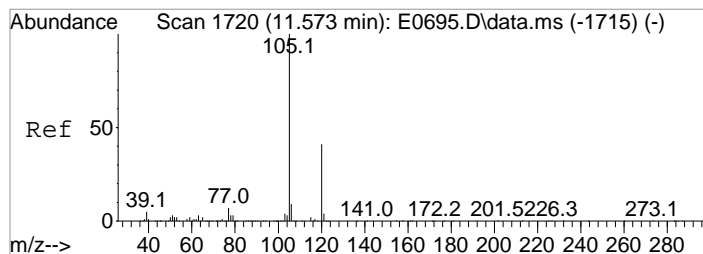
Tgt Ion	Resp	Lower	Upper
91	1324904		
120	20.9	1.3	41.3
65	11.8	0.0	31.0



#99
 tert-Butylbenzene
 Concen: 0.72 ug/L
 RT: 11.530 min Scan# 1713
 Delta R.T. -0.006 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

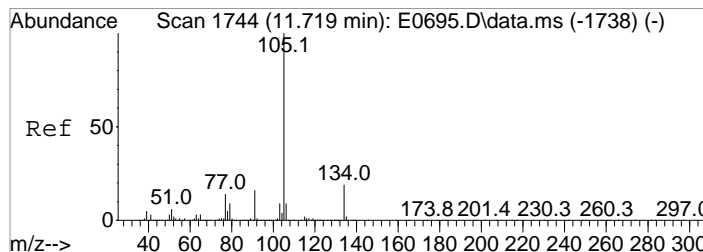
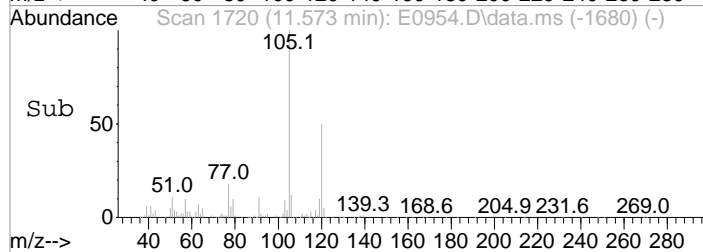
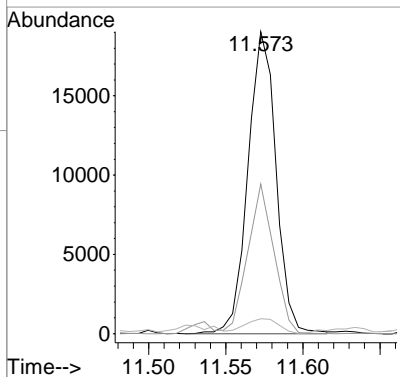
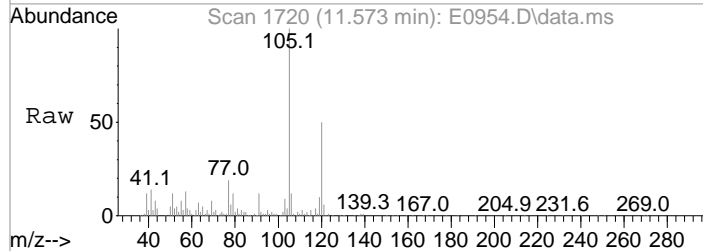
Tgt Ion	Resp	Lower	Upper
119	6220		
134	15.7	3.6	43.6
103	6.4	0.0	26.6





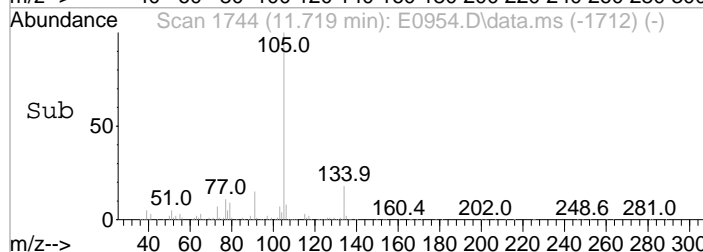
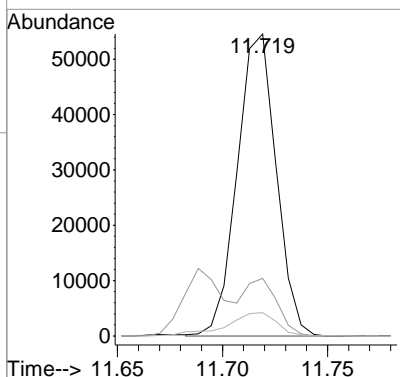
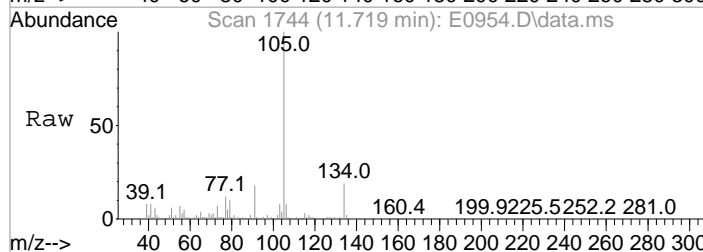
#100
 1,2,4-Trimethylbenzene
 Concen: 2.38 ug/L
 RT: 11.573 min Scan# 1720
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

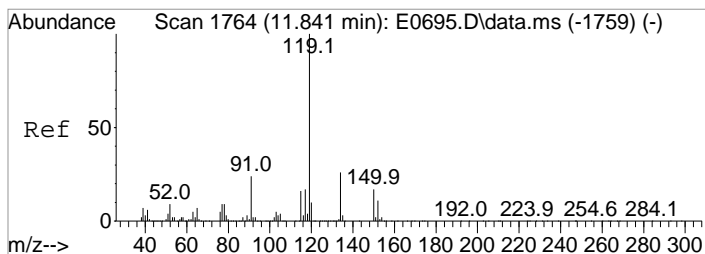
Tgt Ion	Resp	Lower	Upper
105	24093		
120	49.6	25.8	65.8
65	4.9	0.0	25.1



#102
 sec-Butylbenzene
 Concen: 5.38 ug/L
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

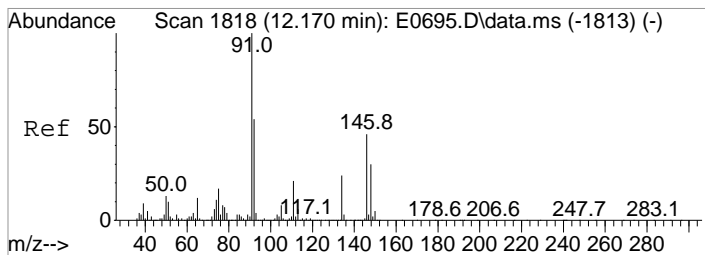
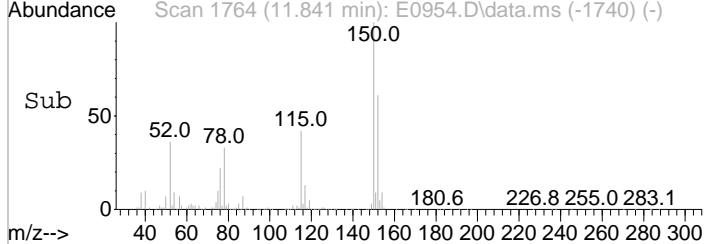
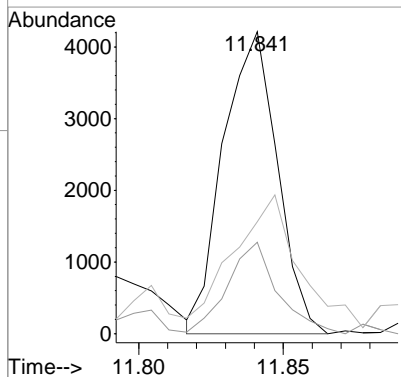
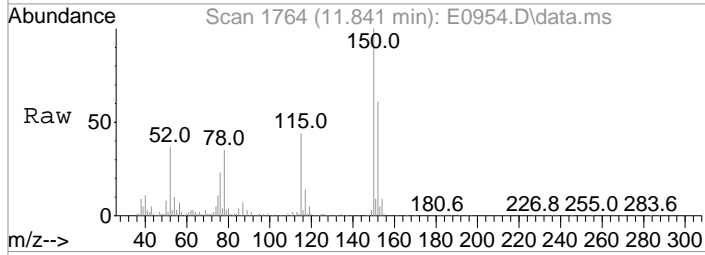
Tgt Ion	Resp	Lower	Upper
105	70065		
134	19.0	0.0	39.4
103	7.7	0.0	29.1





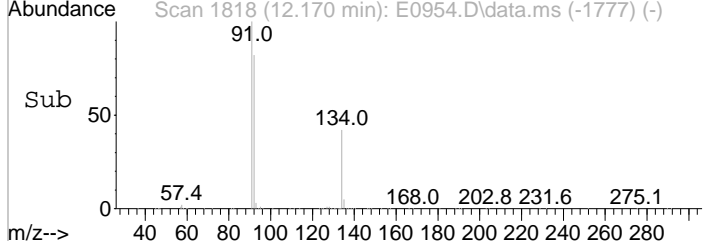
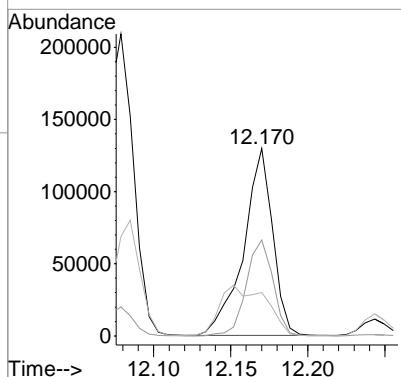
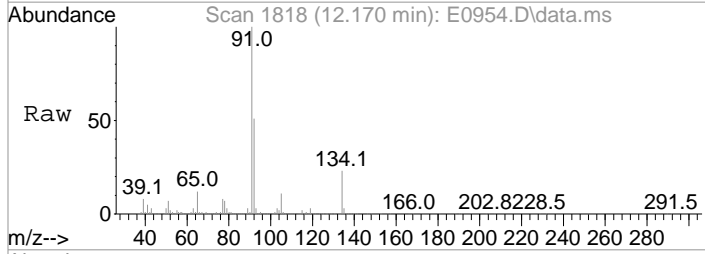
#103
 p-Isopropyltoluene
 Concen: 0.51 ug/L
 RT: 11.841 min Scan# 1764
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

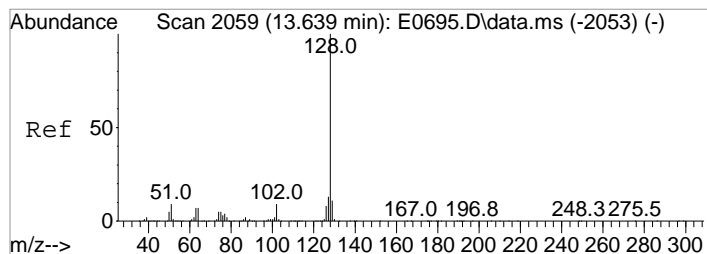
Tgt Ion	Resp	Lower	Upper
119	100		
134	30.3	6.4	46.4
91	37.1	4.4	44.4



#108
 n-Butylbenzene
 Concen: 16.13 ug/L
 RT: 12.170 min Scan# 1818
 Delta R.T. 0.000 min
 Lab File: E0954.D
 Acq: 8 May 2019 2:43 pm

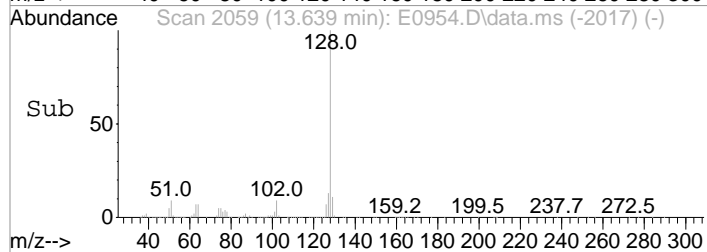
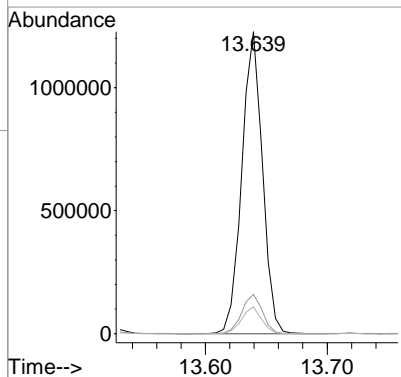
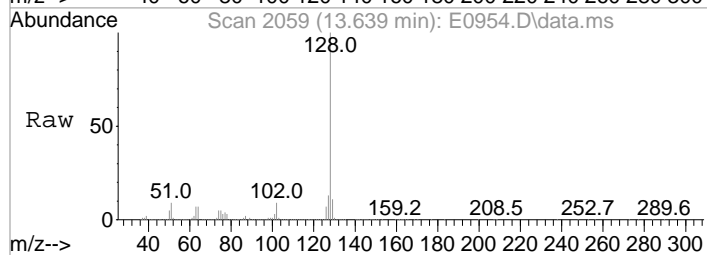
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.3	33.9	73.9
134	23.2	3.9	43.9





#116
Naphthalen
Concen: 129.45 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. 0.000 min
Lab File: E0954.D
Acq: 8 May 2019 2:43 pm

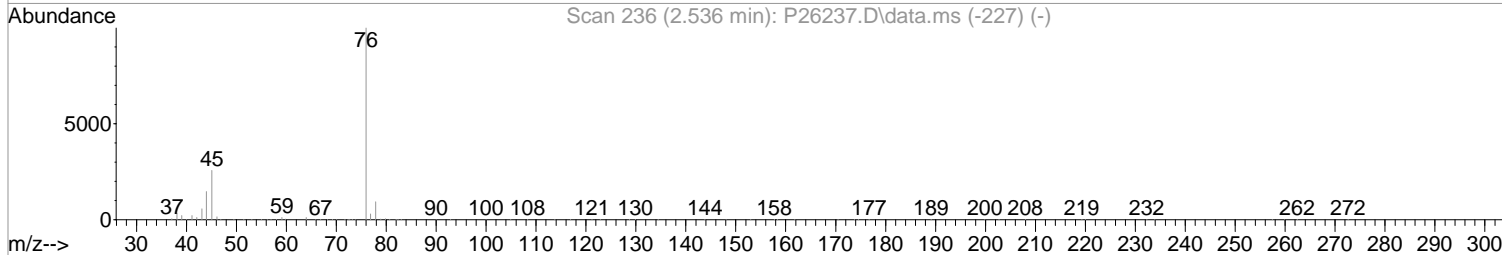
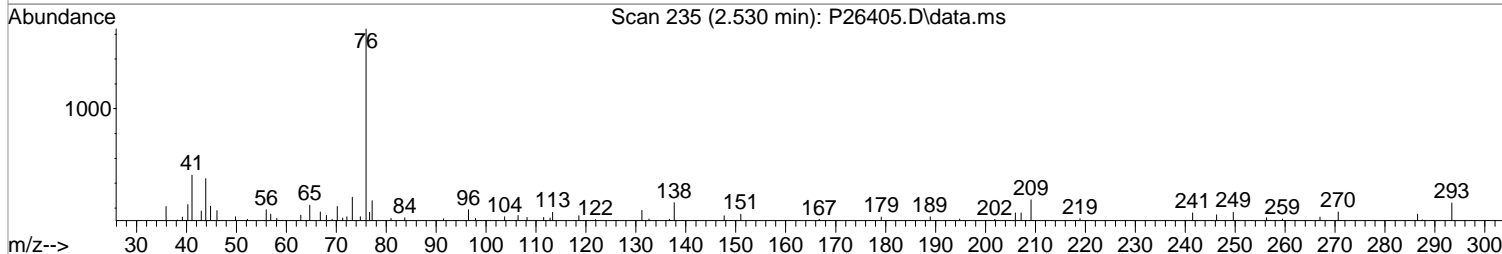
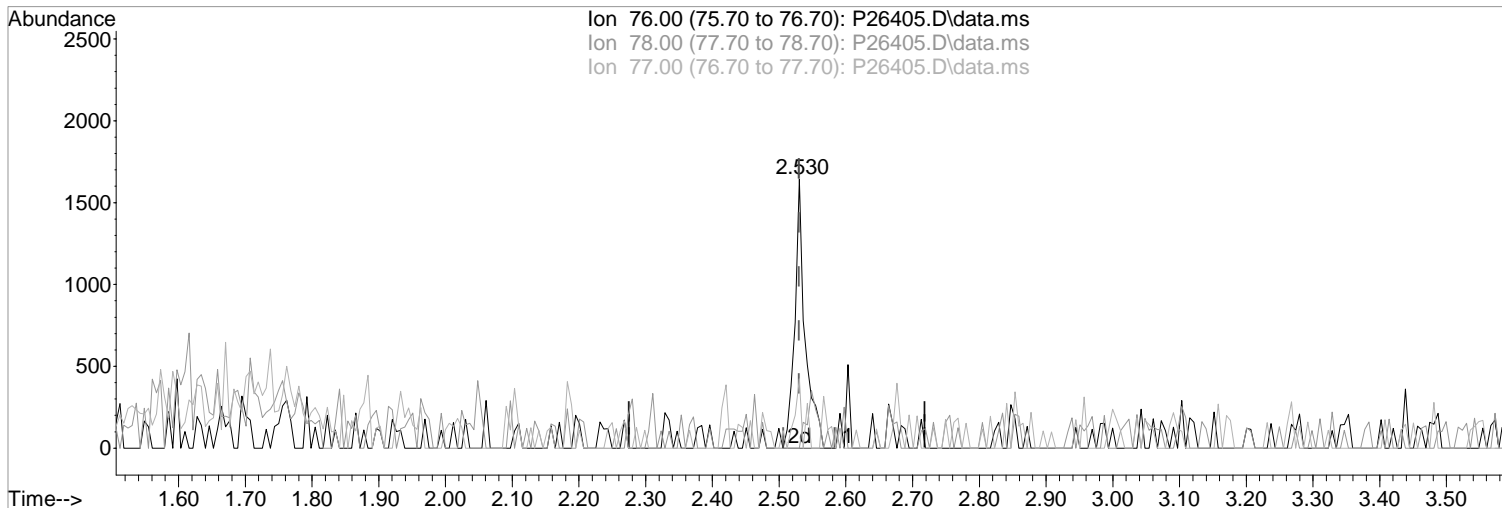
Tgt Ion	Resp	Lower	Upper
128	1449698		
127	13.0	0.0	33.4
102	8.8	0.0	28.9



Data Path : I:\ACQUDATA\msvoal2\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 13:23:05 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26405.D\data.ms

(18) Carbon Disulfide (P)
2.530min (+0.000) 0.26 ppb m
response 1798

Manual Integration:
After
Peak not found.

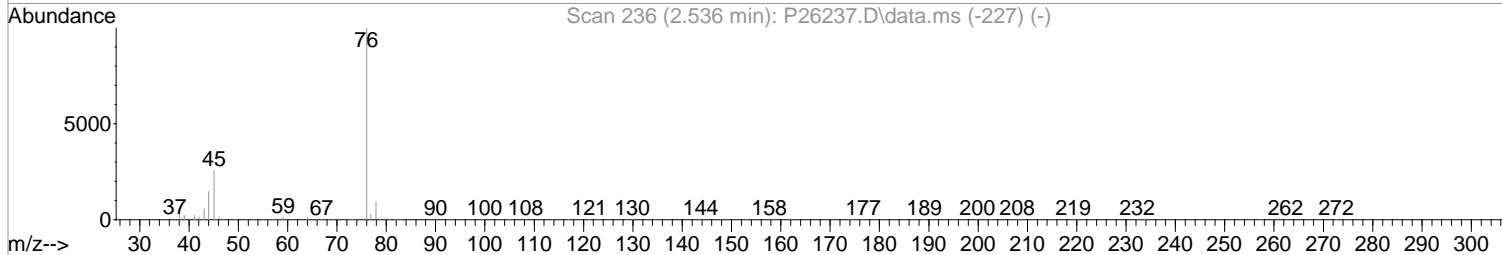
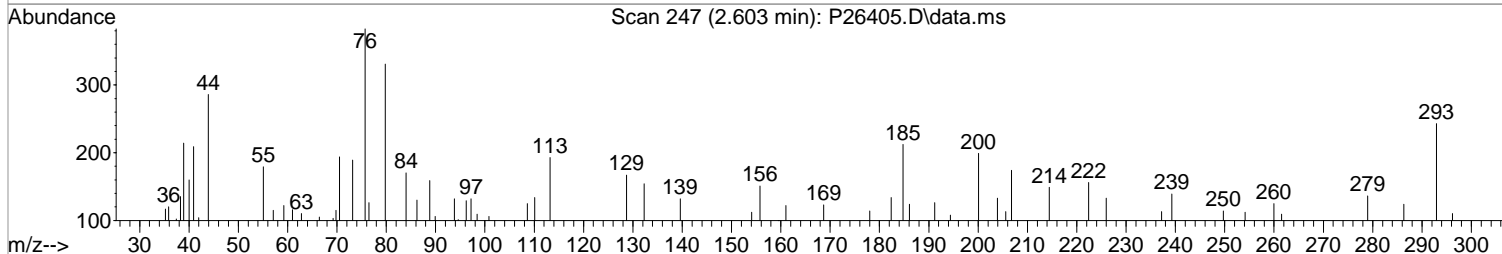
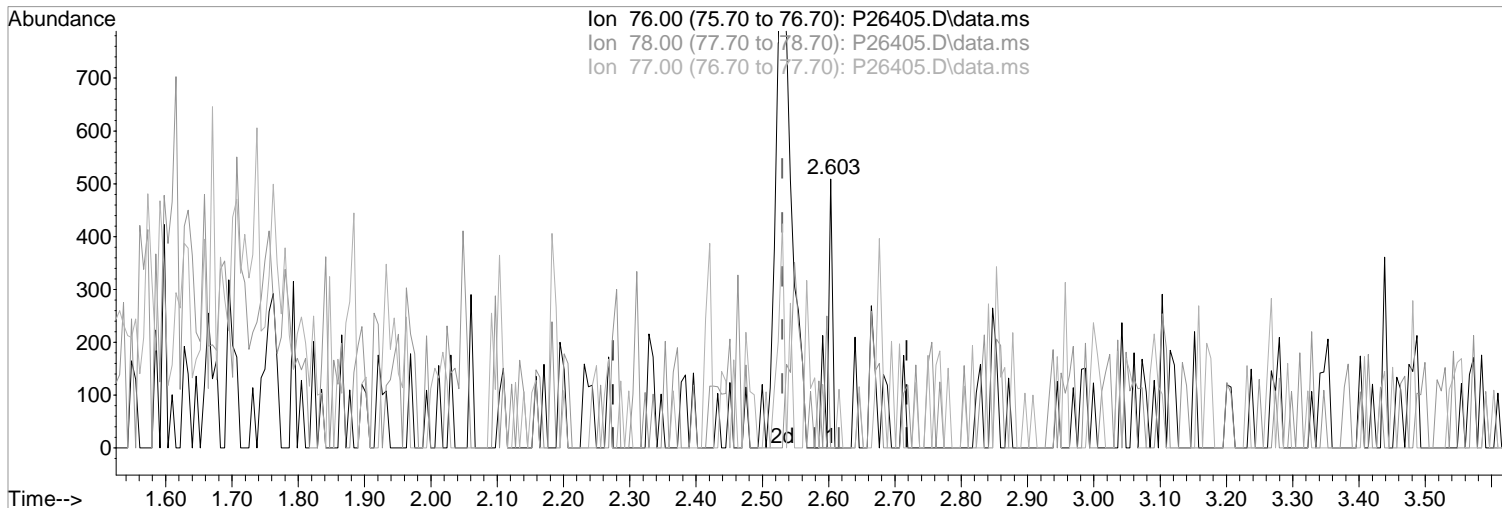
Ion	Exp%	Act%
76.00	100	100
78.00	9.30	0.00
77.00	2.90	15.75
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 13:23:05 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(18) Carbon Disulfide (P)
2.603min (+0.073) 0.04 ppb
response 264
Ion Exp% Act%
76.00 100 100
78.00 9.30 0.00
77.00 2.90 0.00
0.00 0.00 0.00

Manual Integration:
Before
05/06/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
 Data File : P26405.D
 Acq On : 6 May 2019 1:01 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 13:44:35 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

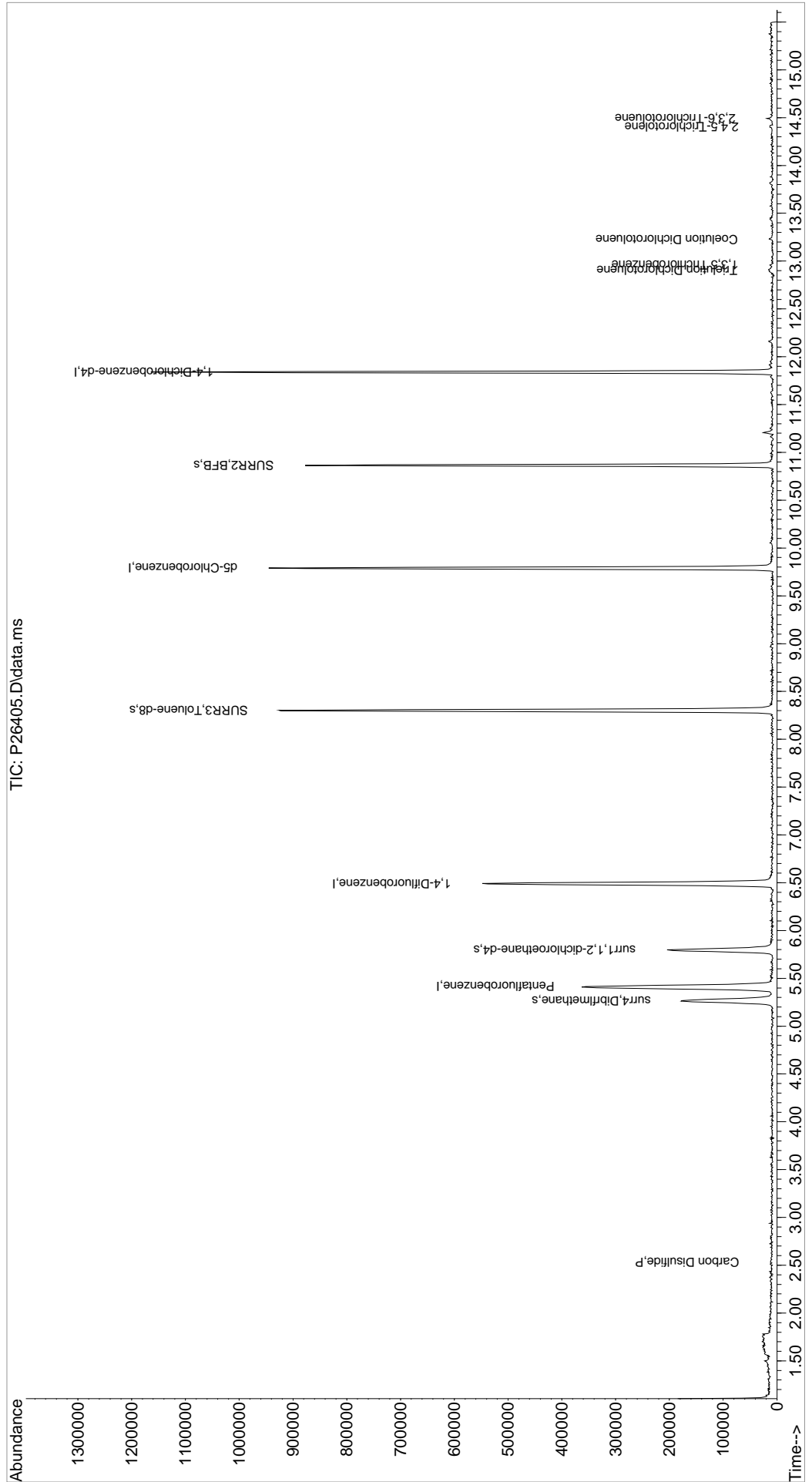
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	349136	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	505616	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	454074	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	240777	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	143359	49.32	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	98.64%	
48) surr1,1,2-dichloroetha...	5.798	65	169126	53.33	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.66%	
65) SURR3,Toluene-d8	8.303	98	608744	50.44	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	100.88%	
70) SURR2,BFB	10.864	95	225952	47.91	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	95.82%	
Target Compounds						
18) Carbon Disulfide	2.530	76	1798m	0.26	ppb	Qvalue
112) Trielution Dichlorotol...	12.906	125	2945	0.43	ppb	# 85
113) 1,3,5 Trichlorobenzene	12.961	180	1347	0.21	ppb	# 74
114) Coelution Dichlorotoluene	13.229	125	2236	0.29	ppb	# 93
119) 2,4,5-Trichlorotoluene	14.406	159	1091	0.25	ppb	# 57
120) 2,3,6-Trichlorotoluene	14.491	159	1032	0.20	ppb	# 80

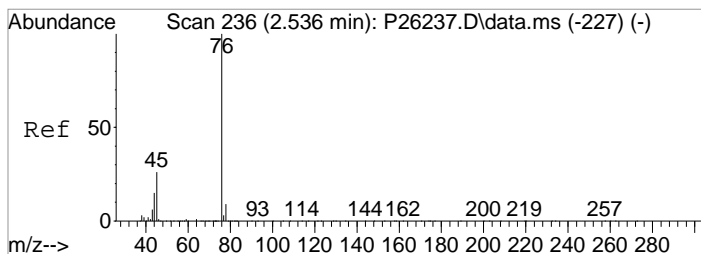
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\050619\
Data File : P26405.D
Acq On : 6 May 2019 1:01 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

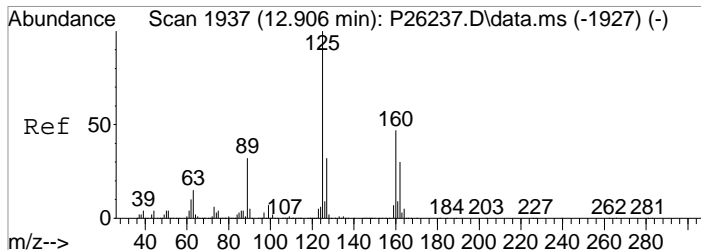
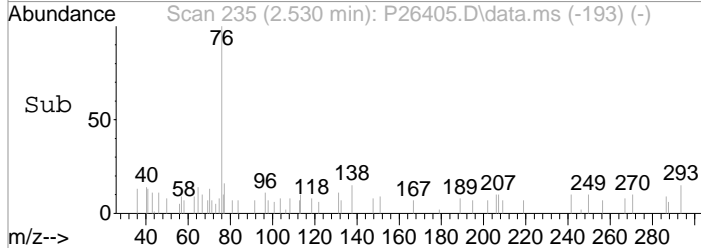
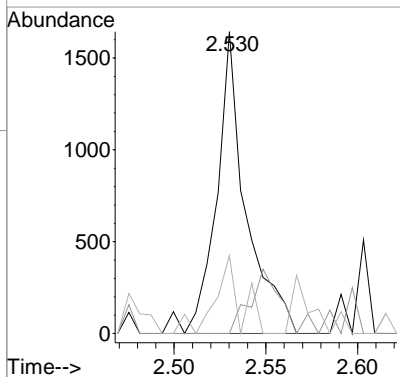
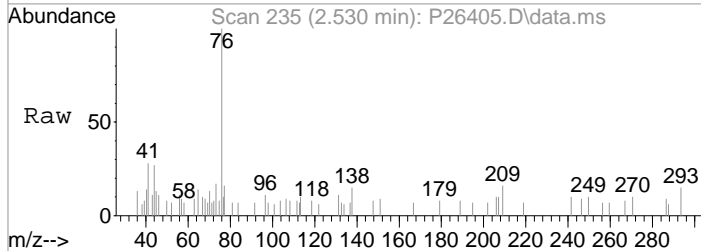
Quant Time: May 06 13:44:35 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





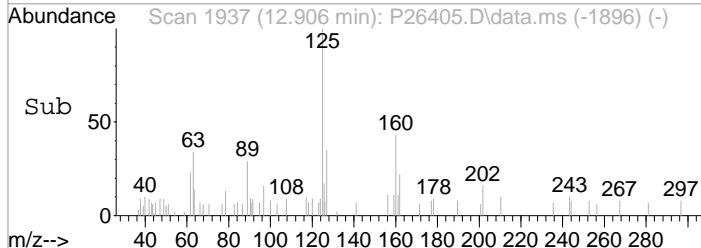
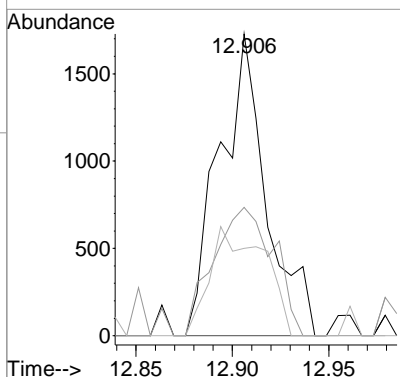
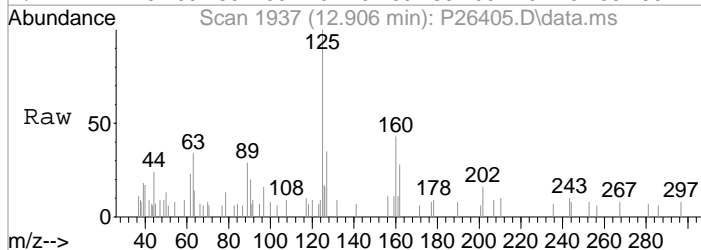
#18
 Carbon Disulfide
 Concen: 0.26 ppb m
 RT: 2.530 min Scan# 235
 Delta R.T. 0.000 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

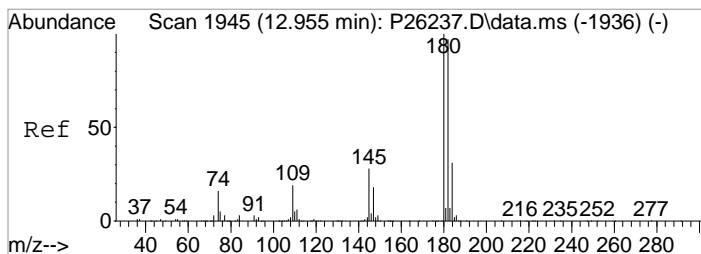
Tgt Ion	Resp	Lower	Upper
76	1798		
78	0.0	0.0	29.3
77	15.8	0.0	22.9



#112
 Trilution Dichlorotoluene
 Concen: 0.43 ppb
 RT: 12.906 min Scan# 1937
 Delta R.T. 0.000 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

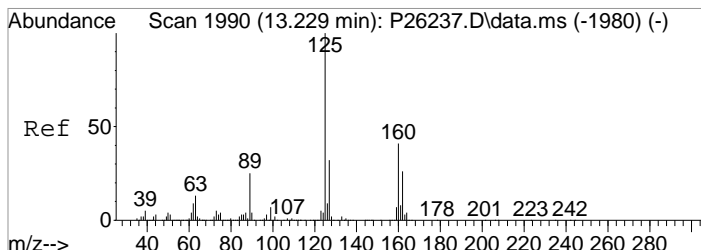
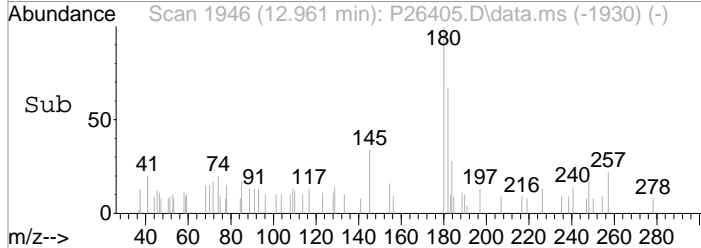
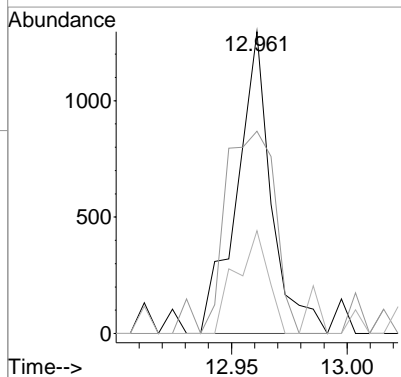
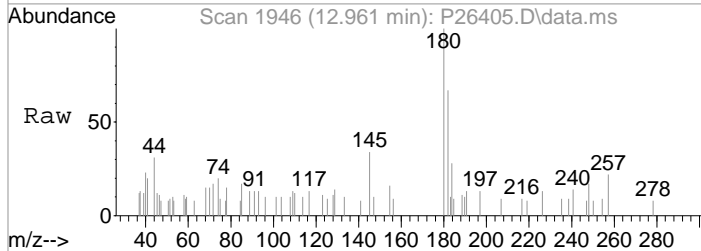
Tgt Ion	Resp	Lower	Upper
125	2945		
160	36.3	37.7	56.5#
89	24.7	25.4	38.2#





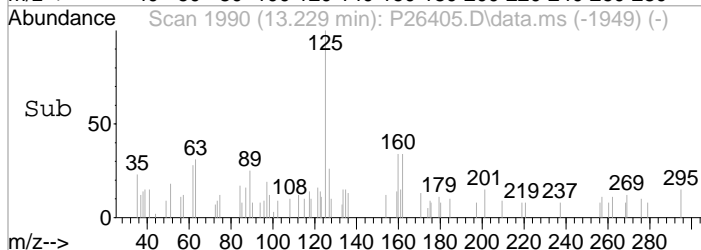
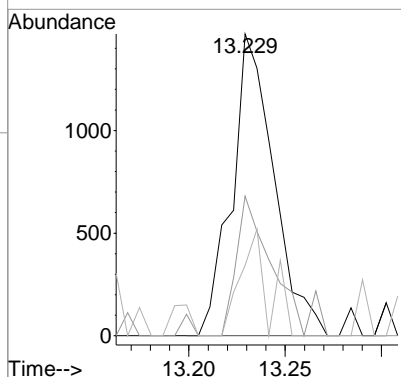
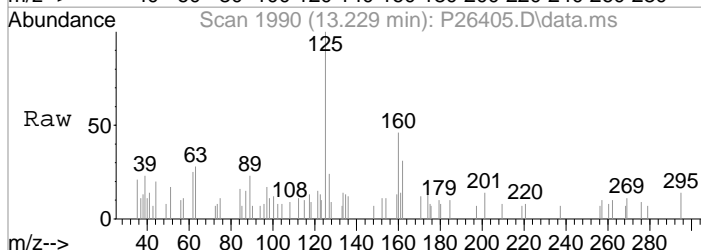
#113
 1,3,5 Trichlorobenzene
 Concen: 0.21 ppb
 RT: 12.961 min Scan# 1946
 Delta R.T. 0.006 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

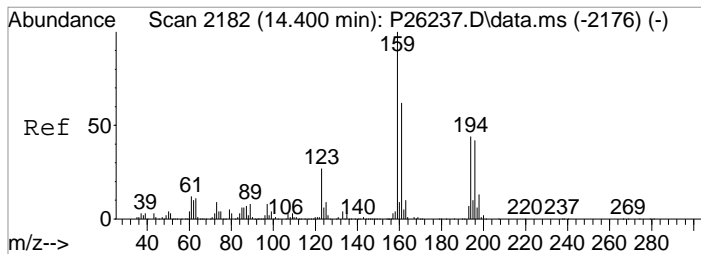
Tgt Ion	Resp	Lower	Upper
180	1347		
182	67.0	77.6	116.4#
145	34.1	22.2	33.2#



#114
 Coelution Dichlorotoluene
 Concen: 0.29 ppb
 RT: 13.229 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

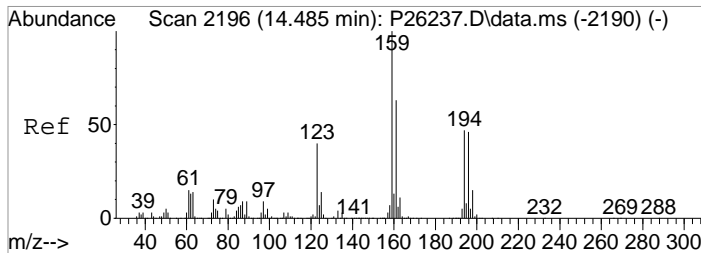
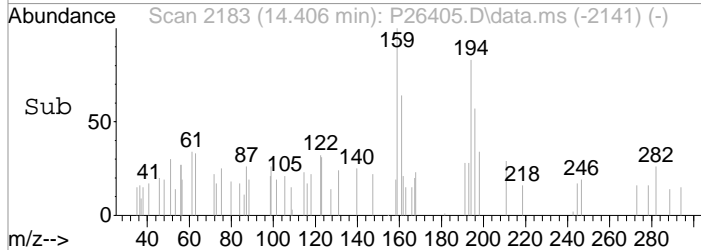
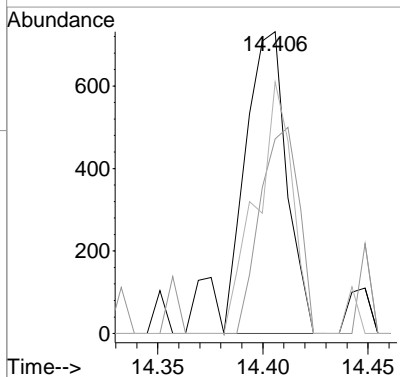
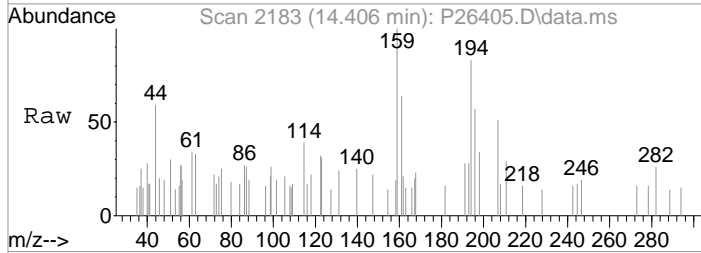
Tgt Ion	Resp	Lower	Upper
125	2236		
160	46.2	32.6	48.8
89	23.4	20.4	30.6





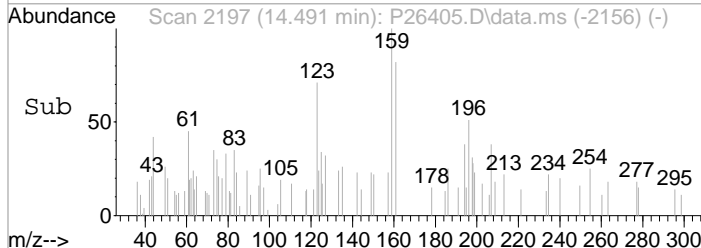
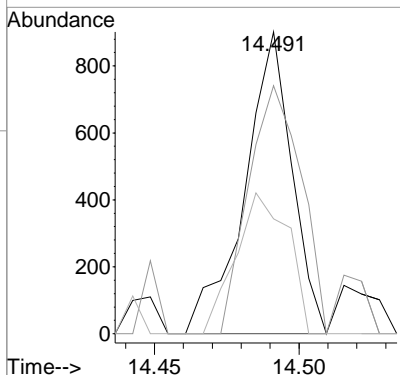
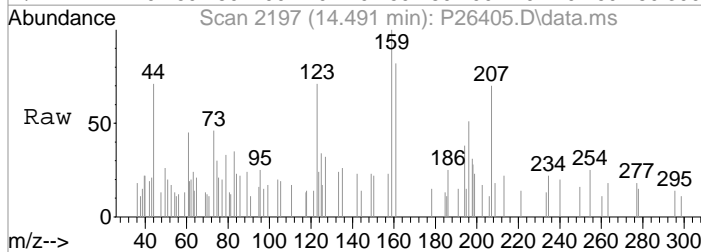
#119
 2,4,5-Trichlorotoluene
 Concen: 0.25 ppb
 RT: 14.406 min Scan# 2183
 Delta R.T. 0.006 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

Tgt Ion	Resp	Lower	Upper
159	1091		
161	85.8	49.4	74.2#
194	83.3	35.6	53.4#



#120
 2,3,6-Trichlorotoluene
 Concen: 0.20 ppb
 RT: 14.491 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: P26405.D
 Acq: 6 May 2019 1:01 pm

Tgt Ion	Resp	Lower	Upper
159	1032		
161	82.2	50.5	75.7#
194	38.0	38.0	57.0



Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26467.D
 Acq On : 7 May 2019 1:06 pm
 Operator : K.Ruest
 Sample : VBLK
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 13:51:46 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

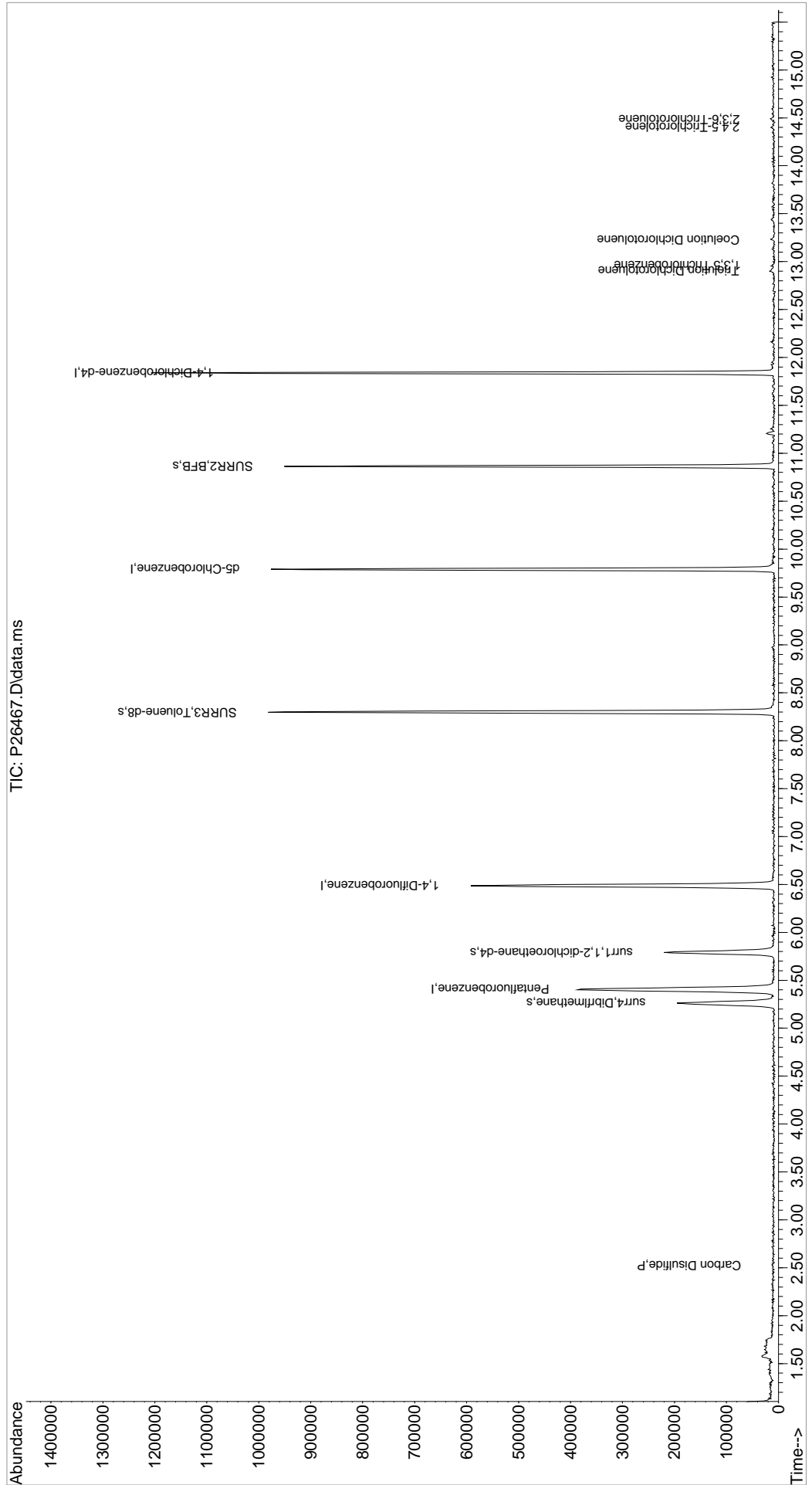
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.407	168	375067	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	532026	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	480771	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	260249	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	146937	48.04	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	96.08%	
48) surr1,1,2-dichloroetha...	5.791	65	180637	54.13	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	108.26%	
65) SURR3,Toluene-d8	8.297	98	643054	50.64	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.28%	
70) SURR2,BFB	10.864	95	242964	48.96	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	97.92%	
Target Compounds						
18) Carbon Disulfide	2.524	76	1760	0.23	ppb	Qvalue 85
112) Trielution Dichlorotol...	12.906	125	3375	0.46	ppb	# 77
113) 1,3,5 Trichlorobenzene	12.961	180	1424	0.20	ppb	# 65
114) Coelution Dichlorotoluene	13.229	125	1796	0.22	ppb	# 81
119) 2,4,5-Trichlorotoluene	14.400	159	1310	0.28	ppb	# 78
120) 2,3,6-Trichlorotoluene	14.485	159	1245	0.23	ppb	# 74

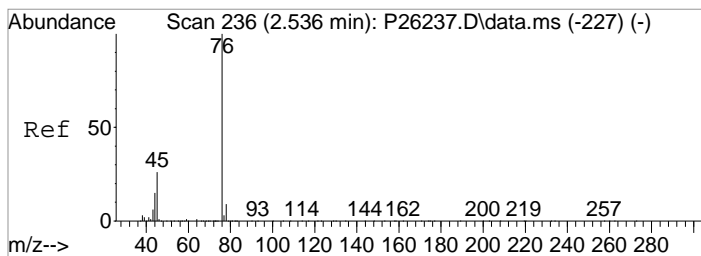
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\050719\
Data File : P26467.D
Acq On : 7 May 2019 1:06 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

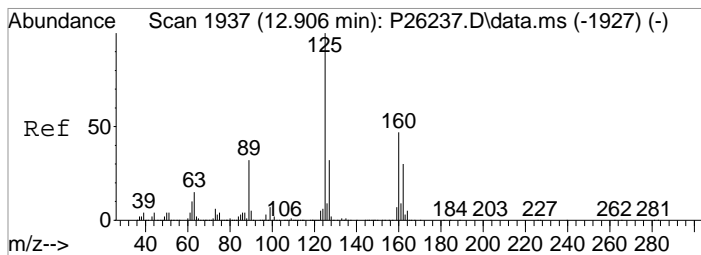
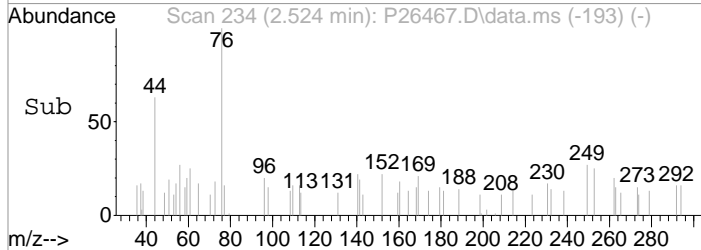
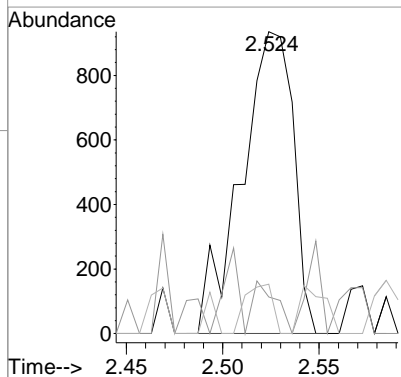
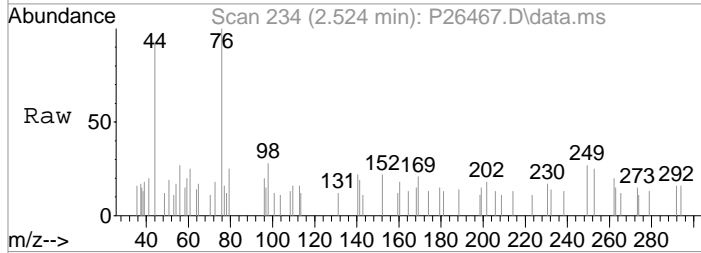
Quant Time: May 07 13:51:46 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





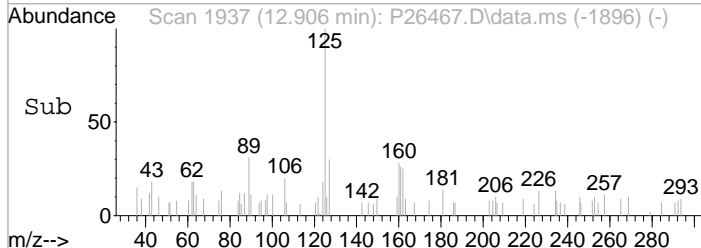
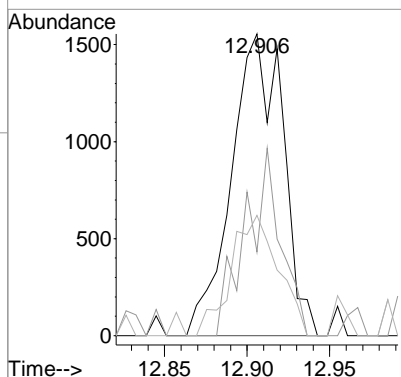
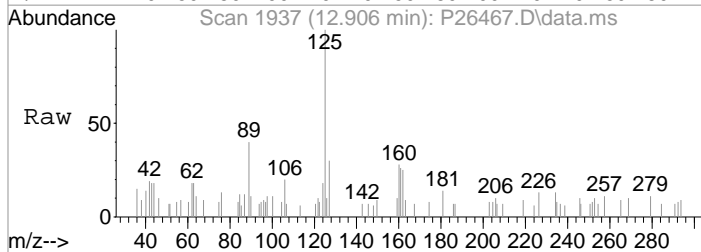
#18
 Carbon Disulfide
 Concen: 0.23 ppb
 RT: 2.524 min Scan# 234
 Delta R.T. -0.006 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

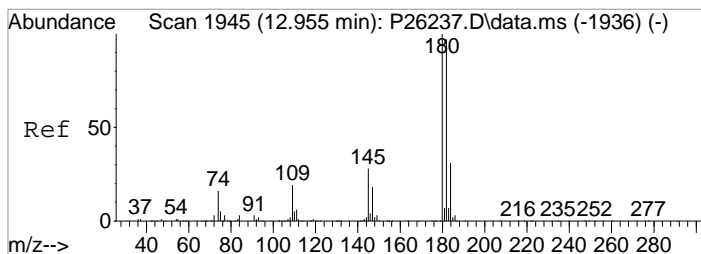
Tgt Ion	Resp	Lower	Upper
76	1760		
76	100		
78	12.1	0.0	29.3
77	16.3	0.0	22.9



#112
 Trilution Dichlorotoluene
 Concen: 0.46 ppb
 RT: 12.906 min Scan# 1937
 Delta R.T. -0.000 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

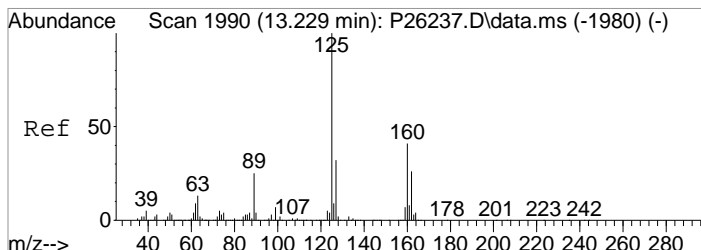
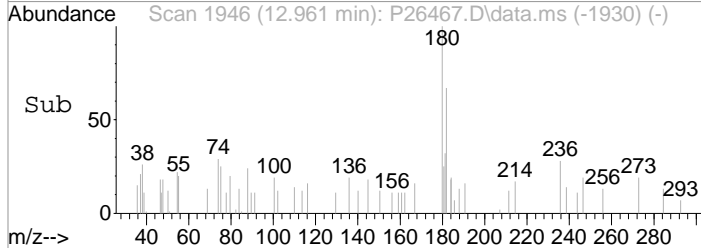
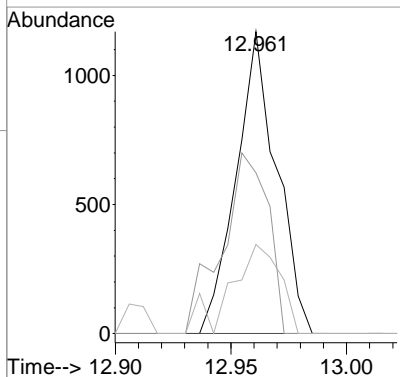
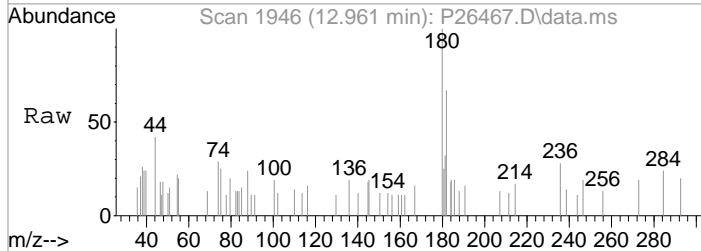
Tgt Ion	Resp	Lower	Upper
125	3375		
125	100		
160	27.8	37.7	56.5#
89	39.8	25.4	38.2#





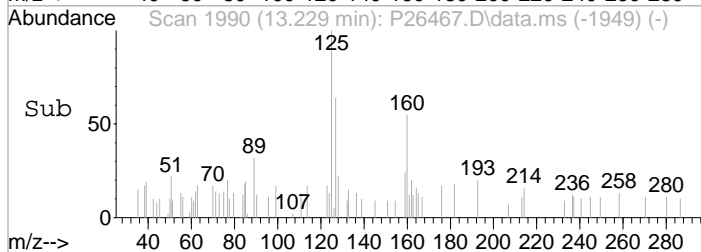
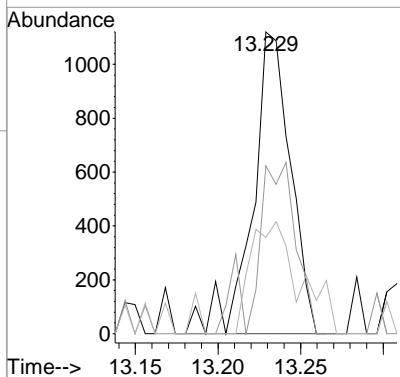
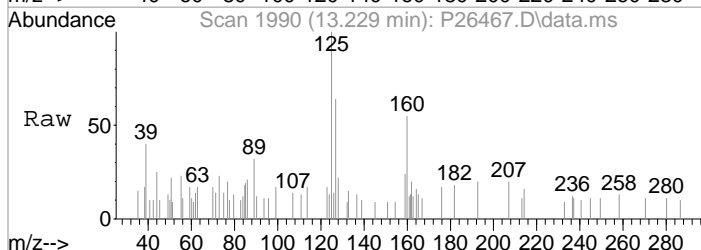
#113
 1,3,5 Trichlorobenzene
 Concen: 0.20 ppb
 RT: 12.961 min Scan# 1946
 Delta R.T. 0.006 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

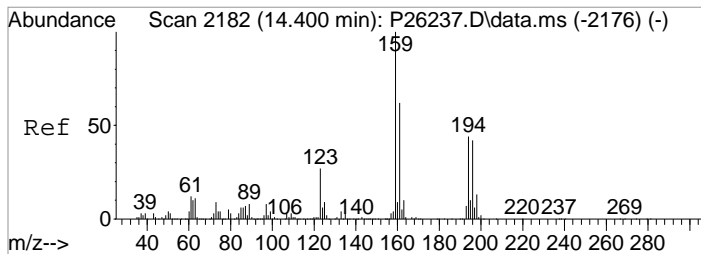
Tgt Ion	Resp	Lower	Upper
180	1424		
182	53.2	77.6	116.4#
145	29.5	22.2	33.2



#114
 Coelution Dichlorotoluene
 Concen: 0.22 ppb
 RT: 13.229 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

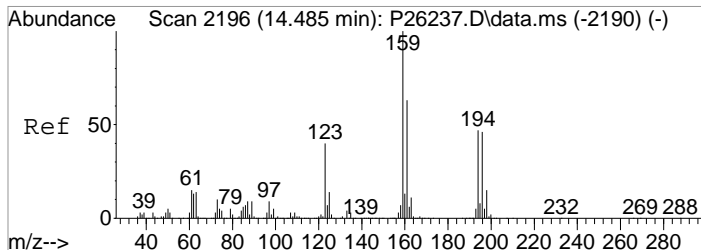
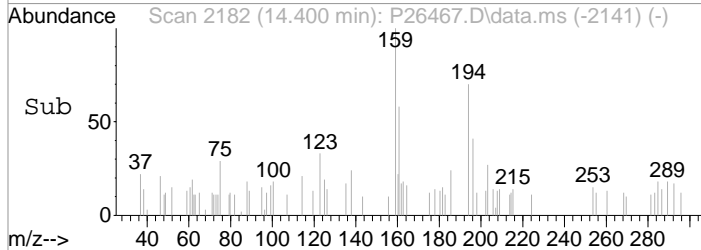
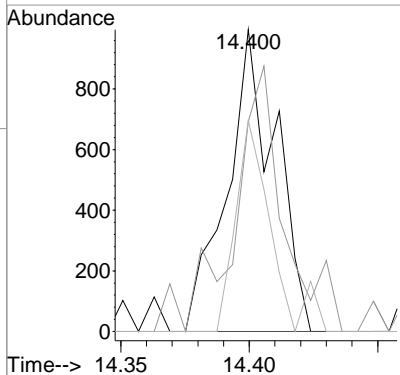
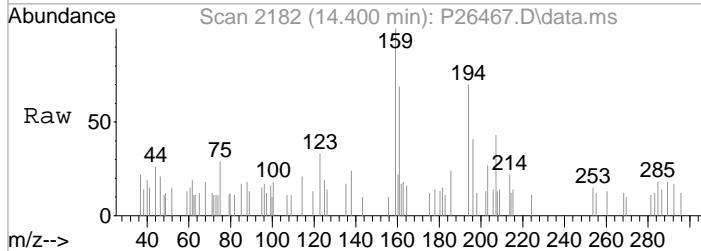
Tgt Ion	Resp	Lower	Upper
125	1796		
160	55.5	32.6	48.8#
89	31.8	20.4	30.6#





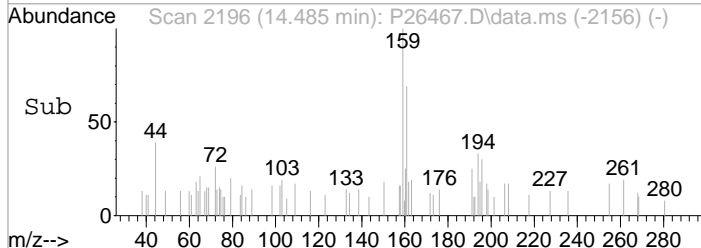
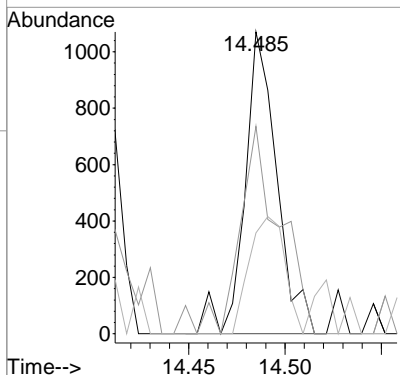
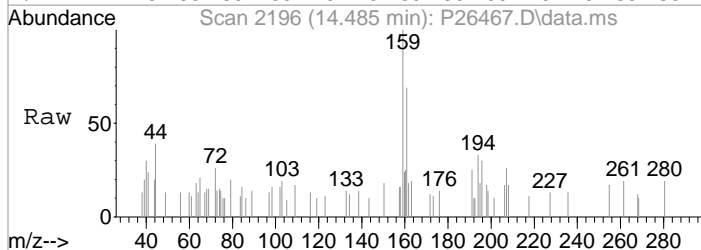
#119
 2,4,5-Trichlorotoluene
 Concen: 0.28 ppb
 RT: 14.400 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

Tgt Ion	Resp	Lower	Upper
159	100		
161	69.4	49.4	74.2
194	70.0	35.6	53.4#



#120
 2,3,6-Trichlorotoluene
 Concen: 0.23 ppb
 RT: 14.485 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: P26467.D
 Acq: 7 May 2019 1:06 pm

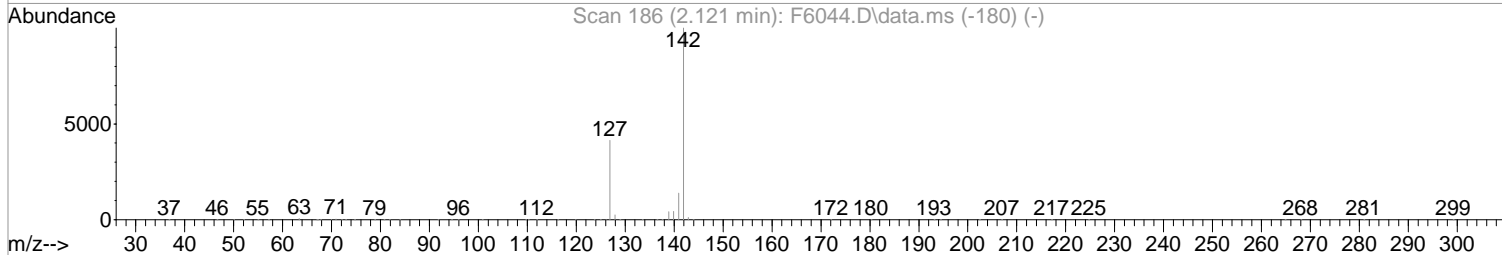
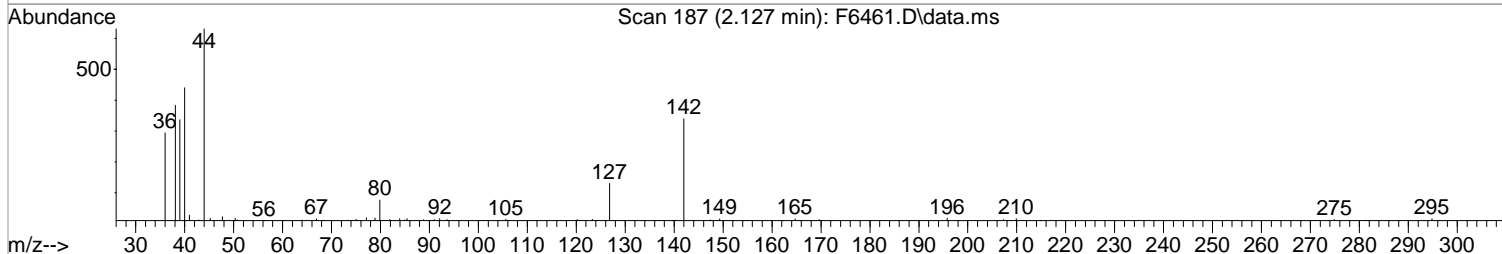
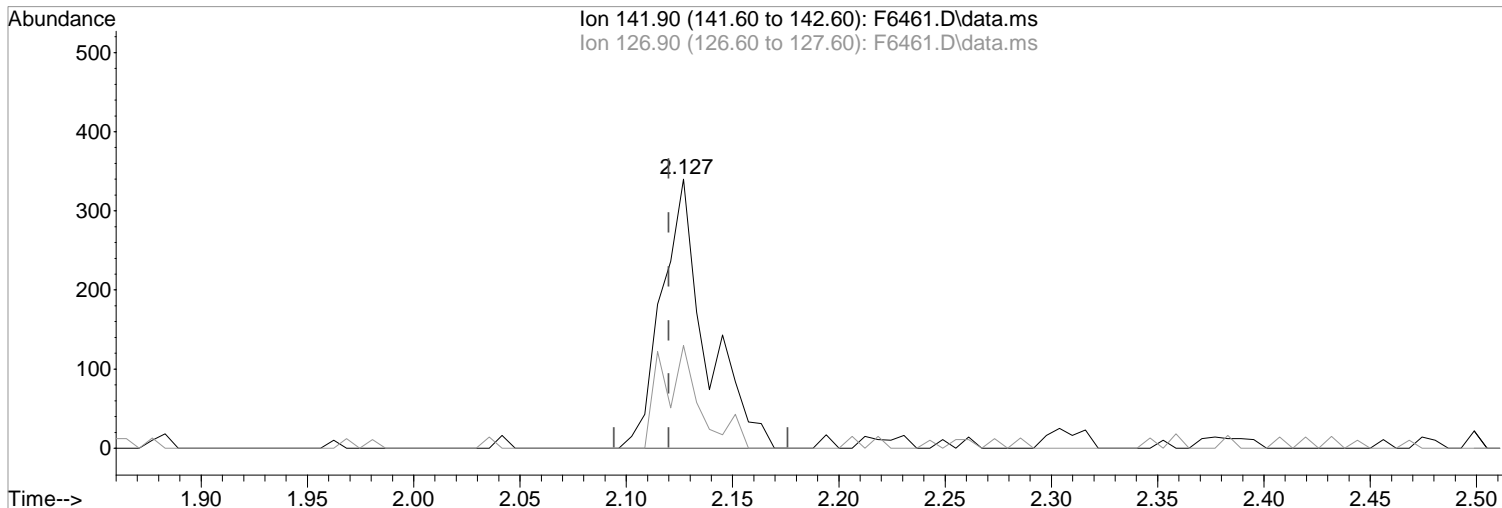
Tgt Ion	Resp	Lower	Upper
159	100		
161	86.6	50.5	75.7#
194	33.4	38.0	57.0#



Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(17) Iodomethane
2.127min (+0.007) 1.12 ug/L m
response 495

Manual Integration:

After

Poor integration.

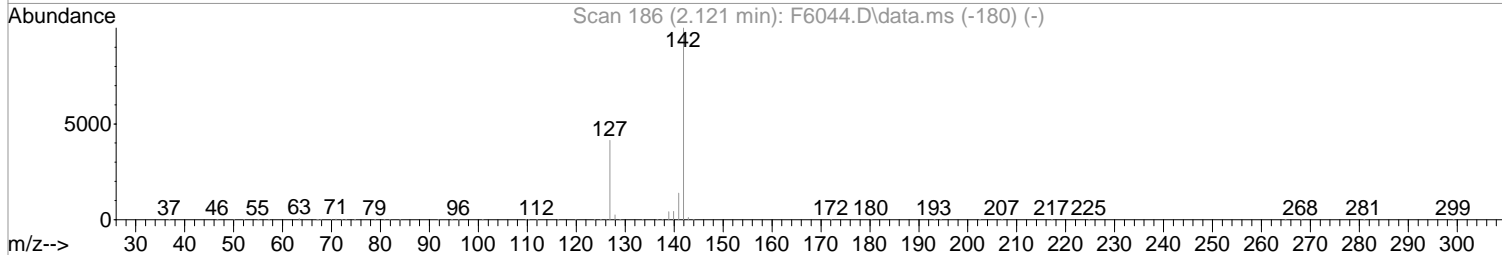
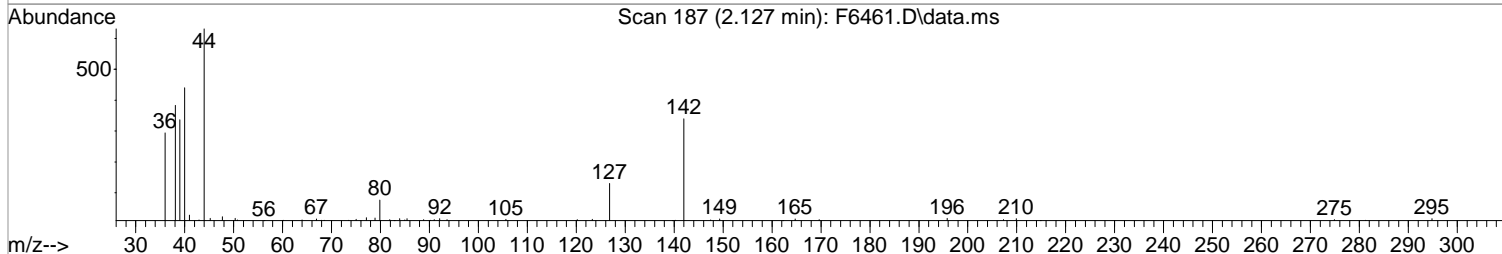
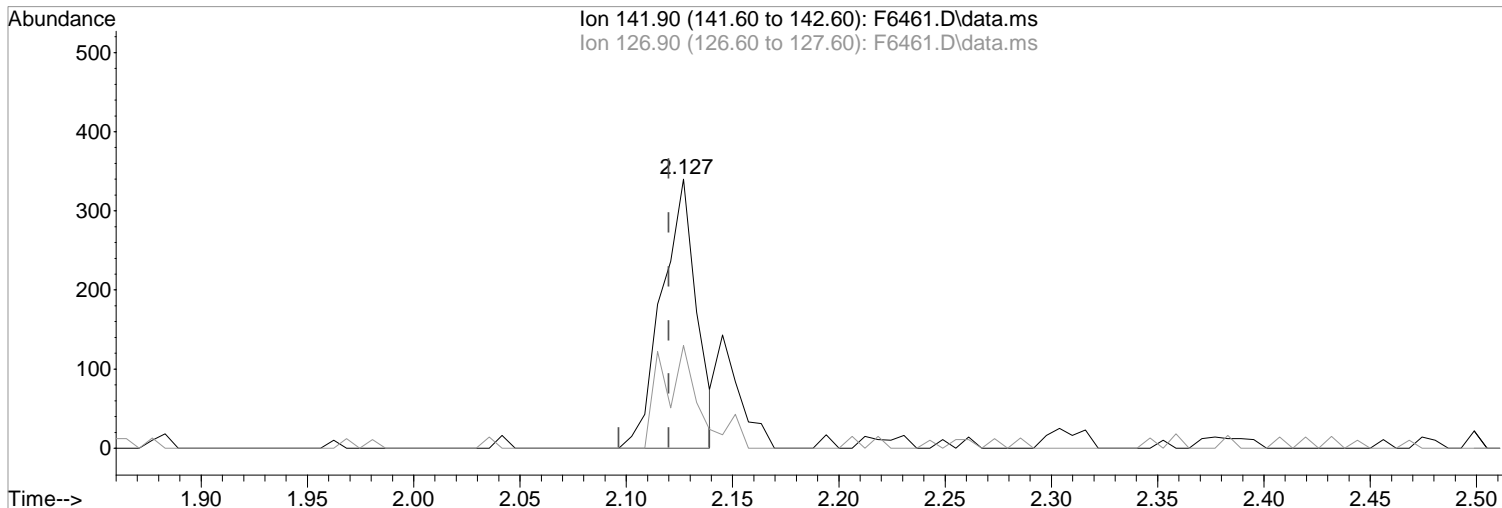
05/06/19

Ion	Exp%	Act%
141.90	100	100
126.90	44.50	38.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



TIC: F6461.D\data.ms

(17) Iodomethane
2.127min (+0.007) 1.10 ug/L
response 389

Manual Integration:
Before

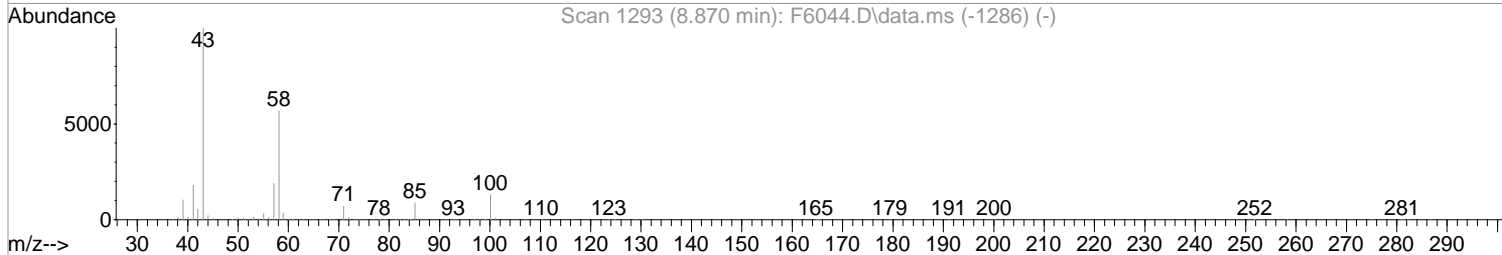
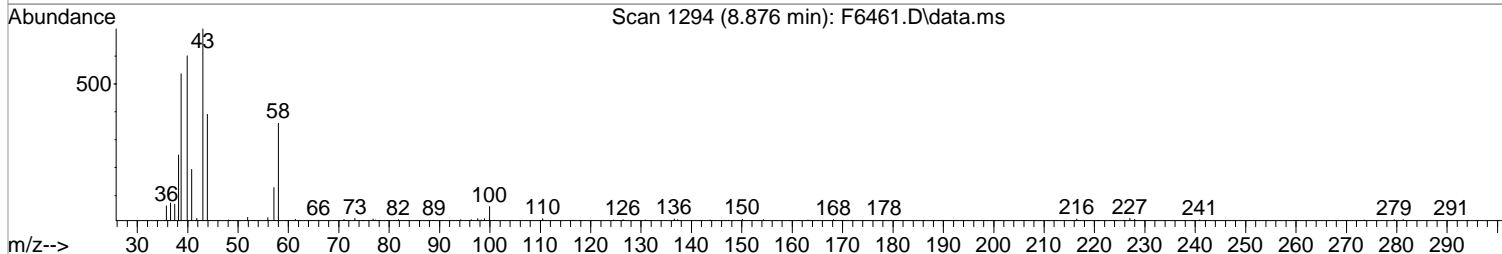
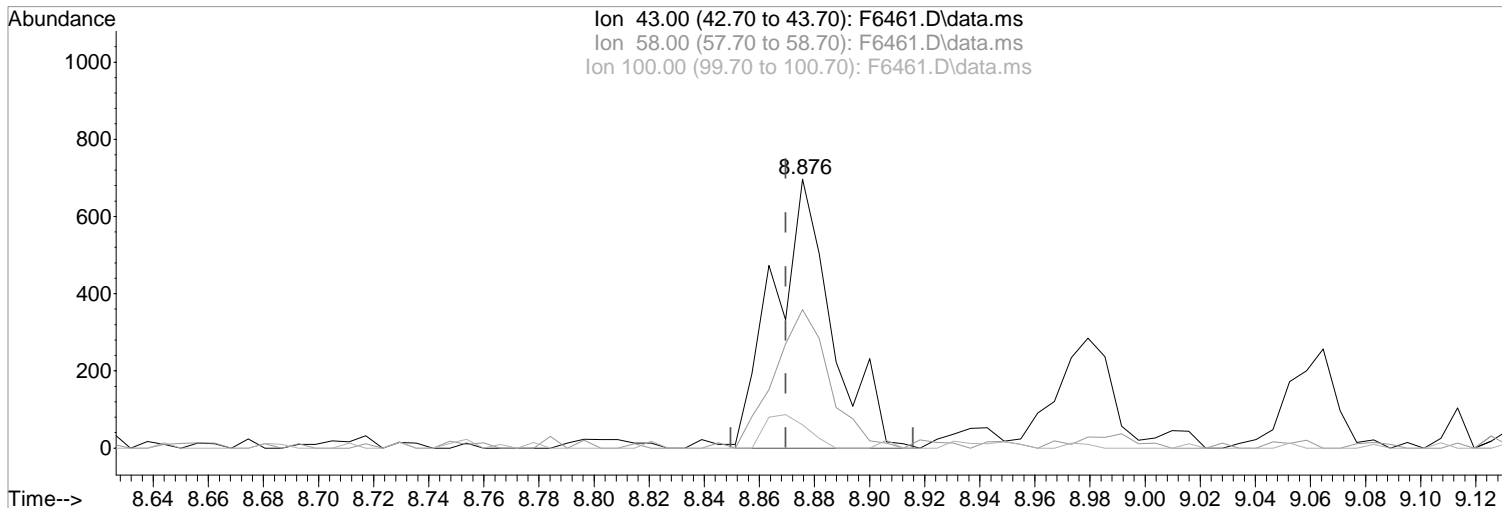
Ion	Exp%	Act%
141.90	100	100
126.90	44.50	38.24
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



TIC: F6461.D\data.ms

(72) 2-Hexanone (P)
8.876min (+0.006) 0.34 ug/L m
response 1020

Manual Integration:
After
Poor integration.

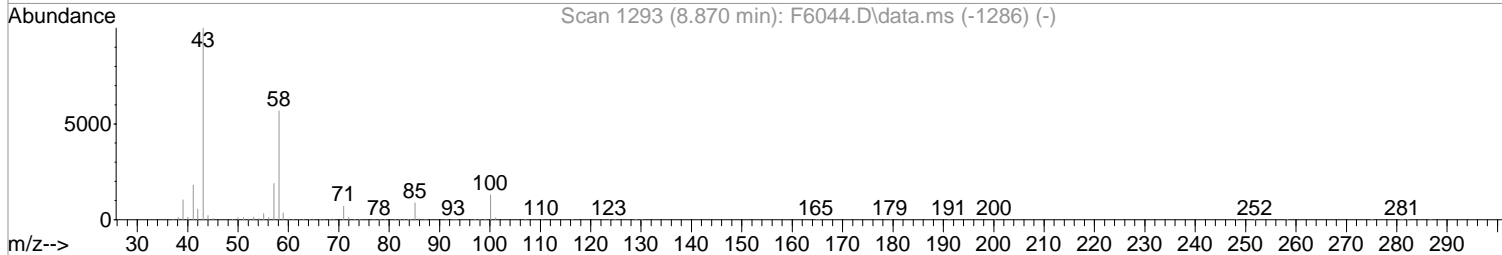
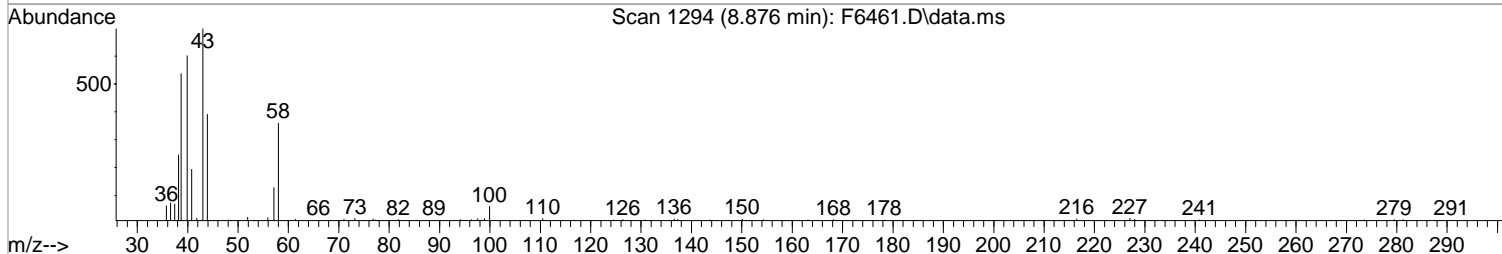
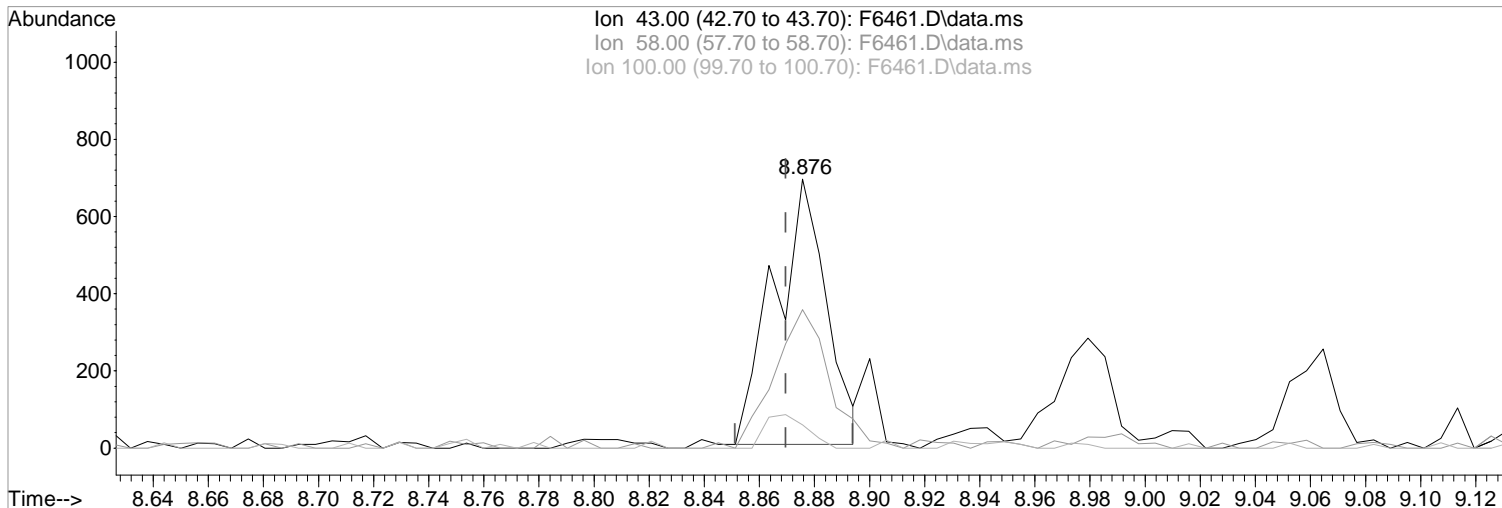
Ion	Exp%	Act%
43.00	100	100
58.00	51.60	51.51
100.00	9.70	8.61
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6461.D
Acq On : 4 May 2019 5:52 pm
Operator : F.NAEGLER
Sample : MBLK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 06 08:37:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



TIC: F6461.D\data.ms

(72) 2-Hexanone (P)
8.876min (+0.006) 0.30 ug/L
response 900

Manual Integration:
Before

Ion	Exp%	Act%
43.00	100	100
58.00	51.60	51.51
100.00	9.70	8.61
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6461.D
 Acq On : 4 May 2019 5:52 pm
 Operator : F.NAEGLER
 Sample : MBLK Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 15:50:18 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

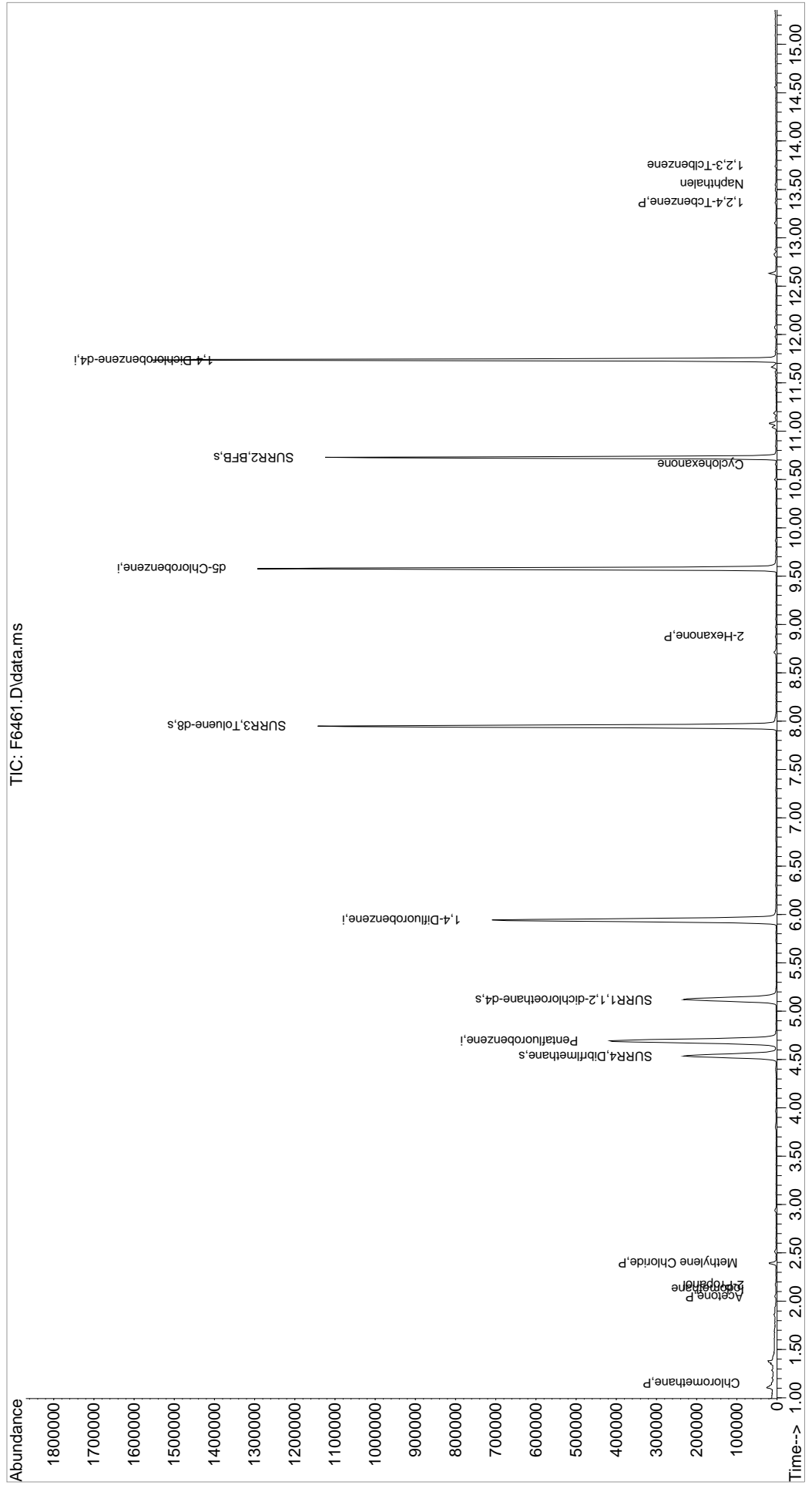
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.694	168	406975	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.943	114	667599	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	563661	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	292426	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	189517	47.79	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	95.58%		
47) SURR1,1,2-dichloroetha...	5.120	65	230485	48.28	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	96.56%		
64) SURR3,Toluene-d8	7.949	98	724619	44.75	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	89.50%		
69) SURR2,BFB	10.729	95	289738	44.72	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	89.44%		
Target Compounds						
3) Chloromethane	1.158	50	1144	0.22	ug/L	91
5) Bromomethane	1.420	94	994	Below Cal	#	73
15) Acetone	2.048	43	2875	1.82	ug/L	97
16) 2-Propanol	2.170	45	1021	3.18	ug/L	94
17) Iodomethane	2.127	142	495m	1.12	ug/L	
22) Methylene Chloride	2.395	84	6011	1.03	ug/L	93
72) 2-Hexanone	8.876	43	1020m	0.34	ug/L	
85) Cyclohexanone	10.656	55	736	1.02	ug/L	84
105) 1,2,4-Tcbenzene	13.363	180	637	0.54	ug/L	83
107) Naphthalen	13.558	128	1458	0.76	ug/L	74
108) 1,2,3-Tclbenzene	13.747	180	534	0.58	ug/L	# 61

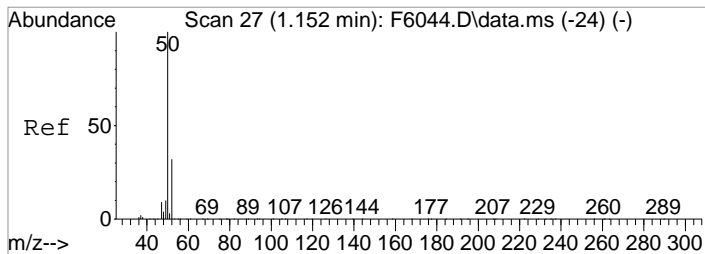
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6461.D
 Acq On : 4 May 2019 5:52 pm
 Operator : F.NAEGLER
 Sample : BLK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

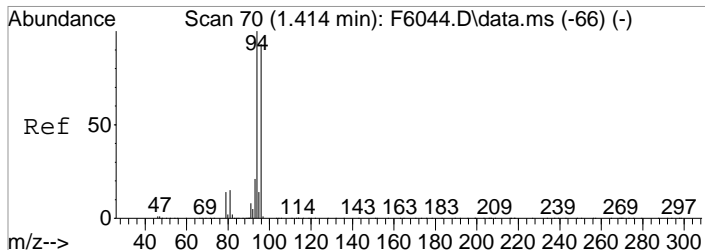
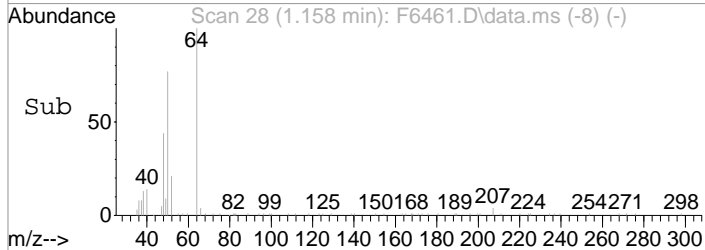
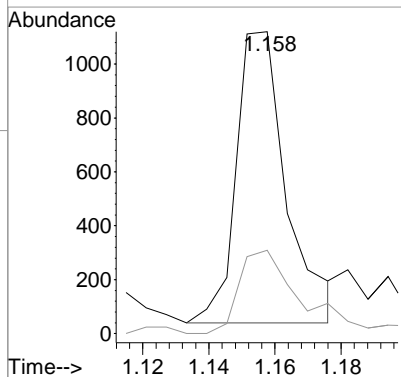
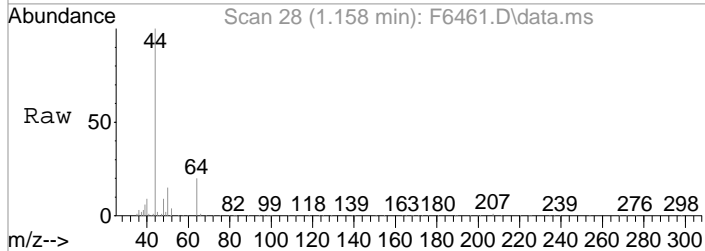
Quant Time: May 06 15:50:18 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration





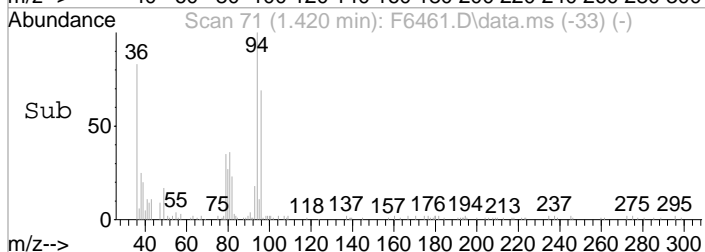
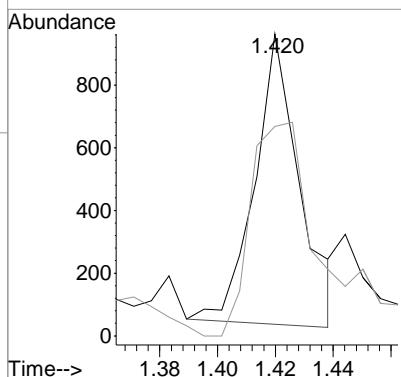
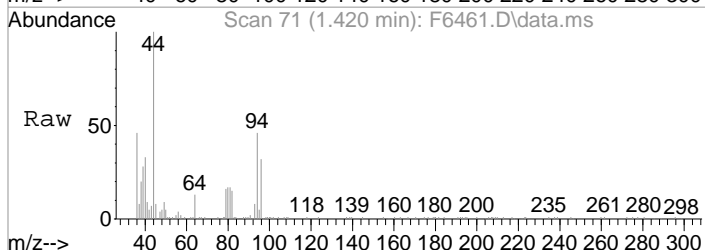
#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.158 min Scan# 28
 Delta R.T. 0.006 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

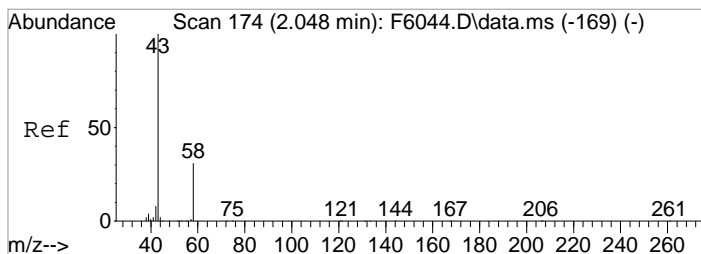
Tgt Ion: 50 Resp: 1144
 Ion Ratio Lower Upper
 50 100
 52 27.6 12.4 52.4



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.420 min Scan# 71
 Delta R.T. 0.007 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

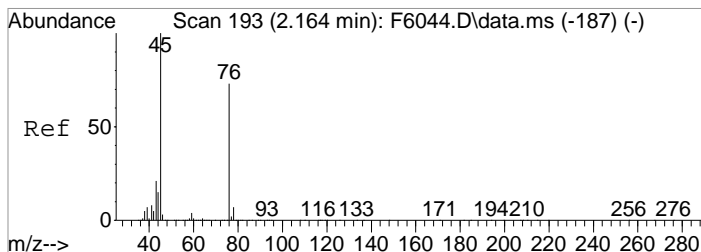
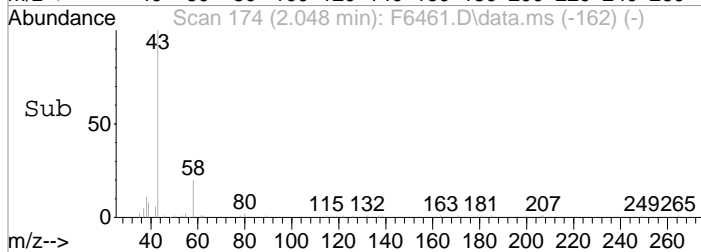
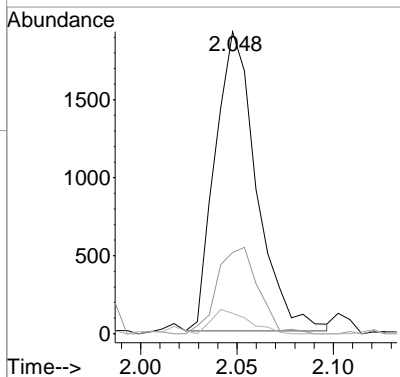
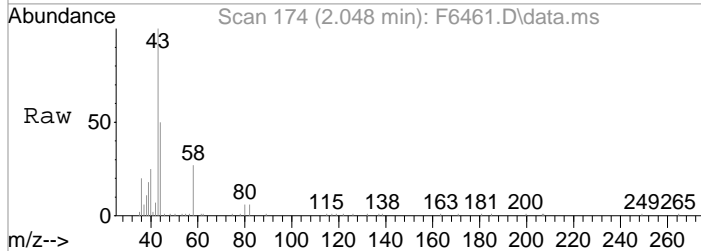
Tgt Ion: 94 Resp: 994
 Ion Ratio Lower Upper
 94 100
 96 69.4 75.4 115.4#





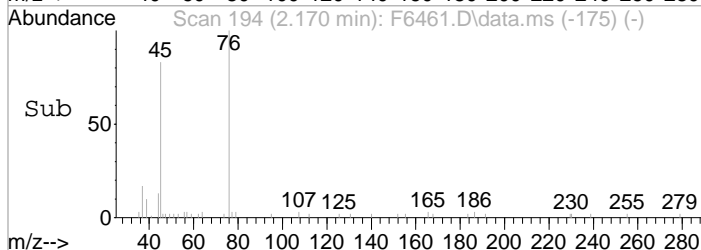
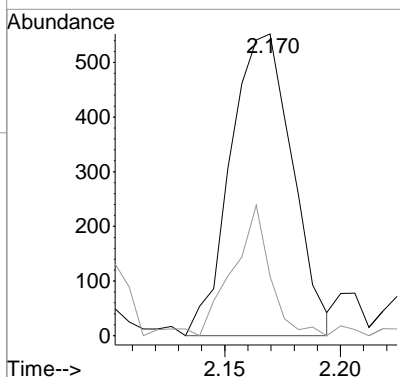
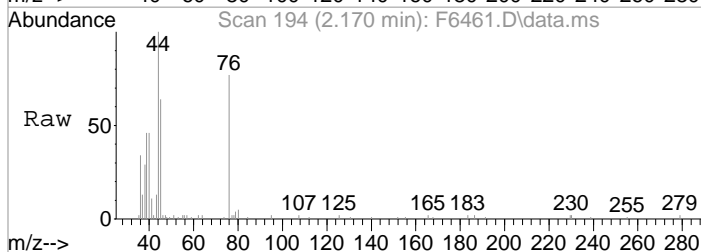
#15
 Acetone
 Concen: 1.82 ug/L
 RT: 2.048 min Scan# 174
 Delta R.T. 0.001 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

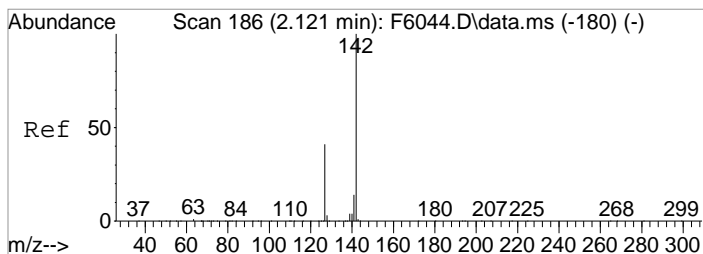
Tgt Ion	Resp	Lower	Upper
43	2875		
58	26.9	5.1	45.1
42	6.7	0.0	27.4



#16
 2-Propanol
 Concen: 3.18 ug/L
 RT: 2.170 min Scan# 194
 Delta R.T. 0.006 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

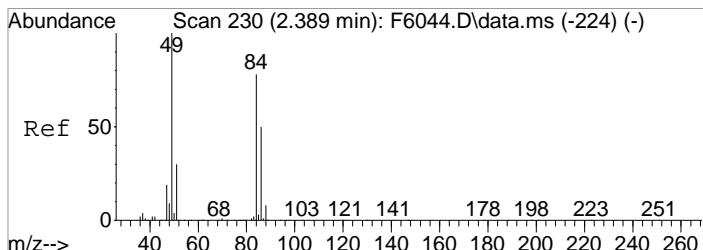
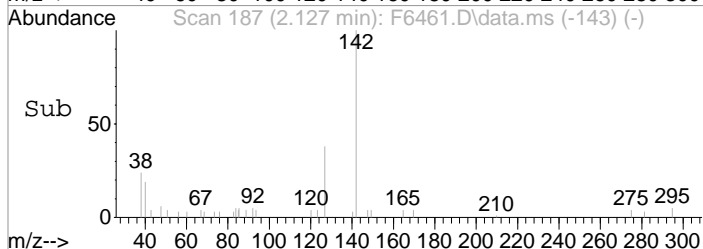
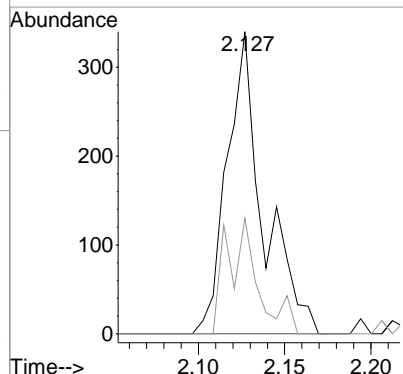
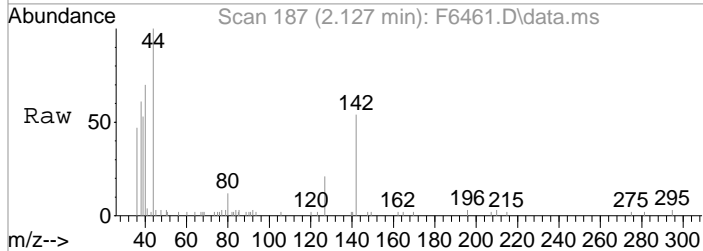
Tgt Ion	Resp	Lower	Upper
45	1021		
43	19.7	2.7	42.7





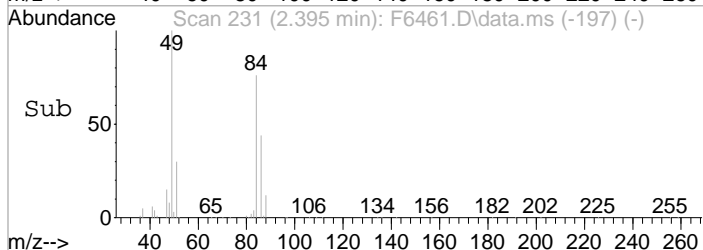
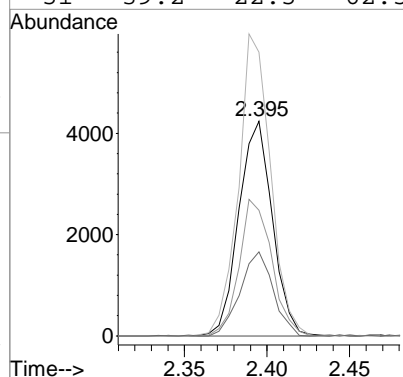
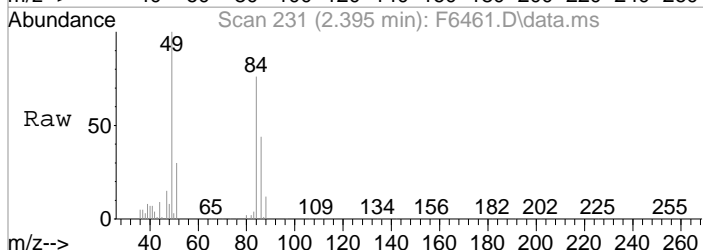
#17
 Iodomethane
 Concen: 1.12 ug/L m
 RT: 2.127 min Scan# 187
 Delta R.T. 0.007 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

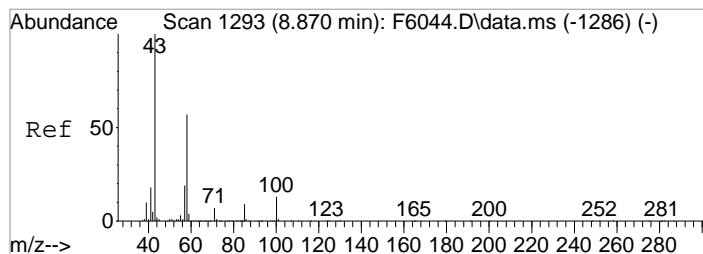
Tgt Ion	Resp	Lower	Upper
142	100		
127	38.2	24.5	64.5



#22
 Methylene Chloride
 Concen: 1.03 ug/L
 RT: 2.395 min Scan# 231
 Delta R.T. 0.006 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

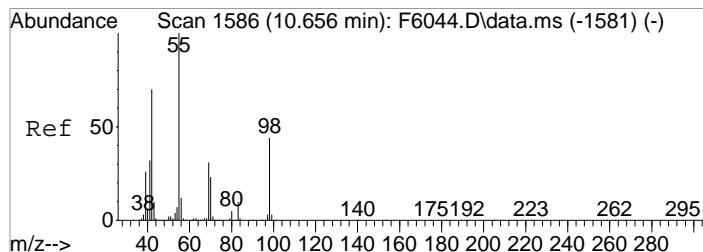
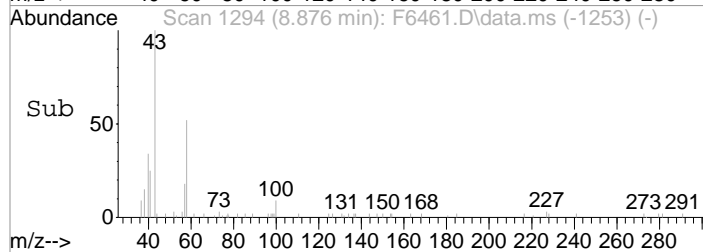
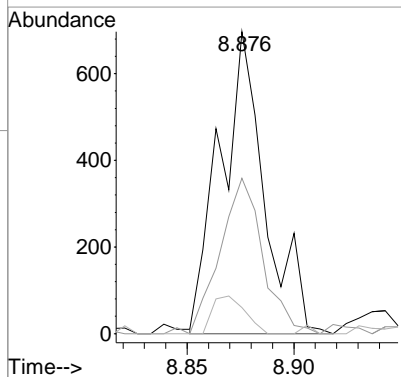
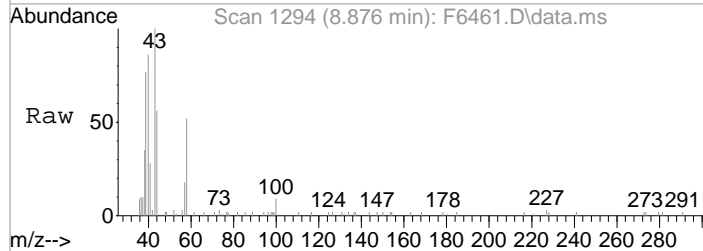
Tgt Ion	Resp	Lower	Upper
84	100		
86	58.5	45.6	85.6
49	132.2	120.4	160.4
51	39.2	22.5	62.5





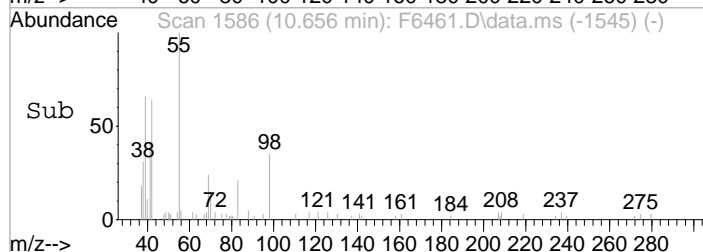
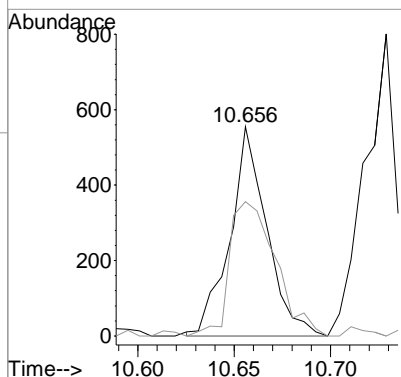
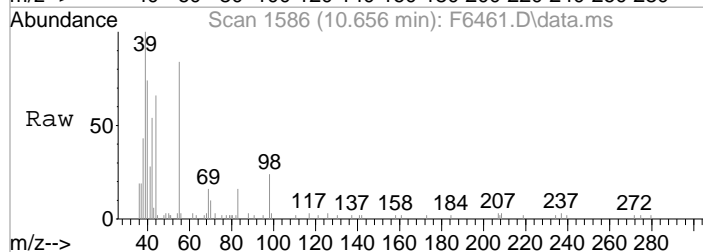
#72
 2-Hexanone
 Concen: 0.34 ug/L m
 RT: 8.876 min Scan# 1294
 Delta R.T. 0.006 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

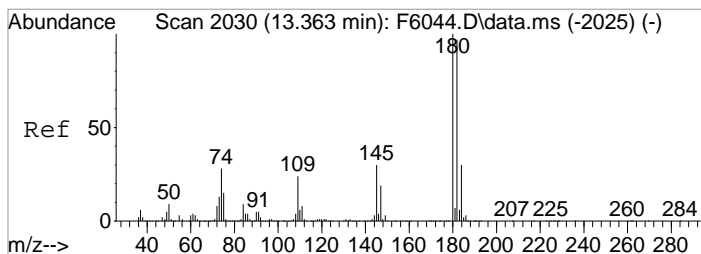
Tgt Ion	Resp	Lower	Upper
43	1020		
58	51.5	31.6	71.6
100	8.6	0.0	29.7



#85
 Cyclohexanone
 Concen: 1.02 ug/L
 RT: 10.656 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

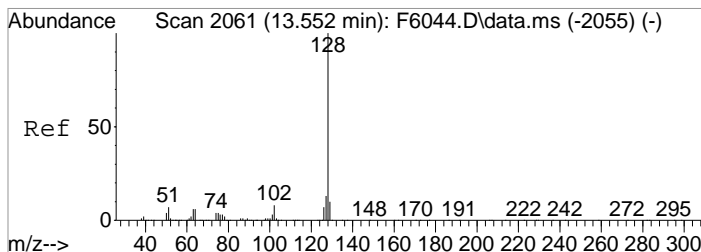
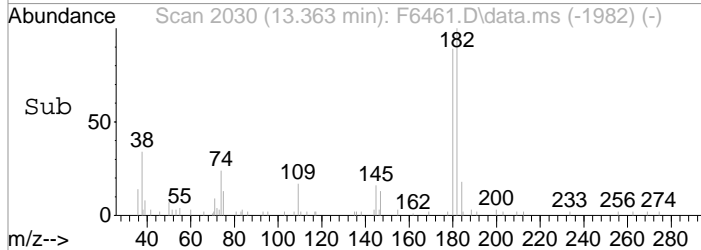
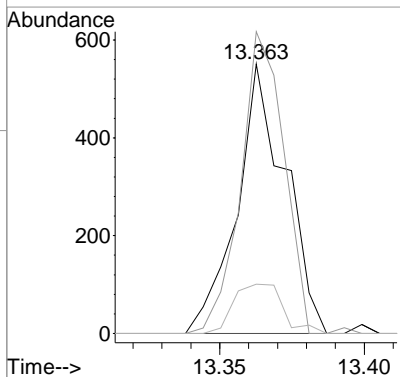
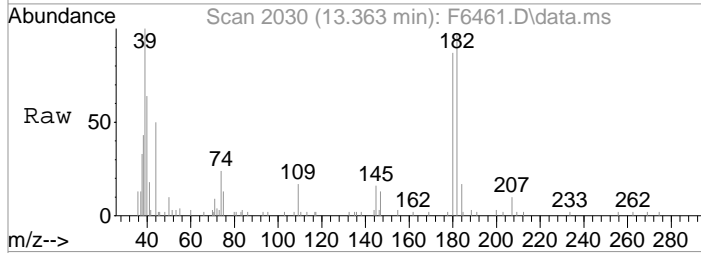
Tgt Ion	Resp	Lower	Upper
55	736		
42	64.1	58.2	98.2





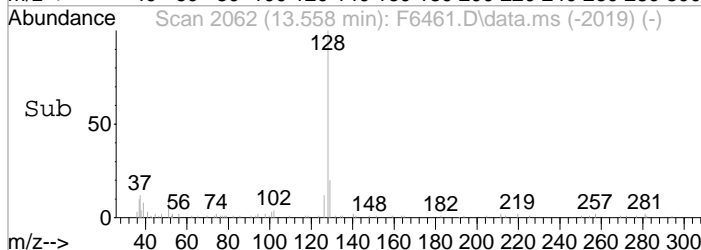
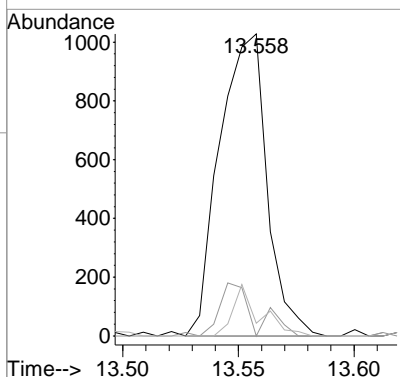
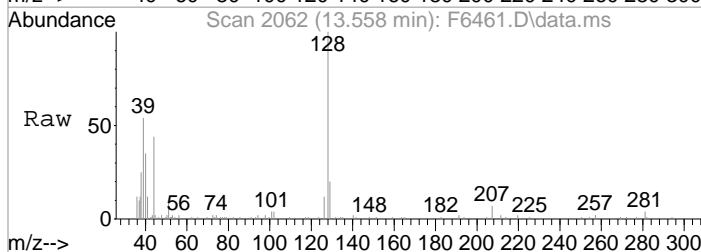
#105
 1,2,4-Tcbenzene
 Concen: 0.54 ug/L
 RT: 13.363 min Scan# 2030
 Delta R.T. 0.001 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

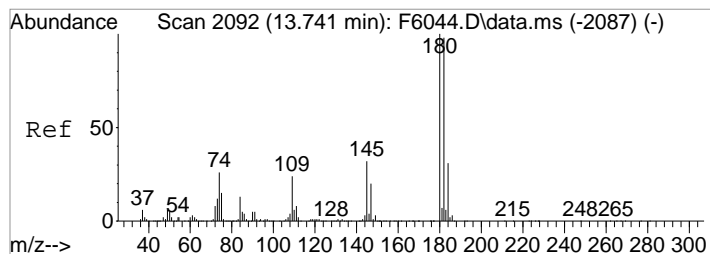
Tgt Ion	Resp	Lower	Upper
180	637		
182	112.0	74.9	114.9
145	18.3	7.0	47.0



#107
 Naphthalen
 Concen: 0.76 ug/L
 RT: 13.558 min Scan# 2062
 Delta R.T. 0.007 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

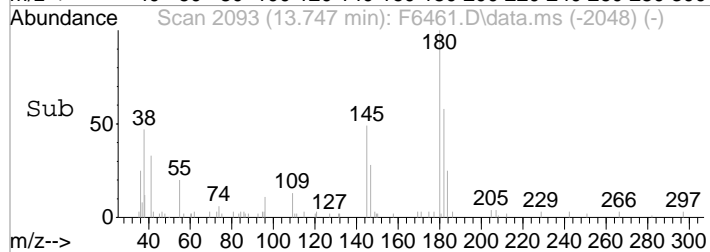
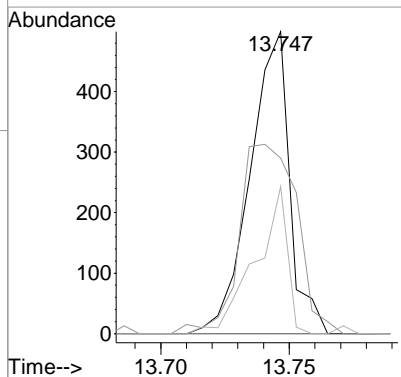
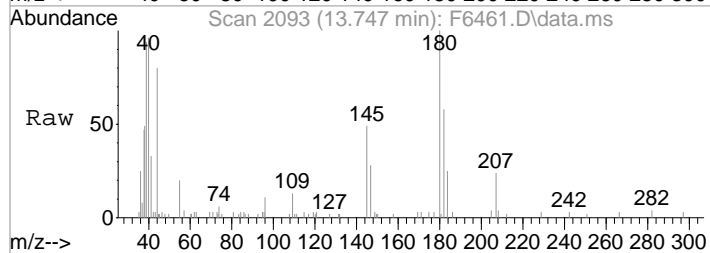
Tgt Ion	Resp	Lower	Upper
128	1458		
127	0.0	0.0	33.8
102	4.2	0.0	28.8





#108
 1,2,3-Tclbenzene
 Concen: 0.58 ug/L
 RT: 13.747 min Scan# 2093
 Delta R.T. 0.007 min
 Lab File: F6461.D
 Acq: 4 May 2019 5:52 pm

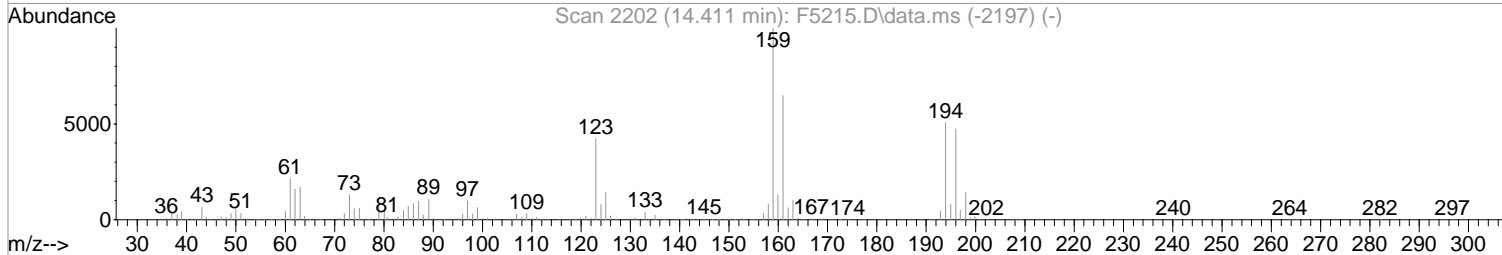
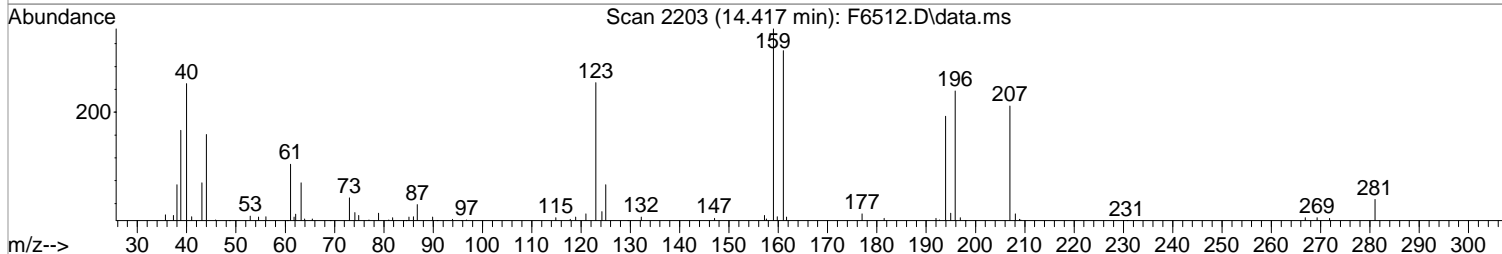
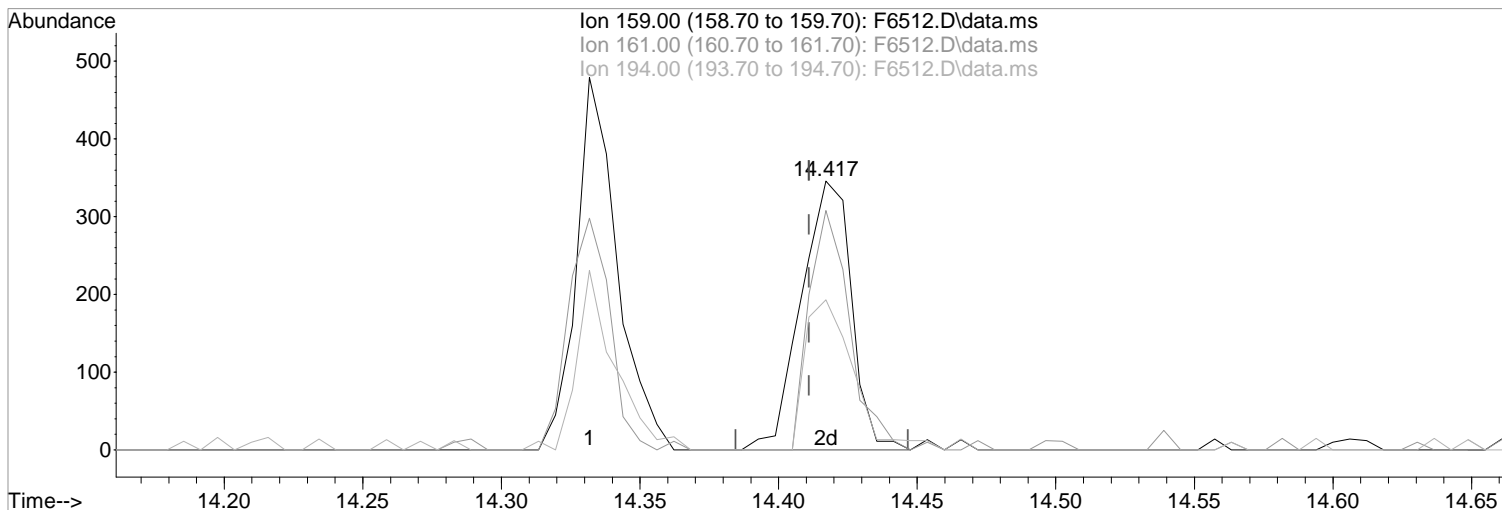
Tgt Ion	Resp	Lower	Upper
180	100		
182	56.9	75.8	115.8#
145	47.6	9.0	49.0



Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 16:38:39 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6512.D\data.ms

(119) 2,3,6-Trichlorotoluene

14.417min (+0.006) 1.35 ug/L m

response 435

Ion Exp% Act%

159.00 100 100

161.00 64.80 89.02#

194.00 50.50 55.78

0.00 0.00 0.00

Manual Integration:

After

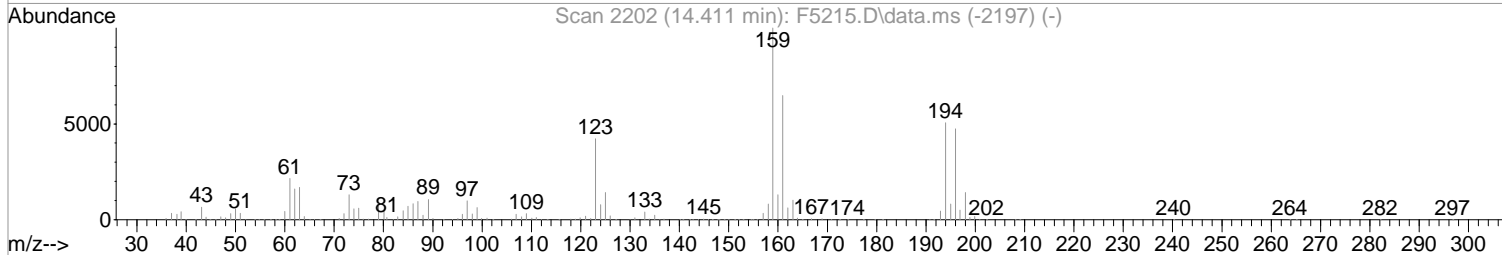
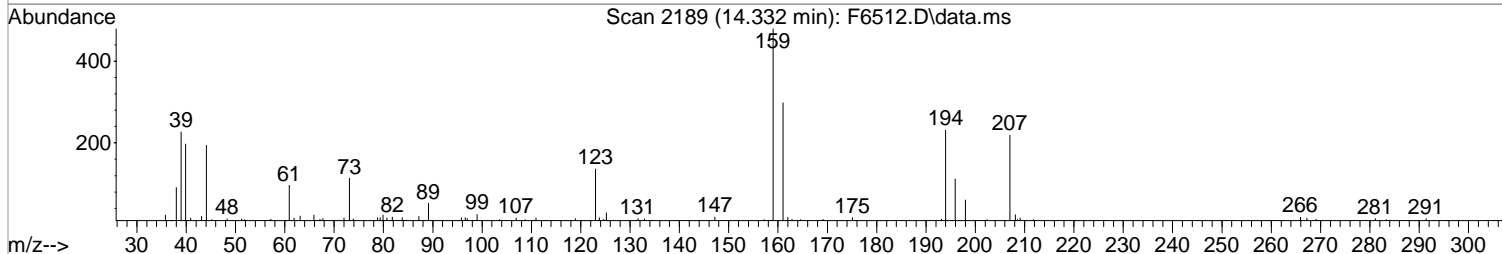
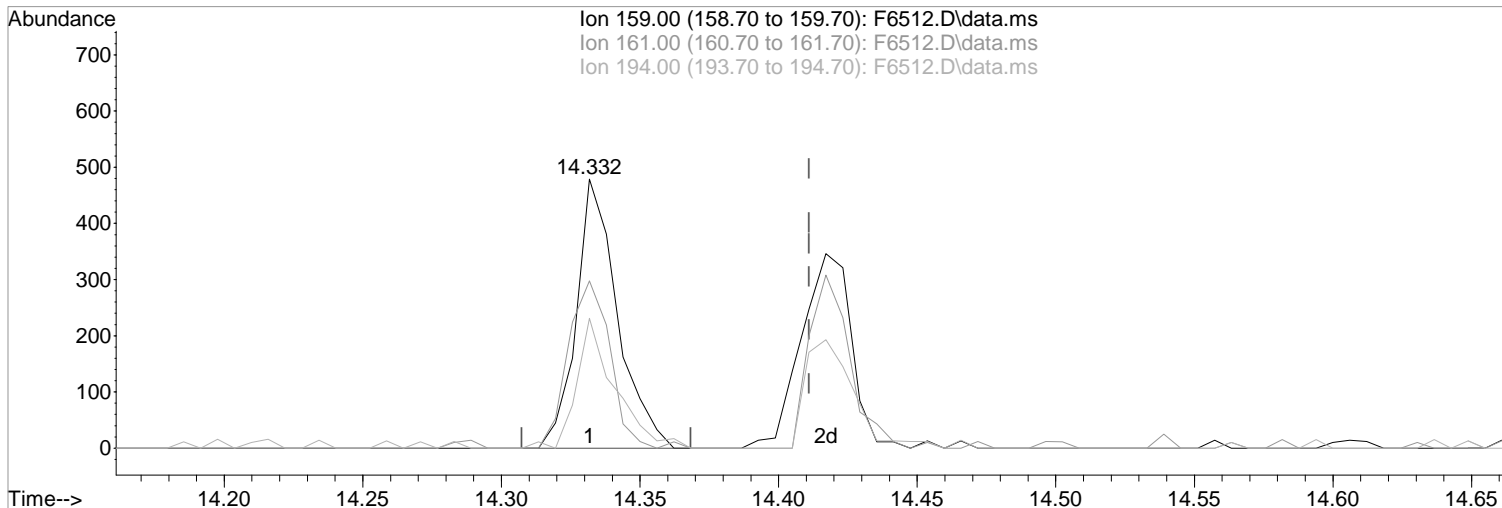
Wrong peak selected.

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 16:38:39 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6512.D\data.ms

(119) 2,3,6-Trichlorotoluene
14.332min (-0.079) 1.42 ug/L
response 493

Manual Integration:
Before

Ion	Exp%	Act%
159.00	100	100
161.00	64.80	62.21
194.00	50.50	48.23
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6512.D
 Acq On : 8 May 2019 4:21 pm
 Operator : F.NAEGLER
 Sample : MEDBLK|50.0 Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:12:14 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	238008	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	370990	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	326173	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.741	152	177359	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	106472	43.07	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	86.14%#		
47) surr1,1,2-dichloroetha...	5.114	65	137807	47.57	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	95.14%		
64) SURR3,Toluene-d8	7.943	98	445582	45.16	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	90.32%		
69) SURR2,BFB	10.729	95	171303	44.83	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	89.66%		
Target Compounds						
						Qvalue
3) Chloromethane	1.151	50	2014	0.65	ug/L	94
5) Bromomethane	1.407	94	1629	0.66	ug/L	99
15) Acetone	2.060	43	799	0.69	ug/L	88
17) Iodomethane	2.102	142	1053	1.62	ug/L	99
21) Methyl Acetate	2.322	43	2715	1.12	ug/L	96
34) 2-Butanone	3.846	43	2636	1.52	ug/L	96
88) Cyclohexanone	10.668	55	568	0.92	ug/L	75
111) Trielution Dichlorotol...	12.826	125	2528	0.62	ug/L	96
112) 1,3,5-Trichlorobenzene	12.875	180	913	0.25	ug/L	92
113) Coelution Dichlorotoluene	13.155	125	1975	0.45	ug/L	92
114) 1,2,4-Tcbenzene	13.368	180	918	0.57	ug/L	91
115) Hexachlorobt	13.515	225	395	0.24	ug/L #	72
116) Naphthalen	13.551	128	1874	0.72	ug/L	95
117) 1,2,3-Tclbenzene	13.740	180	824	0.62	ug/L	91
118) 2,4,5-Trichlorotoluene	14.332	159	493	1.53	ug/L	95
119) 2,3,6-Trichlorotoluene	14.417	159	435m	1.35	ug/L	

OK soil limits

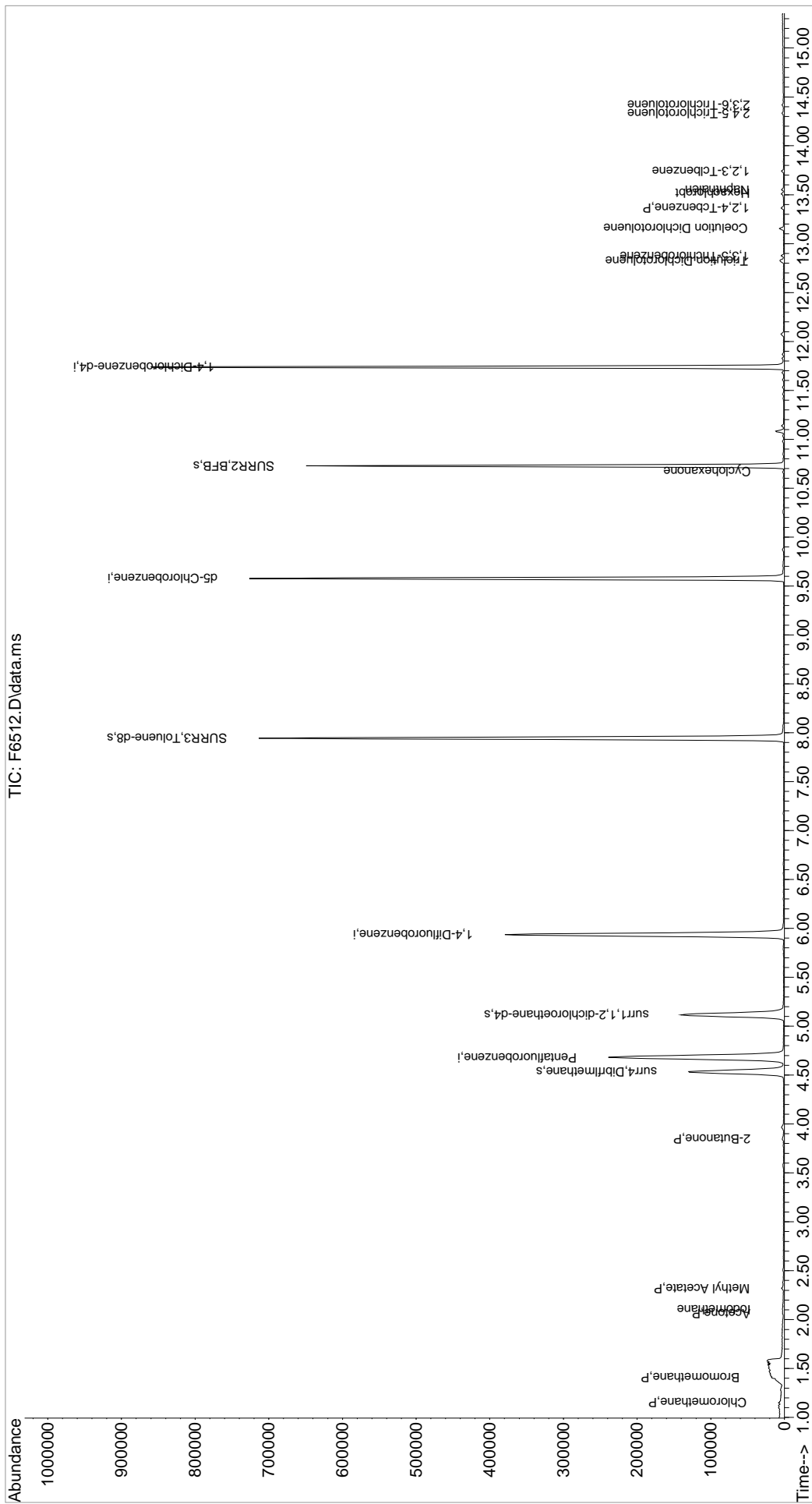
(#) = qualifier out of range (m) = manual integration (+) = signals summed

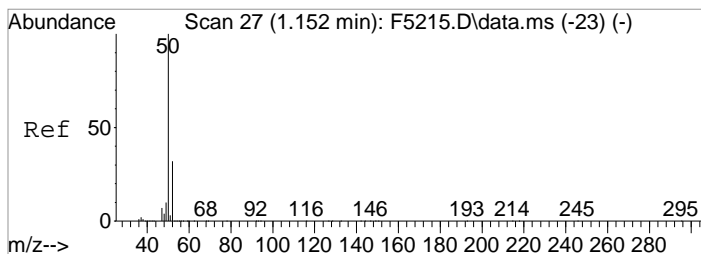
Quantitation Report (QT Reviewed)

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6512.D
Acq On : 8 May 2019 4:21 pm
Operator : F.NAEGLER
Sample : MEDBLK|50.0
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

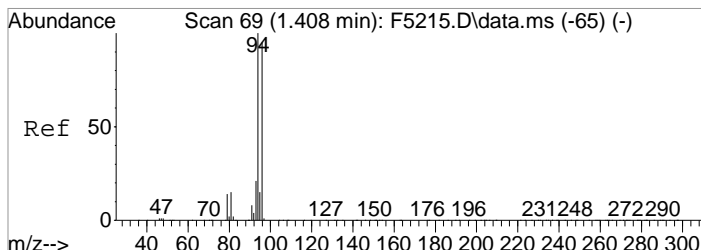
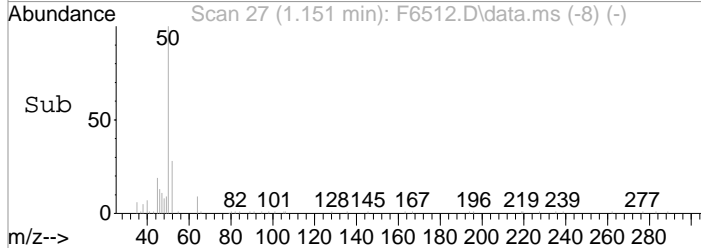
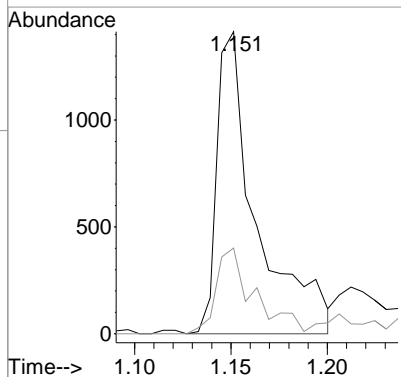
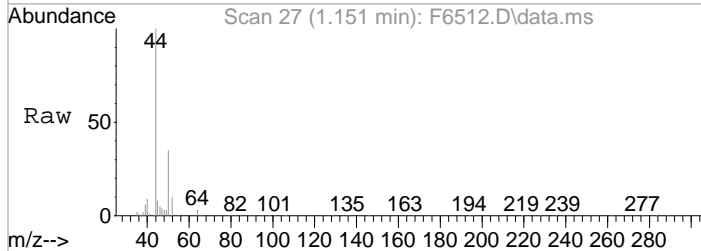
Quant Time: May 10 10:12:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration





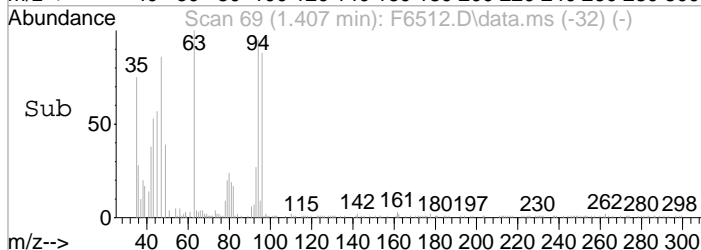
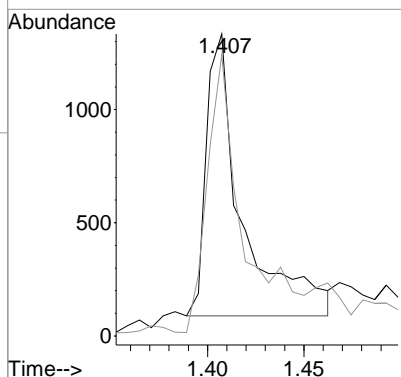
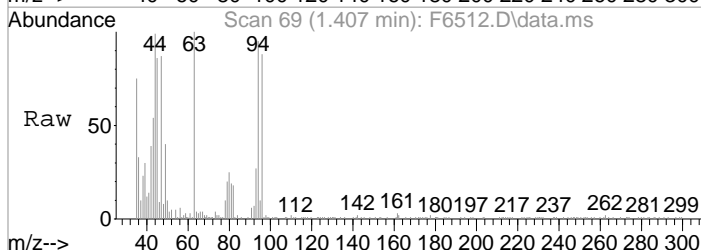
#3
 Chloromethane
 Concen: 0.65 ug/L
 RT: 1.151 min Scan# 27
 Delta R.T. -0.000 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

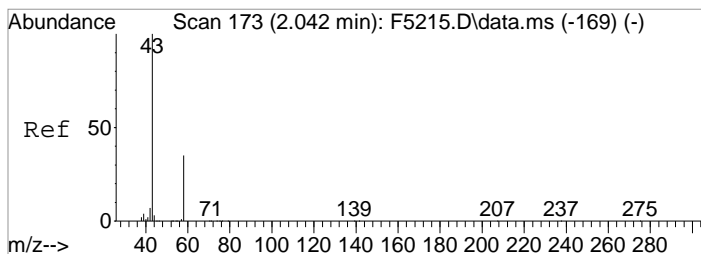
Tgt Ion	Resp	Lower	Upper
50	100		
52	28.4	11.9	51.9



#5
 Bromomethane
 Concen: 0.66 ug/L
 RT: 1.407 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

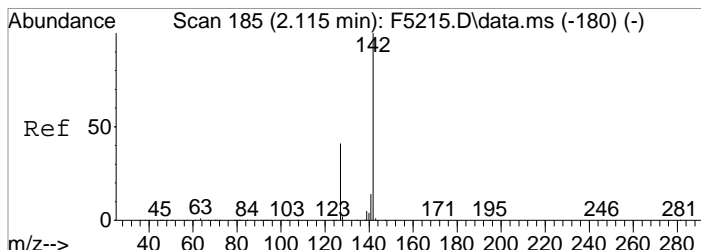
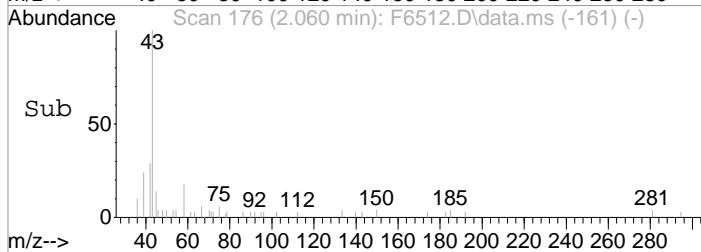
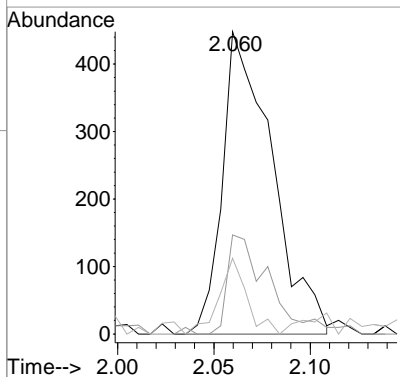
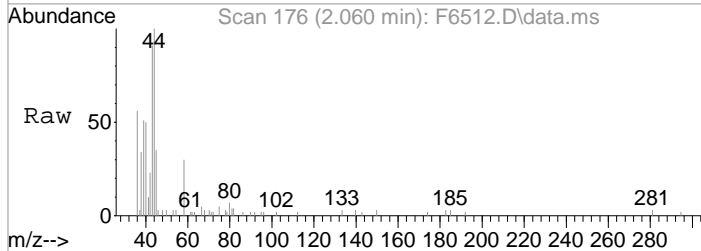
Tgt Ion	Resp	Lower	Upper
94	100		
96	93.1	74.5	114.5





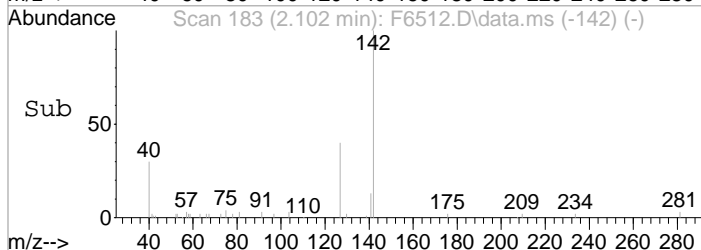
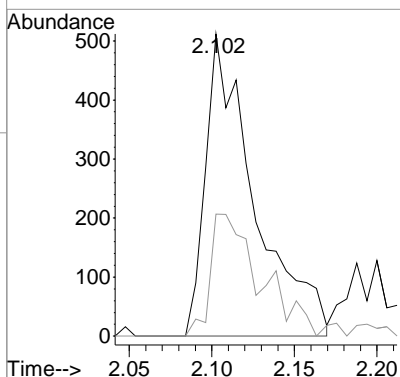
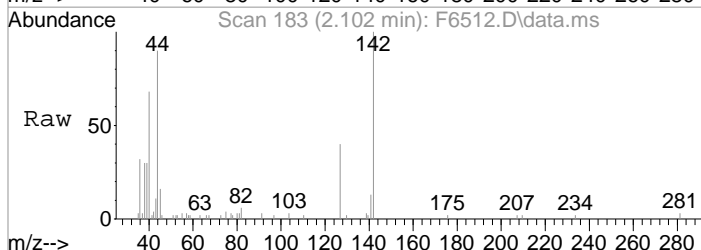
#15
 Acetone
 Concen: 0.69 ug/L
 RT: 2.060 min Scan# 176
 Delta R.T. 0.019 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

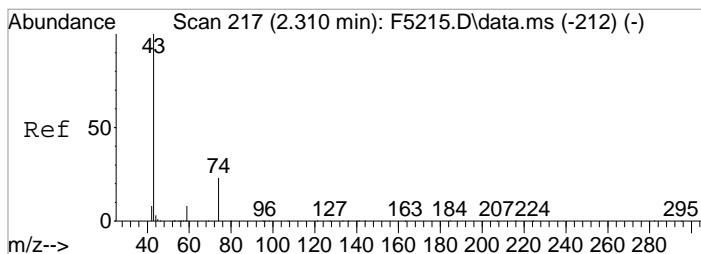
Tgt Ion	Resp	Lower	Upper
43	100		
58	32.8	14.7	54.7
42	25.0	0.0	27.4



#17
 Iodomethane
 Concen: 1.62 ug/L
 RT: 2.102 min Scan# 183
 Delta R.T. -0.012 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

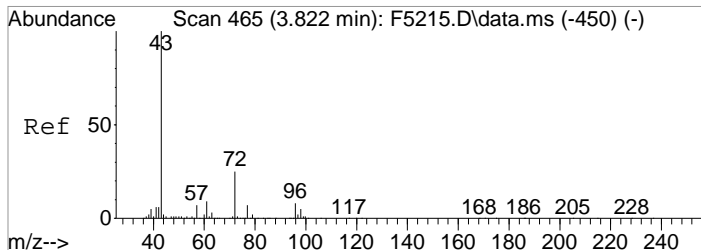
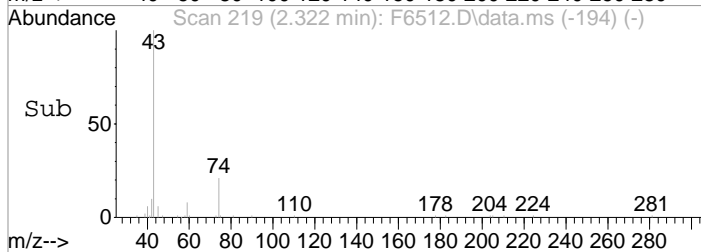
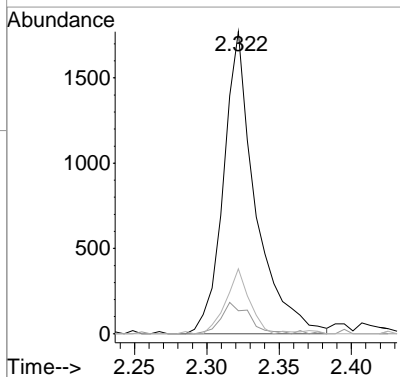
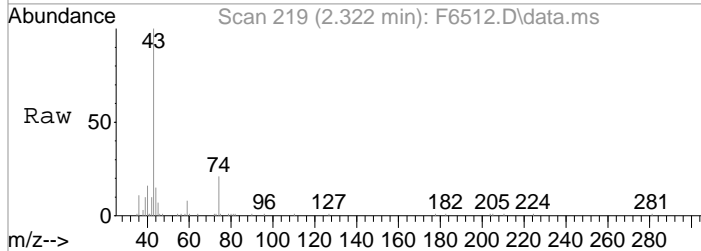
Tgt Ion	Resp	Lower	Upper
142	100		
127	40.4	21.2	61.2





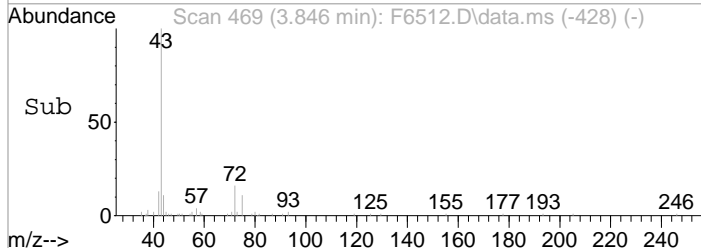
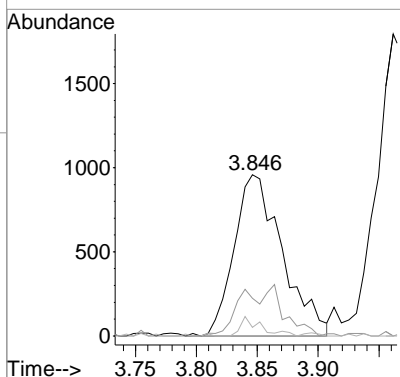
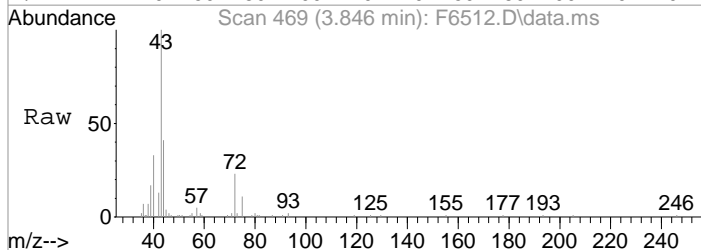
#21
 Methyl Acetate
 Concen: 1.12 ug/L
 RT: 2.322 min Scan# 219
 Delta R.T. 0.012 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

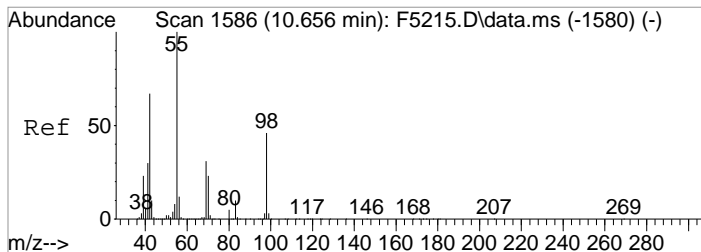
Tgt Ion	Resp	Lower	Upper
43	2715		
59	7.6	0.0	28.2
74	21.5	3.6	43.6



#34
 2-Butanone
 Concen: 1.52 ug/L
 RT: 3.846 min Scan# 469
 Delta R.T. 0.024 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

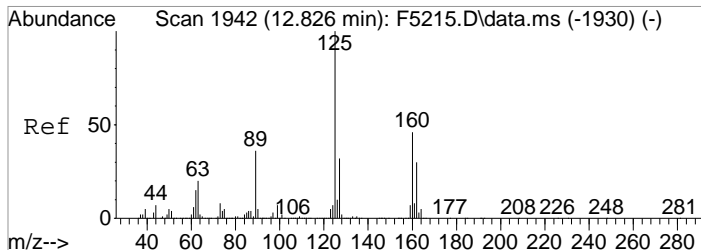
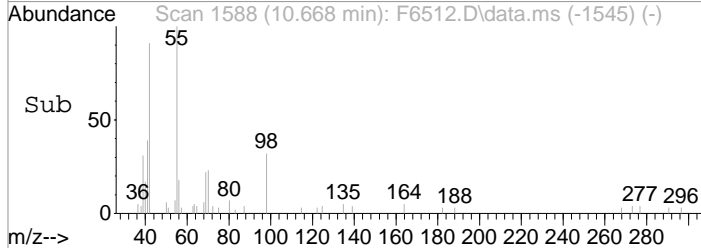
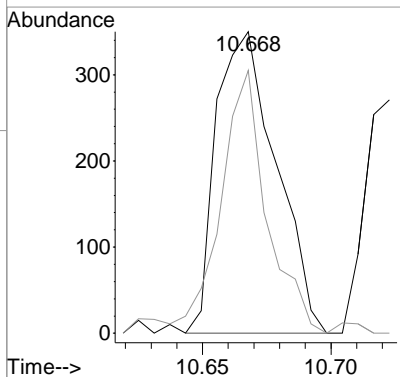
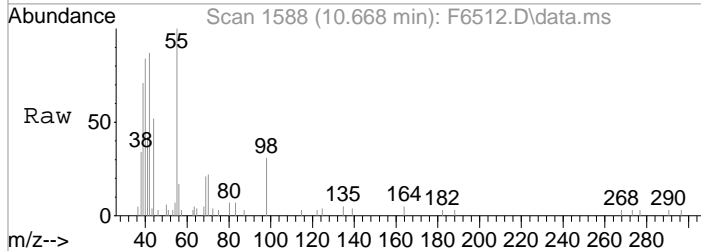
Tgt Ion	Resp	Lower	Upper
43	2636		
72	23.4	4.8	44.8
57	5.2	0.0	27.7





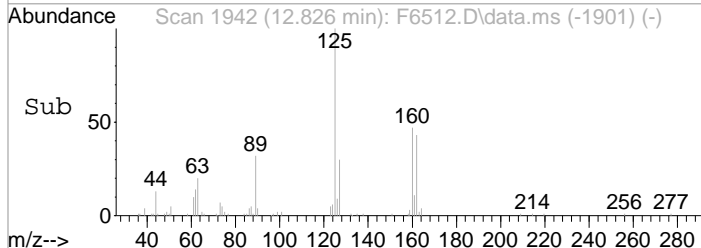
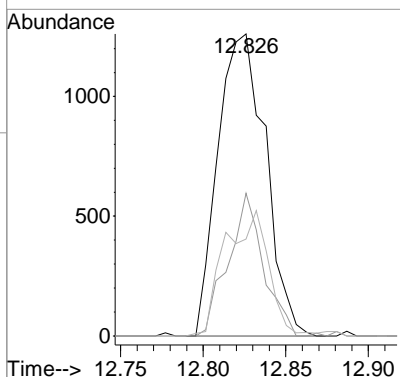
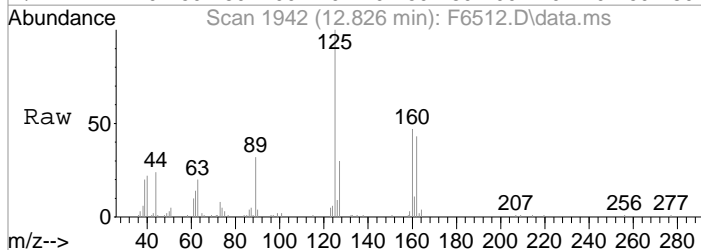
#88
 Cyclohexanone
 Concen: 0.92 ug/L
 RT: 10.668 min Scan# 1588
 Delta R.T. 0.013 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

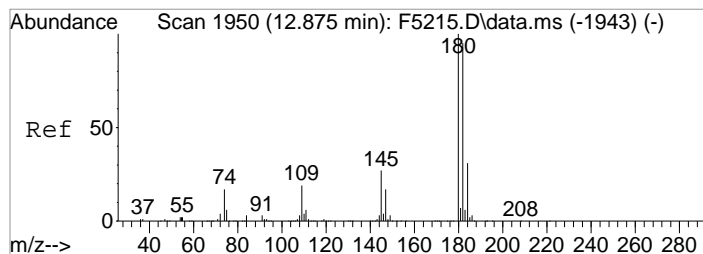
Tgt Ion	Resp	Lower	Upper
55	100		
42	87.1	47.2	87.2



#111
 Trilution Dichlorotoluene
 Concen: 0.62 ug/L
 RT: 12.826 min Scan# 1942
 Delta R.T. -0.000 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

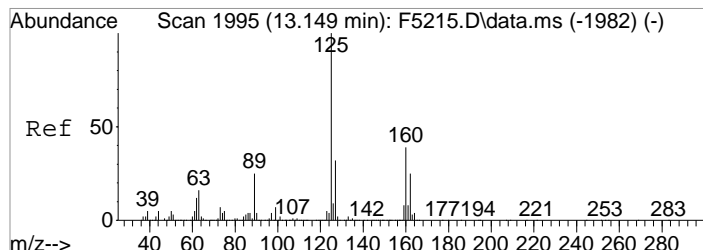
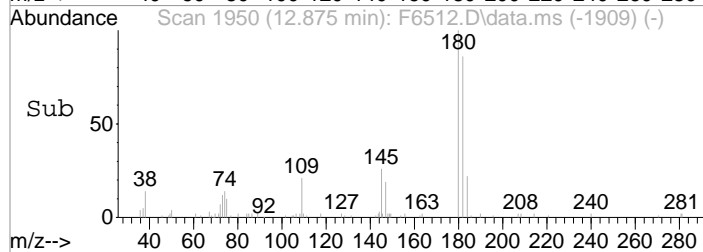
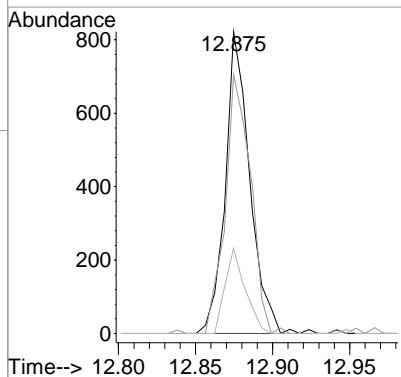
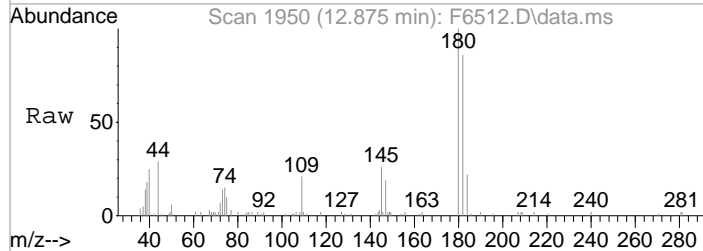
Tgt Ion	Resp	Lower	Upper
125	100		
160	47.2	26.1	66.1
89	32.1	16.2	56.2





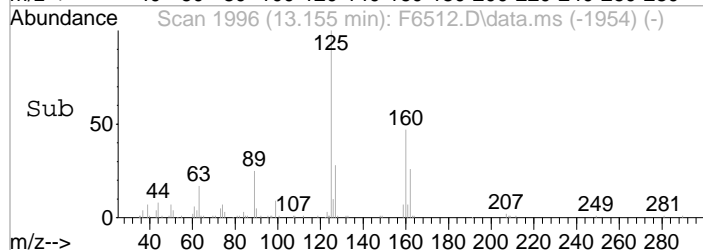
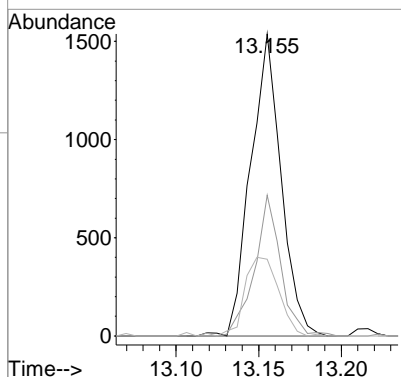
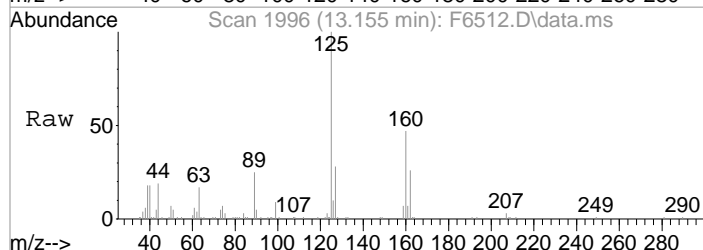
#112
 1,3,5-Trichlorobenzene
 Concen: 0.25 ug/L
 RT: 12.875 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

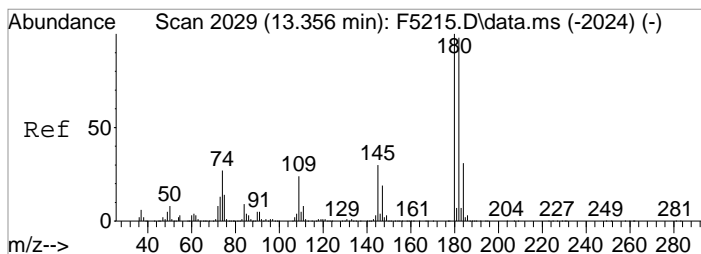
Tgt Ion	Resp	Lower	Upper
180	100		
182	85.6	74.9	114.9
145	28.2	6.9	46.9



#113
 Coelution Dichlorotoluene
 Concen: 0.45 ug/L
 RT: 13.155 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

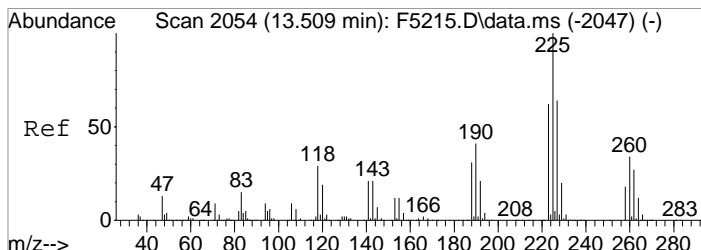
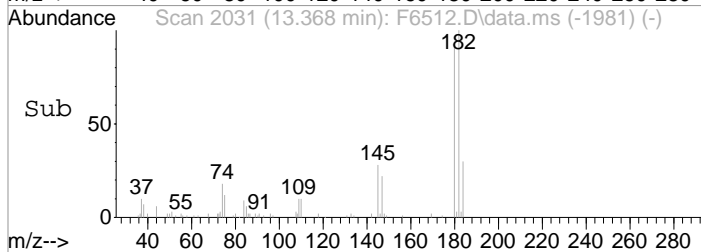
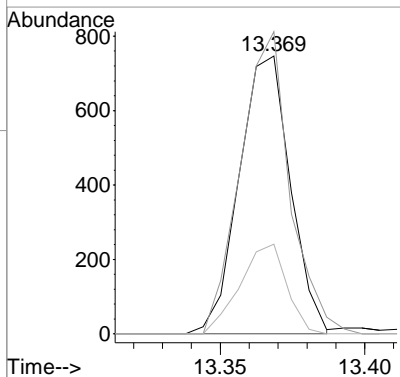
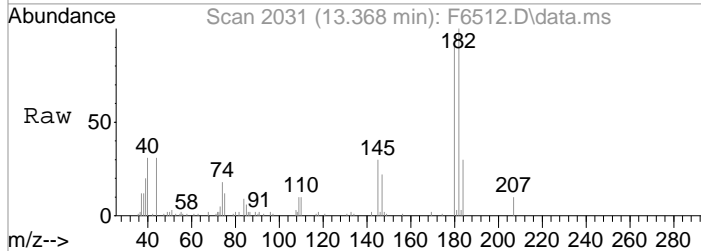
Tgt Ion	Resp	Lower	Upper
125	100		
160	46.6	19.0	59.0
89	25.4	5.0	45.0





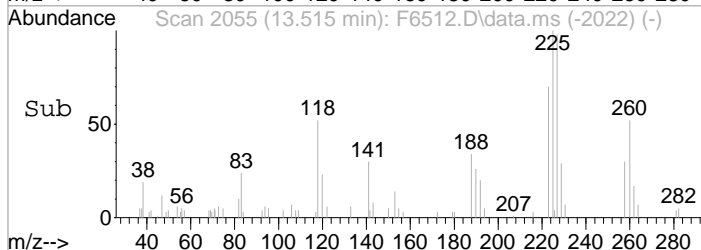
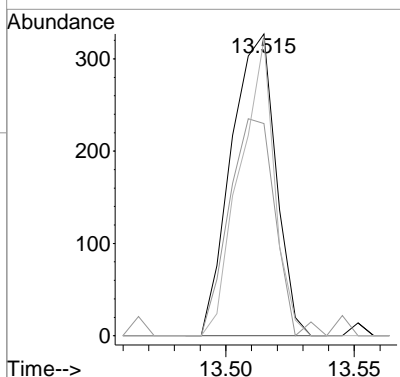
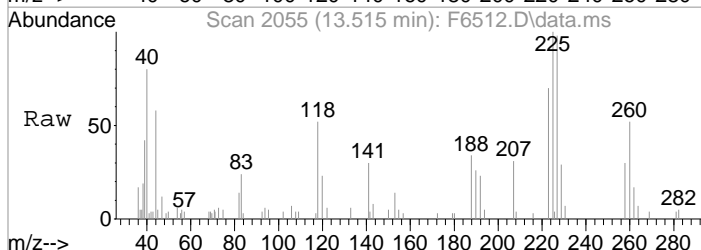
#114
 1,2,4-Tcbenzene
 Concen: 0.57 ug/L
 RT: 13.368 min Scan# 2031
 Delta R.T. 0.012 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

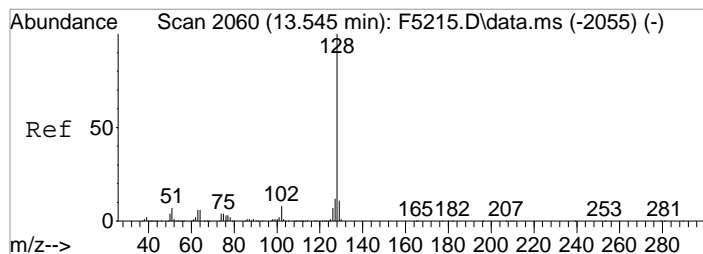
Tgt Ion	Resp	Lower	Upper
180	100		
182	108.7	78.2	118.2
145	32.3	10.4	50.4



#115
 Hexachlorobt
 Concen: 0.24 ug/L
 RT: 13.515 min Scan# 2055
 Delta R.T. 0.006 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

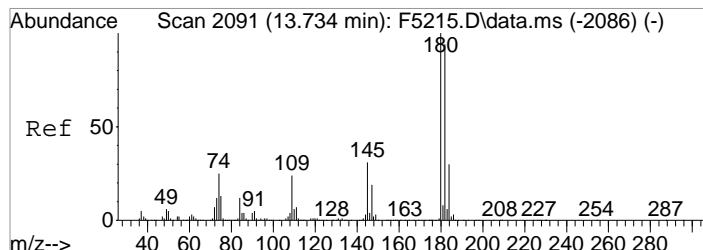
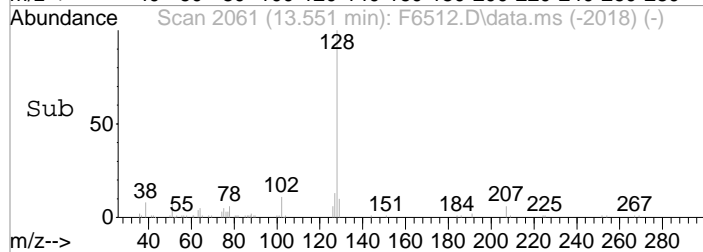
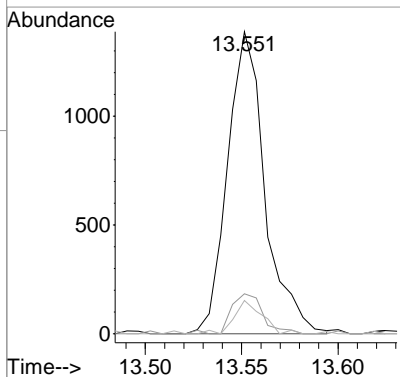
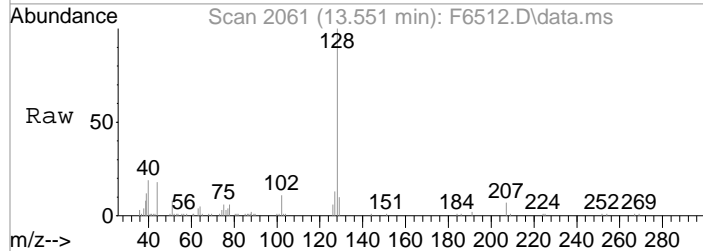
Tgt Ion	Resp	Lower	Upper
225	100		
223	70.3	41.9	81.9
227	98.2	43.8	83.8#





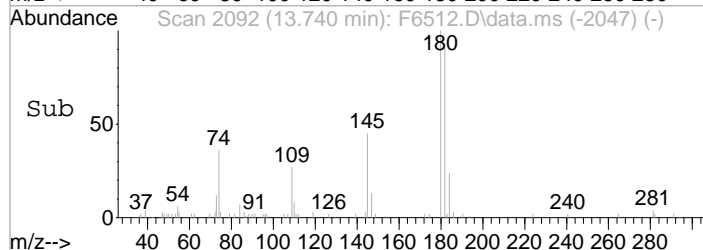
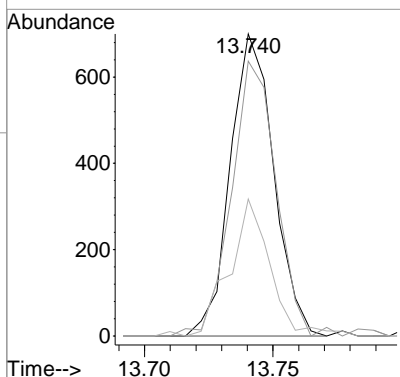
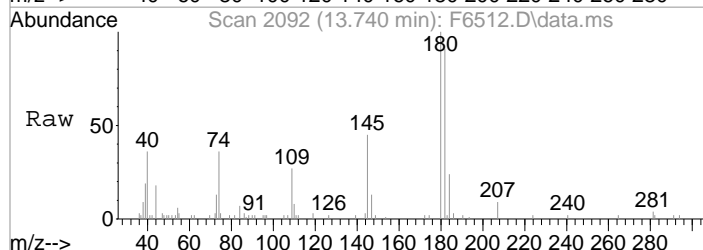
#116
 Naphthalen
 Concen: 0.72 ug/L
 RT: 13.551 min Scan# 2061
 Delta R.T. 0.006 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

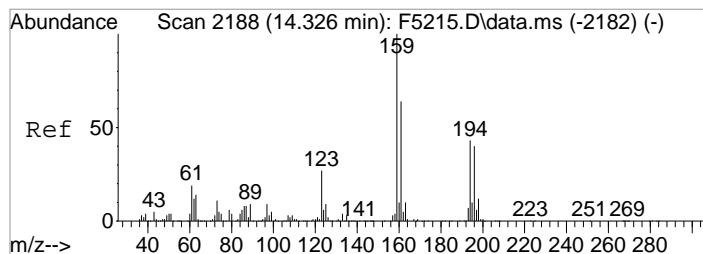
Tgt Ion	Resp	Lower	Upper
128	1874		
127	13.2	0.0	32.4
102	11.0	0.0	28.1



#117
 1,2,3-Tclbenzene
 Concen: 0.62 ug/L
 RT: 13.740 min Scan# 2092
 Delta R.T. 0.006 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

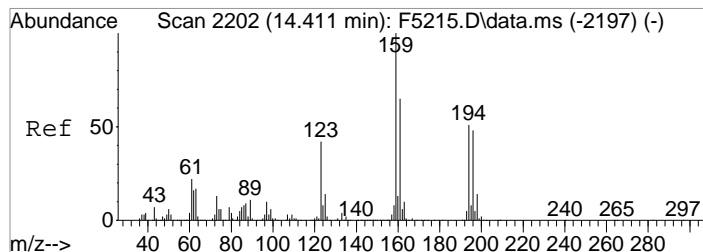
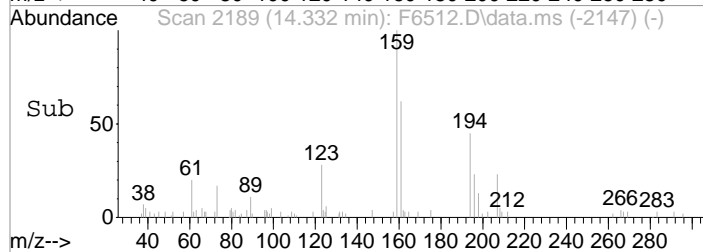
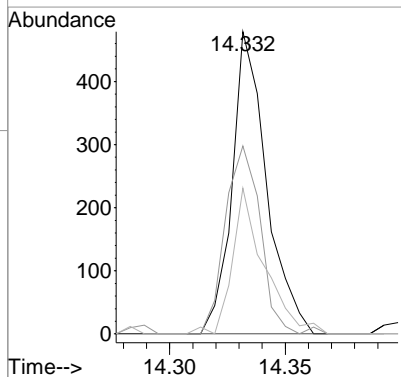
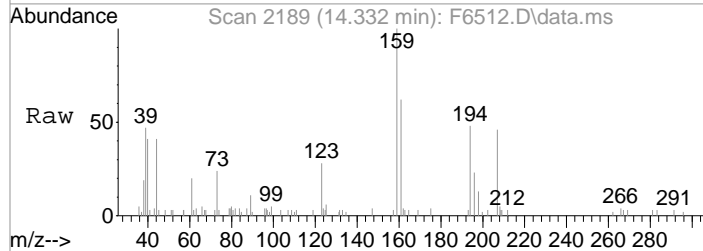
Tgt Ion	Resp	Lower	Upper
180	824		
182	91.0	74.0	114.0
145	45.3	11.3	51.3





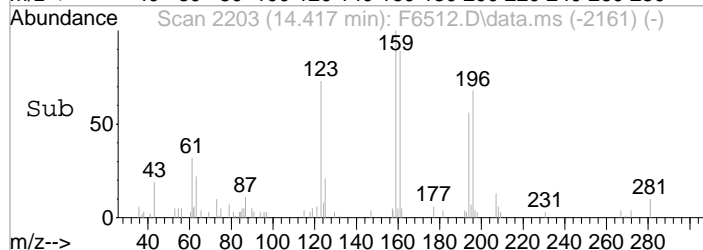
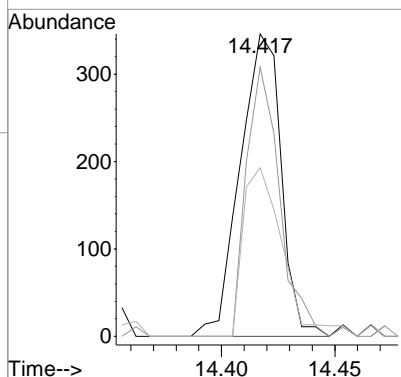
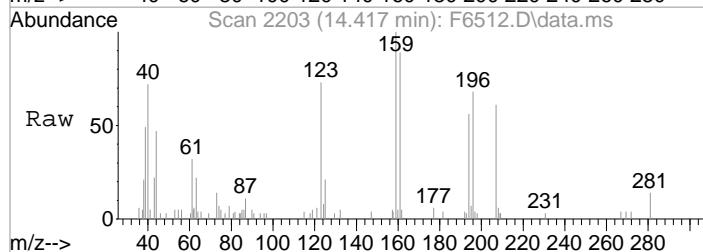
#118
 2,4,5-Trichlorotoluene
 Concen: 1.53 ug/L
 RT: 14.332 min Scan# 2189
 Delta R.T. 0.007 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

Tgt Ion	Resp	Lower	Upper
159	100		
161	62.2	44.0	84.0
194	48.2	22.5	62.5



#119
 2,3,6-Trichlorotoluene
 Concen: 1.35 ug/L m
 RT: 14.417 min Scan# 2203
 Delta R.T. 0.006 min
 Lab File: F6512.D
 Acq: 8 May 2019 4:21 pm

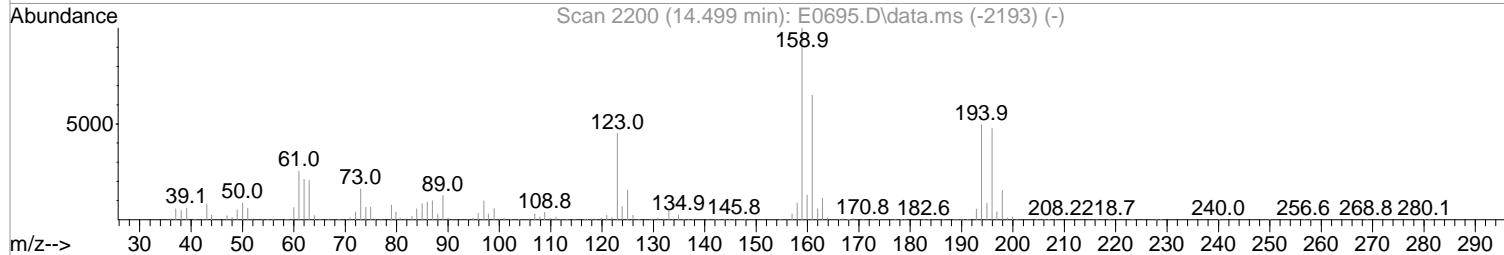
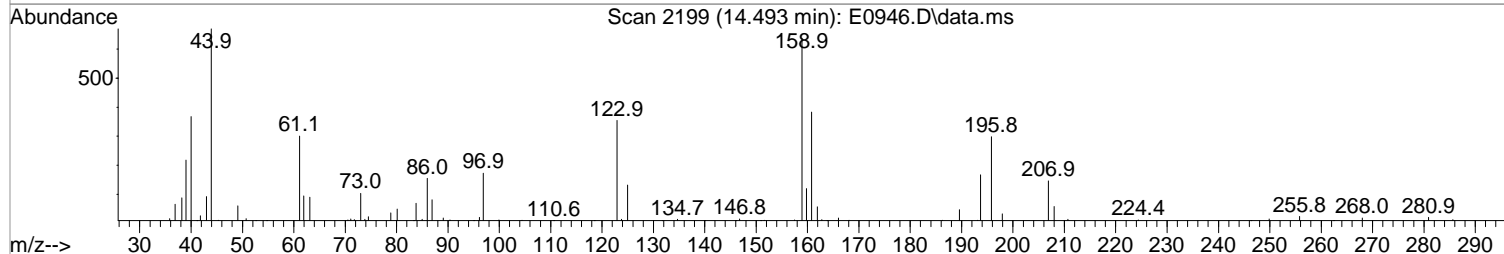
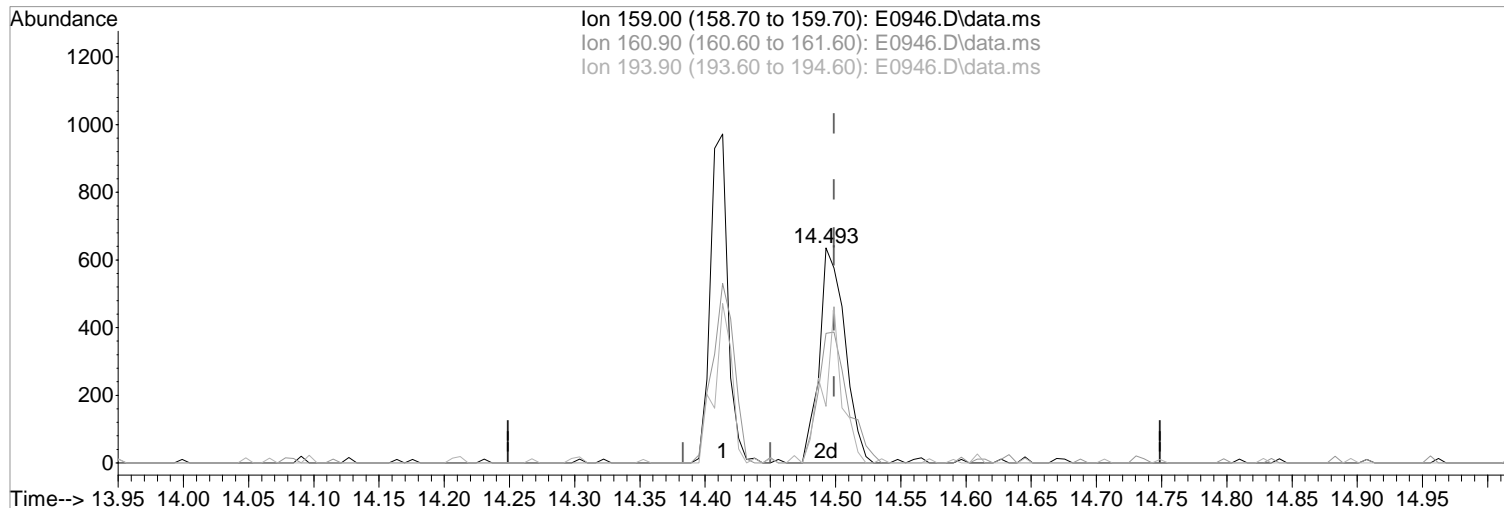
Tgt Ion	Resp	Lower	Upper
159	100		
161	89.0	44.8	84.8#
194	55.8	30.5	70.5



Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 23:21:33 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(119) 2,3,6-Trichlorotoluene
14.493min (-0.006) 0.30 ug/L m
response 869

Manual Integration:
After
Wrong peak selected.

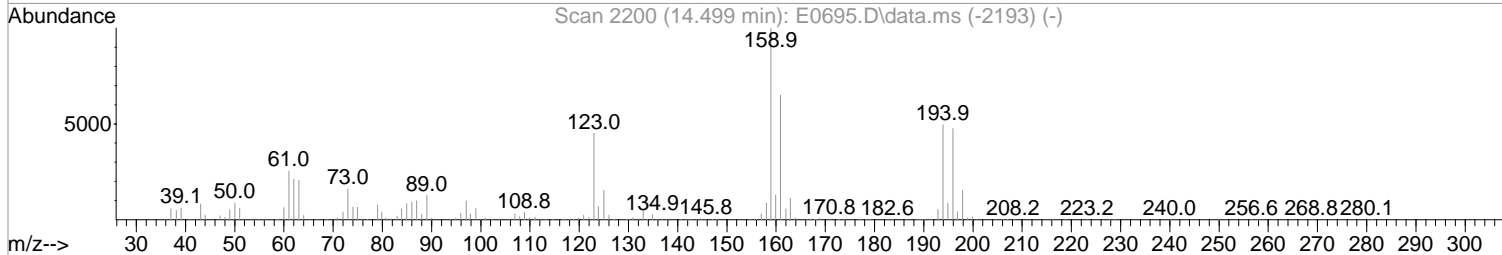
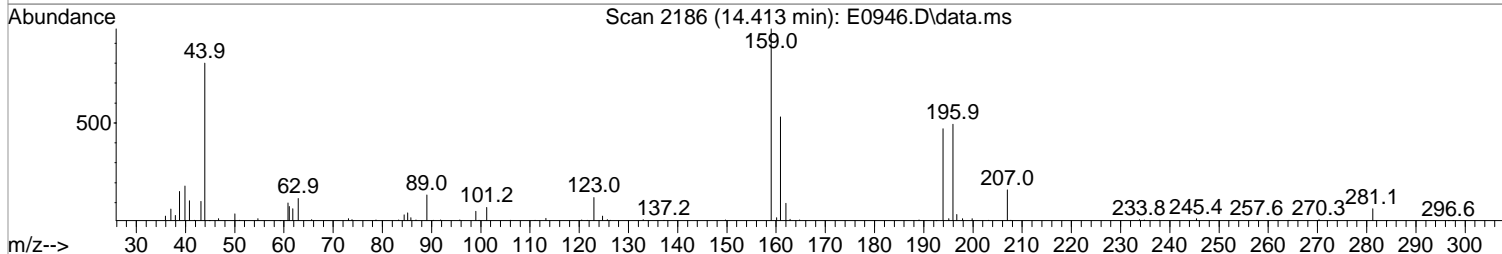
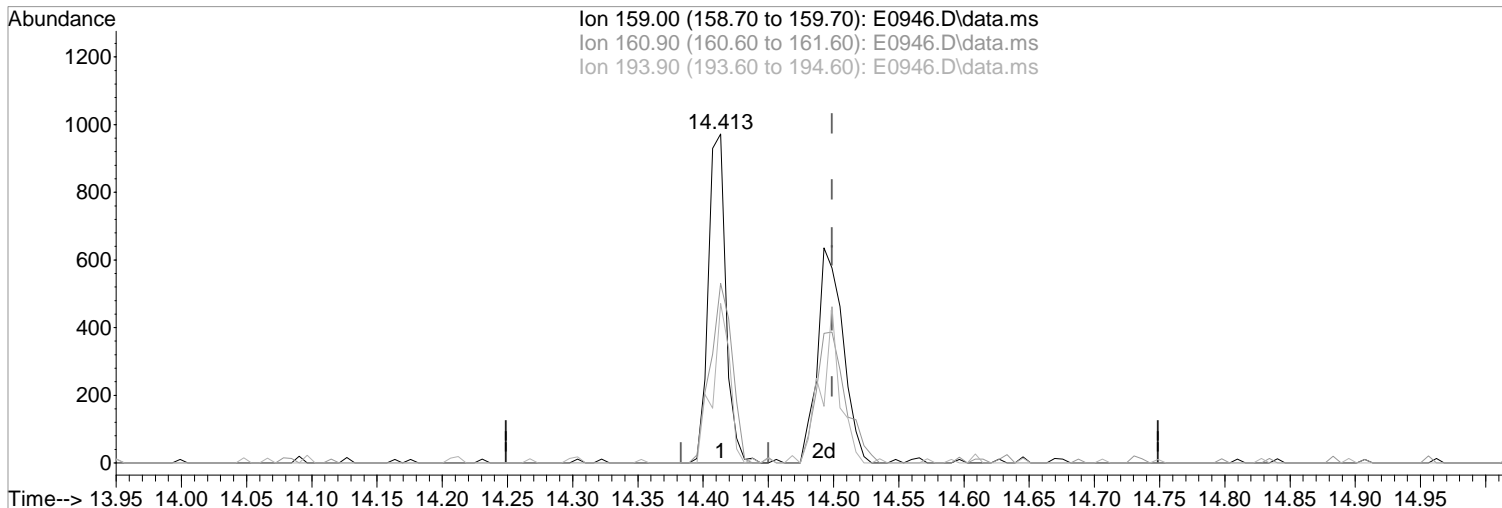
Ion	Exp%	Act%
159.00	100	100
160.90	65.00	60.22
193.90	49.60	26.26#
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 23:21:33 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0946.D\data.ms

(119) 2,3,6-Trichlorotoluene
14.413min (-0.085) 0.31 ug/L
response 919

Manual Integration:
Before

Ion	Exp%	Act%
159.00	100	100
160.90	65.00	54.63
193.90	49.60	48.46
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0946.D
 Acq On : 8 May 2019 11:26 am
 Operator : D.LIPANI
 Sample : MET BLK Inst : MSVOA10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 23:23:32 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

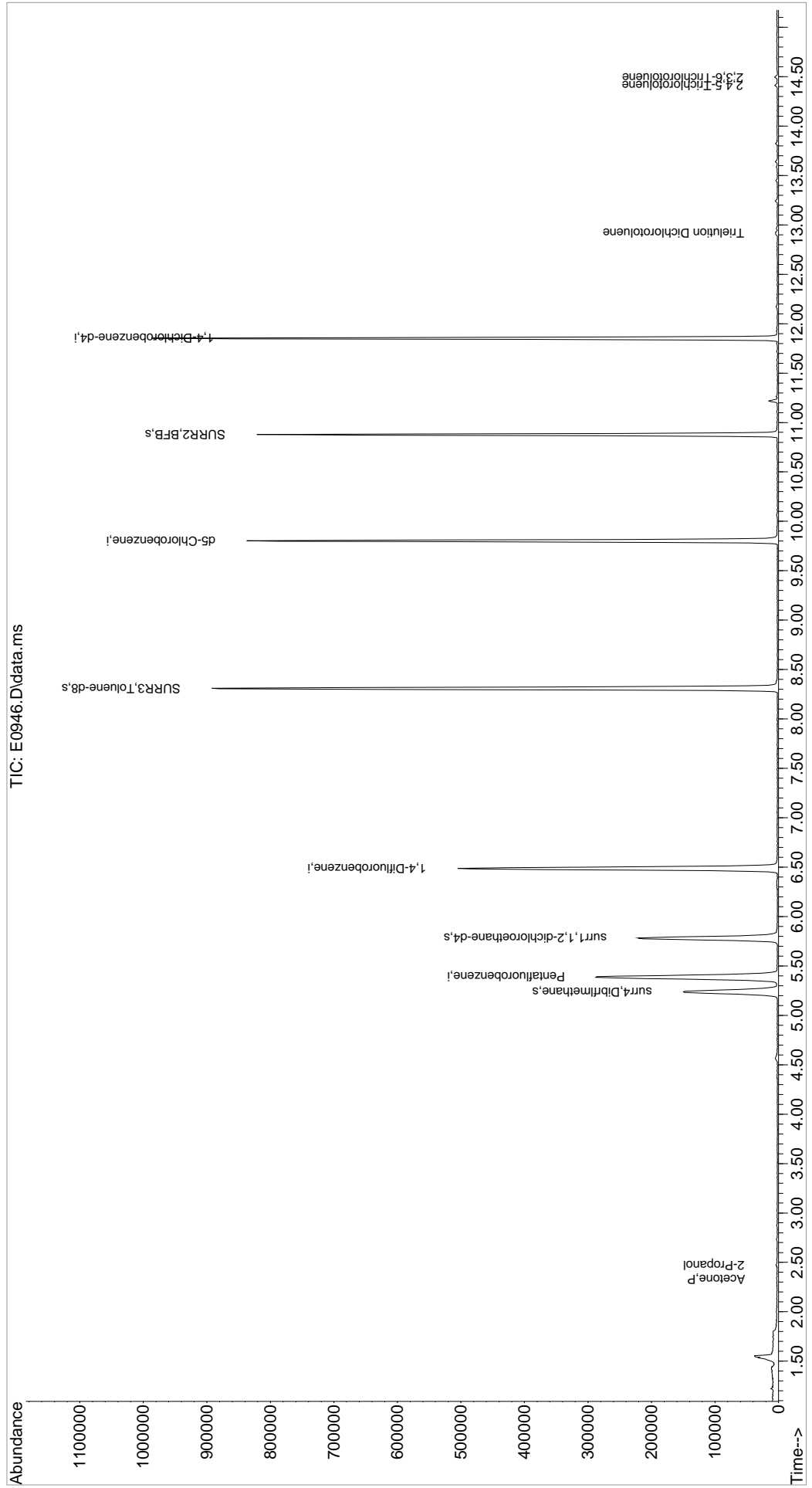
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	263257	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	414200	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	354893	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	180056	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	127309	46.92	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	93.84%		
46) surr1,1,2-dichloroetha...	5.781	65	190651	49.83	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	99.66%		
64) SURR3,Toluene-d8	8.311	98	542720	48.33	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	96.66%		
69) SURR2,BFB	10.878	95	201335	46.34	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	92.68%		
Target Compounds						
5) Bromomethane	1.581	94	318	Below Cal		79
15) Acetone	2.330	43	900	0.48	ug/L	85
16) 2-Propanol	2.471	45	610	1.56	ug/L #	41
111) Trielution Dichlorotol...	12.920	125	1751	0.33	ug/L	86
118) 2,4,5-Trichlorotoluene	14.413	159	919	0.36	ug/L	92
119) 2,3,6-Trichlorotoluene	14.493	159	869m	0.30	ug/L	

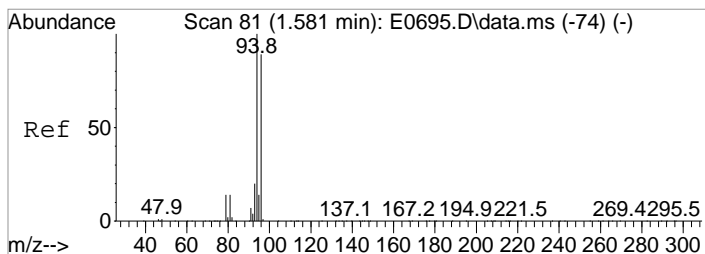
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\050819\
Data File : E0946.D
Acq On : 8 May 2019 11:26 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA10

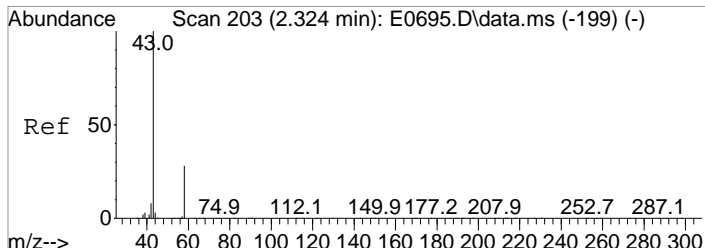
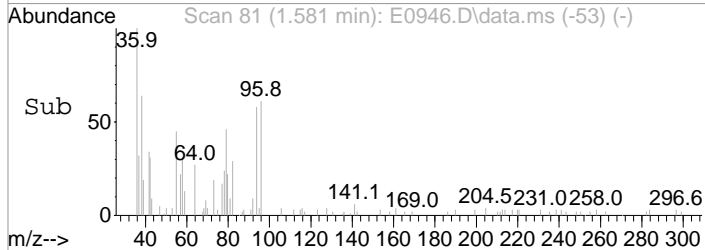
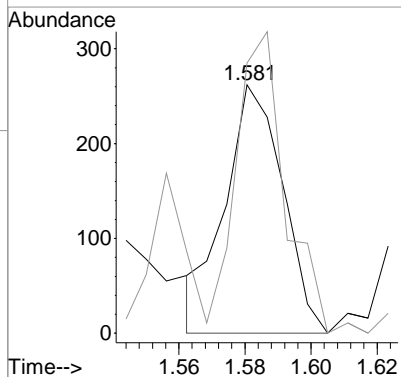
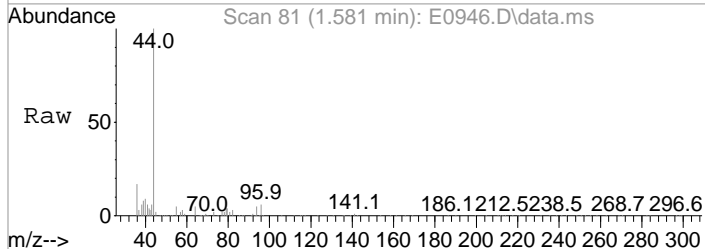
Quant Time: May 08 23:23:32 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





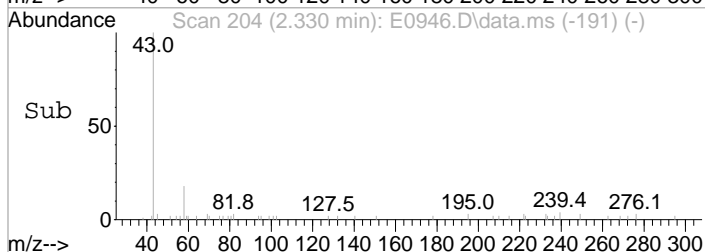
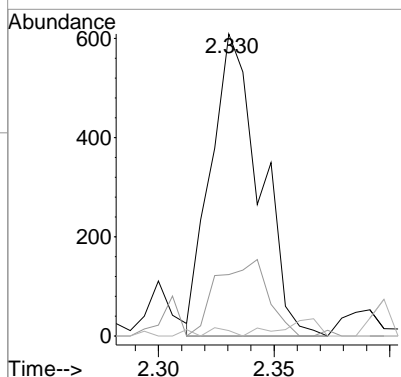
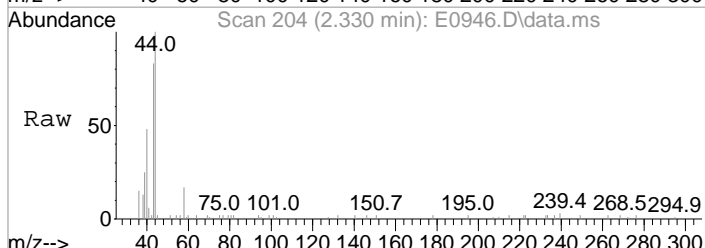
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.581 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

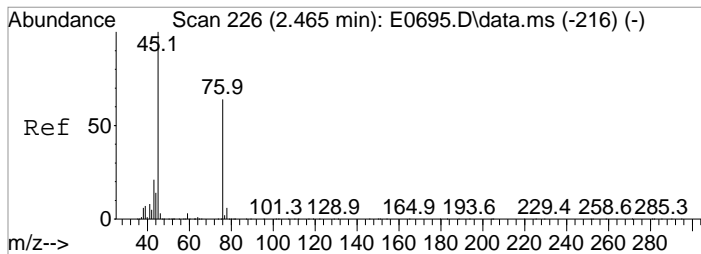
Tgt Ion	Resp	Lower	Upper
94	100		
96	108.8	69.0	109.0



#15
 Acetone
 Concen: 0.48 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

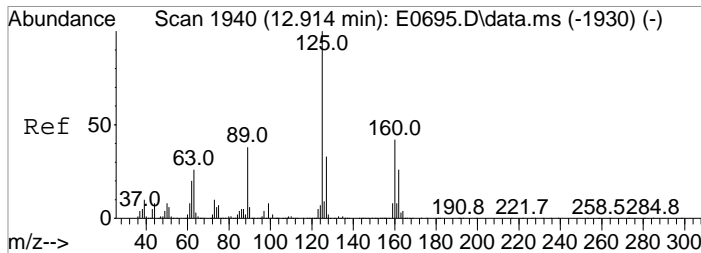
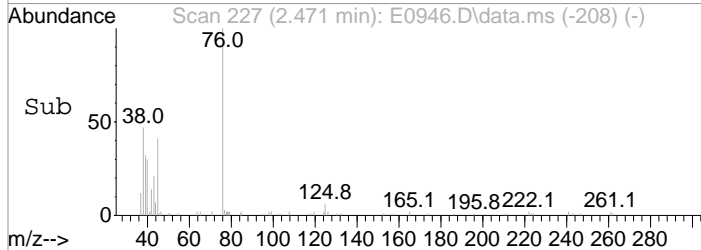
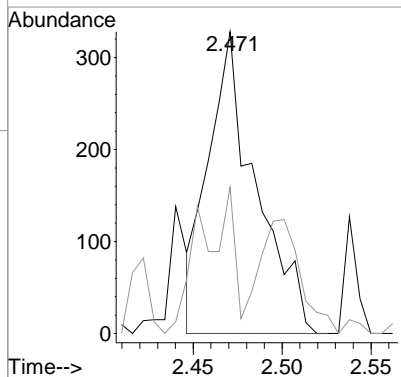
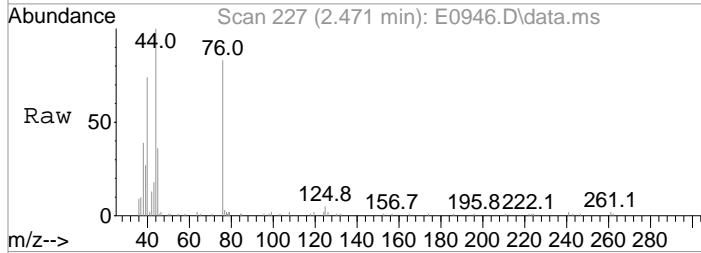
Tgt Ion	Resp	Lower	Upper
43	100		
58	20.4	7.8	47.8
42	1.8	0.0	27.8





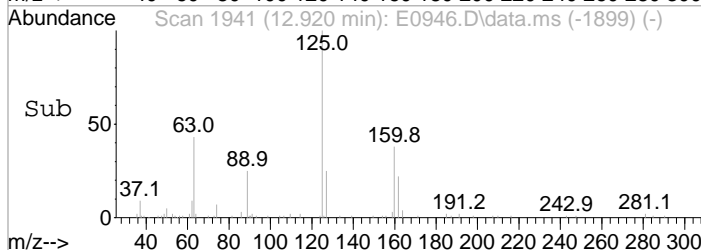
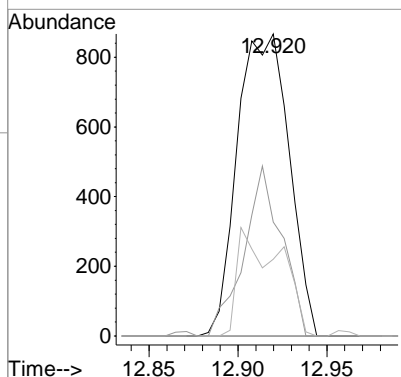
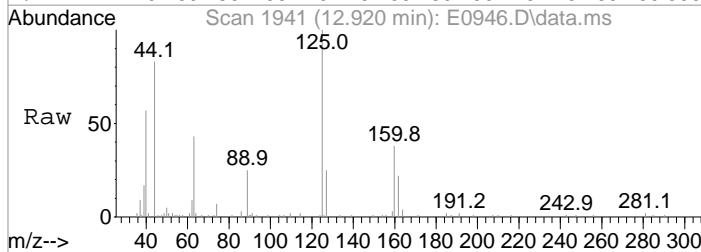
#16
 2-Propanol
 Concen: 1.56 ug/L
 RT: 2.471 min Scan# 227
 Delta R.T. 0.006 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

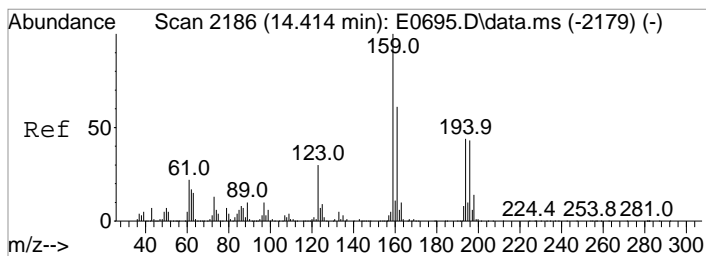
Tgt Ion: 45 Resp: 610
 Ion Ratio Lower Upper
 45 100
 43 48.5 0.9 40.9#



#111
 Trilution Dichlorotoluene
 Concen: 0.33 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. 0.006 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

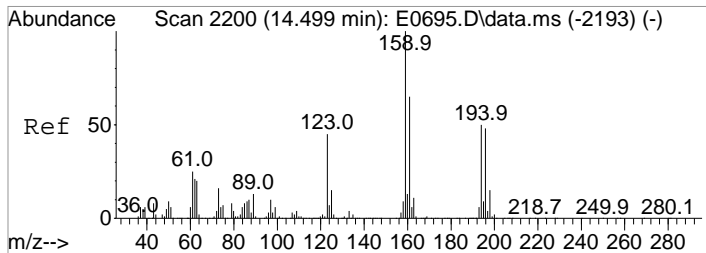
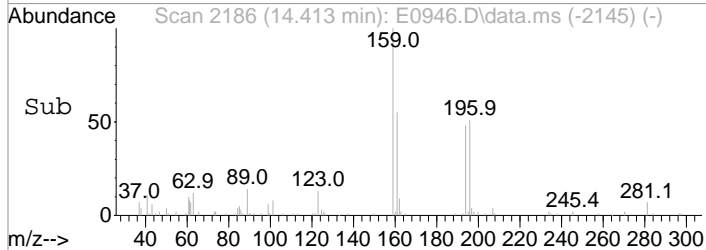
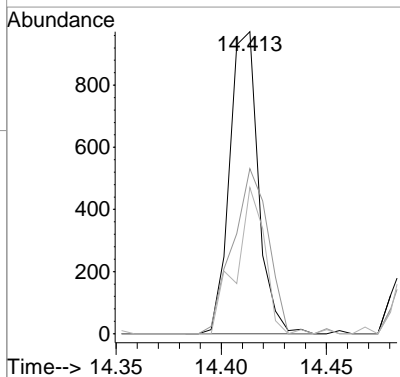
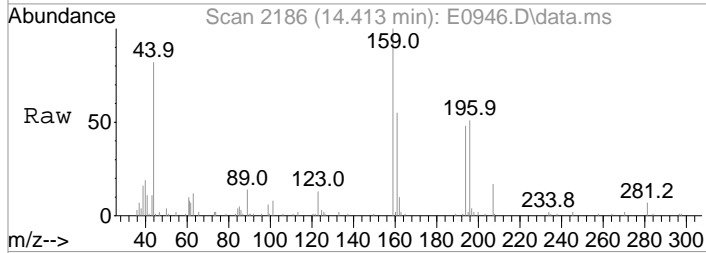
Tgt Ion: 125 Resp: 1751
 Ion Ratio Lower Upper
 125 100
 160 37.7 22.3 62.3
 89 25.4 17.9 57.9





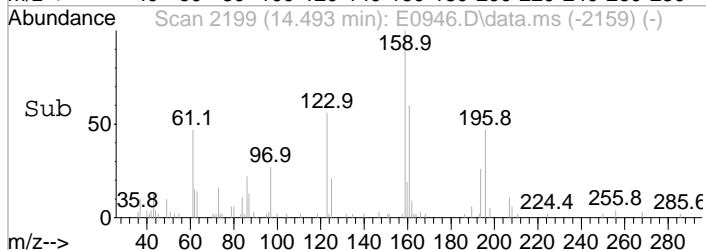
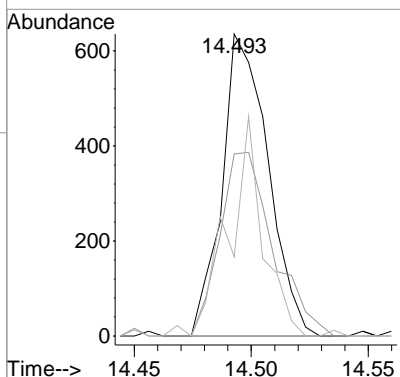
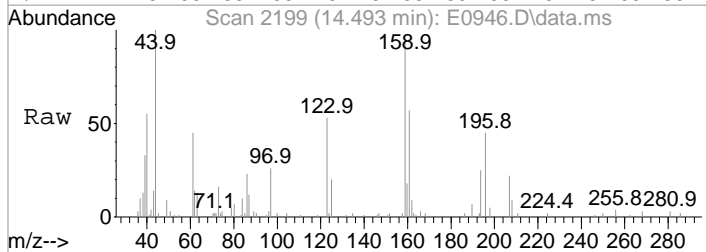
#118
 2,4,5-Trichlorotoluene
 Concen: 0.36 ug/L
 RT: 14.413 min Scan# 2186
 Delta R.T. -0.000 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

Tgt Ion	159	Resp	919
Ion Ratio	100	Lower	Upper
159	100		
161	54.6	41.2	81.2
194	48.5	24.5	64.5



#119
 2,3,6-Trichlorotoluene
 Concen: 0.30 ug/L m
 RT: 14.493 min Scan# 2199
 Delta R.T. -0.006 min
 Lab File: E0946.D
 Acq: 8 May 2019 11:26 am

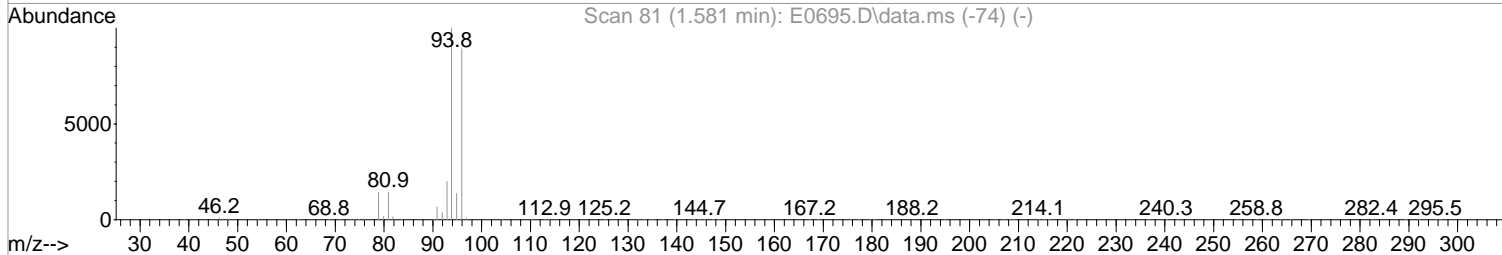
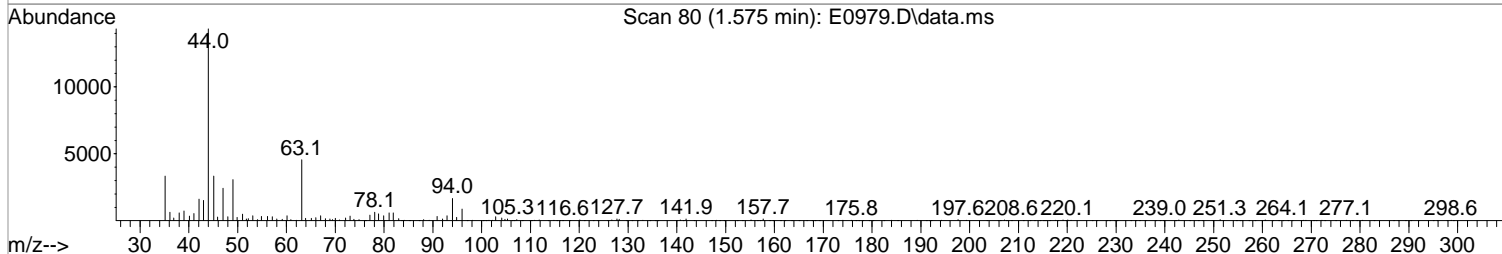
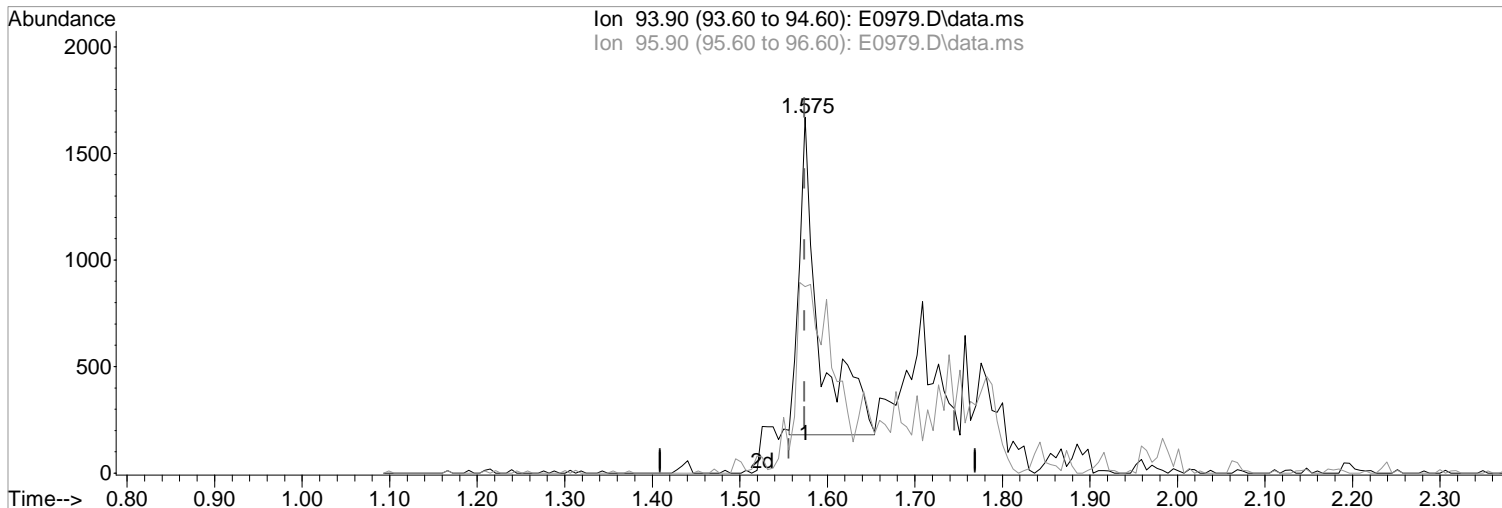
Tgt Ion	159	Resp	869
Ion Ratio	100	Lower	Upper
159	100		
161	60.2	45.0	85.0
194	26.3	29.6	69.6#



Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 13:41:59 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(5) Bromomethane (P)
1.575min (+0.001) 0.19 ug/L m
response 2392

Manual Integration:

After

Poor integration.

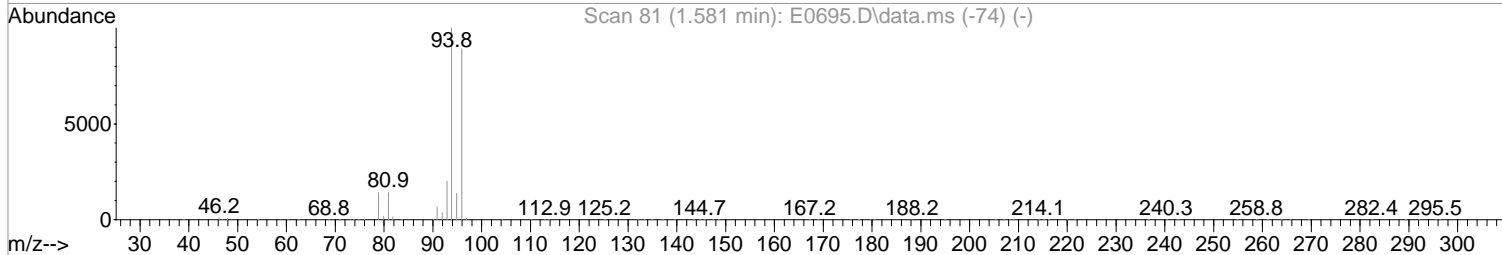
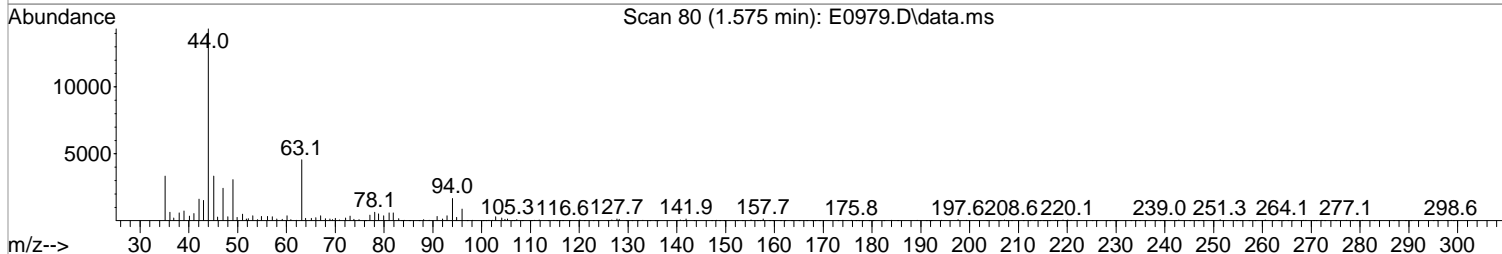
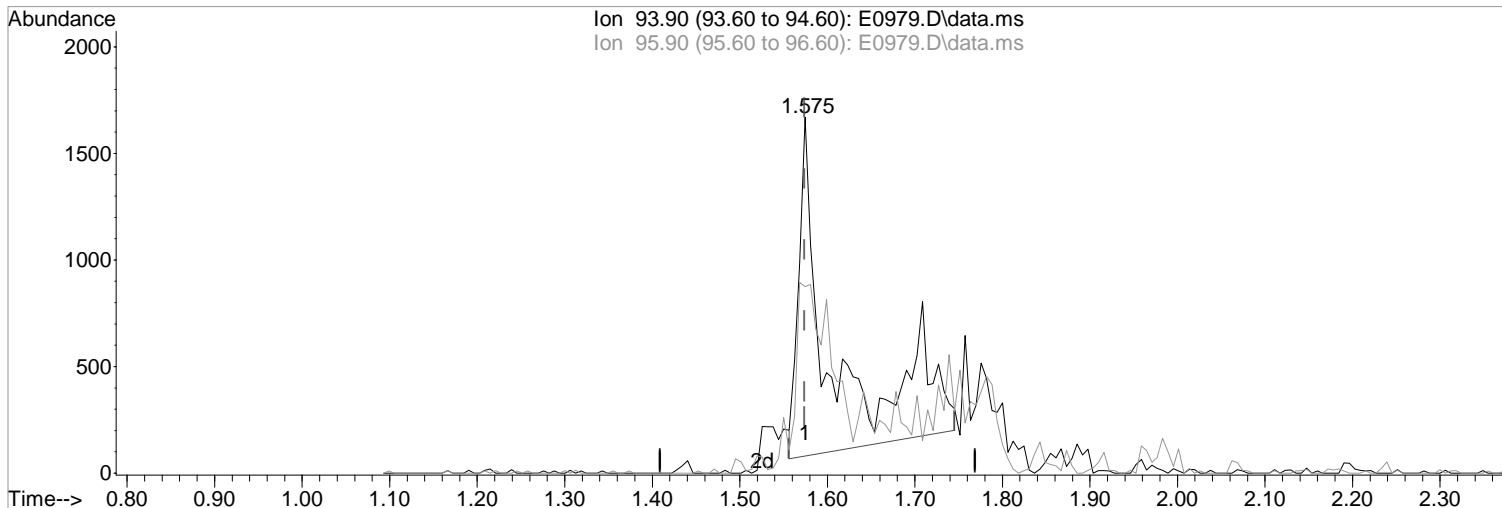
05/12/19

Ion	Exp%	Act%
93.90	100	100
95.90	89.00	52.43#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 13:41:59 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(5) Bromomethane (P)
1.575min (+0.001) 0.96 ug/L
response 4259

Manual Integration:
Before

Ion	Exp%	Act%
93.90	100	100
95.90	89.00	52.43#
0.00	0.00	0.00
0.00	0.00	0.00

05/12/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0979.D
 Acq On : 10 May 2019 12:34 pm
 Operator : D.LIPANI
 Sample : MET BLK-Med Inst : MSVOA10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 12 13:16:35 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

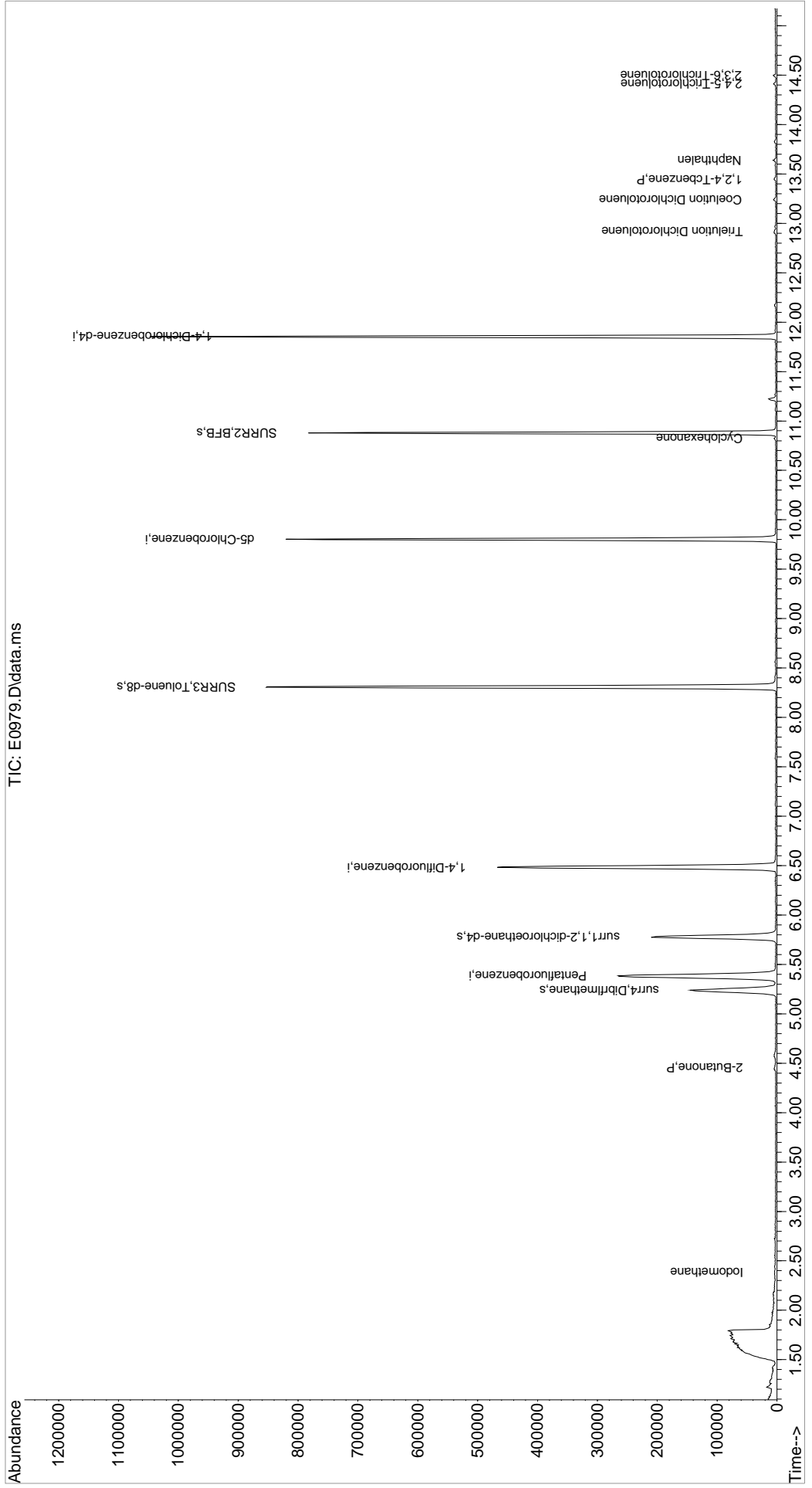
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	245763	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.482	114	389709	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	343842	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	187300	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	118069	46.25	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	92.50%	
46) surr1,1,2-dichloroetha...	5.775	65	177288	49.25	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	98.50%	
64) SURR3,Toluene-d8	8.311	98	514501	48.70	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	97.40%	
69) SURR2,BFB	10.878	95	205088	50.17	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	100.34%	
Target Compounds						
17) Iodomethane	2.385	142	669	1.65	ug/L	Qvalue 77
34) 2-Butanone	4.458	43	5046	2.26	ug/L	86
88) Cyclohexanone	10.823	55	1052	1.44	ug/L	93
111) Trielution Dichlorotol...	12.920	125	1471	0.27	ug/L	85
113) Coelution Dichlorotoluene	13.243	125	1311	0.22	ug/L	79
114) 1,2,4-Tcbenzene	13.444	180	1032	0.22	ug/L #	71
116) Naphthalen	13.639	128	2541	0.20	ug/L	98
118) 2,4,5-Trichlorotoluene	14.414	159	828	0.31	ug/L	88
119) 2,3,6-Trichlorotoluene	14.499	159	882	0.29	ug/L	83

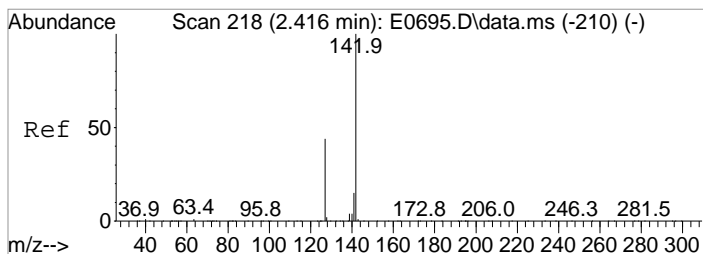
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\051019\
Data File : E0979.D
Acq On : 10 May 2019 12:34 pm
Operator : D.LIPANI
Sample : MET BLK-Med
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA10

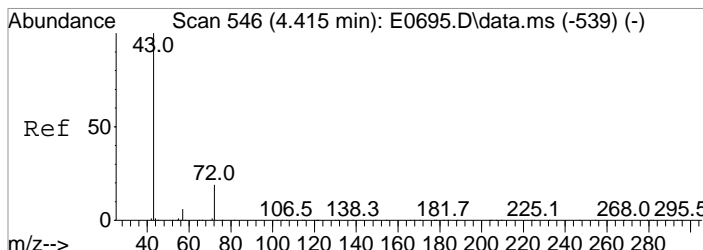
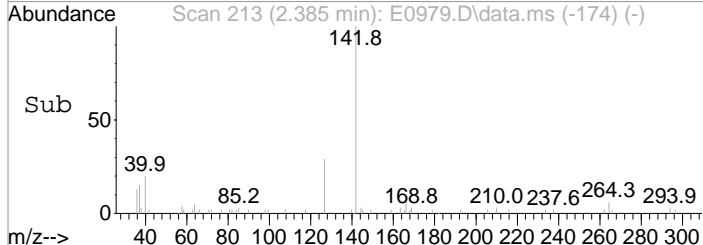
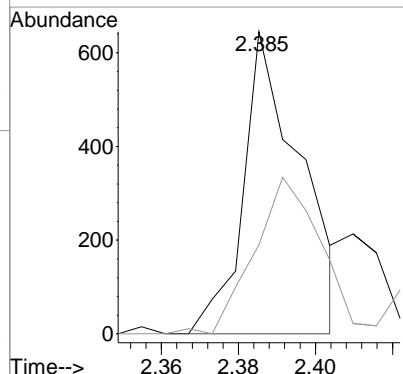
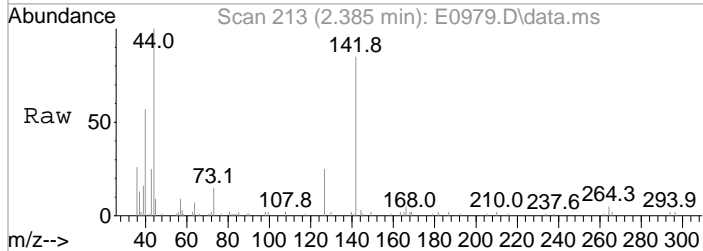
Quant Time: May 12 13:16:35 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





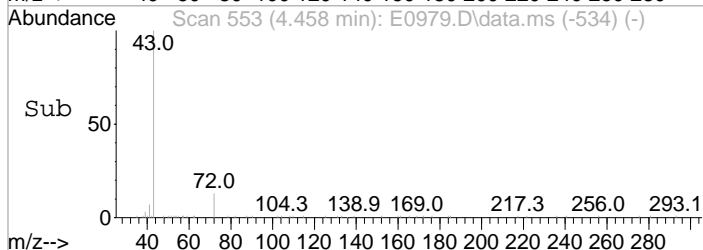
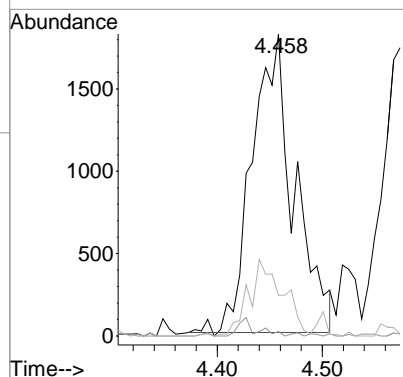
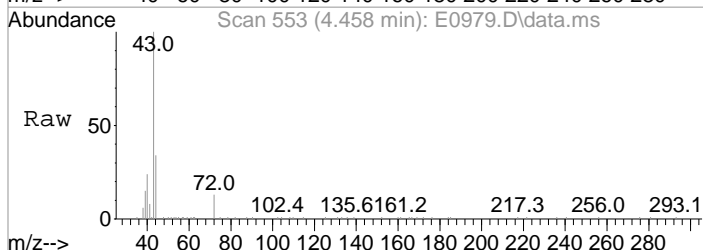
#17
 Iodomethane
 Concen: 1.65 ug/L
 RT: 2.385 min Scan# 213
 Delta R.T. -0.024 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

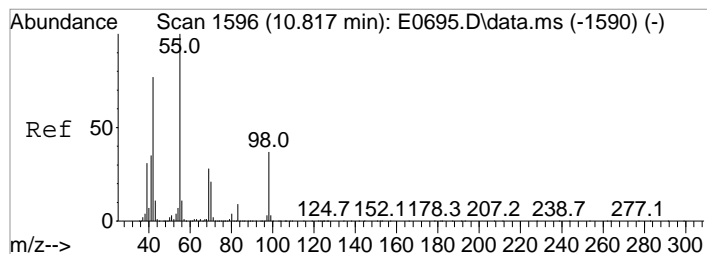
Tgt Ion	Resp	Lower	Upper
142	669		
142	100		
127	29.5	24.4	64.4



#34
 2-Butanone
 Concen: 2.26 ug/L
 RT: 4.458 min Scan# 553
 Delta R.T. 0.043 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

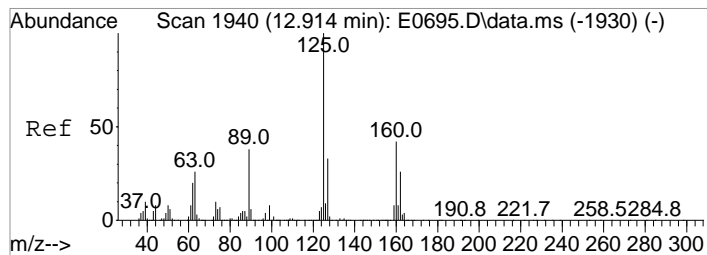
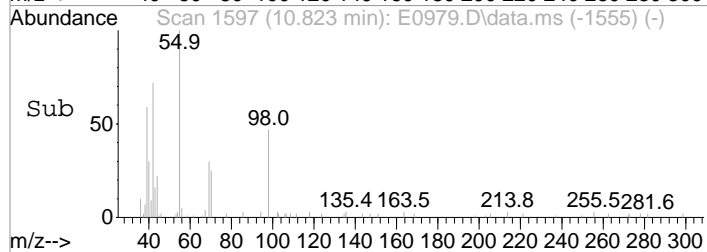
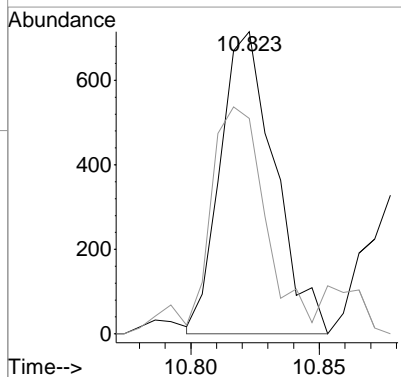
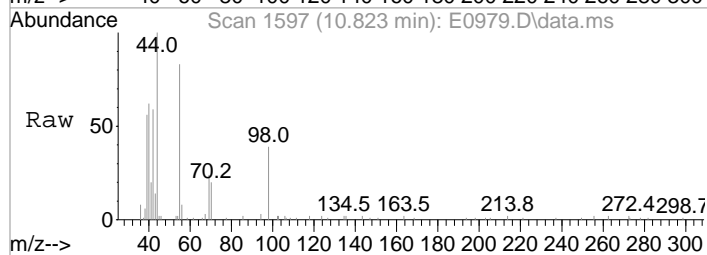
Tgt Ion	Resp	Lower	Upper
43	5046		
43	100		
57	1.5	0.0	25.7
72	13.5	0.0	40.0





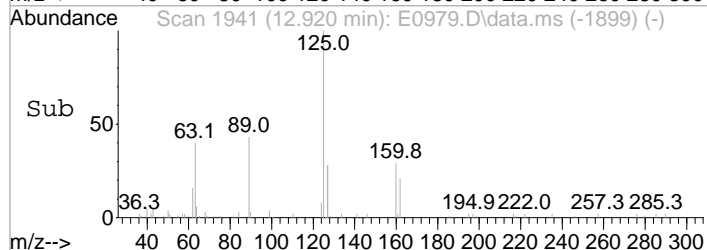
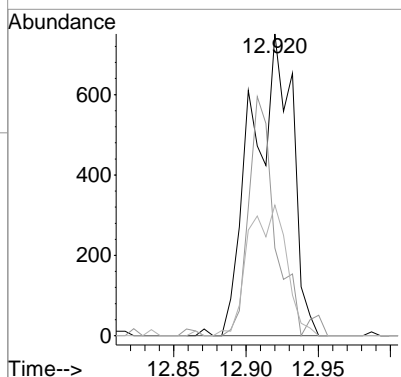
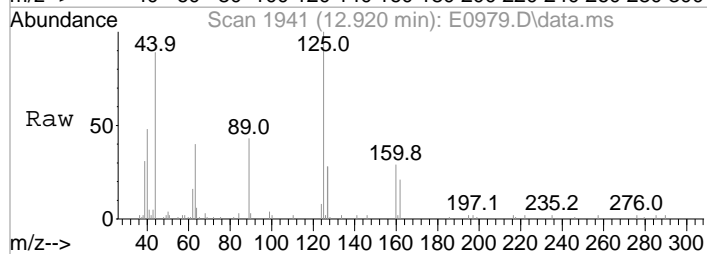
#88
 Cyclohexanone
 Concen: 1.44 ug/L
 RT: 10.823 min Scan# 1597
 Delta R.T. 0.007 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

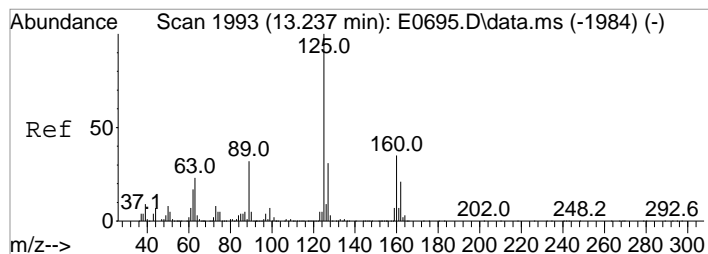
Tgt Ion	Resp	Lower	Upper
55	1052		
42	71.3	57.1	97.1



#111
 Trilution Dichlorotoluene
 Concen: 0.27 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. 0.006 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

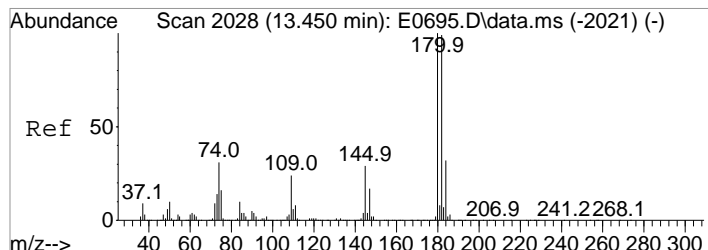
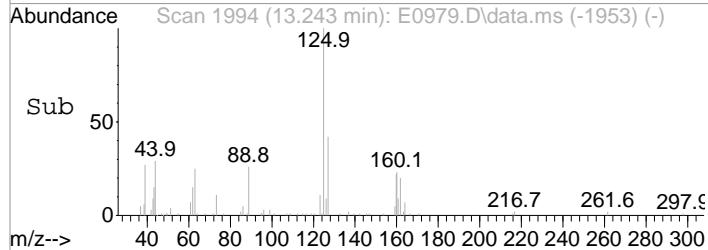
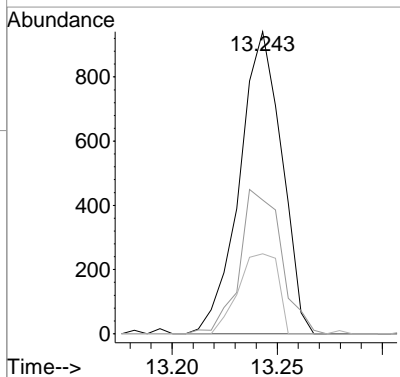
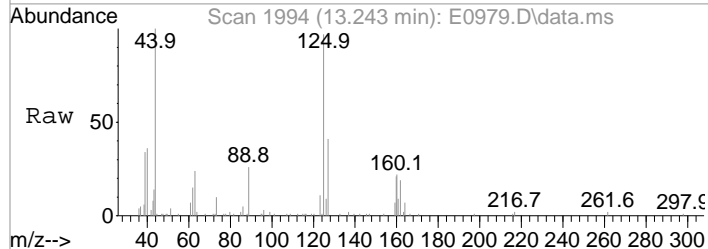
Tgt Ion	Resp	Lower	Upper
125	1471		
160	29.0	22.3	62.3
89	43.3	17.9	57.9





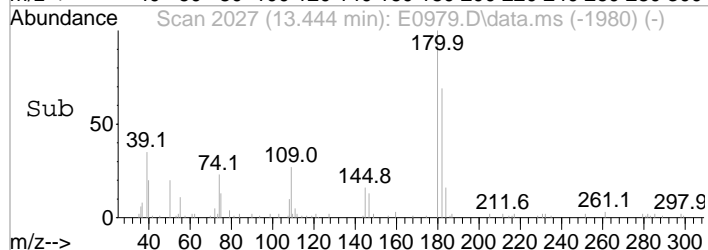
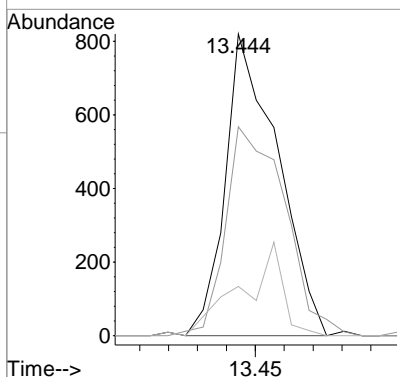
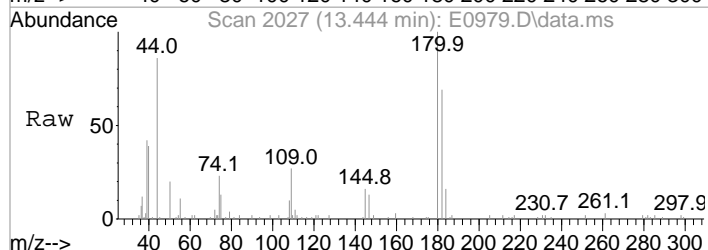
#113
Coelution Dichlorotoluene
Concen: 0.22 ug/L
RT: 13.243 min Scan# 1994
Delta R.T. -0.000 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

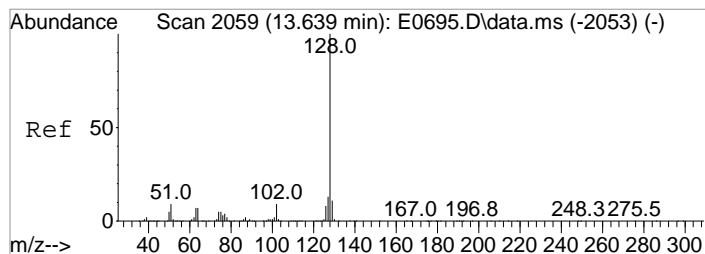
Tgt Ion	Resp	Lower	Upper
125	1311		
160	53.8	15.4	55.4
89	26.5	11.9	51.9



#114
1,2,4-Tc benzene
Concen: 0.22 ug/L
RT: 13.444 min Scan# 2027
Delta R.T. -0.006 min
Lab File: E0979.D
Acq: 10 May 2019 12:34 pm

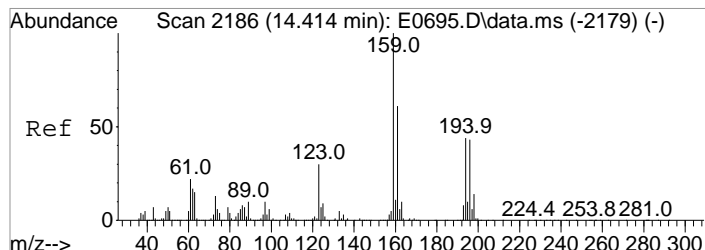
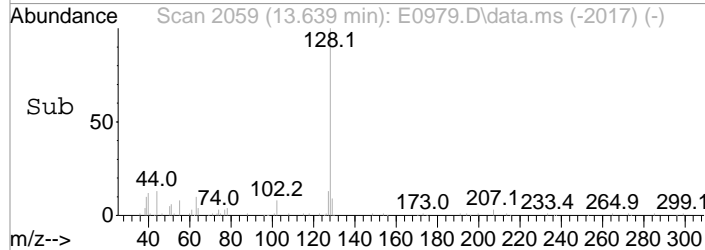
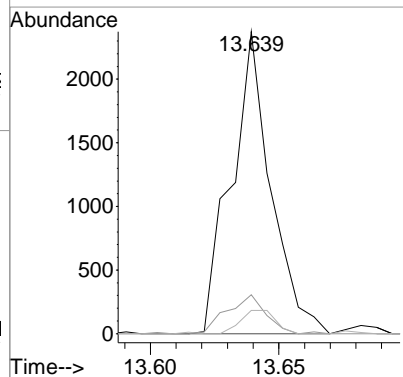
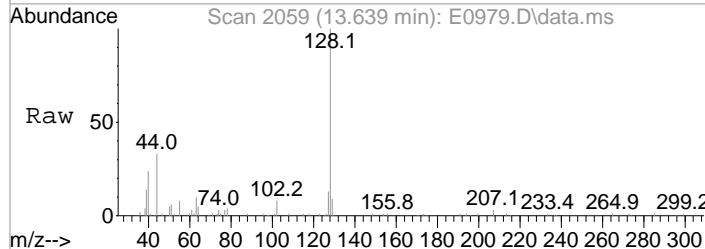
Tgt Ion	Resp	Lower	Upper
180	1032		
182	69.3	79.4	119.4#
145	16.3	9.2	49.2





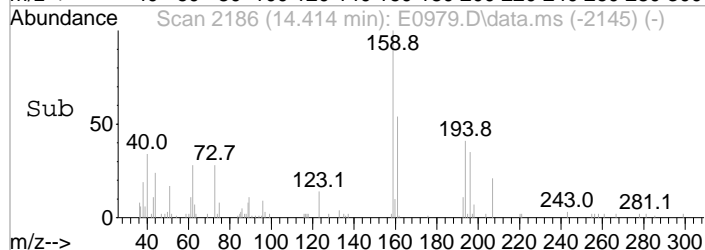
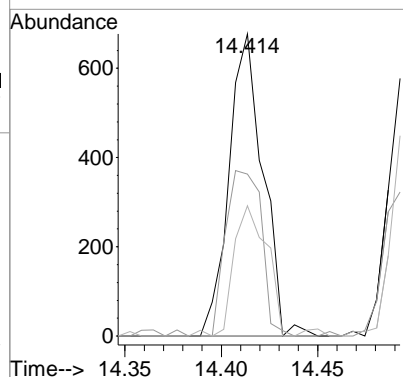
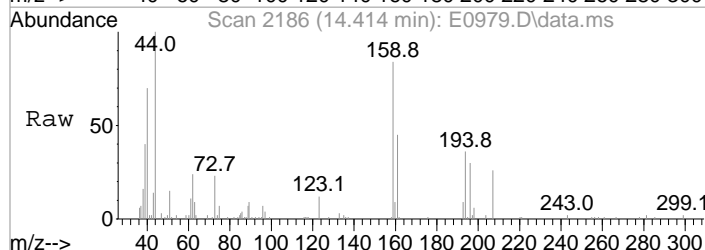
#116
 Naphthalen
 Concen: 0.20 ug/L
 RT: 13.639 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

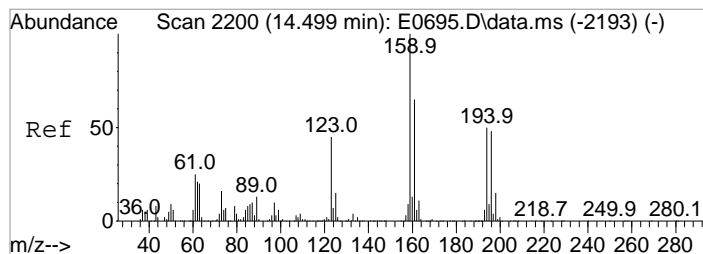
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	0.0	33.4
102	7.8	0.0	28.9



#118
 2,4,5-Trichlorotoluene
 Concen: 0.31 ug/L
 RT: 14.414 min Scan# 2186
 Delta R.T. -0.000 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

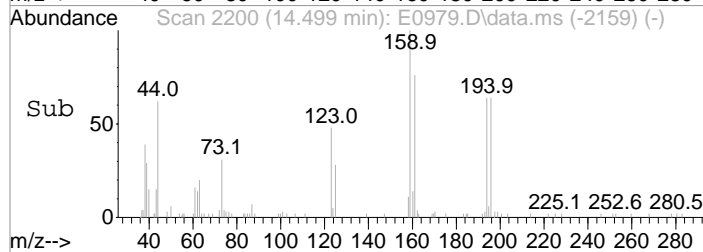
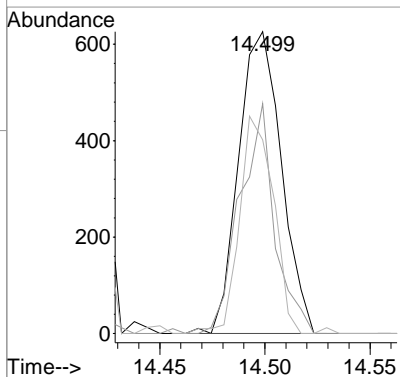
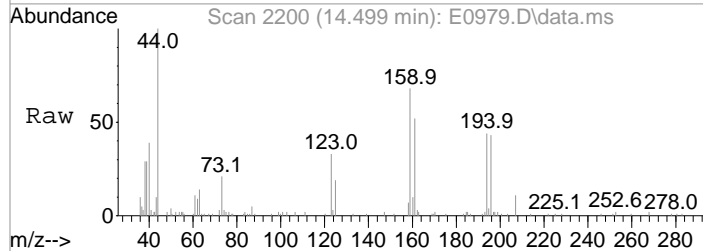
Tgt Ion	Resp	Lower	Upper
159	100		
161	49.9	41.2	81.2
194	39.0	24.5	64.5





#119
 2,3,6-Trichlorotoluene
 Concen: 0.29 ug/L
 RT: 14.499 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: E0979.D
 Acq: 10 May 2019 12:34 pm

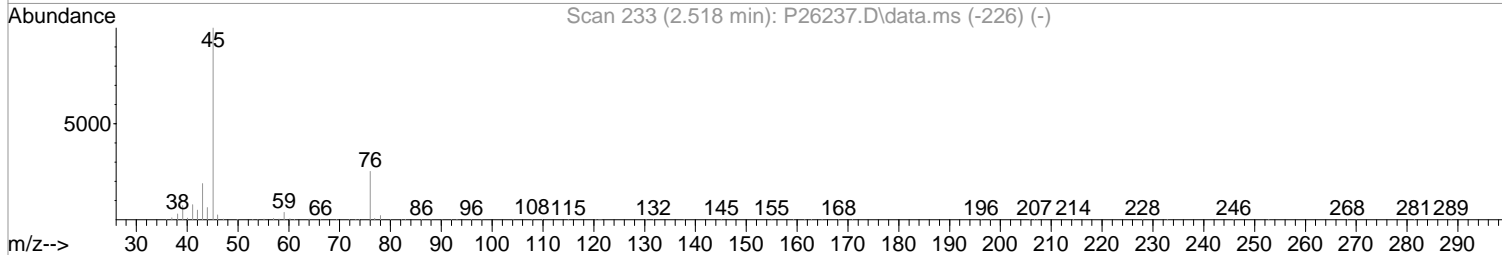
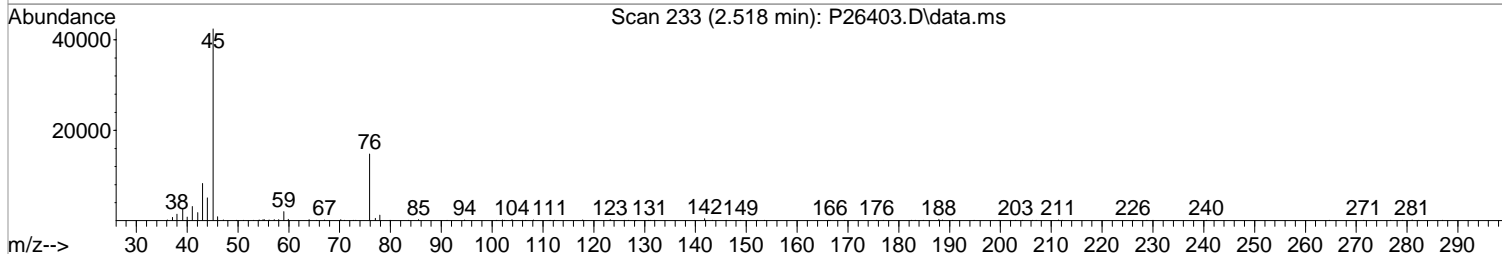
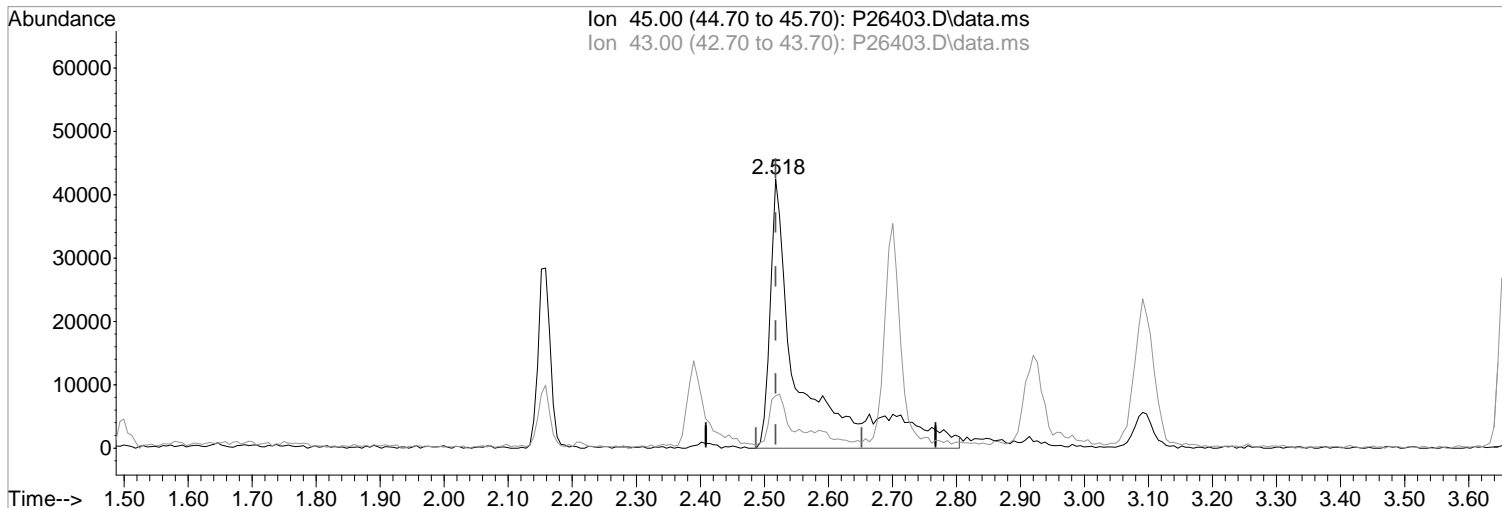
Tgt Ion	Resp	Lower	Upper
159	100		
161	76.2	45.0	85.0
194	64.2	29.6	69.6



Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 346.29 ppb m
response 143262

Manual Integration:

After

Poor integration.

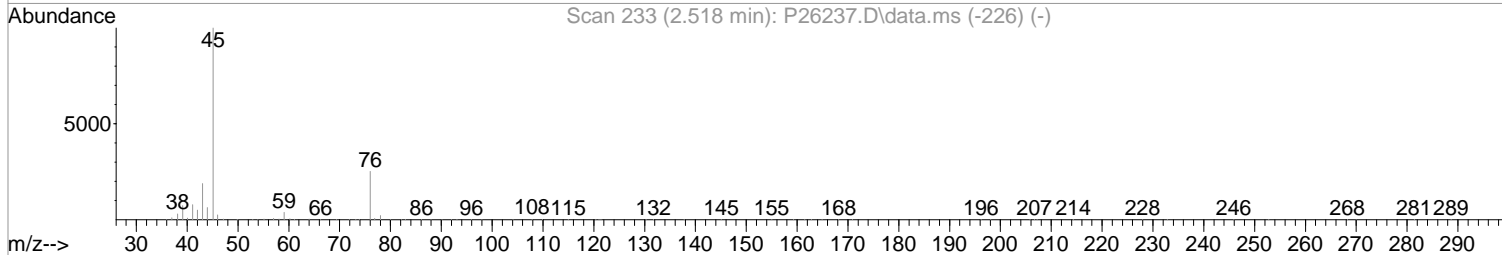
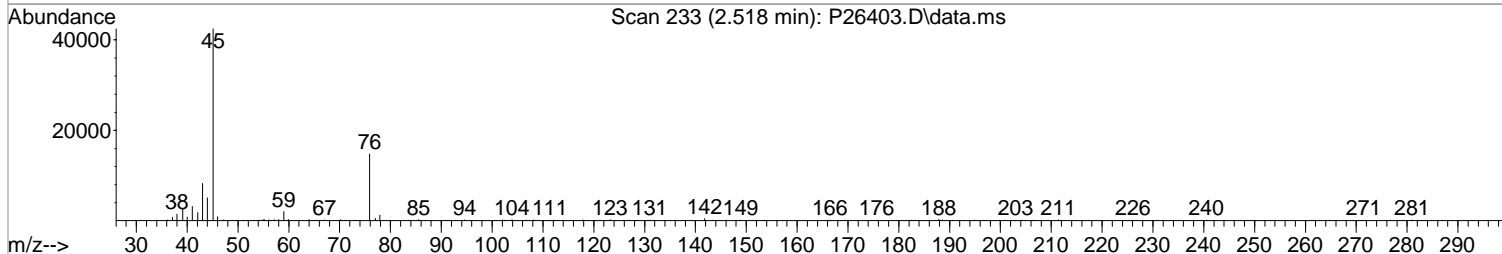
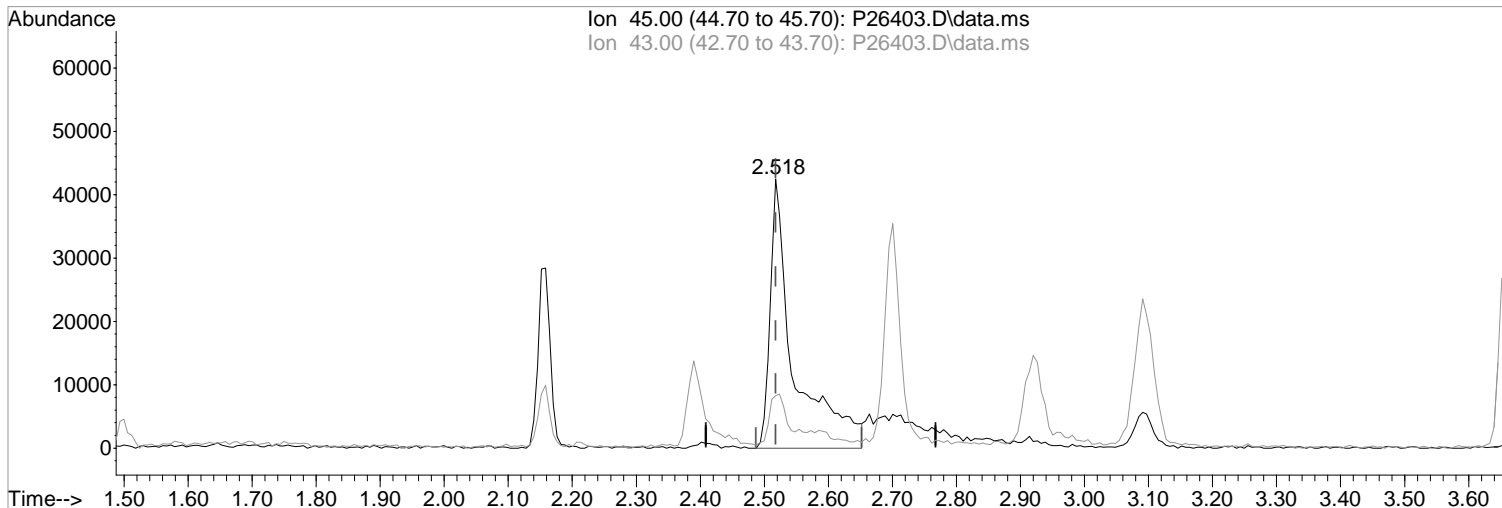
05/06/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.42
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 265.36 ppb
response 109780

Manual Integration:
Before

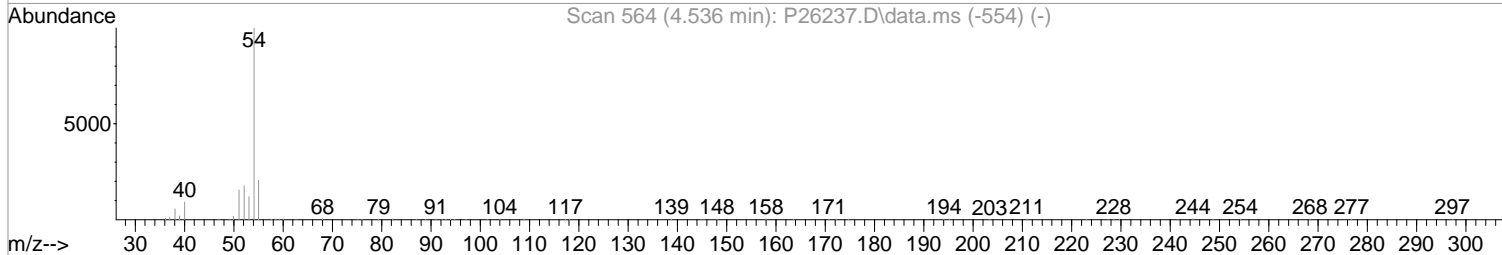
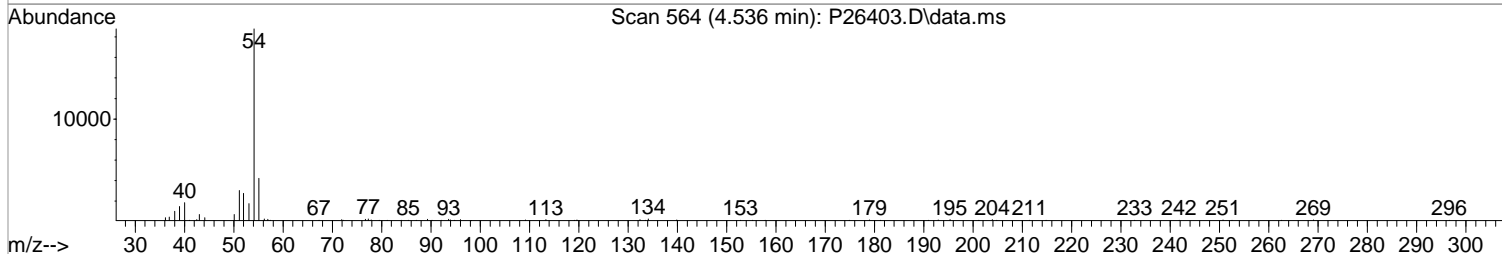
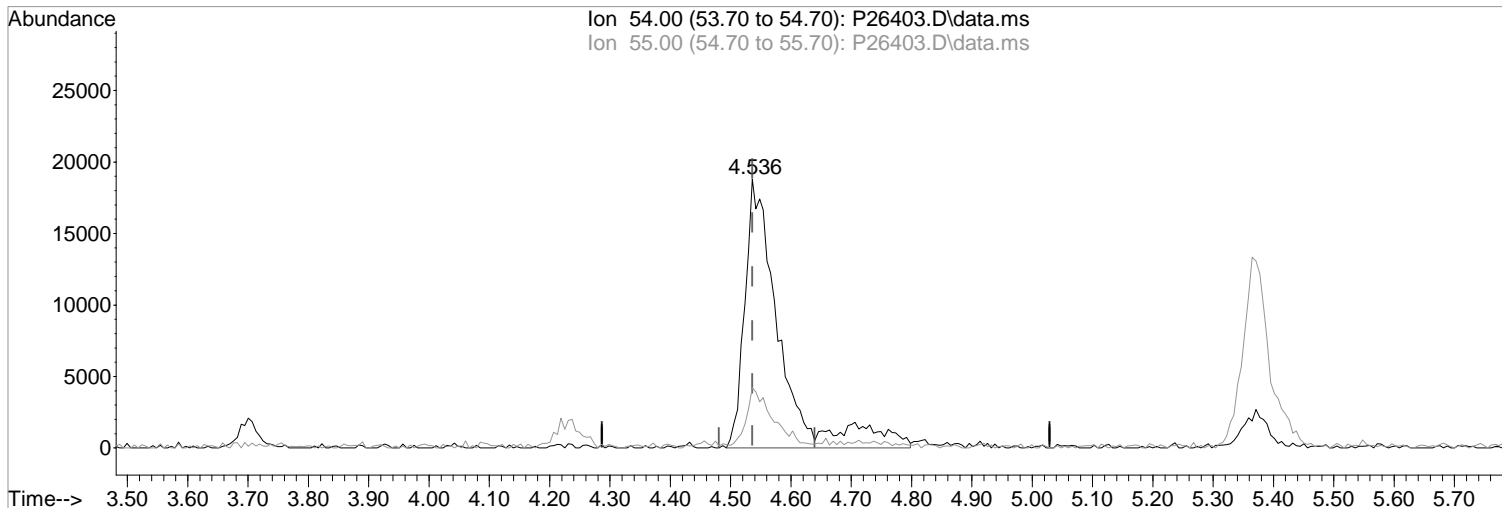
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.42
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(36) Propionitrile
4.536min (+0.000) 99.75 ppb m
response 76580

Manual Integration:

After

Poor integration.

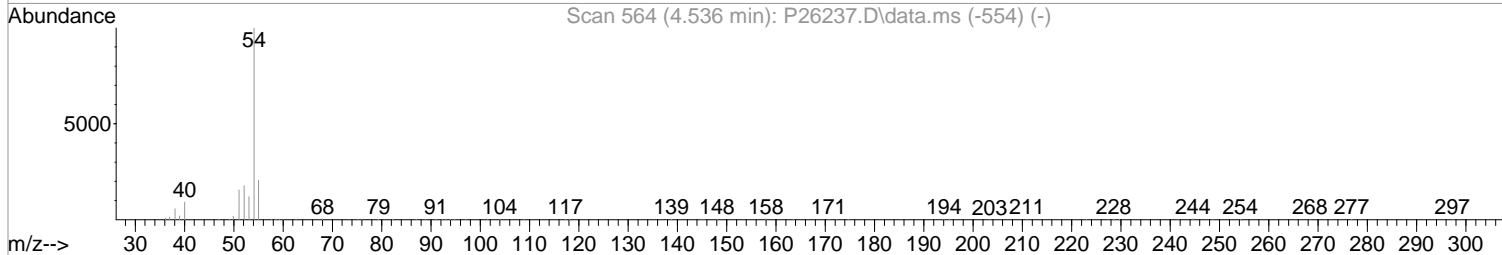
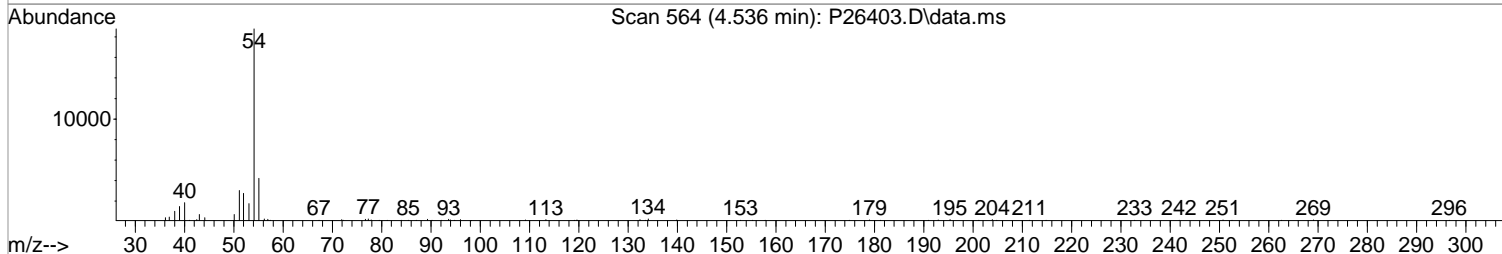
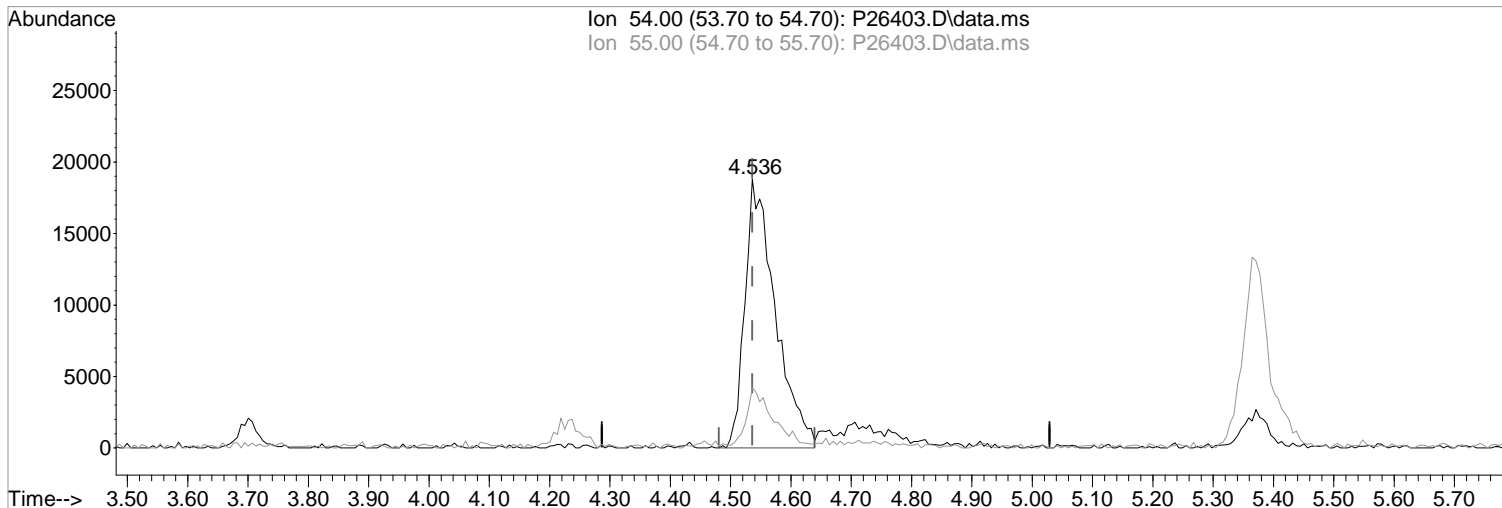
05/06/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	22.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(36) Propionitrile
4.536min (+0.000) 85.85 ppb
response 65909

Manual Integration:
Before

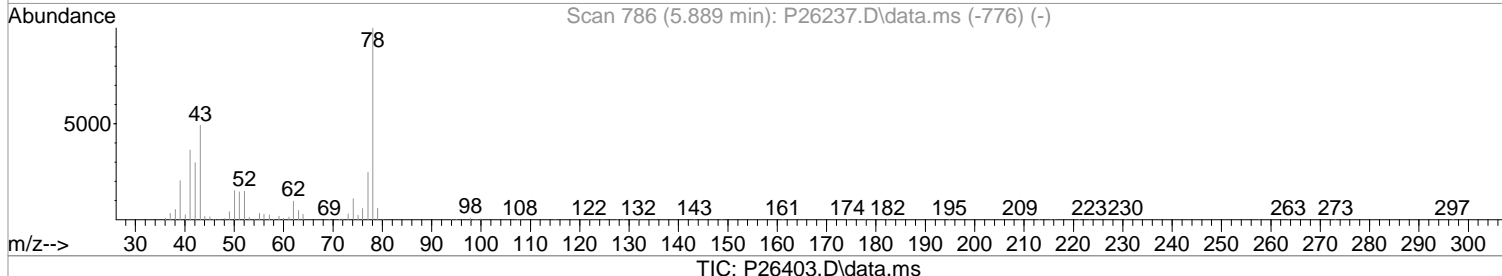
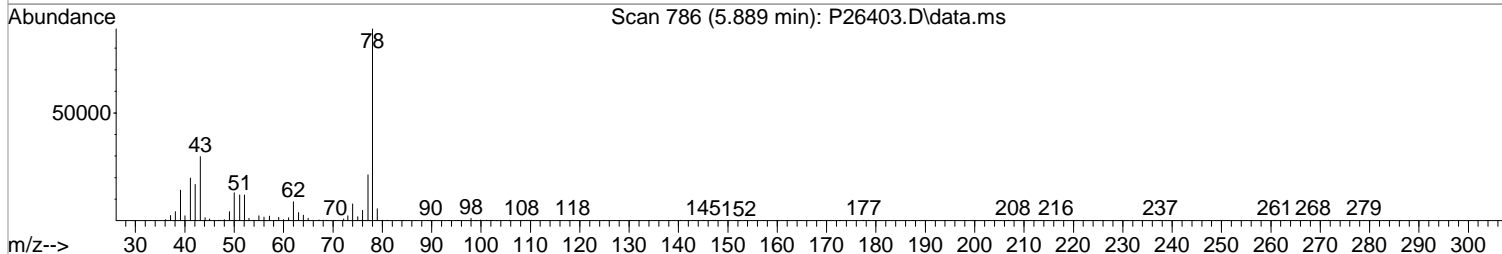
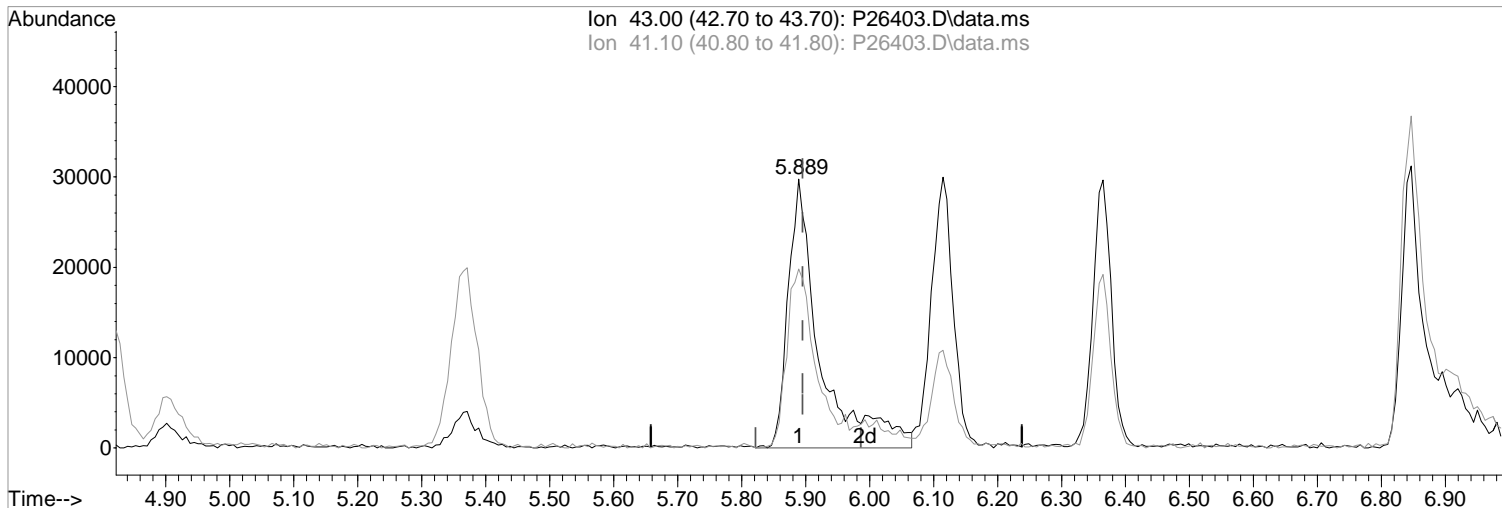
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	22.38
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.889min (-0.006) 330.99 ppb m
response 103283

Manual Integration:

After

Poor integration.

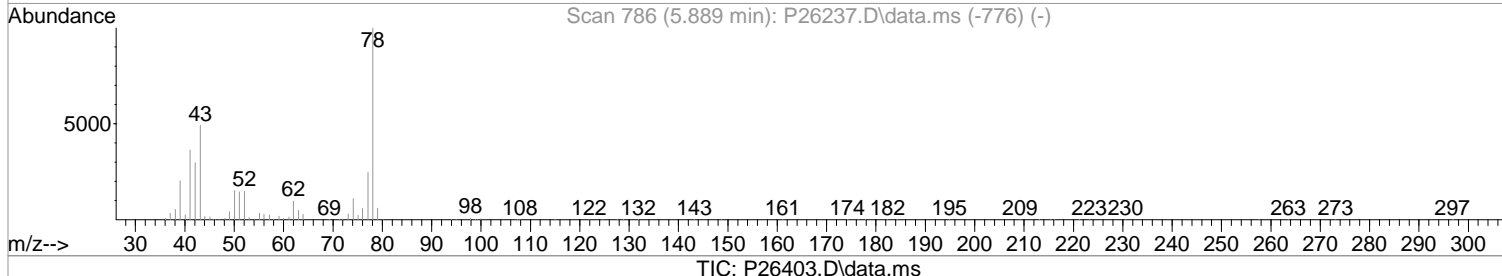
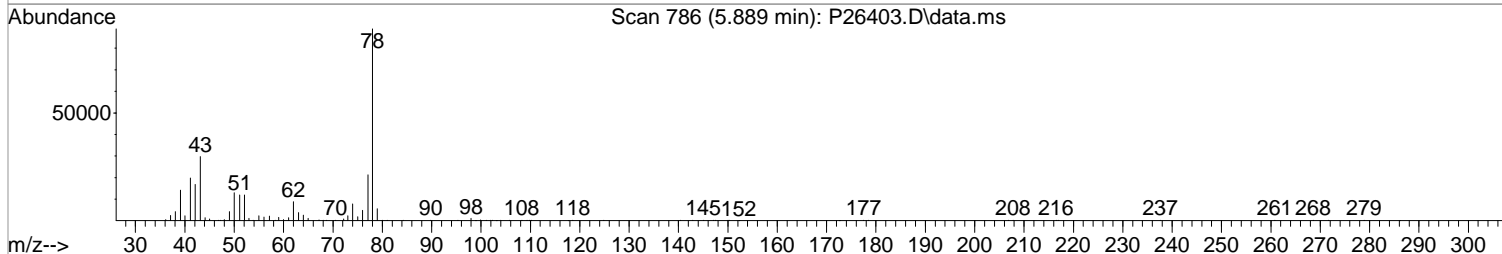
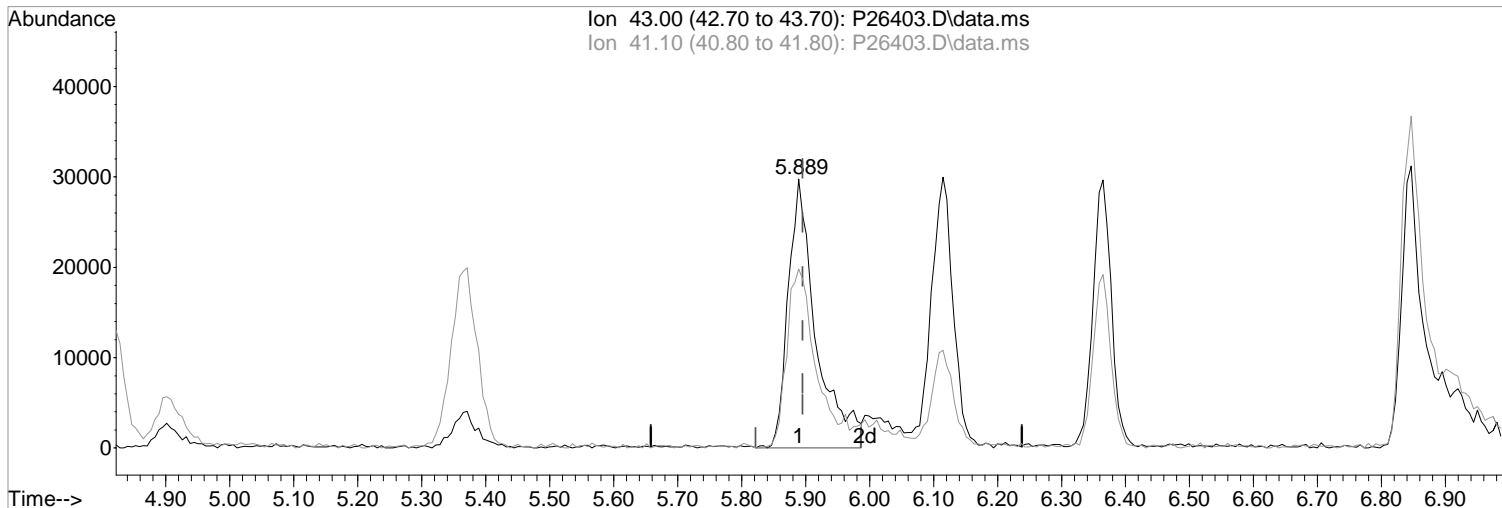
05/06/19

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	66.53
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.889min (-0.006) 290.06 ppb
response 90511

Manual Integration:
Before

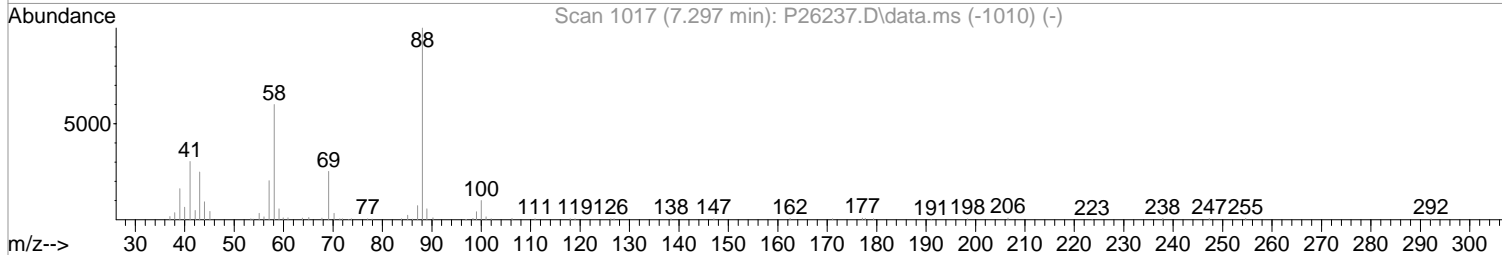
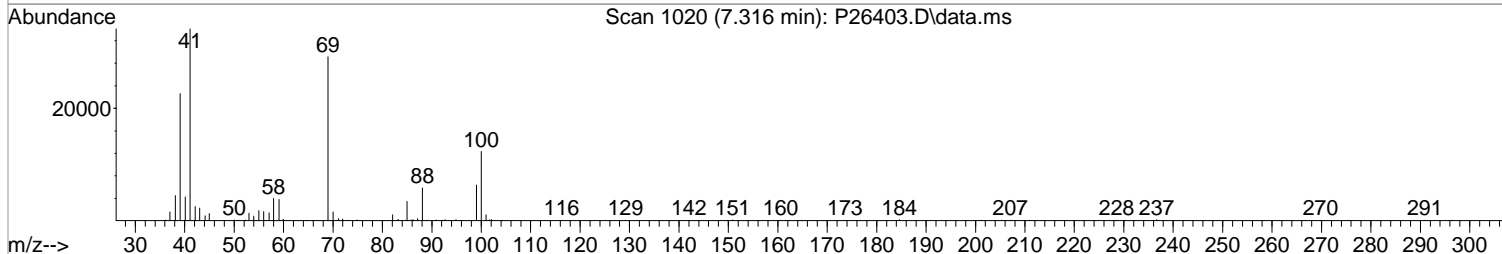
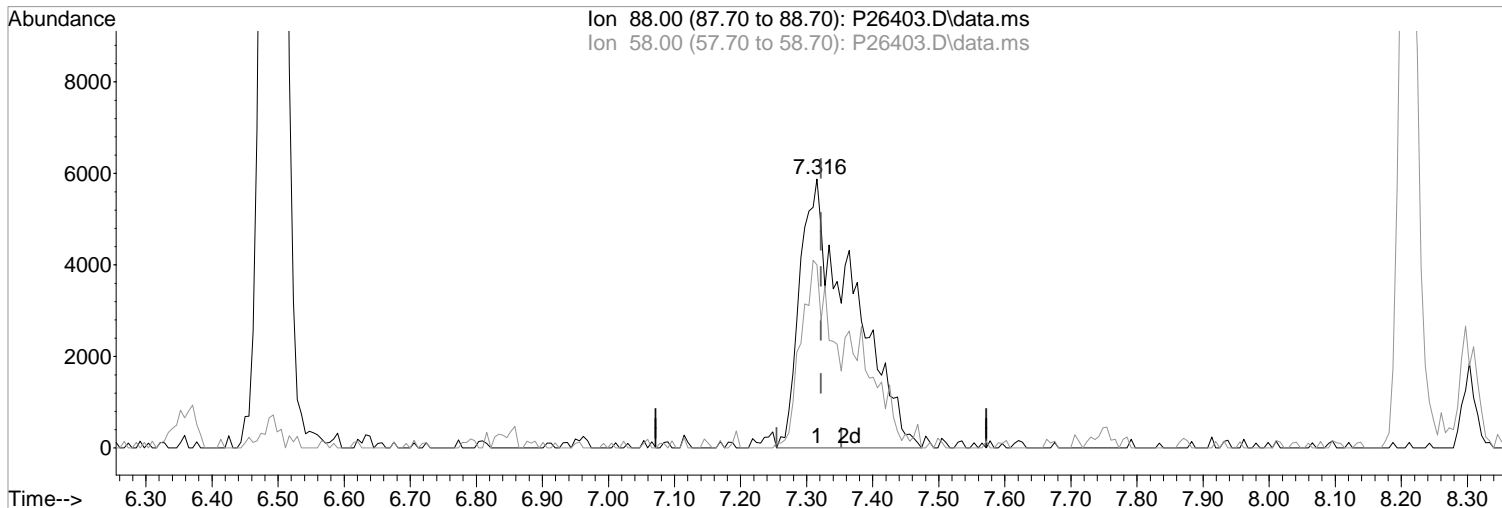
Ion	Exp%	Act%
43.00	100	100
41.10	74.30	66.53
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(58) 1,4-Dioxane
7.316min (-0.006) 349.67 ppb m
response 32701

Manual Integration:

After

Split Peak

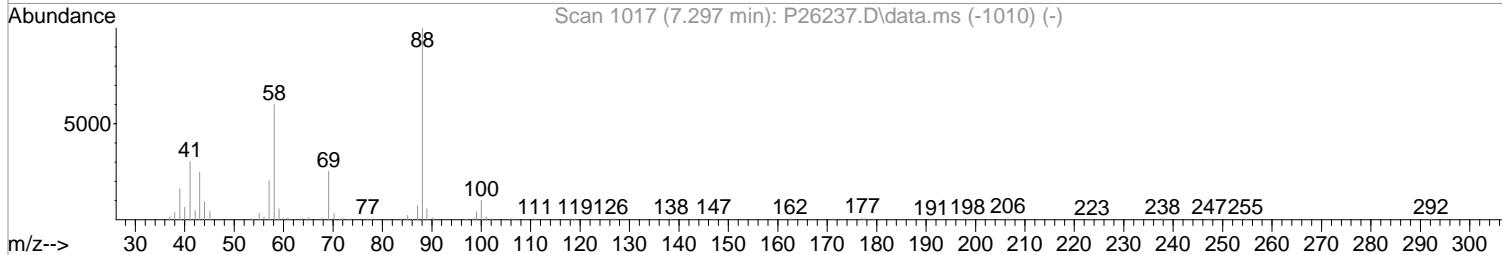
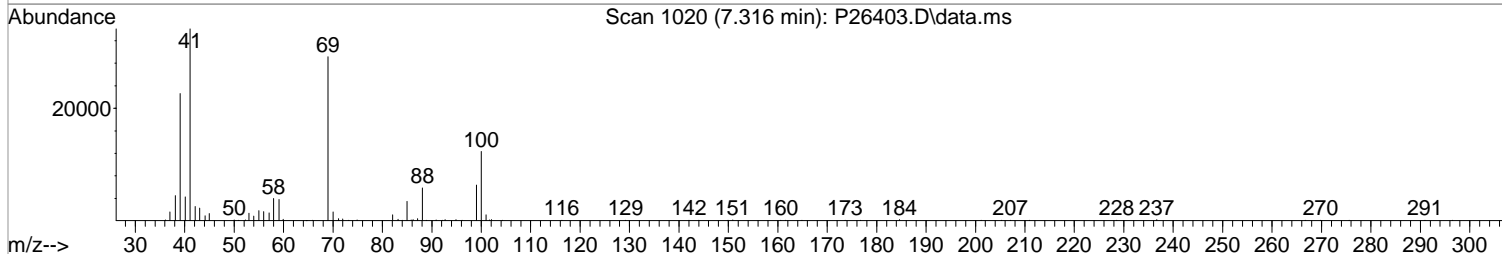
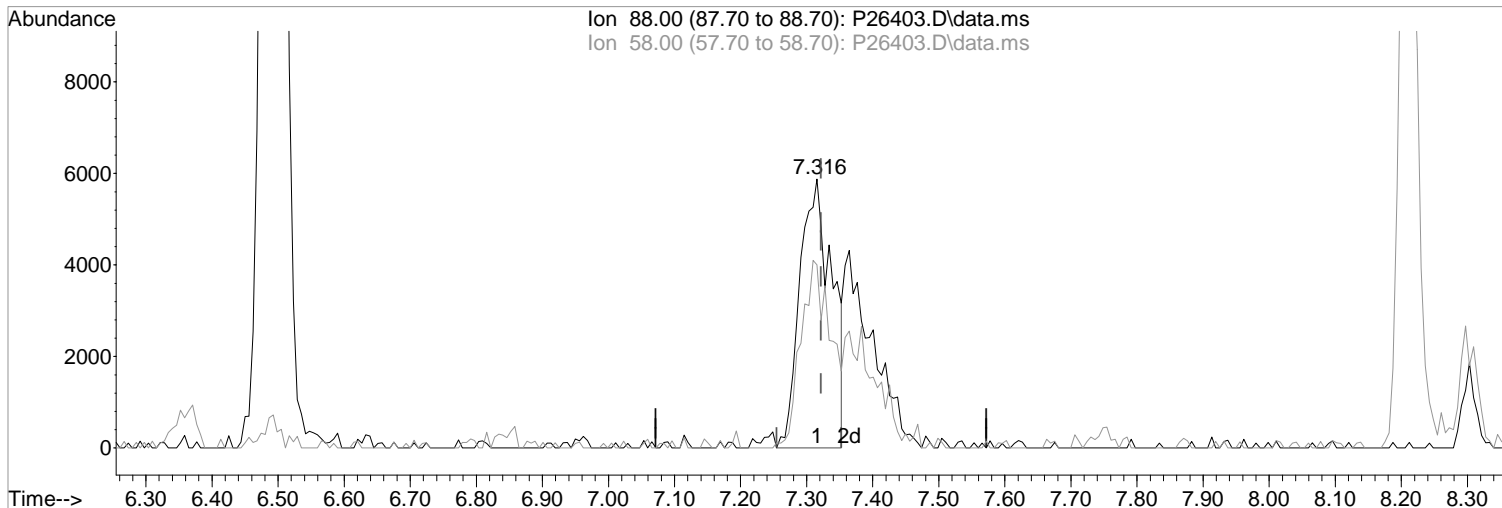
05/06/19

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	68.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:18:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26403.D\data.ms

(58) 1,4-Dioxane
7.316min (-0.006) 211.40 ppb
response 19770

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	68.15
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26403.D
 Acq On : 6 May 2019 12:03 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:20:28 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	389114	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	552366	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	494023	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	276261	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	163788	51.57	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	103.14%		
48) surr1,1,2-dichloroetha...	5.798	65	181427	52.37	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	104.74%		
65) SURR3,Toluene-d8	8.303	98	672865	51.04	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.08%		
70) SURR2,BFB	10.864	95	254234	49.34	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	98.68%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	68678	18.91	ppb		98
3) Chloromethane	1.347	50	59771	18.05	ppb		99
4) Vinyl Chloride	1.420	62	72457	17.92	ppb		100
5) Bromomethane	1.652	94	70448	17.61	ppb		99
6) Chloroethane	1.725	64	51124	15.88	ppb		92
7) Freon 21	1.872	67	106745	18.37	ppb		94
8) Trichlorofluoromethane	1.920	101	93408	18.37	ppb		97
9) Diethyl Ether	2.158	59	56911	19.31	ppb		97
10) Freon 123a	2.158	67	67763	19.19	ppb		99
11) Freon 123	2.207	83	89534	21.21	ppb		98
12) Acrolein	2.256	56	25296	36.13	ppb		95
13) 1,1-Dicethene	2.347	96	54355	16.91	ppb		95
14) Freon 113	2.347	101	53521	18.68	ppb		99
15) Acetone	2.390	43	26142	15.05	ppb		98
16) 2-Propanol	2.518	45	143262m	346.29	ppb		
17) Iodomethane	2.475	142	64706	19.43	ppb		98
18) Carbon Disulfide	2.536	76	172205	22.09	ppb		99
19) Acetonitrile	2.634	40	14285	51.24	ppb	#	80
20) Allyl Chloride	2.670	76	33939	22.90	ppb		96
21) Methyl Acetate	2.701	43	56422	17.42	ppb		95
22) Methylene Chloride	2.792	84	65564	18.99	ppb		99
23) TBA	2.920	59	254463	344.06	ppb		99
24) Acrylonitrile	3.042	53	168255	101.78	ppb		95
25) Methyl-t-Butyl Ether	3.091	73	238485	20.29	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	63278	17.97	ppb		98
28) 1,1-Dicethane	3.579	63	107270	18.49	ppb		99
29) Vinyl Acetate	3.670	86	19271	21.98	ppb		95
30) DIPE	3.707	45	198956	21.90	ppb		96
31) 2-Chloro-1,3-Butadiene	3.700	53	88833	20.44	ppb		97
32) ETBE	4.231	59	203448	20.72	ppb		100
33) 2,2-Dichloropropane	4.414	77	97183	18.27	ppb		96
34) cis-1,2-Dichloroethene	4.414	96	75194	18.26	ppb		95
35) 2-Butanone	4.463	43	37434	17.49	ppb		94
36) Propionitrile	4.536	54	76580m	99.75	ppb		
37) Bromochloromethane	4.804	130	52135	18.57	ppb		98
38) Methacrylonitrile	4.816	67	39682	20.44	ppb		88
39) Tetrahydrofuran	4.895	42	26306	18.13	ppb		92
40) Chloroform	4.993	83	110645	17.97	ppb		94
41) 1,1,1-Trichloroethane	5.279	97	95024	16.56	ppb		96

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26403.D
 Acq On : 6 May 2019 12:03 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 12:20:28 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	230390	21.84	ppb	96
44) Cyclohexane	5.371	41	57660	20.79	ppb	98
46) Carbontetrachloride	5.560	117	82621	17.17	ppb	97
47) 1,1-Dichloropropene	5.566	75	77919	17.52	ppb	97
49) Benzene	5.877	78	250194	17.48	ppb	97
50) 1,2-Dichloroethane	5.913	62	96923	19.10	ppb	96
51) Iso-Butyl Alcohol	5.889	43	103283m	330.99	ppb	
52) n-Heptane	6.365	43	59314	15.58	ppb	94
53) 1-Butanol	6.846	56	183416	869.72	ppb	97
54) Trichloroethene	6.822	130	77070	17.33	ppb	97
55) Methylcyclohexane	7.060	55	80401	19.35	ppb	89
56) 1,2-Diclpropane	7.096	63	62127	18.07	ppb	96
57) Dibromomethane	7.236	93	46050	19.15	ppb	94
58) 1,4-Dioxane	7.316	88	32701m	349.67	ppb	
59) Methyl Methacrylate	7.322	69	66557	19.54	ppb	87
60) Bromodichloromethane	7.462	83	82844	17.39	ppb	97
61) 2-Nitropropane	7.742	41	47919	38.86	ppb	98
63) cis-1,3-Dichloropropene	8.005	75	109244	17.77	ppb	96
64) 4-Methyl-2-pentanone	8.206	43	73446	17.16	ppb	98
66) Toluene	8.376	91	273935	16.92	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	102904	18.89	ppb	97
68) Ethyl Methacrylate	8.785	69	109741	18.62	ppb	95
69) 1,1,2-Trichloroethane	8.828	97	68783	17.73	ppb	95
72) Tetrachloroethene	8.968	164	59653	16.79	ppb	97
73) 2-Hexanone	9.120	43	54596	16.44	ppb	96
74) 1,3-Dichloropropene	8.998	76	116549	19.52	ppb	98
75) Dibromochloromethane	9.224	129	73833	17.05	ppb	95
76) N-Butyl Acetate	9.279	43	111962	17.69	ppb	99
77) 1,2-Dibromoethane	9.321	107	78430	19.67	ppb	94
78) Chlorobenzene	9.815	112	192784	17.75	ppb	97
79) 3-CBTF	9.833	180	132809	21.29	ppb	98
80) 4-CBTF	9.888	180	114420	20.28	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.907	131	71350	16.93	ppb	97
82) Ethylbenzene	9.937	106	99544	16.95	ppb	100
83) (m+p)Xylene	10.047	106	248114	34.13	ppb	93
84) o-Xylene	10.406	106	124163	16.87	ppb	97
85) Styrene	10.419	104	208890	18.16	ppb	99
87) Bromoform	10.571	173	55521	17.33	ppb	98
88) 2-CBTF	10.650	180	127244	20.93	ppb	97
89) Isopropylbenzene	10.742	105	292592	16.84	ppb	99
90) Cyclohexanone	10.809	55	90261	104.11	ppb	97
91) trans-1,4-Dichloro-2-B...	11.047	53	24308	18.28	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	98188	18.70	ppb	98
93) Bromobenzene	10.986	156	90475	17.27	ppb	94
94) 1,2,3-Trichloropropane	11.028	110	36649	18.60	ppb	98
95) n-Propylbenzene	11.095	91	323927	17.19	ppb	99
96) 2-Chlorotoluene	11.156	91	207652	17.72	ppb	96
97) 3-Chlorotoluene	11.211	91	254514	22.98	ppb	99
98) 4-Chlorotoluene	11.254	91	229122	17.10	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	251190	17.21	ppb	100
100) tert-Butylbenzene	11.522	119	224000	16.80	ppb	98
101) 1,2,4-Trimethylbenzene	11.559	105	254370	17.52	ppb	97
102) 3,4-DCBTF	11.620	214	99186	19.13	ppb	96
103) sec-Butylbenzene	11.705	105	310012	16.61	ppb	98
104) p-Isopropyltoluene	11.827	119	271998	16.76	ppb	99
105) 1,3-Dclbenz	11.784	146	168754	18.04	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
 Data File : P26403.D
 Acq On : 6 May 2019 12:03 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

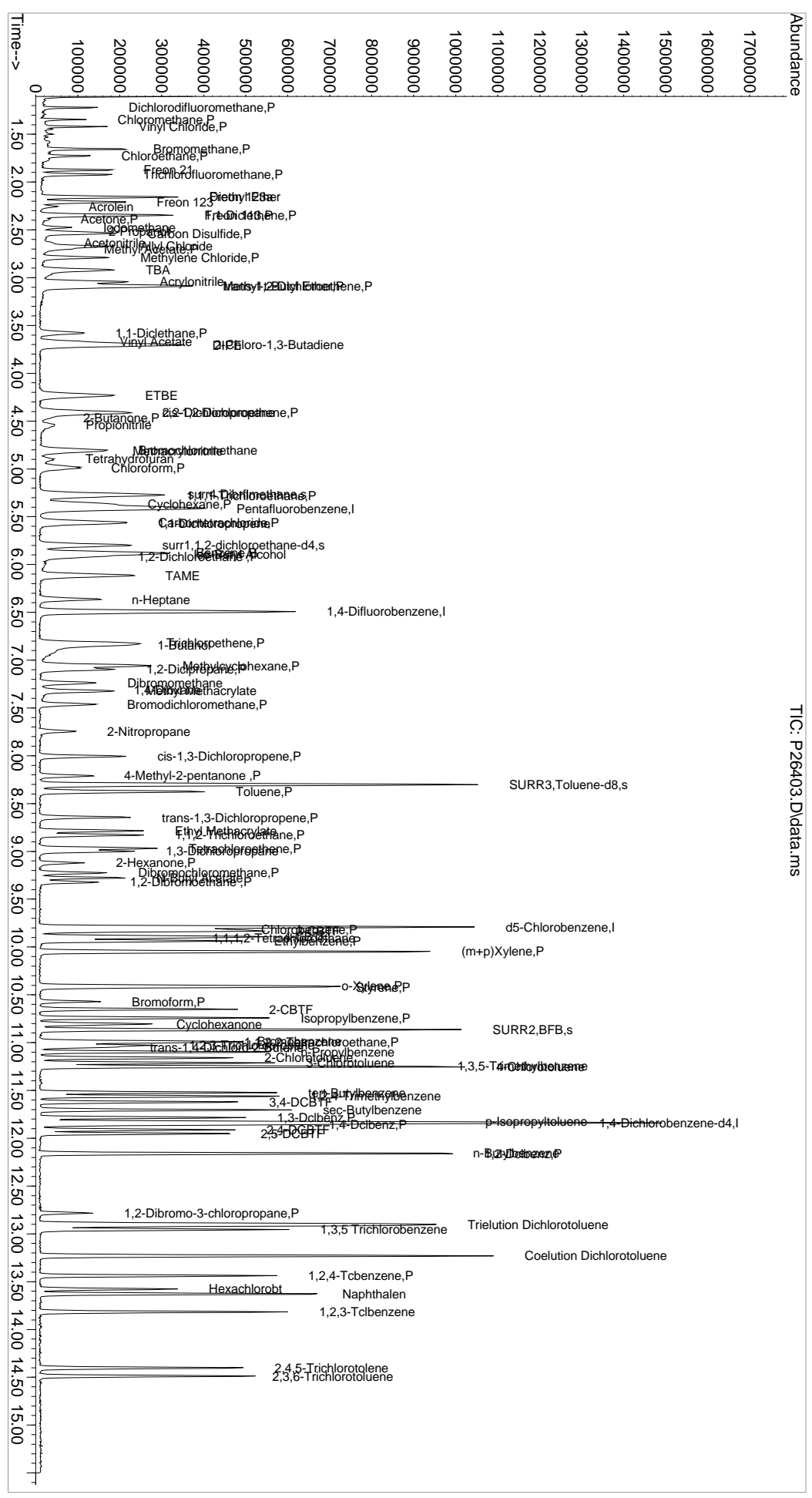
Quant Time: May 06 12:20:28 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	169359	17.70	ppb	97
107) 2,4-DCBTF	11.912	214	92632	19.84	ppb	98
108) 2,5-DCBTF	11.955	214	100868	19.46	ppb	98
109) n-Butylbenzene	12.156	91	232861	17.24	ppb	97
110) 1,2-Dclbenz	12.162	146	164704	17.67	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	28154	15.12	ppb	78
112) Trielution Dichlorotol...	12.900	125	503591	64.34	ppb	95
113) 1,3,5 Trichlorobenzene	12.955	180	152712	20.63	ppb	98
114) Coelution Dichlorotoluene	13.229	125	370230	42.40	ppb	96
115) 1,2,4-Tcbenzene	13.436	180	144009	18.54	ppb	95
116) Hexachlorobt	13.577	225	50075	14.92	ppb	98
117) Naphthalen	13.631	128	435448	19.35	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	147630	17.93	ppb	98
119) 2,4,5-Trichlorotolene	14.400	159	109209	21.99	ppb	97
120) 2,3,6-Trichlorotoluene	14.491	159	106205	18.16	ppb	99

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

1st 05/06/19
2nd
Data Path : I:\ACQDATA\msvoa12\Data\050619\
Data File : P26403.D
Acq On : 6 May 2019 12:03 pm
Operator : K.Ruest
Sample : LCS-ACID
Inst : MSVOA-12
PALS Vial : 1 Sample Multiplier: 1

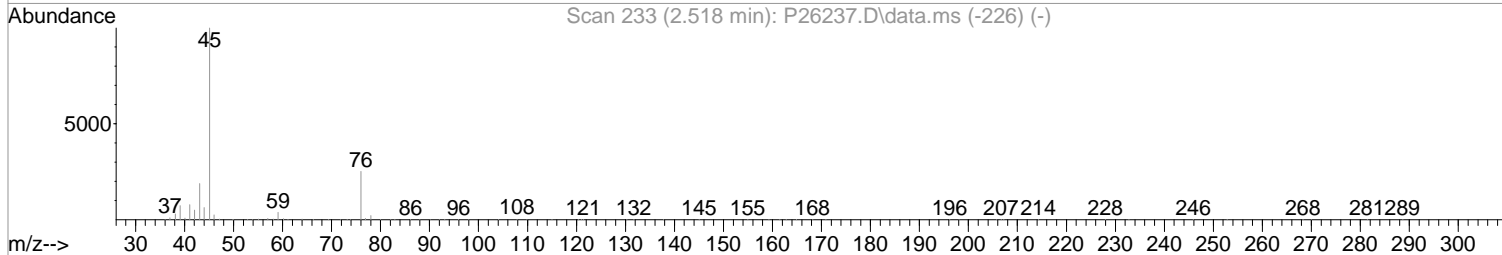
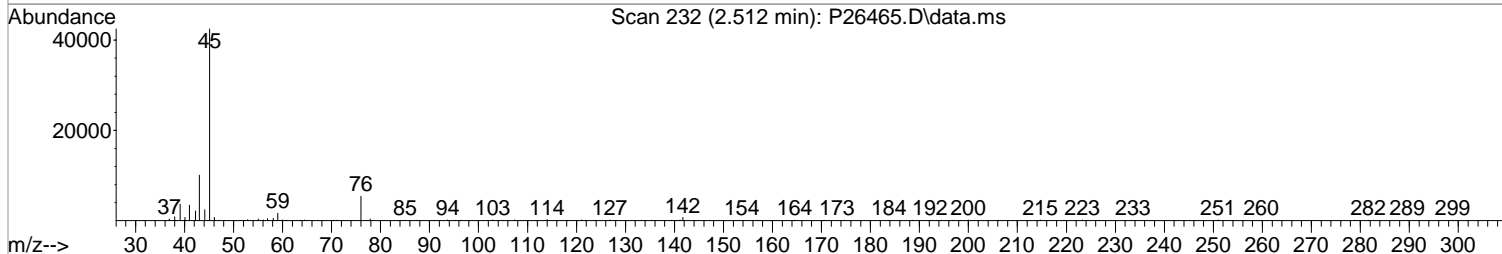
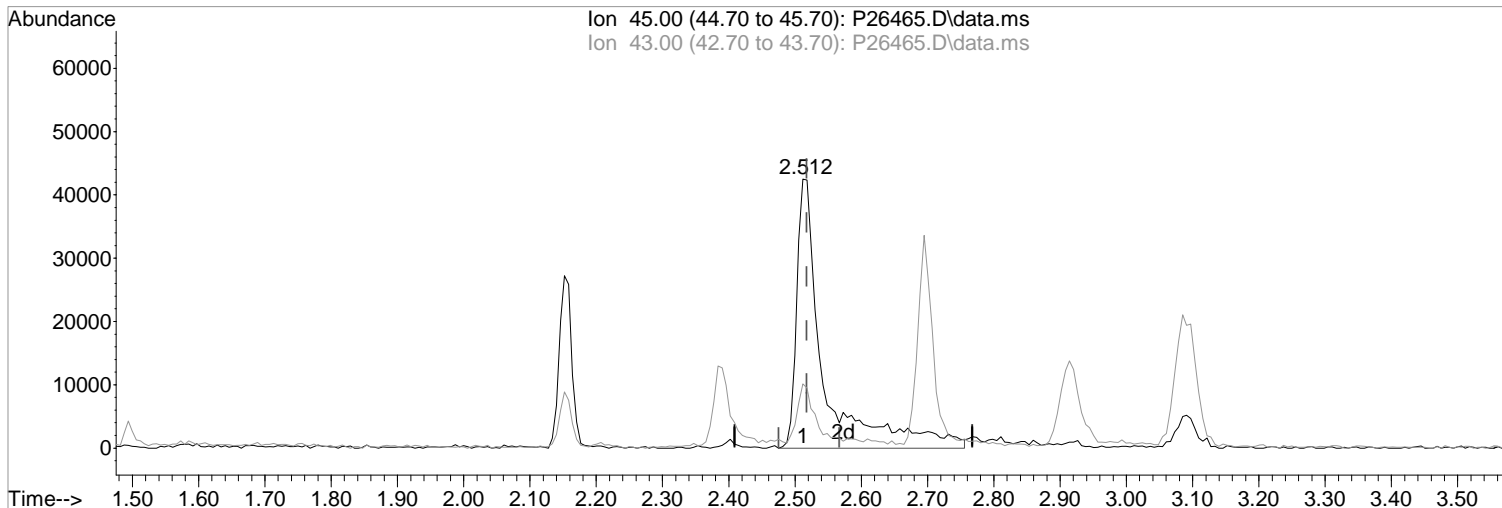
Quant Time: May 06 12:20:28 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10mL Purge
Qlast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26465.D
Acq On : 7 May 2019 12:23 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:48:39 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26465.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 277.46 ppb m
response 120920

Manual Integration:

After

Poor integration.

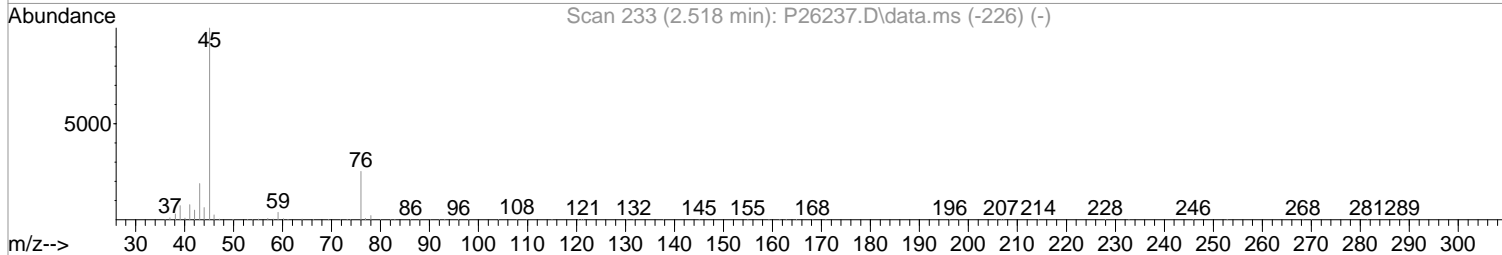
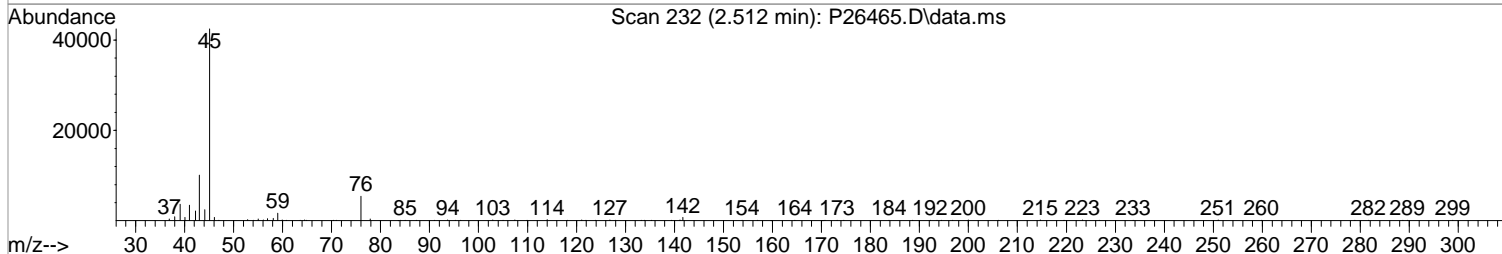
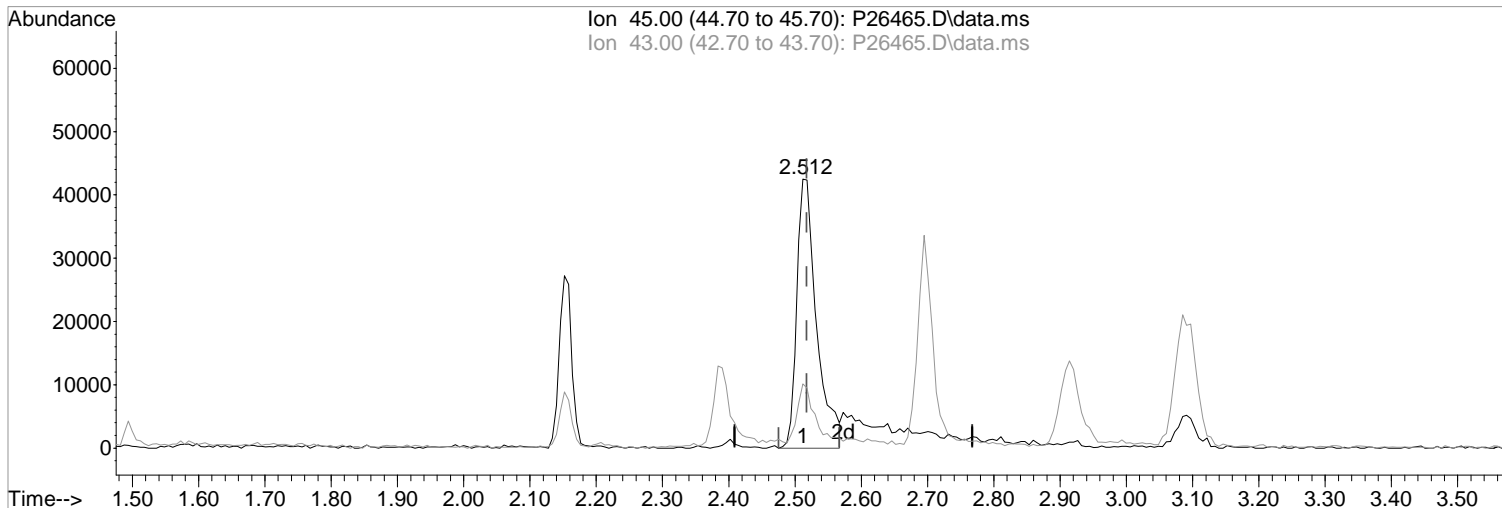
05/07/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	23.85
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26465.D
Acq On : 7 May 2019 12:23 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:48:39 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26465.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 201.07 ppb
response 87628

Manual Integration:
Before

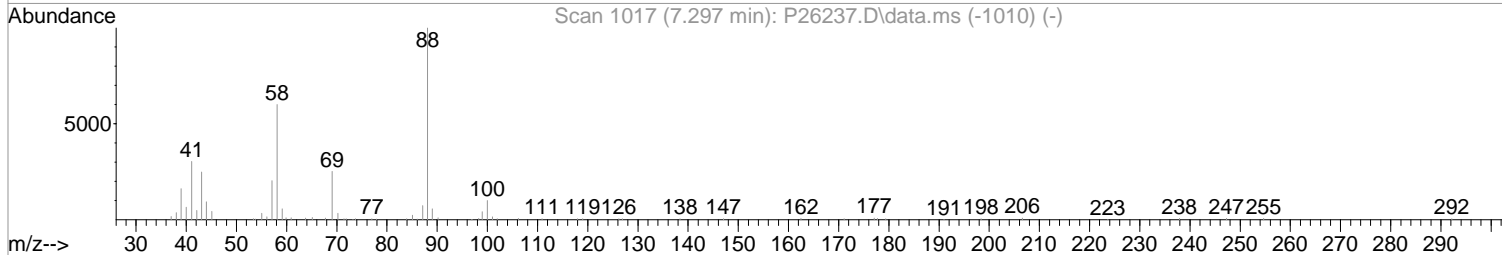
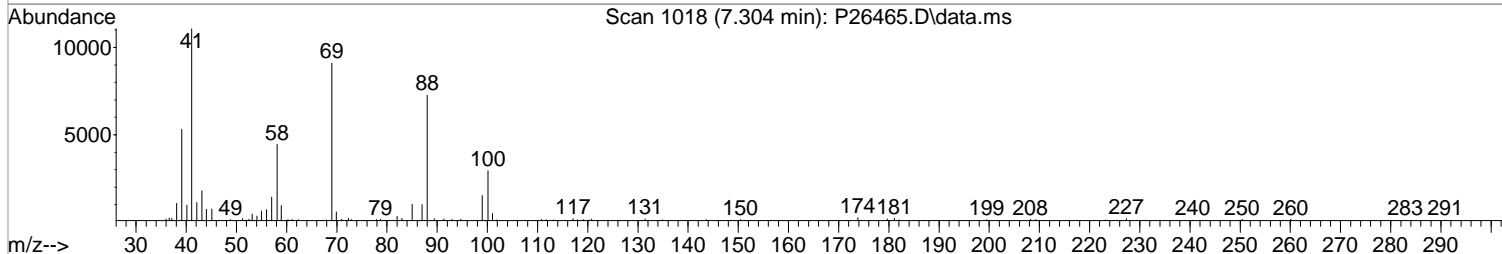
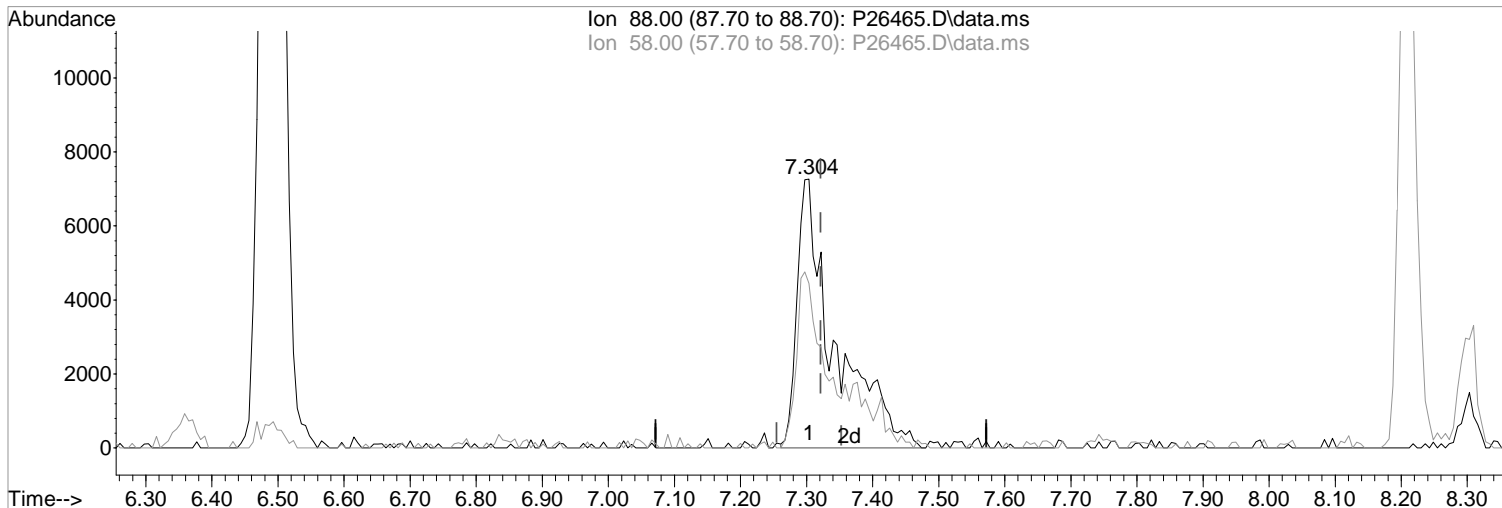
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	23.85
0.00	0.00	0.00
0.00	0.00	0.00

05/07/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26465.D
Acq On : 7 May 2019 12:23 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:48:39 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.304min (-0.018) 290.62 ppb m
response 28658

Manual Integration:

After
Split Peak

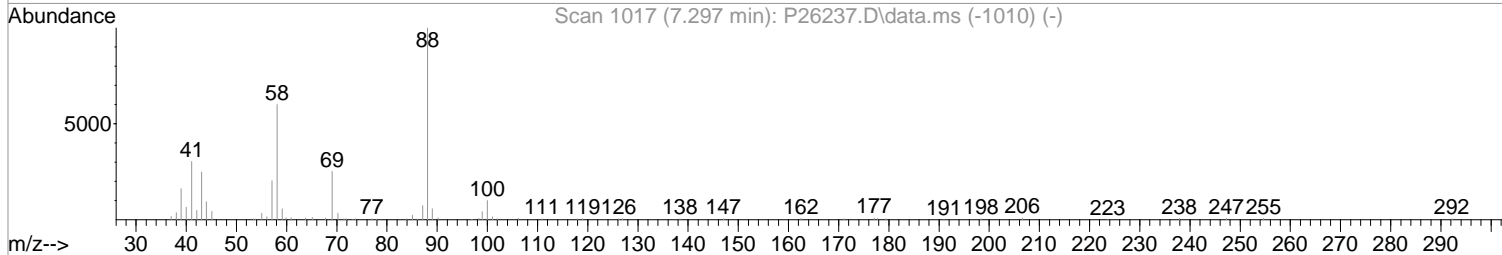
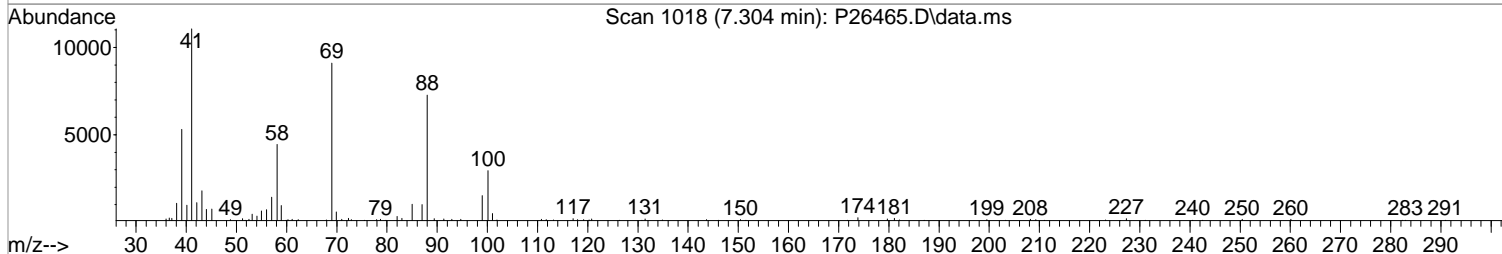
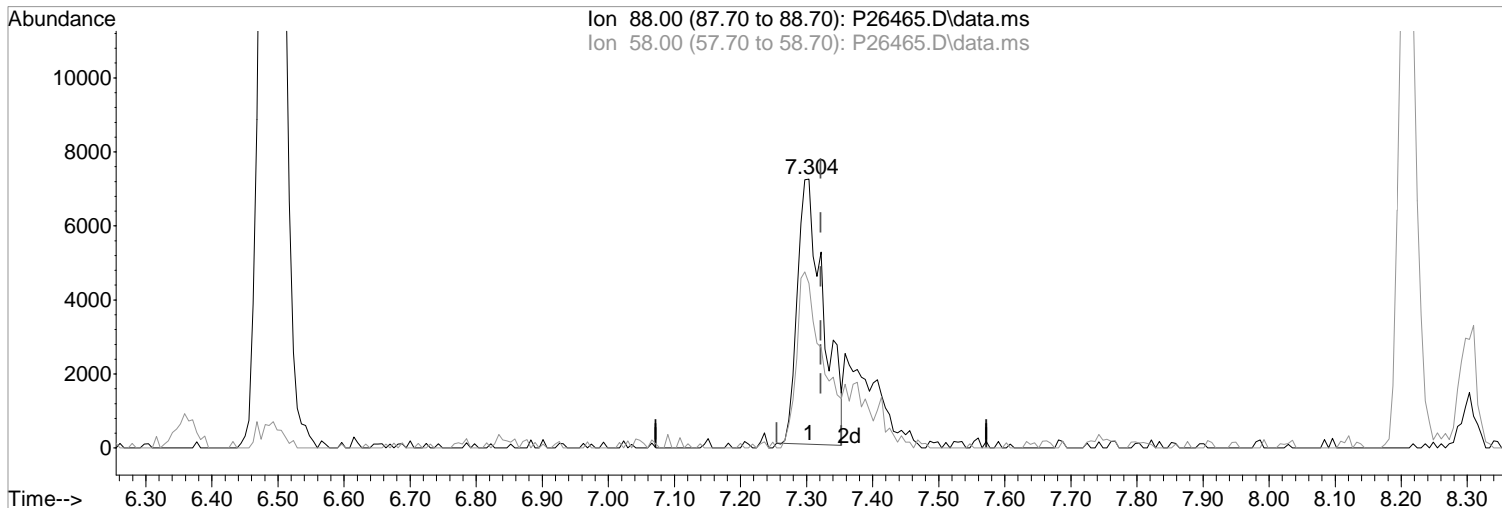
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.21
0.00	0.00	0.00
0.00	0.00	0.00

05/07/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26465.D
Acq On : 7 May 2019 12:23 pm
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:48:39 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26465.D\data.ms

(58) 1,4-Dioxane
7.304min (-0.018) 196.81 ppb
response 19408

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.21
0.00	0.00	0.00
0.00	0.00	0.00

05/07/19

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26465.D
 Acq On : 7 May 2019 12:23 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:50:23 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	409911	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	582448	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	516926	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	295225	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	168844	50.42	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.84%		
48) surr1,1,2-dichloroetha...	5.798	65	194202	53.16	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.32%		
65) SURR3,Toluene-d8	8.303	98	711779	51.20	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.40%		
70) SURR2,BFB	10.864	95	267035	49.15	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	98.30%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	73475	19.21	ppb		98
3) Chloromethane	1.341	50	62695	17.97	ppb		98
4) Vinyl Chloride	1.421	62	76003	17.84	ppb		97
5) Bromomethane	1.652	94	71955	17.05	ppb		96
6) Chloroethane	1.725	64	50427	14.87	ppb		100
7) Freon 21	1.872	67	101866	16.64	ppb		99
8) Trichlorofluoromethane	1.920	101	110295	20.59	ppb		94
9) Diethyl Ether	2.152	59	53682	17.29	ppb		93
10) Freon 123a	2.152	67	62409	16.78	ppb		97
11) Freon 123	2.207	83	86542	19.46	ppb		96
12) Acrolein	2.250	56	23696	32.12	ppb		98
13) 1,1-Dicethene	2.341	96	61965	18.30	ppb		92
14) Freon 113	2.347	101	60089	19.91	ppb		98
15) Acetone	2.384	43	24341	13.11	ppb		93
16) 2-Propanol	2.512	45	120920m	277.46	ppb		
17) Iodomethane	2.475	142	77360	21.76	ppb		98
18) Carbon Disulfide	2.536	76	153352	18.68	ppb		99
19) Acetonitrile	2.634	40	17414	59.07	ppb		98
20) Allyl Chloride	2.670	76	33864	21.67	ppb		95
21) Methyl Acetate	2.695	43	51566	15.12	ppb		95
22) Methylene Chloride	2.786	84	67790	18.63	ppb		96
23) TBA	2.914	59	221053	283.72	ppb		97
24) Acrylonitrile	3.036	53	163776	94.04	ppb		99
25) Methyl-t-Butyl Ether	3.091	73	235494	19.02	ppb		98
26) trans-1,2-Dichloroethene	3.079	96	68312	18.41	ppb		98
28) 1,1-Dicethane	3.579	63	113211	18.53	ppb		97
29) Vinyl Acetate	3.670	86	20334	22.02	ppb	#	68
30) DIPE	3.701	45	185055	19.34	ppb		97
31) 2-Chloro-1,3-Butadiene	3.701	53	82387	17.99	ppb		92
32) ETBE	4.231	59	195191	18.87	ppb		98
33) 2,2-Dichloropropane	4.408	77	106136	18.94	ppb		96
34) cis-1,2-Dichloroethene	4.414	96	83378	19.22	ppb		84
35) 2-Butanone	4.463	43	35694	15.83	ppb		95
36) Propionitrile	4.536	54	70329	86.96	ppb		88
37) Bromochloromethane	4.804	130	56337	19.04	ppb		96
38) Methacrylonitrile	4.804	67	35773	17.49	ppb		95
39) Tetrahydrofuran	4.896	42	24603	16.09	ppb		86
40) Chloroform	4.987	83	122324	18.86	ppb		99
41) 1,1,1-Trichloroethane	5.280	97	108364	17.93	ppb		96

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26465.D
 Acq On : 7 May 2019 12:23 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 12:50:23 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	221285	19.92	ppb	96
44) Cyclohexane	5.365	41	51608	17.65	ppb	98
46) Carbontetrachloride	5.554	117	90313	17.79	ppb	93
47) 1,1-Dichloropropene	5.566	75	88661	18.91	ppb	96
49) Benzene	5.877	78	274005	18.15	ppb	98
50) 1,2-Dichloroethane	5.914	62	100998	18.88	ppb	99
51) Iso-Butyl Alcohol	5.883	43	89500	272.01	ppb	94
52) n-Heptane	6.359	43	73954	18.42	ppb	91
53) 1-Butanol	6.840	56	160325	720.96	ppb	96
54) Trichloroethene	6.822	130	91829	19.58	ppb	97
55) Methylcyclohexane	7.054	55	76473	17.46	ppb	# 80
56) 1,2-Diclpropane	7.096	63	64090	17.68	ppb	99
57) Dibromomethane	7.237	93	49100	19.37	ppb	94
58) 1,4-Dioxane	7.304	88	28658m	290.62	ppb	
59) Methyl Methacrylate	7.322	69	63183	17.59	ppb	90
60) Bromodichloromethane	7.462	83	86577	17.24	ppb	97
61) 2-Nitropropane	7.743	41	42647	32.80	ppb	96
62) 2-Chloroethylvinyl Ether	7.871	63	13388	5.21	ppb	94
63) cis-1,3-Dichloropropene	8.005	75	114382	17.65	ppb	97
64) 4-Methyl-2-pentanone	8.206	43	70585	15.64	ppb	100
66) Toluene	8.377	91	313296	18.35	ppb	100
67) trans-1,3-Dichloropropene	8.645	75	106449	18.53	ppb	99
68) Ethyl Methacrylate	8.785	69	107442	17.29	ppb	91
69) 1,1,2-Trichloroethane	8.828	97	71422	17.46	ppb	98
72) Tetrachloroethene	8.968	164	68551	18.44	ppb	92
73) 2-Hexanone	9.120	43	52263	15.04	ppb	99
74) 1,3-Dichloropropane	8.998	76	120781	19.33	ppb	95
75) Dibromochloromethane	9.224	129	74108	16.36	ppb	91
76) N-Butyl Acetate	9.279	43	104709	15.81	ppb	96
77) 1,2-Dibromoethane	9.321	107	78878	18.90	ppb	95
78) Chlorobenzene	9.815	112	212990	18.74	ppb	99
79) 3-CBTF	9.834	180	125268	19.20	ppb	97
80) 4-CBTF	9.888	180	110709	18.75	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.901	131	77461	17.57	ppb	97
82) Ethylbenzene	9.937	106	112777	18.36	ppb	97
83) (m+p)Xylene	10.047	106	281613	37.02	ppb	96
84) o-Xylene	10.407	106	142996	18.57	ppb	96
85) Styrene	10.419	104	224055	18.61	ppb	95
87) Bromoform	10.571	173	50749	14.82	ppb	98
88) 2-CBTF	10.650	180	122787	18.90	ppb	96
89) Isopropylbenzene	10.742	105	343742	18.51	ppb	96
90) Cyclohexanone	10.803	55	74297	80.20	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	22534	15.83	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	90649	16.16	ppb	97
93) Bromobenzene	10.986	156	102339	18.28	ppb	95
94) 1,2,3-Trichloropropane	11.028	110	35689	16.95	ppb	# 87
95) n-Propylbenzene	11.096	91	379973	18.87	ppb	98
96) 2-Chlorotoluene	11.163	91	229210	18.30	ppb	97
97) 3-Chlorotoluene	11.211	91	234503	19.82	ppb	99
98) 4-Chlorotoluene	11.254	91	270549	18.90	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	288538	18.50	ppb	98
100) tert-Butylbenzene	11.522	119	265765	18.65	ppb	100
101) 1,2,4-Trimethylbenzene	11.559	105	290641	18.74	ppb	100
102) 3,4-DCBTF	11.620	214	98421	17.77	ppb	94
103) sec-Butylbenzene	11.705	105	360772	18.09	ppb	97
104) p-Isopropyltoluene	11.827	119	317439	18.30	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26465.D
 Acq On : 7 May 2019 12:23 pm
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

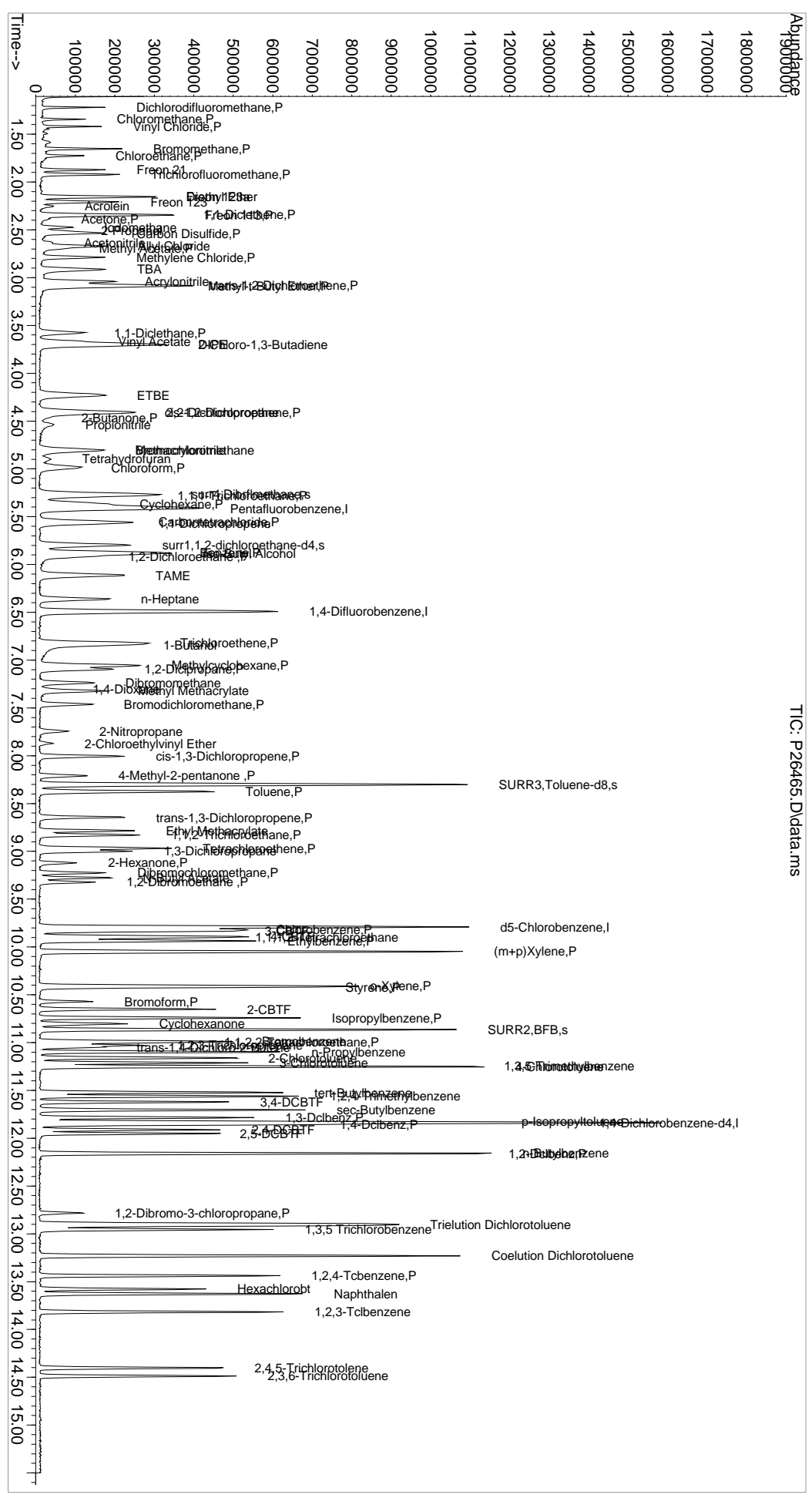
Quant Time: May 07 12:50:23 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	188365	18.84	ppb	95
106) 1,4-Dclbenz	11.858	146	193094	18.88	ppb	98
107) 2,4-DCBTF	11.912	214	89270	17.89	ppb	98
108) 2,5-DCBTF	11.955	214	100966	18.23	ppb	98
109) n-Butylbenzene	12.156	91	276263	19.14	ppb	97
110) 1,2-Dclbenz	12.162	146	182836	18.36	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	26342	13.24	ppb	92
112) Trielution Dichlorotol...	12.906	125	502286	60.05	ppb	97
113) 1,3,5 Trichlorobenzene	12.955	180	149102	18.85	ppb	97
114) Coelution Dichlorotoluene	13.229	125	365869	39.21	ppb	99
115) 1,2,4-Tcbenzene	13.437	180	157879	19.02	ppb	99
116) Hexachlorobt	13.577	225	62192	17.34	ppb	98
117) Naphthalen	13.626	128	422839	17.59	ppb	99
118) 1,2,3-Tclbenzene	13.815	180	159410	18.12	ppb	97
119) 2,4,5-Trichlorotoluene	14.400	159	108209	20.39	ppb	96
120) 2,3,6-Trichlorotoluene	14.485	159	104164	16.66	ppb	99

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

05/07/19
Data Path : I:\ACQDATA\msvoa12\Data\050719\
Data File : P26465.D
Acq On : 7 May 2019 12:23 pm
Operator : K.Ruest
Sample : LCS-ACID
Inst : MSVOA-12
Sample Vial : 1 Sample Multiplier: 1

Quant Time: May 07 12:50:23 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10mL Purge
Quant Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6459.D
 Acq On : 4 May 2019 5:01 pm
 Operator : F.NAEGLER
 Sample : LCS
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA14

Quant Time: May 04 17:16:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	420403	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.937	114	666529	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	574470	50.00	ug/L	0.00	
87) 1,4-Dichlorobenzene-d4	11.735	152	295721	50.00	ug/L	0.00	
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	190844	48.20	ug/L	0.00	
Spiked Amount	50.000	Range 63 - 138	Recovery =	96.40%			
47) SURR1,1,2-dichloroetha...	5.114	65	231712	48.61	ug/L	0.00	
Spiked Amount	50.000	Range 67 - 128	Recovery =	97.22%			
64) SURR3,Toluene-d8	7.943	98	758274	46.90	ug/L	0.00	
Spiked Amount	50.000	Range 66 - 138	Recovery =	93.80%			
69) SURR2,BFB	10.729	95	299772	46.35	ug/L	0.00	
Spiked Amount	50.000	Range 31 - 154	Recovery =	92.70%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.042	85	86711	16.17	ug/L		98
3) Chloromethane	1.152	50	101048	18.82	ug/L		99
4) Vinyl Chloride	1.219	62	82825	16.39	ug/L		95
5) Bromomethane	1.414	94	43147	14.57	ug/L		100
6) Chloroethane	1.481	64	41994	14.26	ug/L		96
7) Freon 21	1.603	67	121254	16.08	ug/L		97
8) Trichlorofluoromethane	1.651	101	86175	14.71	ug/L		95
9) Diethyl Ether	1.846	59	62784	17.01	ug/L		98
10) Freon 123a	1.846	67	78913	16.65	ug/L		96
11) Freon 123	1.889	83	95208	17.78	ug/L		99
12) Acrolein	1.932	56	27224	32.07	ug/L		98
13) 1,1-Dicethene	2.005	96	60405	16.76	ug/L		98
14) Freon 113	2.017	101	57138	15.72	ug/L		90
15) Acetone	2.042	43	44688	27.32	ug/L		93
16) 2-Propanol	2.157	45	141369	425.67	ug/L		93
17) Iodomethane	2.121	142	92455	18.43	ug/L		95
18) Carbon Disulfide	2.176	76	212002	19.47	ug/L		98
19) Acetonitrile	2.261	40	25854	107.22	ug/L		88
20) Allyl Chloride	2.285	76	38985	19.52	ug/L	#	76
21) Methyl Acetate	2.310	43	67807	21.06	ug/L		99
22) Methylene Chloride	2.389	84	85763	20.56	ug/L		95
23) TBA	2.505	59	224273	383.45	ug/L		99
24) Acrylonitrile	2.602	53	169419	107.85	ug/L		99
25) Methyl-t-Butyl Ether	2.657	73	243581	19.78	ug/L		95
26) trans-1,2-Dichloroethene	2.645	96	72768	18.15	ug/L		96
27) 1,1-Dicethane	3.066	63	142999	19.21	ug/L		96
28) Vinyl Acetate	3.145	86	17955	23.16	ug/L	#	73
29) DIPE	3.182	45	295633	22.79	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.175	53	102340	19.10	ug/L		99
31) ETBE	3.633	59	237230	19.70	ug/L		96
32) 2,2-Dichloropropane	3.779	77	96513	16.84	ug/L		96
33) cis-1,2-Dichloroethene	3.785	96	83849	18.45	ug/L		93
34) 2-Butanone	3.828	43	50279	22.59	ug/L		98
35) Propionitrile	3.883	54	65552	106.04	ug/L		100
36) Bromochloromethane	4.120	130	52710	18.79	ug/L		91
37) Methacrylonitrile	4.127	67	36239	20.02	ug/L		88
38) Tetrahydrofuran	4.206	42	30876	21.90	ug/L		87
39) Chloroform	4.273	83	134751	18.72	ug/L		95
40) 1,1,1-Trichloroethane	4.547	97	98840	16.89	ug/L		97

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6459.D
 Acq On : 4 May 2019 5:01 pm
 Operator : F.NAEGLER
 Sample : LCS
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 04 17:16:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.504	73	232349	20.59	ug/L	94
43) Cyclohexane	4.639	41	79655	19.95	ug/L	84
45) Carbontetrachloride	4.840	121	22319	15.49	ug/L #	80
46) 1,1-Dichloropropene	4.846	75	93793	17.22	ug/L	97
48) Benzene	5.218	78	303183	18.12	ug/L	96
49) 1,2-Dichloroethane	5.254	62	109025	18.62	ug/L	97
50) Iso-Butyl Alcohol	5.260	43	93298	411.45	ug/L	93
51) n-Heptane	5.803	43	97418	17.33	ug/L	95
52) 1-Butanol	6.364	56	150418	1045.58	ug/L	100
53) Trichloroethene	6.303	130	81416	17.32	ug/L	96
54) Methylcyclohexane	6.565	55	115669	20.30	ug/L	92
55) 1,2-Diclpropane	6.608	63	87632	19.60	ug/L	96
56) Dibromomethane	6.760	93	49461	18.26	ug/L	99
57) 1,4-Dioxane	6.852	88	24423	386.06	ug/L	99
58) Methyl Methacrylate	6.888	69	60377	19.61	ug/L	98
59) Bromodichloromethane	7.022	83	94949	18.03	ug/L	97
60) 2-Nitropropane	7.333	41	30648	31.16	ug/L #	82
61) 2-Chloroethylvinyl Ether	7.492	63	11513	12.83	ug/L	89
62) cis-1,3-Dichloropropene	7.620	75	127896	18.54	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	86095	20.53	ug/L	97
65) Toluene	8.022	91	319553	17.58	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	110379	18.61	ug/L	99
67) Ethyl Methacrylate	8.504	69	104215	18.71	ug/L	93
68) 1,1,2-Trichloroethane	8.522	97	69105	17.63	ug/L	93
71) Tetrachloroethene	8.668	164	56362	16.37	ug/L	97
72) 2-Hexanone	8.870	43	66068	21.80	ug/L	96
73) 1,3-Dichloropropane	8.711	76	128579	19.01	ug/L	97
74) Dibromochloromethane	8.961	129	64542	17.67	ug/L	99
75) N-Butyl Acetate	9.052	43	133632	21.77	ug/L	92
76) 1,2-Dibromoethane	9.058	107	70286	18.13	ug/L	95
77) Chlorobenzene	9.607	112	210382	18.13	ug/L	100
78) 1,1,1,2-Tetrachloroethane	9.705	131	69572	18.29	ug/L	98
79) Ethylbenzene	9.741	106	106755	17.42	ug/L	94
80) (m+p)Xylene	9.869	106	266500	35.35	ug/L	95
81) o-Xylene	10.247	106	131008	17.69	ug/L	96
82) Styrene	10.259	104	228636	18.60	ug/L	98
83) Bromoform	10.406	173	35965	16.86	ug/L	96
84) Isopropylbenzene	10.607	105	322318	16.69	ug/L	100
85) Cyclohexanone	10.656	55	308505	419.70	ug/L	90
86) trans-1,4-Dichloro-2-B...	10.930	53	23379	20.25	ug/L	98
88) 1,1,2,2-Tetrachloroethane	10.881	83	86265	18.67	ug/L	98
89) Bromobenzene	10.845	156	91809	18.57	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	29177	18.59	ug/L	94
91) n-Propylbenzene	10.979	91	392529	17.39	ug/L	98
92) 2-Chlorotoluene	11.034	91	246460	18.10	ug/L	95
93) 4-Chlorotoluene	11.131	91	284490	18.21	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	280986	17.85	ug/L	98
95) tert-Butylbenzene	11.418	119	230400	16.56	ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	286710	18.10	ug/L	97
97) sec-Butylbenzene	11.607	105	348522	16.46	ug/L	98
98) p-Isopropyltoluene	11.735	119	291159	16.69	ug/L	99
99) 1,3-Dclbenz	11.680	146	172838	18.06	ug/L	98
100) 1,4-Dclbenz	11.753	146	176601	18.21	ug/L	98
101) n-Butylbenzene	12.076	91	272328	16.74	ug/L	95
102) 1,2-Dclbenz	12.064	146	163678	18.06	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	15556	18.50	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6459.D
 Acq On : 4 May 2019 5:01 pm
 Operator : F.NAEGLER
 Sample : LCS Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 17:16:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

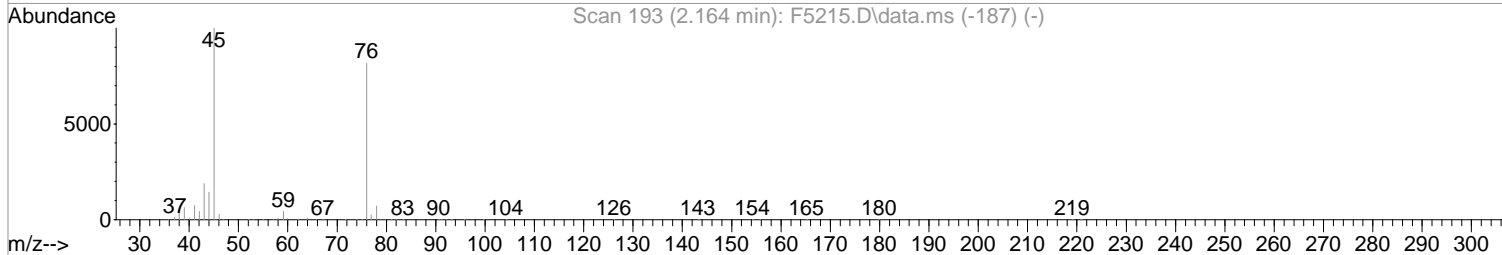
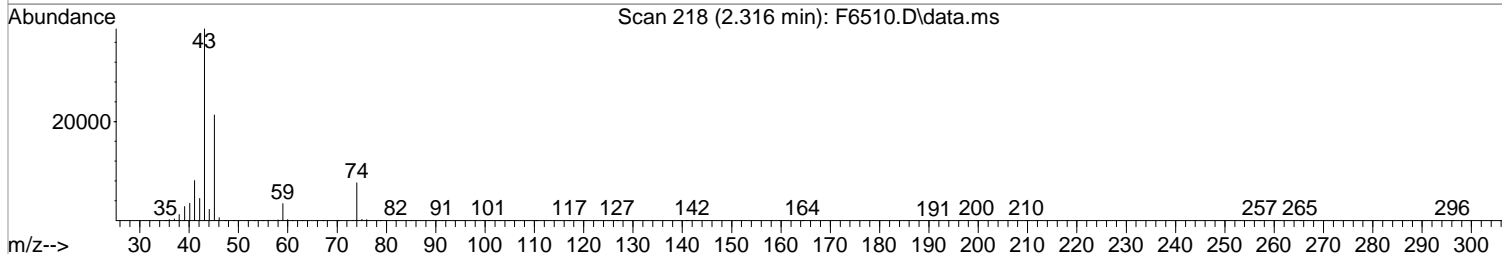
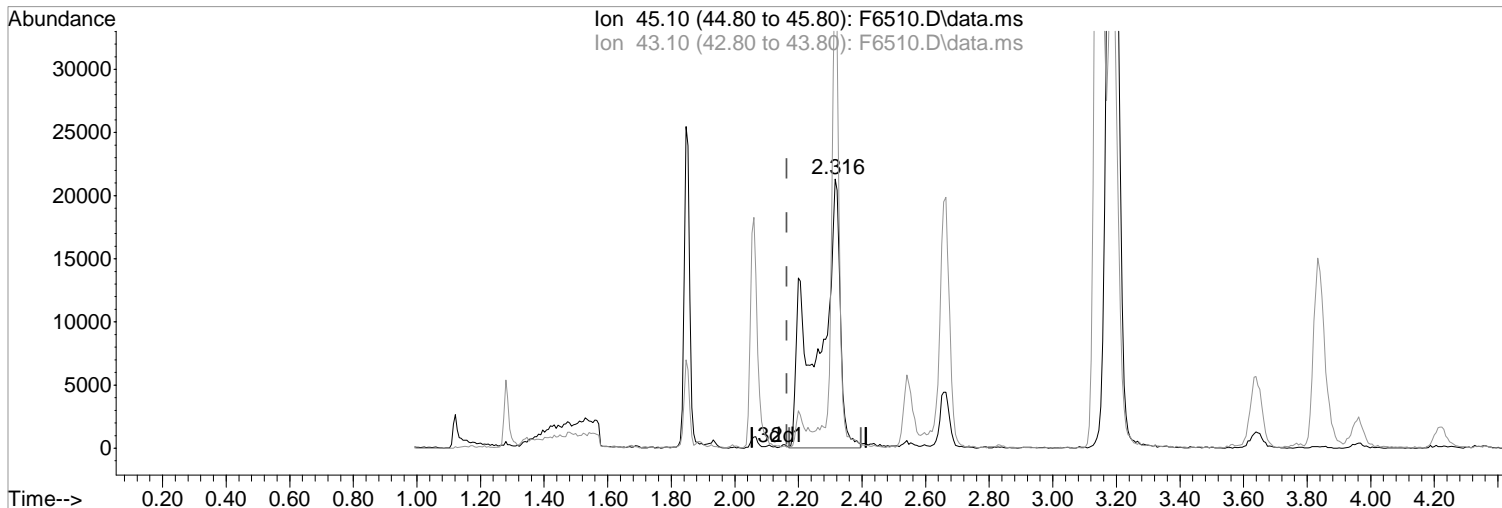
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	133438	20.83	ug/L	100
105) 1,2,4-Tcbenzene	13.363	180	105011	19.10	ug/L	97
106) Hexachlorobt	13.509	225	52288	15.78	ug/L	99
107) Naphthalen	13.545	128	220260	19.49	ug/L	98
108) 1,2,3-Tclbenzene	13.741	180	84089	18.80	ug/L	95

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

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(16) 2-Propanol
2.316min (+0.153) 356.16 ug/L m
response 97530

Manual Integration:

After

Poor integration.

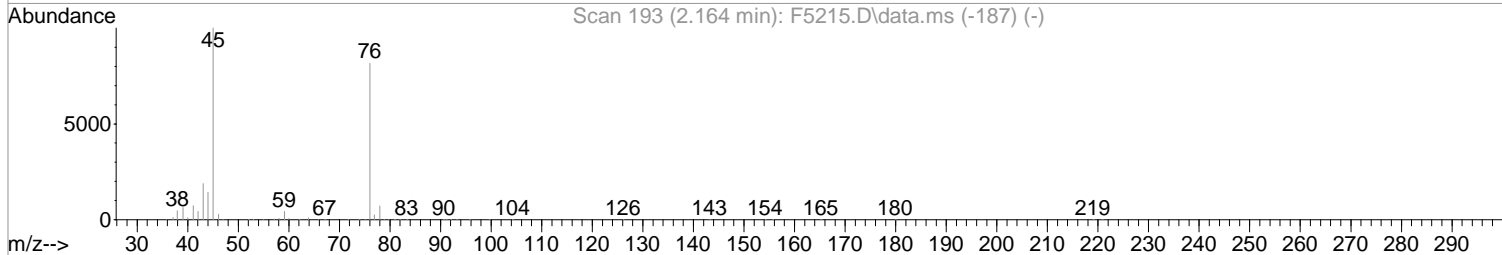
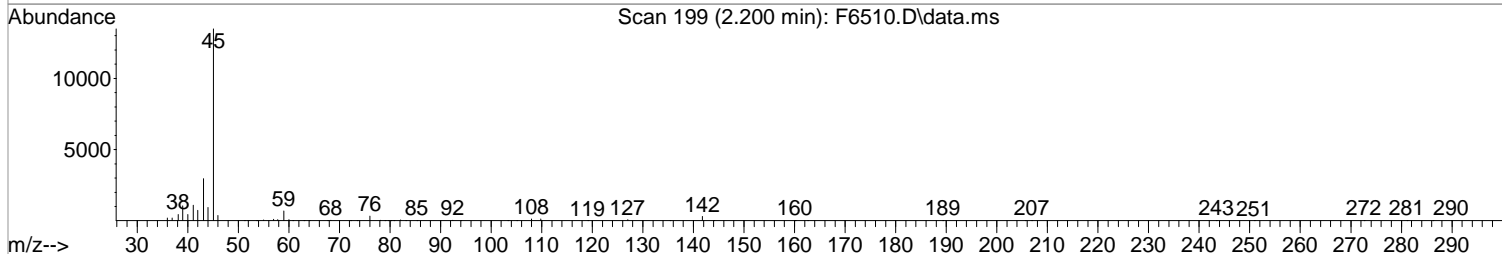
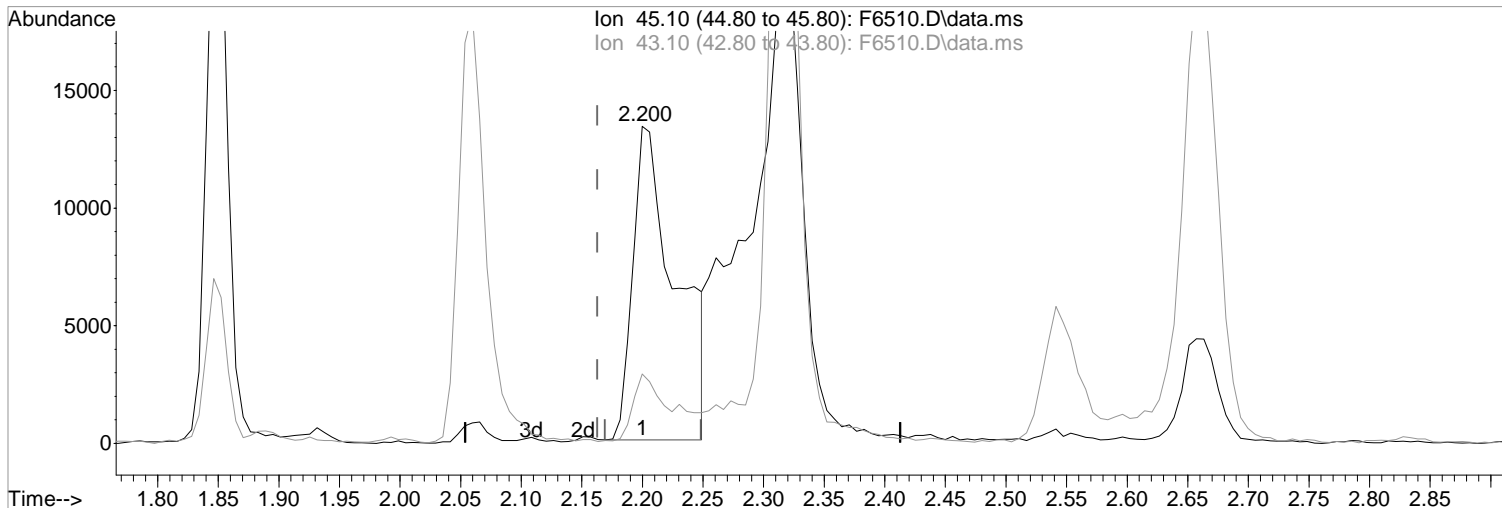
05/08/19

Ion	Exp%	Act%
45.10	100	100
43.10	18.90	181.67#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(16) 2-Propanol
2.200min (+0.037) 119.63 ug/L
response 32759

Manual Integration:
Before

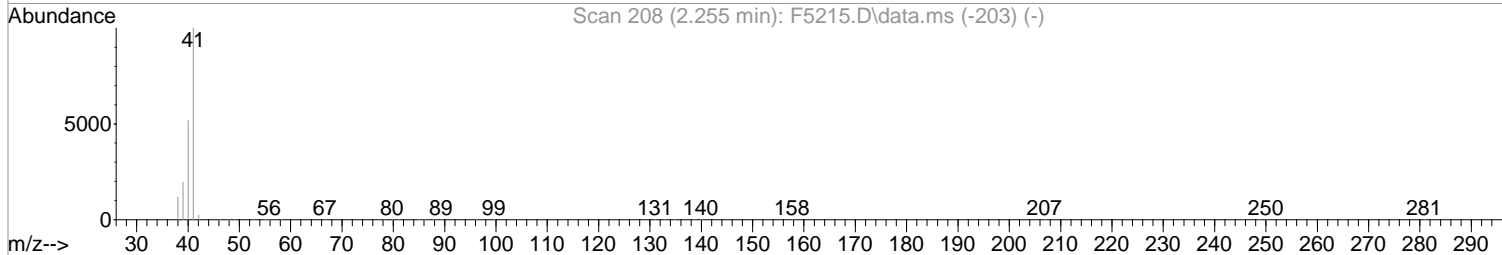
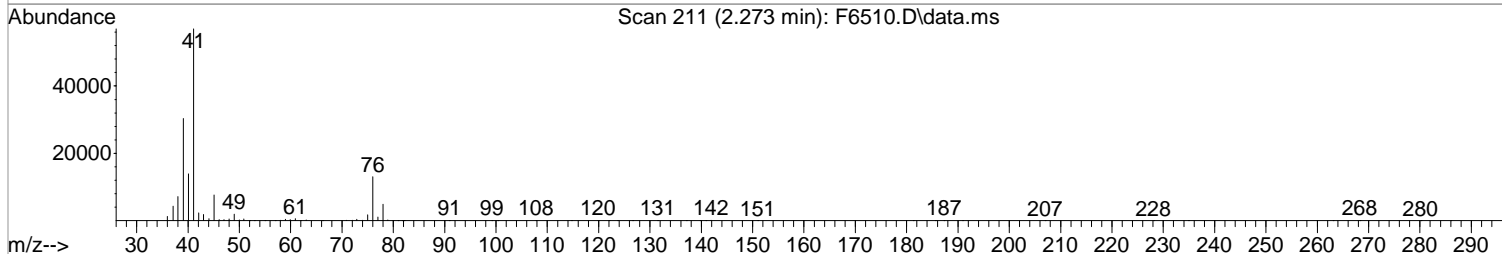
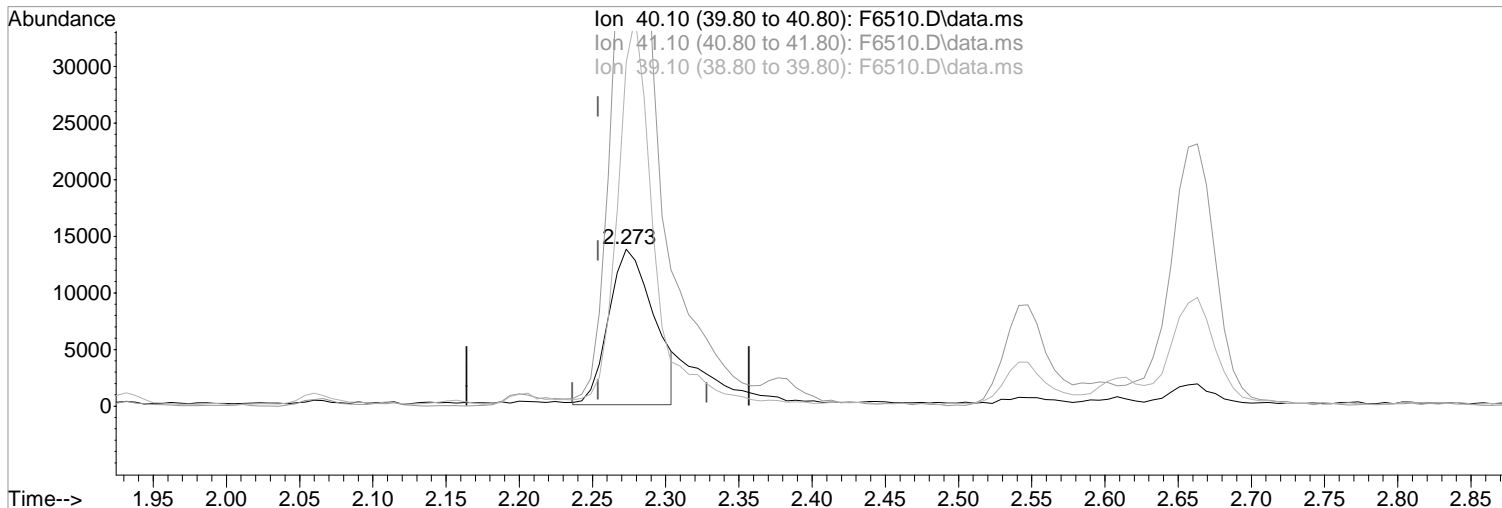
Ion	Exp%	Act%
45.10	100	100
43.10	18.90	21.90
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(19) Acetonitrile
2.273min (+0.019) 119.13 ug/L m
response 29448

Manual Integration:

After

Poor integration.

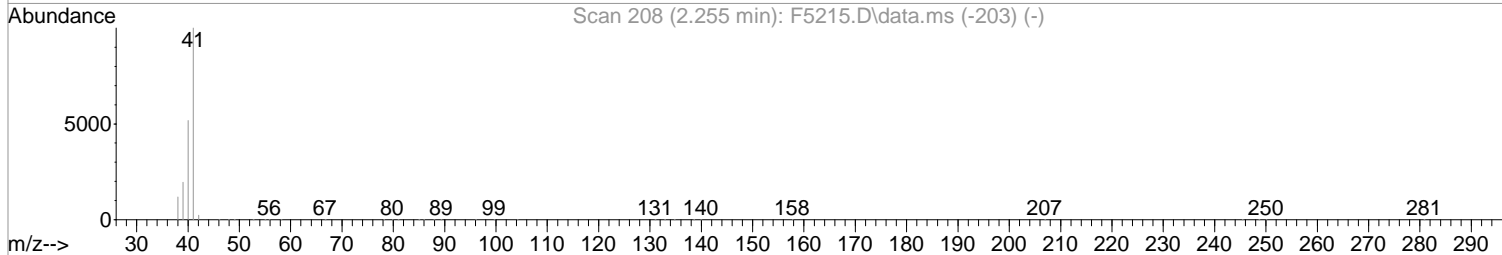
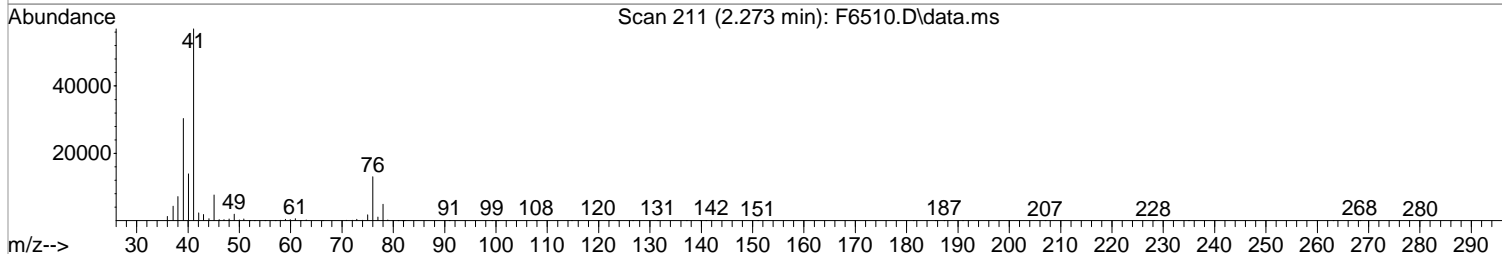
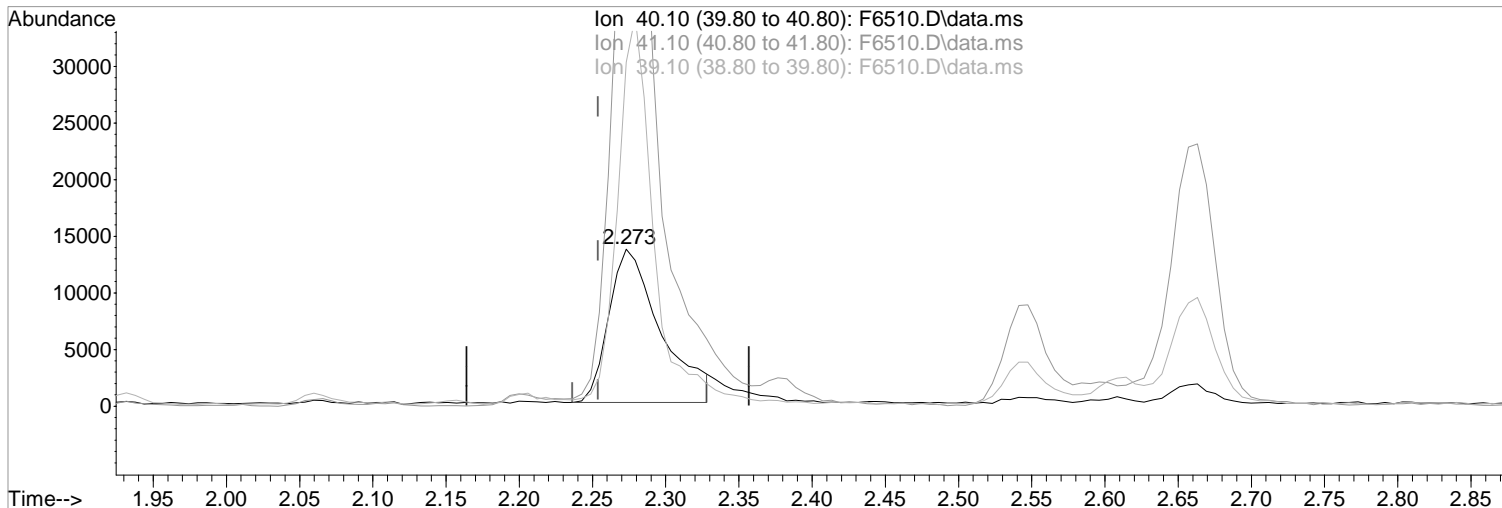
05/08/19

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	410.94#
39.10	38.20	218.94#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6510.D
 Acq On : 8 May 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : LCS-MED
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration



(19) Acetonitrile
 2.273min (+0.019) 134.52 ug/L
 response 33253

Manual Integration:
 Before

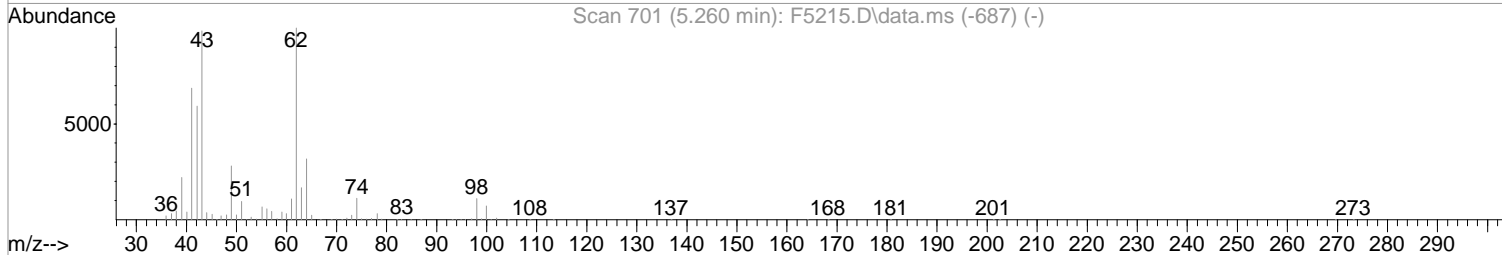
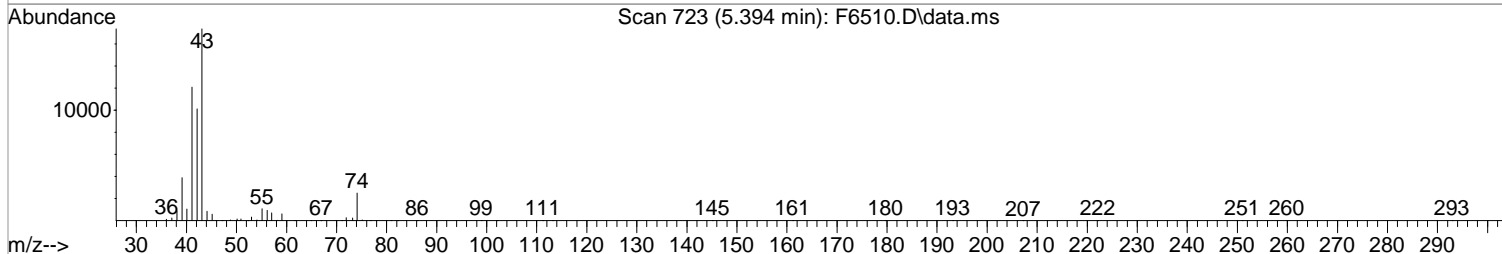
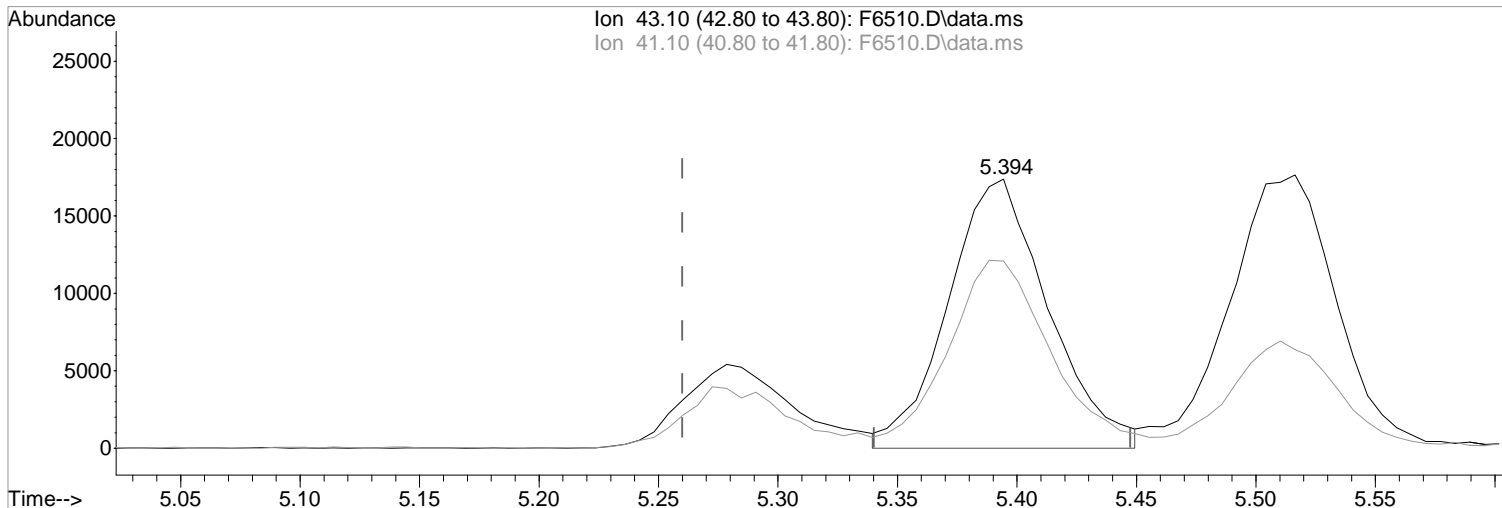
Ion	Exp%	Act%
40.10	100	100
41.10	192.60	410.94#
39.10	38.20	218.94#
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(50) Iso-Butyl Alcohol
5.394min (+0.134) 252.72 ug/L m
response 50600

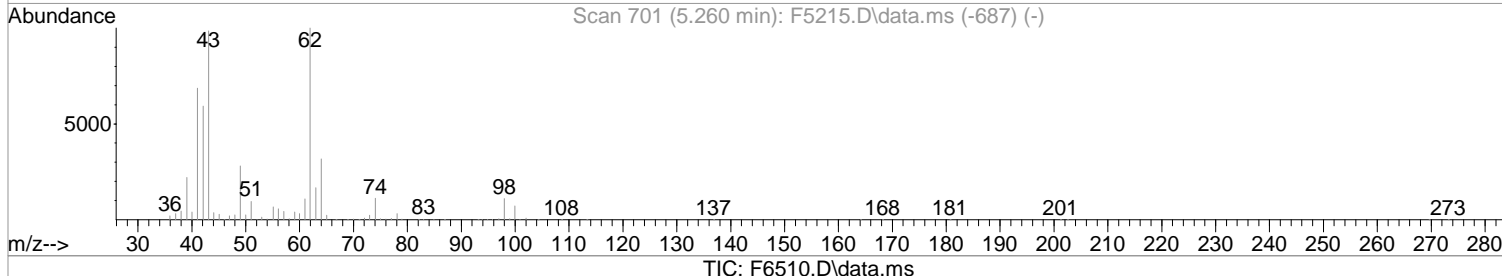
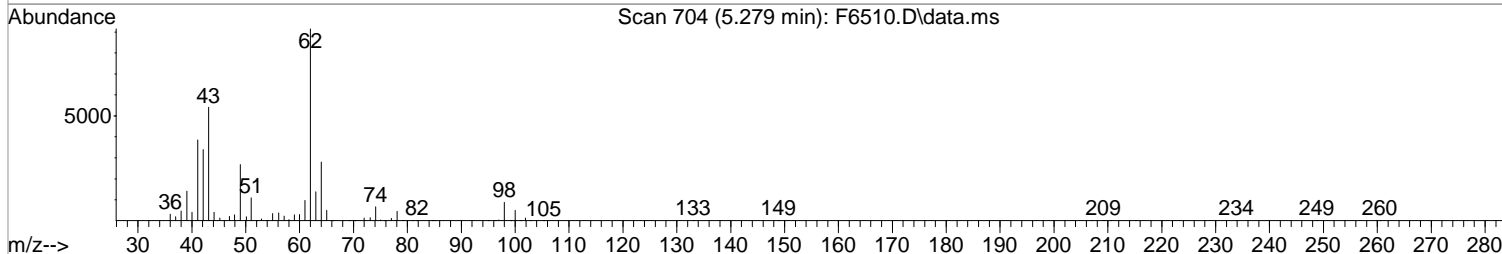
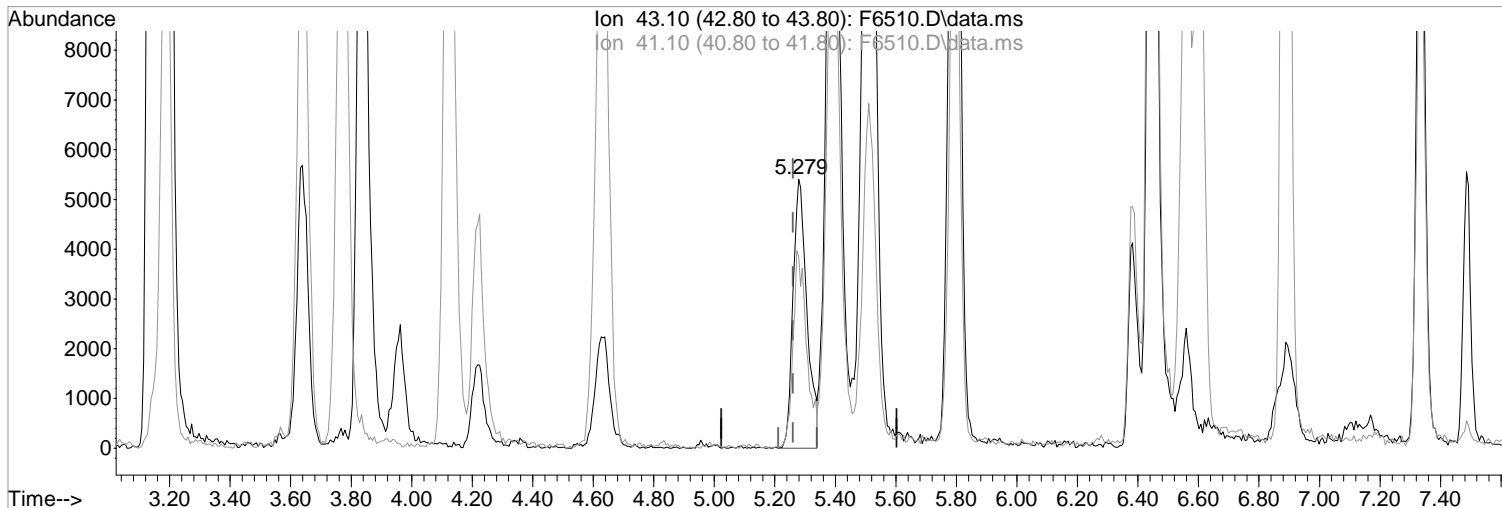
Manual Integration:
After
Wrong peak selected.
05/08/19

Ion	Exp%	Act%
43.10	100	100
41.10	69.70	69.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



(50) Iso-Butyl Alcohol
5.279min (+0.019) 86.33 ug/L
response 17286

Manual Integration:
Before

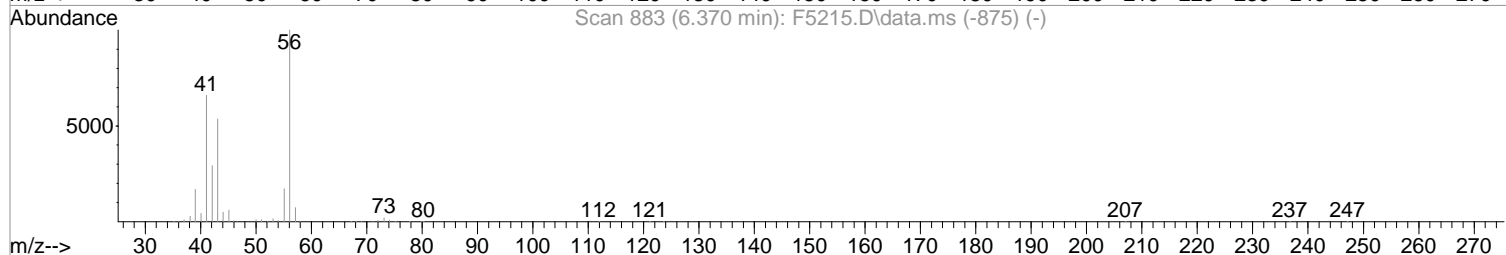
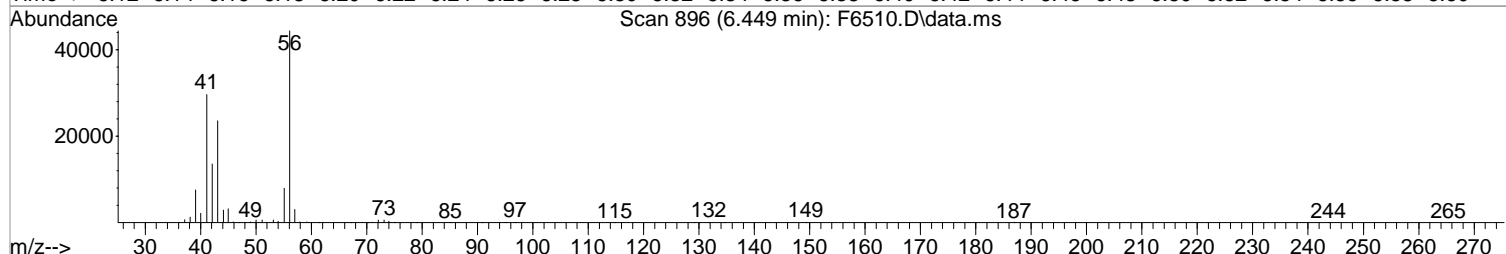
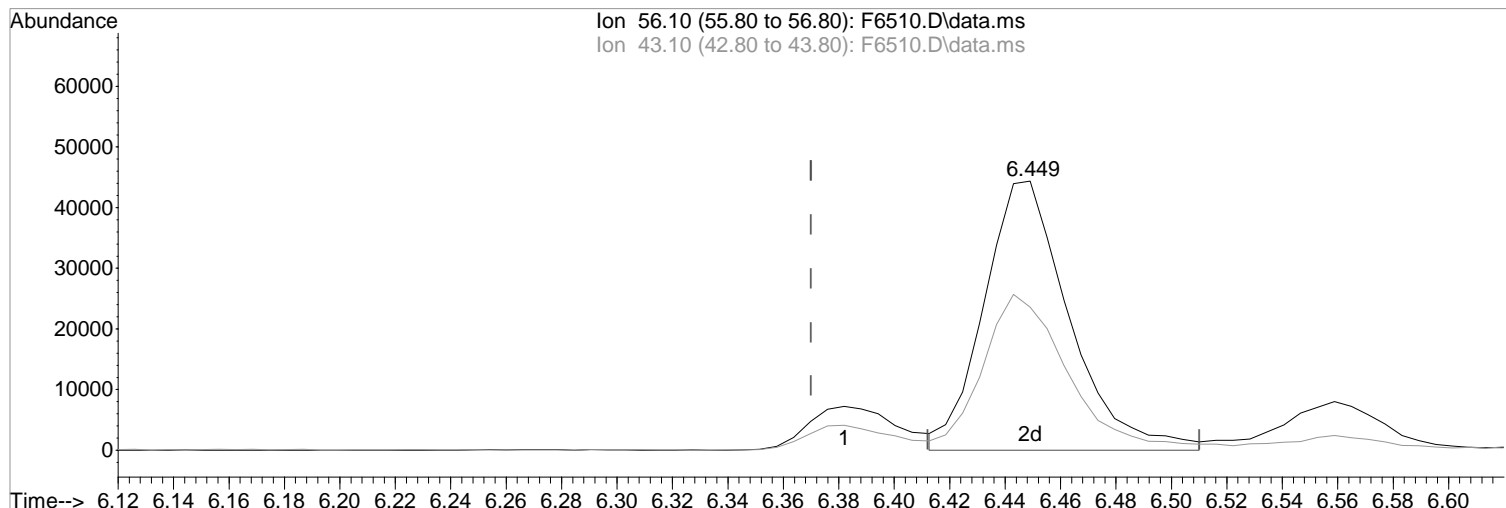
Ion	Exp%	Act%
43.10	100	100
41.10	69.70	71.39
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6510.D\data.ms

(52) 1-Butanol
6.449min (+0.079) 708.13 ug/L m
response 94696

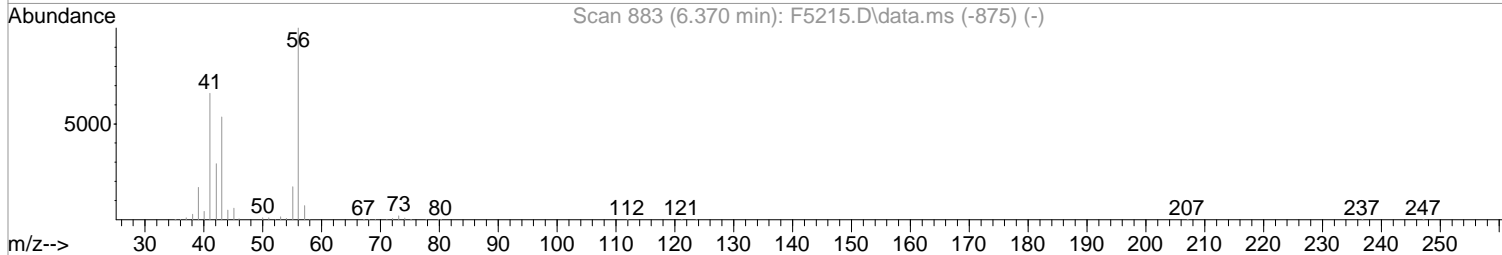
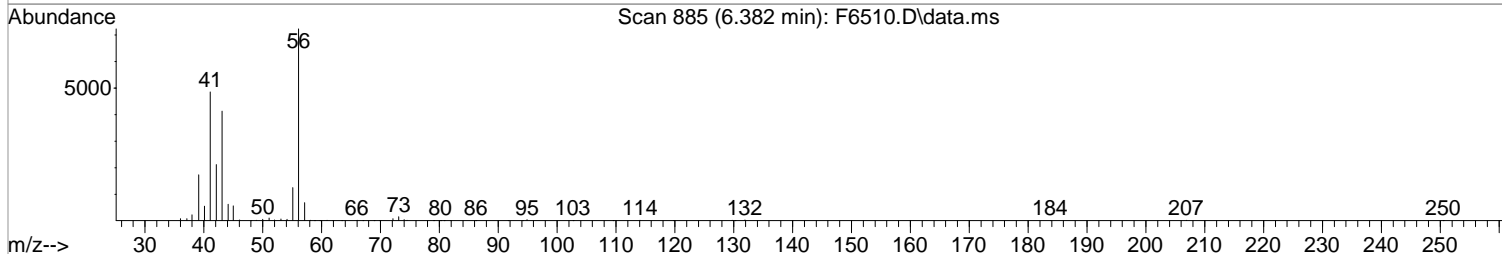
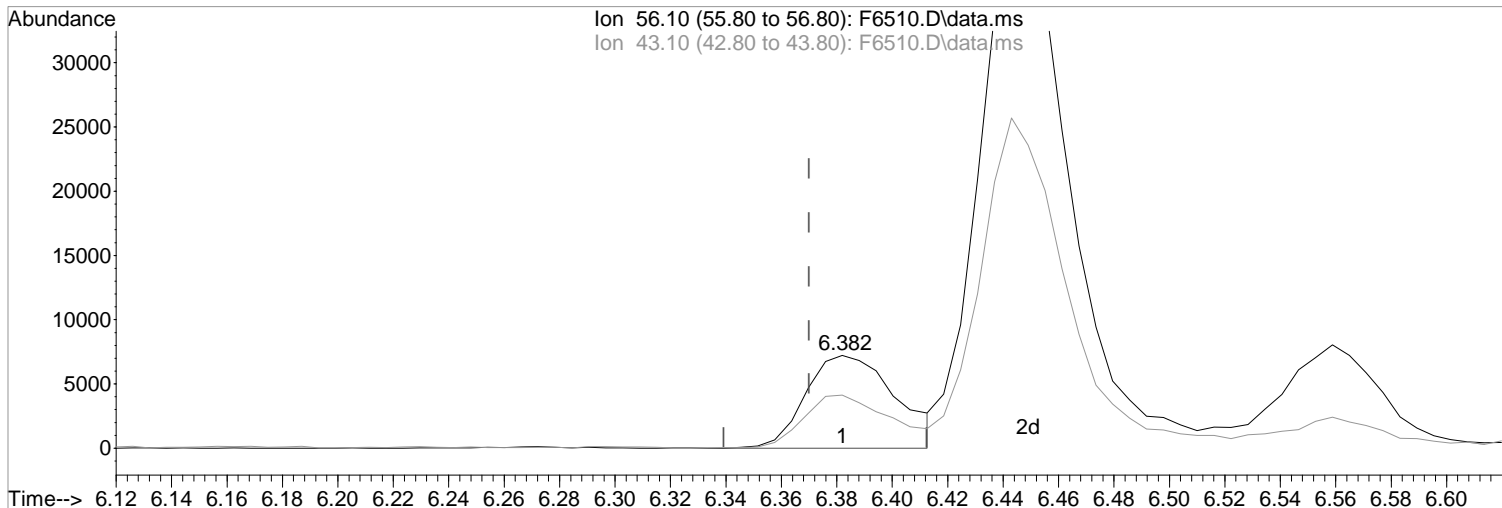
Manual Integration:
After
Wrong peak selected.
05/08/19

Ion	Exp%	Act%
56.10	100	100
43.10	53.70	53.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
Data File : F6510.D
Acq On : 8 May 2019 3:28 pm
Operator : F.NAEGLER
Sample : LCS-MED
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:43:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F6510.D\data.ms

(52) 1-Butanol
6.382min (+0.012) 121.24 ug/L
response 16213

Manual Integration:

Before

Ion	Exp%	Act%
56.10	100	100
43.10	53.70	57.18
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6510.D
 Acq On : 8 May 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : LCS-MED Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.681	168	251837	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.931	114	392788	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.576	117	345675	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.741	152	188592	50.00	ug/L	0.00	
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.529	113	118034	45.10	ug/L	0.00	
Spiked Amount	50.000	Range	89 - 119	Recovery	=	90.20%	
47) surr1,1,2-dichloroetha...	5.114	65	144209	47.01	ug/L	0.00	
Spiked Amount	50.000	Range	73 - 125	Recovery	=	94.02%	
64) SURR3,Toluene-d8	7.943	98	478117	45.76	ug/L	0.00	
Spiked Amount	50.000	Range	87 - 121	Recovery	=	91.52%	
69) SURR2,BFB	10.729	95	187184	46.27	ug/L	0.00	
Spiked Amount	50.000	Range	85 - 122	Recovery	=	92.54%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.042	85	42896	14.55	ug/L		98
3) Chloromethane	1.151	50	67195	20.35	ug/L		99
4) Vinyl Chloride	1.218	62	54901	18.43	ug/L		96
5) Bromomethane	1.401	94	23110	11.67	ug/L		98
6) Chloroethane	1.462	64	12103	6.93	ug/L		93
7) Freon 21	1.584	67	55179	13.11	ug/L		99
8) Trichlorofluoromethane	1.615	101	47551	14.25	ug/L		99
9) Diethyl Ether	1.846	59	40911	17.35	ug/L		97
10) Freon 123a	1.840	67	37012	14.18	ug/L		97
11) Freon 123	1.889	83	46845	15.74	ug/L		98
12) Acrolein	1.932	56	19575	30.18	ug/L		97
13) 1,1-Dicethene	1.993	96	36211	17.21	ug/L		94
14) Freon 113	1.999	101	33021	17.31	ug/L		100
15) Acetone	2.060	43	28594	23.23	ug/L		98
16) 2-Propanol	2.316	45	97530m	356.16	ug/L		
17) Iodomethane	2.108	142	33852	12.51	ug/L		99
18) Carbon Disulfide	2.157	76	118852	21.34	ug/L		99
19) Acetonitrile	2.273	40	29448m	119.13	ug/L		
20) Allyl Chloride	2.279	76	23691	19.52	ug/L	#	53
21) Methyl Acetate	2.316	43	59085	23.09	ug/L		94
22) Methylene Chloride	2.383	84	51952	19.37	ug/L		96
23) TBA	2.541	59	103157	224.47	ug/L		96
24) Acrylonitrile	2.608	53	135970	95.37	ug/L		97
25) Methyl-t-Butyl Ether	2.663	73	166411	20.78	ug/L		95
26) trans-1,2-Dichloroethene	2.633	96	43245	18.35	ug/L		91
27) 1,1-Dicethane	3.059	63	87220	20.17	ug/L		99
28) Vinyl Acetate	3.145	86	13004	23.34	ug/L	#	73
29) DIPE	3.188	45	186663	25.18	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.163	53	68461	24.03	ug/L		89
31) ETBE	3.639	59	157809	22.33	ug/L		97
32) 2,2-Dichloropropane	3.773	77	58766	18.40	ug/L		97
33) cis-1,2-Dichloroethene	3.773	96	52990	19.50	ug/L		94
34) 2-Butanone	3.834	43	36706	20.06	ug/L		97
35) Propionitrile	3.895	54	56357	95.90	ug/L		100
36) Bromochloromethane	4.114	130	33571	17.98	ug/L		88
37) Methacrylonitrile	4.126	67	27277	18.60	ug/L		97
38) Tetrahydrofuran	4.212	42	22270	18.51	ug/L		85
39) Chloroform	4.273	83	82922	19.42	ug/L		99
40) 1,1,1-Trichloroethane	4.541	97	58932	17.62	ug/L		99

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6510.D
 Acq On : 8 May 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : LCS-MED
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:44:54 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	156629	22.37	ug/L	97
43) Cyclohexane	4.632	41	35203	17.73	ug/L	95
45) Carbontetrachloride	4.834	117	41506	14.93	ug/L	98
46) 1,1-Dichloropropene	4.846	75	56264	17.85	ug/L	98
48) Benzene	5.212	78	190225	18.35	ug/L	98
49) 1,2-Dichloroethane	5.254	62	73202	19.90	ug/L	97
50) Iso-Butyl Alcohol	5.394	43	50600m	252.72	ug/L	
51) n-Heptane	5.791	43	52467	20.40	ug/L	89
52) 1-Butanol	6.449	56	94696m	708.13	ug/L	
53) Trichloroethene	6.297	130	46650	16.49	ug/L	99
54) Methylcyclohexane	6.559	55	51926	18.76	ug/L	90
55) 1,2-Diclpropane	6.608	63	55464	19.71	ug/L	99
56) Dibromomethane	6.760	93	32870	17.52	ug/L	96
57) 1,4-Dioxane	6.894	88	20957	345.65	ug/L	97
58) Methyl Methacrylate	6.888	69	43922	18.14	ug/L	93
59) Bromodichloromethane	7.022	83	57862	17.69	ug/L	99
60) 2-Nitropropane	7.333	41	22191	31.09	ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	14606	26.81	ug/L	93
62) cis-1,3-Dichloropropene	7.620	75	82383	19.08	ug/L	96
63) 4-Methyl-2-pentanone	7.863	43	61697	18.18	ug/L	98
65) Toluene	8.022	91	191876	17.32	ug/L	97
66) trans-1,3-Dichloropropene	8.327	75	74569	19.46	ug/L	98
67) Ethyl Methacrylate	8.504	69	78058	20.29	ug/L	91
68) 1,1,2-Trichloroethane	8.528	97	48986	17.53	ug/L	97
71) Tetrachloroethene	8.668	164	33146	14.76	ug/L	92
72) 2-Hexanone	8.869	43	47341	18.80	ug/L	92
73) 1,3-Dichloropropane	8.711	76	89938	18.99	ug/L	97
74) Dibromochloromethane	8.961	129	41220	15.91	ug/L	98
75) N-Butyl Acetate	9.052	43	87294	18.70	ug/L	97
76) 1,2-Dibromoethane	9.052	107	49132	17.30	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	62541	17.59	ug/L	96
78) Chlorobenzene	9.607	112	127832	17.45	ug/L	95
79) 4-Chlorobenzotrifluoride	9.711	180	56461	17.53	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	42928	17.97	ug/L	99
81) Ethylbenzene	9.747	106	64043	17.20	ug/L	97
82) (m+p)Xylene	9.869	106	159164	34.56	ug/L	97
83) o-Xylene	10.247	106	81601	17.91	ug/L	98
84) Styrene	10.259	104	141048	18.24	ug/L	95
85) Bromoform	10.412	173	24843	15.75	ug/L	96
86) 2-Chlorobenzotrifluoride	10.515	180	64649	18.05	ug/L	98
87) Isopropylbenzene	10.607	105	192855	17.14	ug/L	100
88) Cyclohexanone	10.668	55	243353	370.66	ug/L	100
89) trans-1,4-Dichloro-2-B...	10.936	53	17298	18.97	ug/L	86
91) 1,1,2,2-Tetrachloroethane	10.881	83	71969	18.14	ug/L	97
92) Bromobenzene	10.845	156	57653	17.60	ug/L	89
93) 1,2,3-Trichloropropane	10.906	110	22420	16.38	ug/L	99
94) n-Propylbenzene	10.979	91	228791	17.69	ug/L	98
95) 2-Chlorotoluene	11.034	91	147421	18.19	ug/L	98
96) 3-Chlorotoluene	11.088	91	160612	20.26	ug/L	98
97) 4-Chlorotoluene	11.131	91	170290	18.21	ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	166757	17.97	ug/L	98
99) tert-Butylbenzene	11.418	119	137360	17.09	ug/L	97
100) 1,2,4-Trimethylbenzene	11.460	105	174768	18.60	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.533	214	52970	18.82	ug/L	98
102) sec-Butylbenzene	11.607	105	201011	17.51	ug/L	98
103) p-Isopropyltoluene	11.735	119	171764	17.59	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6510.D
 Acq On : 8 May 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : LCS-MED Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 15:44:54 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

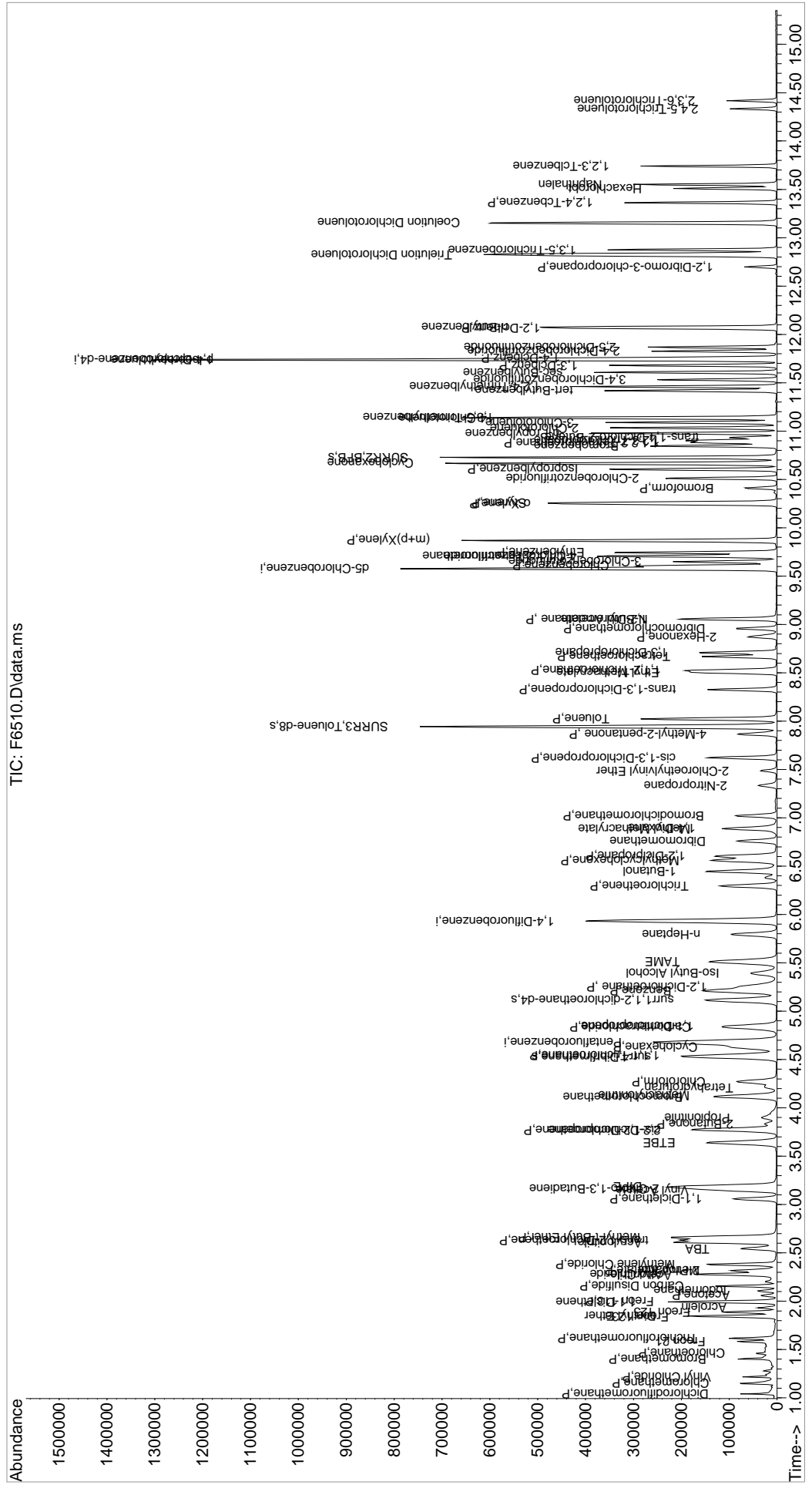
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	107063	18.06	ug/L	98
105) 1,4-Dclbenz	11.759	146	110800	17.79	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	49525	19.49	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.869	214	53915	18.51	ug/L	95
108) n-Butylbenzene	12.076	91	161754	18.80	ug/L	97
109) 1,2-Dclbenz	12.064	146	109972	18.27	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.698	157	13195	14.79	ug/L	97
111) Trielution Dichlorotol...	12.826	125	285614	65.48	ug/L	98
112) 1,3,5-Trichlorobenzene	12.875	180	82291	21.28	ug/L	98
113) Coelution Dichlorotoluene	13.155	125	208213	44.48	ug/L	99
114) 1,2,4-Tcbenzene	13.362	180	71791	17.95	ug/L	98
115) Hexachlorobt	13.509	225	31424	18.12	ug/L	97
116) Naphthalen	13.551	128	173193	14.59	ug/L	99
117) 1,2,3-Tclbenzene	13.740	180	63543	16.39	ug/L	99
118) 2,4,5-Trichlorotoluene	14.332	159	19159	23.14	ug/L	98
119) 2,3,6-Trichlorotoluene	14.417	159	18876	19.64	ug/L	96

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

Data Path : I:\ACQDATA\MSVOA14\Data\050819\
 Data File : F6510.D
 Acq On : 8 May 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : LCS-MED
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:44:54 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
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 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0944.D
 Acq On : 8 May 2019 10:37 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.385	168	260446	50.00	ug/L	0.00	
41) 1,4-Difluorobenzene	6.488	114	409528	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.805	117	361597	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.853	152	186995	50.00	ug/L	0.00	
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.232	113	131250	48.93	ug/L	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	97.86%			
46) surr1,1,2-dichloroetha...	5.781	65	183974	48.63	ug/L	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	97.26%			
64) SURR3,Toluene-d8	8.311	98	533679	48.07	ug/L	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	96.14%			
69) SURR2,BFB	10.877	95	202694	47.18	ug/L	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	94.36%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.154	85	76266	20.48	ug/L		99
3) Chloromethane	1.282	50	95924	18.84	ug/L		98
4) Vinyl Chloride	1.355	62	92075	19.58	ug/L		97
5) Bromomethane	1.581	94	49255	16.72	ug/L		100
6) Chloroethane	1.660	64	45886	16.12	ug/L		98
7) Freon 21	1.812	67	107624	16.07	ug/L		98
8) Trichlorofluoromethane	1.861	101	87692	19.36	ug/L		97
9) Diethyl Ether	2.093	59	58719	19.56	ug/L		100
10) Freon 123a	2.093	67	71188	18.40	ug/L		98
11) Freon 123	2.147	83	83190	20.33	ug/L		97
12) Acrolein	2.196	56	31398	41.36	ug/L		95
13) 1,1-Dicethene	2.282	96	51777	18.69	ug/L		97
14) Freon 113	2.288	101	52954	20.98	ug/L		99
15) Acetone	2.324	43	32270	17.42	ug/L		96
16) 2-Propanol	2.458	45	153723	398.00	ug/L		96
17) Iodomethane	2.416	142	68290	20.15	ug/L		93
18) Carbon Disulfide	2.477	76	167308	20.16	ug/L		98
19) Acetonitrile	2.580	41	70310	108.45	ug/L		96
20) Allyl Chloride	2.611	76	31404	19.00	ug/L	#	82
21) Methyl Acetate	2.635	43	74035	19.14	ug/L		98
22) Methylene Chloride	2.733	84	59928	18.32	ug/L		97
23) TBA	2.861	59	206793	357.15	ug/L		100
24) Acrylonitrile	2.983	53	179542	100.47	ug/L		97
25) Methyl-t-Butyl Ether	3.031	73	198819	18.86	ug/L		99
26) trans-1,2-Dichloroethene	3.031	96	56433	19.30	ug/L		92
27) 1,1-Dicethane	3.525	63	120322	19.43	ug/L		98
28) Vinyl Acetate	3.617	86	13614	20.16	ug/L	#	78
29) DIPE	3.653	45	251385	21.77	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.647	53	97938	19.98	ug/L		99
31) ETBE	4.178	59	196482	19.24	ug/L		92
32) 2,2-Dichloropropane	4.360	77	90161	17.68	ug/L		97
33) cis-1,2-Dichloroethene	4.367	96	61065	18.92	ug/L		97
34) 2-Butanone	4.415	43	46693	19.72	ug/L		97
35) Propionitrile	4.488	54	69992	99.35	ug/L		95
36) Bromochloromethane	4.763	130	34412	18.12	ug/L		92
37) Methacrylonitrile	4.769	67	34040	18.47	ug/L	#	82
38) Tetrahydrofuran	4.860	42	32911	19.90	ug/L		92
39) Chloroform	4.946	83	102920	18.83	ug/L		94
40) 1,1,1-Trichloroethane	5.251	97	83038	18.17	ug/L		97

Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0944.D
 Acq On : 8 May 2019 10:37 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.330	41	68217	18.61	ug/L	98
44) Carbontetrachloride	5.531	117	64474	17.85	ug/L	99
45) 1,1-Dichloropropene	5.543	75	83568	19.42	ug/L	97
47) Benzene	5.860	78	242867	19.29	ug/L	98
48) 1,2-Dichloroethane	5.903	62	88089	17.53	ug/L	96
49) Iso-Butyl Alcohol	5.872	43	98990	361.35	ug/L	96
50) TAME	6.098	73	182537	19.74	ug/L	98
51) n-Heptane	6.354	43	101437	21.68	ug/L	93
52) 1-Butanol	6.848	56	134687	866.45	ug/L	96
53) Trichloroethene	6.811	130	58347	18.64	ug/L	98
54) Methylcyclohexane	7.049	55	84817	19.27	ug/L	90
55) 1,2-Diclpropane	7.098	63	67908	19.40	ug/L	97
56) Dibromomethane	7.238	93	36886	18.38	ug/L	91
57) 1,4-Dioxane	7.299	88	21045	365.37	ug/L	94
58) Methyl Methacrylate	7.329	69	52886	18.96	ug/L	96
59) Bromodichloromethane	7.463	83	71602	18.13	ug/L	98
60) 2-Nitropropane	7.750	41	35978	29.09	ug/L	92
61) 2-Chloroethylvinyl Ether	7.878	63	1327	0.72	ug/L	89
62) cis-1,3-Dichloropropene	8.012	75	99886	19.03	ug/L	97
63) 4-Methyl-2-pentanone	8.219	43	90782	20.21	ug/L	96
65) Toluene	8.384	91	244339	18.45	ug/L	98
66) trans-1,3-Dichloropropene	8.652	75	87911	18.14	ug/L	99
67) Ethyl Methacrylate	8.793	69	93180	18.54	ug/L	98
68) 1,1,2-Trichloroethane	8.841	97	50963	17.29	ug/L	94
71) Tetrachloroethene	8.975	164	40905	17.61	ug/L	94
72) 2-Hexanone	9.134	43	63822	18.26	ug/L	100
73) 1,3-Dichloropropane	9.012	76	99327	18.99	ug/L	96
74) Dibromochloromethane	9.238	129	48170	16.90	ug/L	93
75) N-Butyl Acetate	9.286	43	134941	19.69	ug/L	98
76) 1,2-Dibromoethane	9.335	107	51845	17.74	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	79588	19.16	ug/L	93
78) Chlorobenzene	9.829	112	145809	17.88	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	72900	19.70	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.914	131	49339	17.97	ug/L	98
81) Ethylbenzene	9.951	106	80955	18.96	ug/L	96
82) (m+p)Xylene	10.061	106	199425	36.32	ug/L	98
83) o-Xylene	10.420	106	97479	18.24	ug/L	96
84) Styrene	10.432	104	165784	18.58	ug/L	99
85) Bromoform	10.585	173	31554	17.43	ug/L	100
86) 2-Chlorobenzotrifluoride	10.664	180	74946	18.17	ug/L	97
87) Isopropylbenzene	10.756	105	252008	18.20	ug/L	100
88) Cyclohexanone	10.817	55	71233	92.80	ug/L	94
89) trans-1,4-Dichloro-2-B...	11.060	53	22162	19.32	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.012	83	73774	17.54	ug/L	98
92) Bromobenzene	10.999	156	63273	19.11	ug/L	96
93) 1,2,3-Trichloropropane	11.042	110	20906	16.69	ug/L	98
94) n-Propylbenzene	11.109	91	310268	18.71	ug/L	100
95) 2-Chlorotoluene	11.170	91	182996	18.71	ug/L	95
96) 3-Chlorotoluene	11.225	91	186996	19.27	ug/L	96
97) 4-Chlorotoluene	11.268	91	208944	18.28	ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	210686	18.63	ug/L	98
99) tert-Butylbenzene	11.536	119	175408	18.35	ug/L	98
100) 1,2,4-Trimethylbenzene	11.572	105	209493	18.59	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.633	214	64722	18.90	ug/L	96
102) sec-Butylbenzene	11.719	105	268351	18.53	ug/L	98
103) p-Isopropyltoluene	11.841	119	217211	18.39	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0944.D
 Acq On : 8 May 2019 10:37 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 10:51:56 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

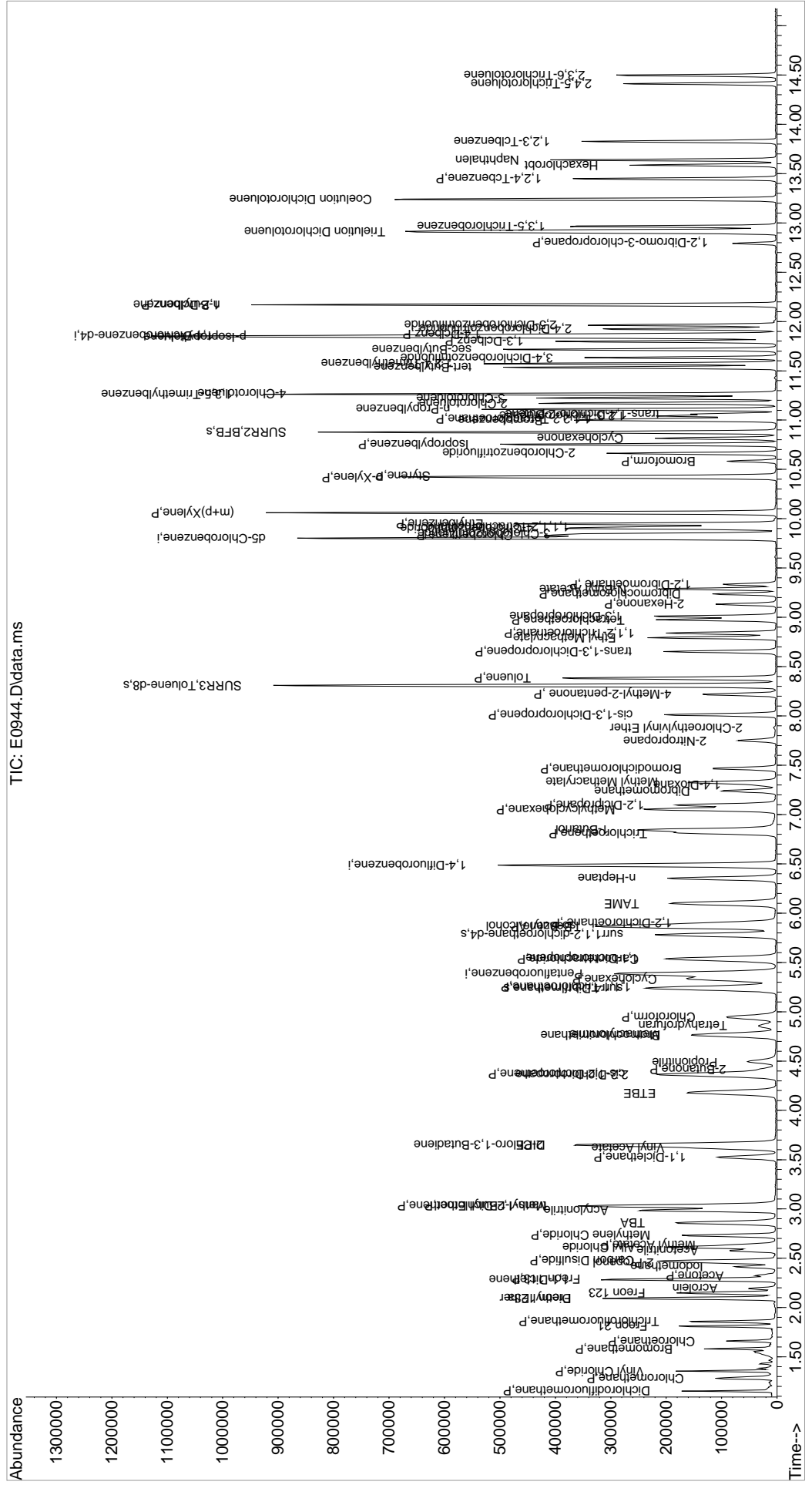
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	115274	18.00	ug/L	98
105) 1,4-Dclbenz	11.871	146	117996	17.92	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	59561	19.18	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.963	214	67914	20.86	ug/L	96
108) n-Butylbenzene	12.170	91	224788	19.12	ug/L	98
109) 1,2-Dclbenz	12.170	146	112347	17.73	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.798	157	14991	16.66	ug/L #	81
111) Trielution Dichlorotol...	12.908	125	316449	57.49	ug/L	93
112) 1,3,5-Trichlorobenzene	12.969	180	90067	19.73	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	221536	36.84	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	87343	18.56	ug/L	100
115) Hexachlorobt	13.584	225	38785	19.88	ug/L	96
116) Naphthalen	13.639	128	230889	18.54	ug/L	97
117) 1,2,3-Tclbenzene	13.828	180	82323	18.14	ug/L	95
118) 2,4,5-Trichlorotoluene	14.413	159	54276	20.36	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	52055	17.13	ug/L	97

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

Data Path : I:\ACQDATA\msvoa10\data\050819\
Data File : E0944.D
Acq On : 8 May 2019 10:37 am
Operator : D.LIPANI
Sample : LCS-Acid
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA10

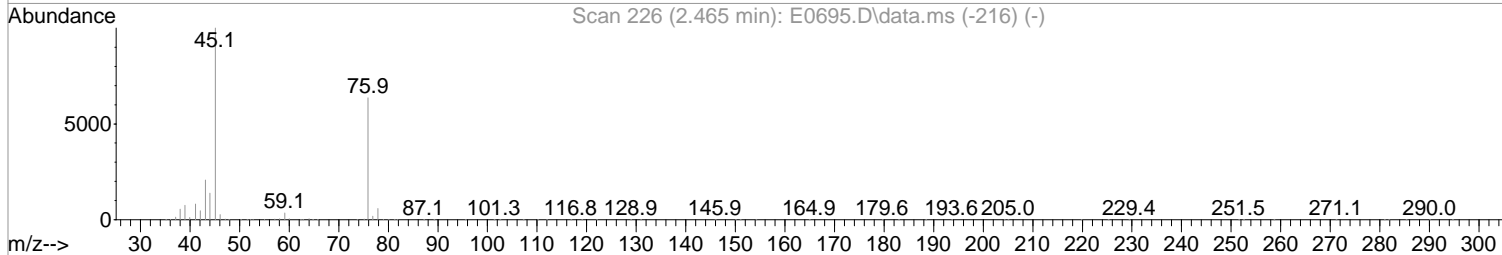
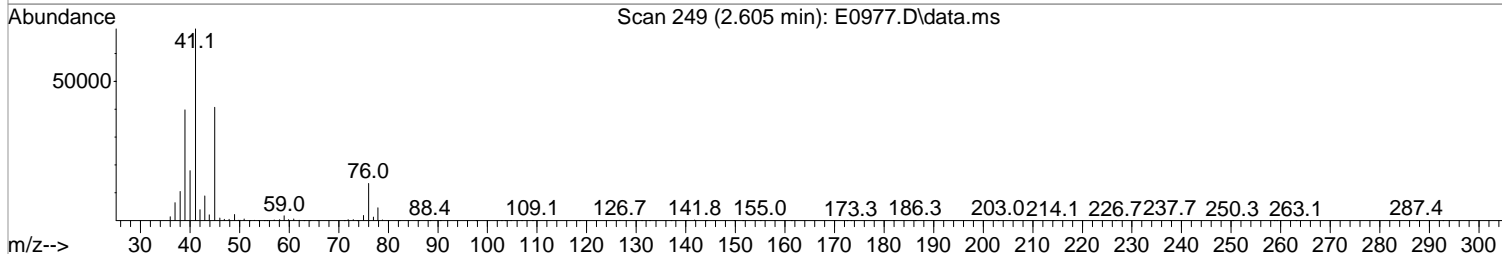
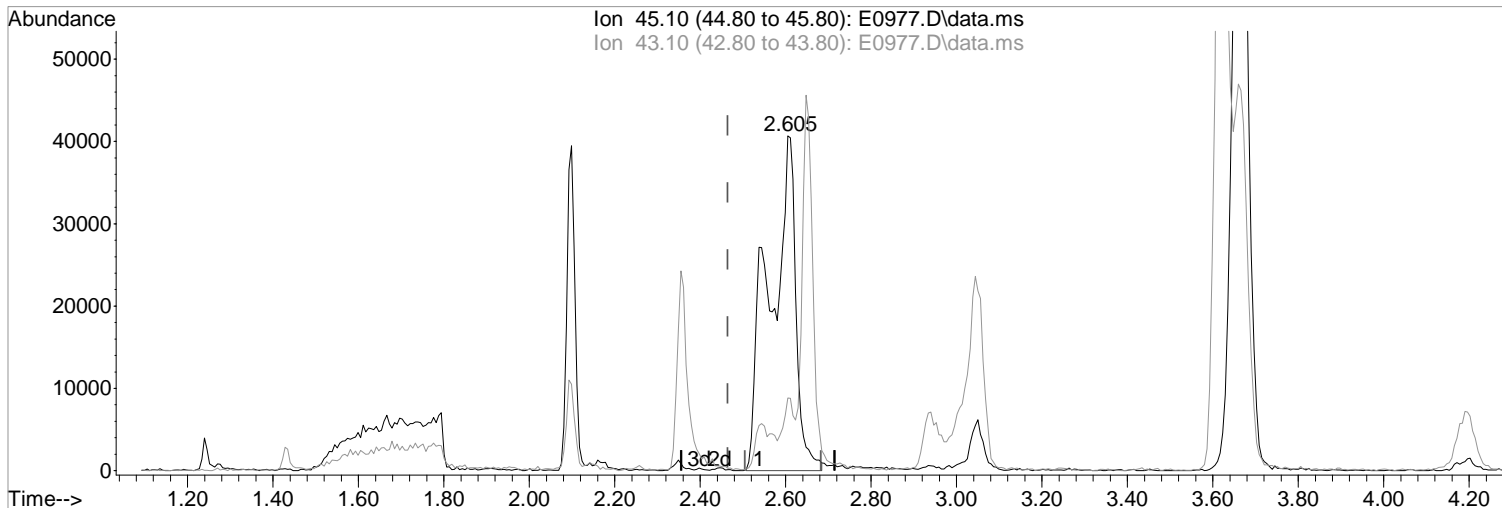
Quant Time: May 08 10:51:56 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0977.D\data.ms

(16) 2-Propanol
2.605min (+0.140) 476.27 ug/L m
response 171059

Manual Integration:
After
Poor integration.

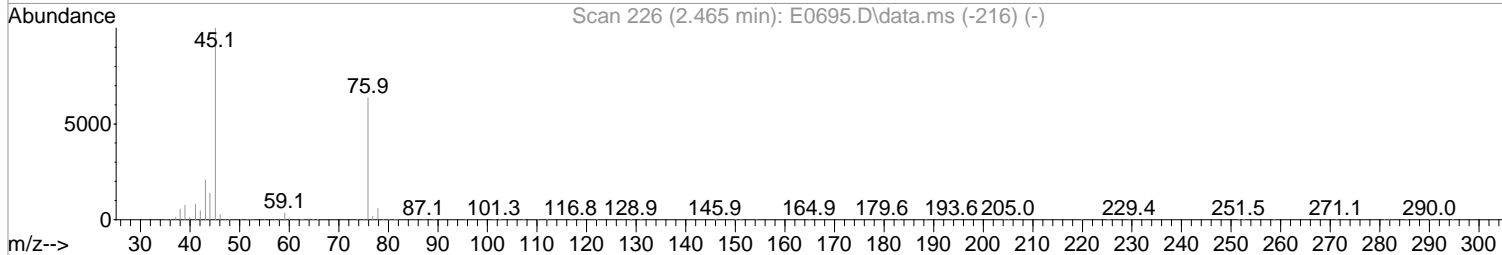
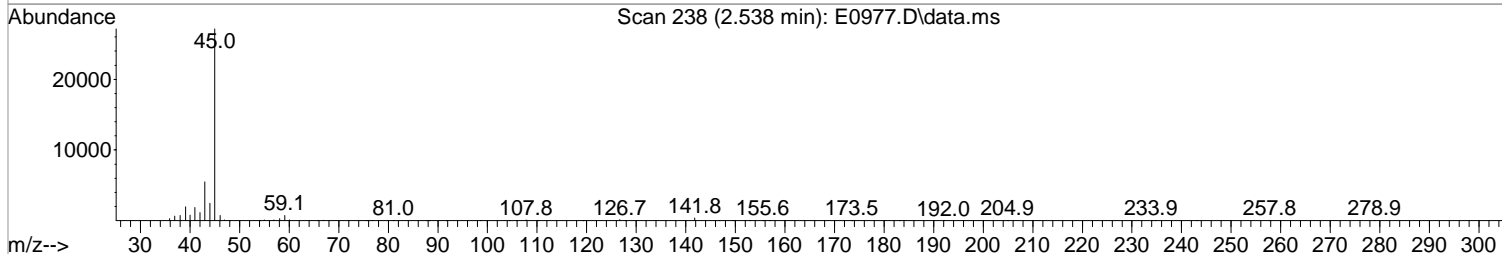
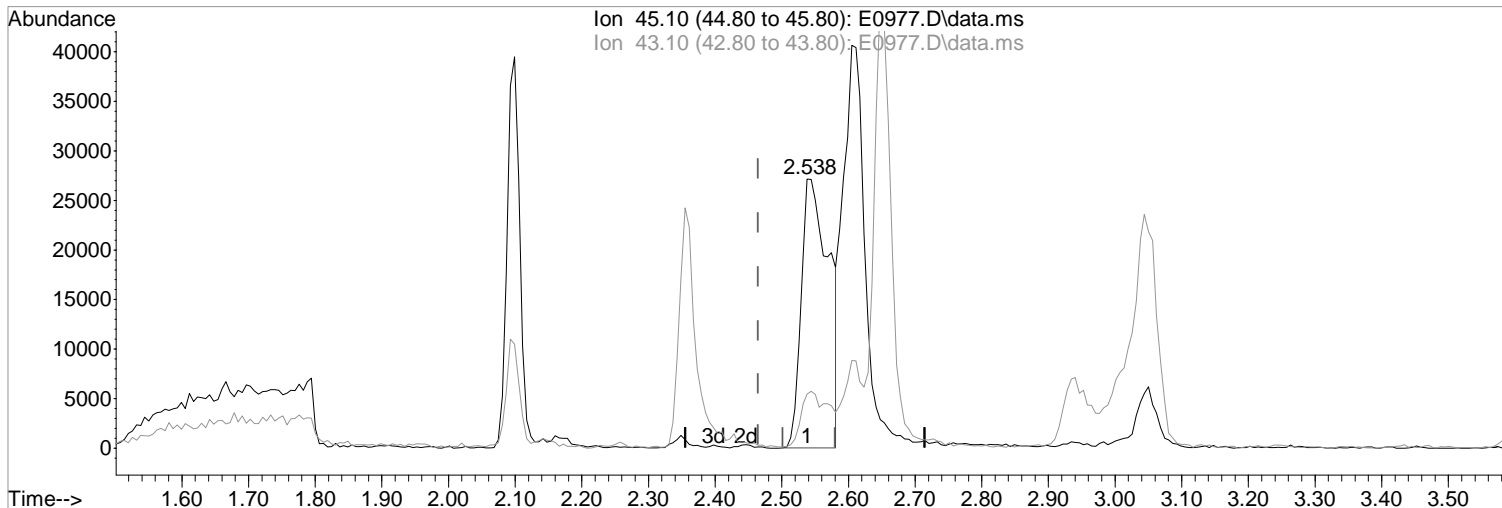
Ion	Exp%	Act%
45.10	100	100
43.10	20.90	21.72
0.00	0.00	0.00
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0977.D\data.ms

(16) 2-Propanol
2.538min (+0.073) 217.07 ug/L
response 77962

Manual Integration:
Before

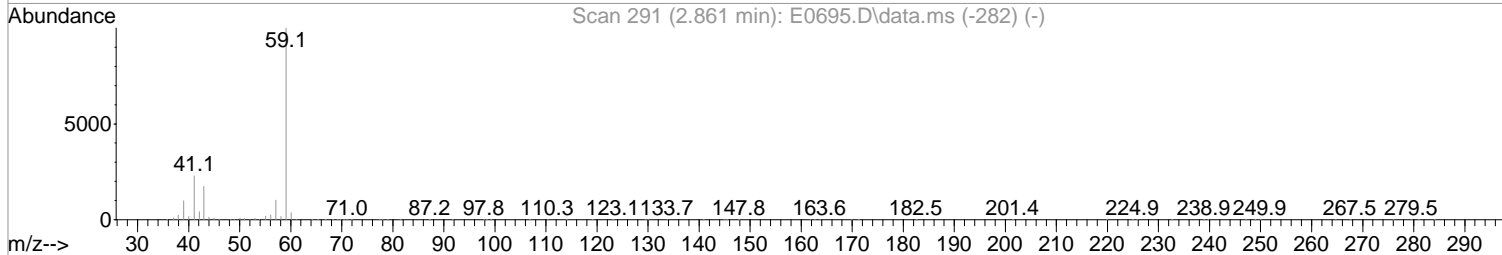
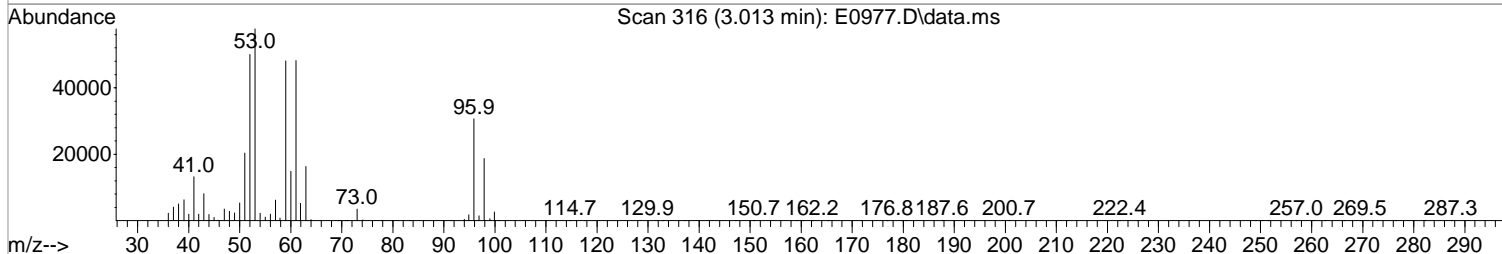
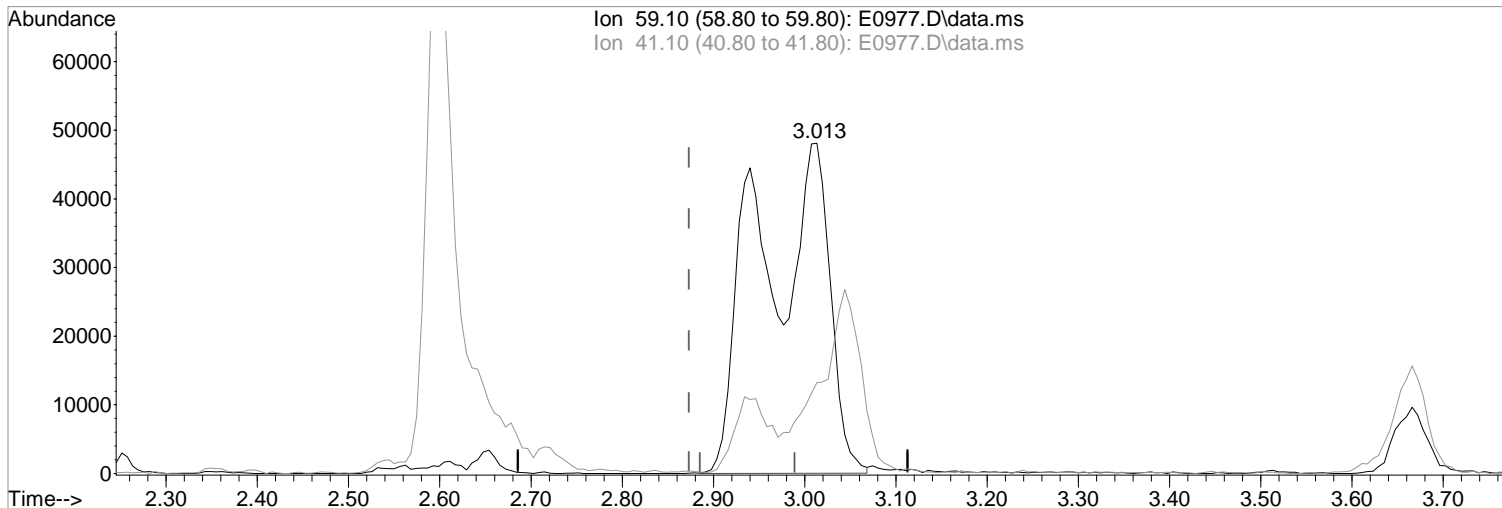
Ion	Exp%	Act%
45.10	100	100
43.10	20.90	20.16
0.00	0.00	0.00
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(23) TBA

3.013min (+0.140) 462.99 ug/L m

response 249282

Ion	Exp%	Act%
59.10	100	100
41.10	23.10	27.47
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

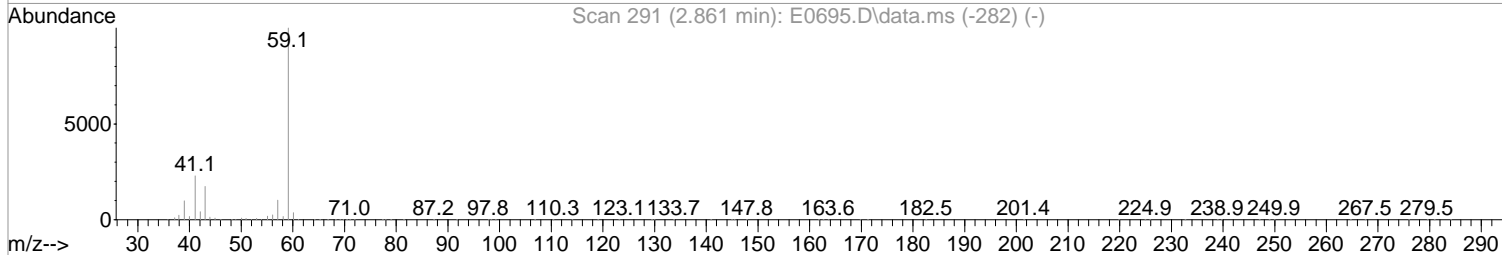
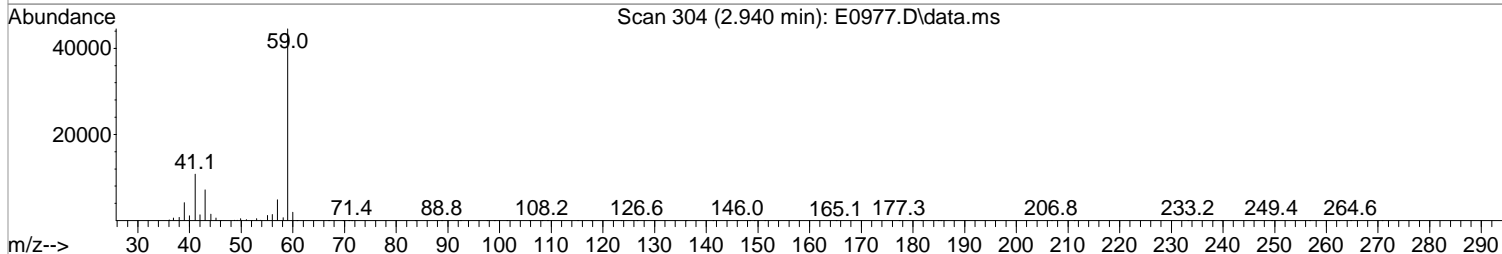
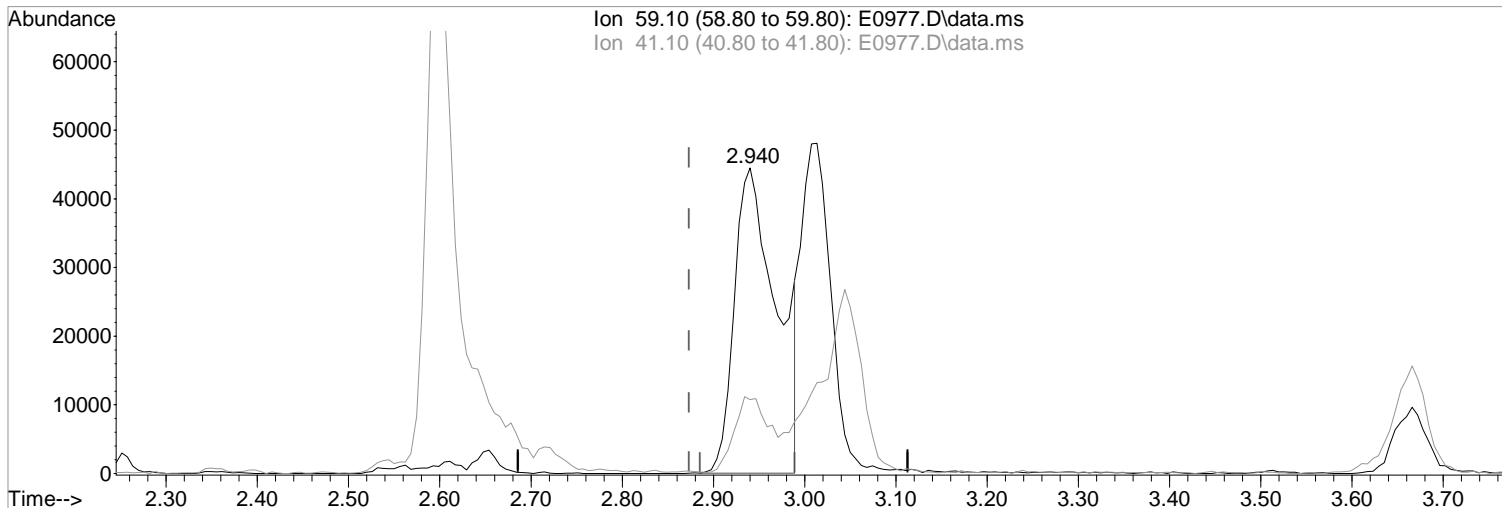
Poor integration.

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(23) TBA
2.940min (+0.067) 265.21 ug/L
response 142793

Manual Integration:
Before

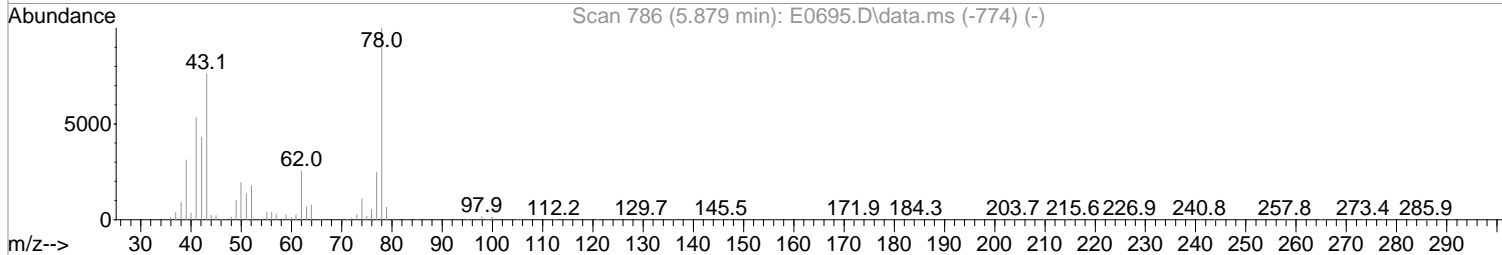
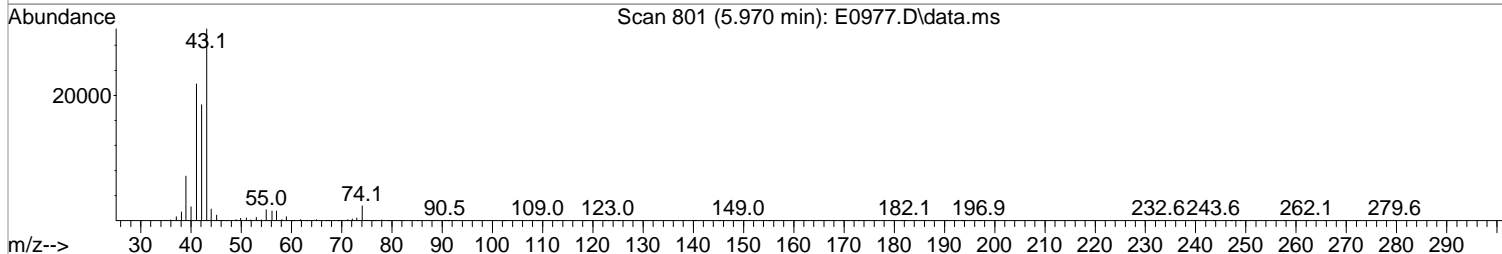
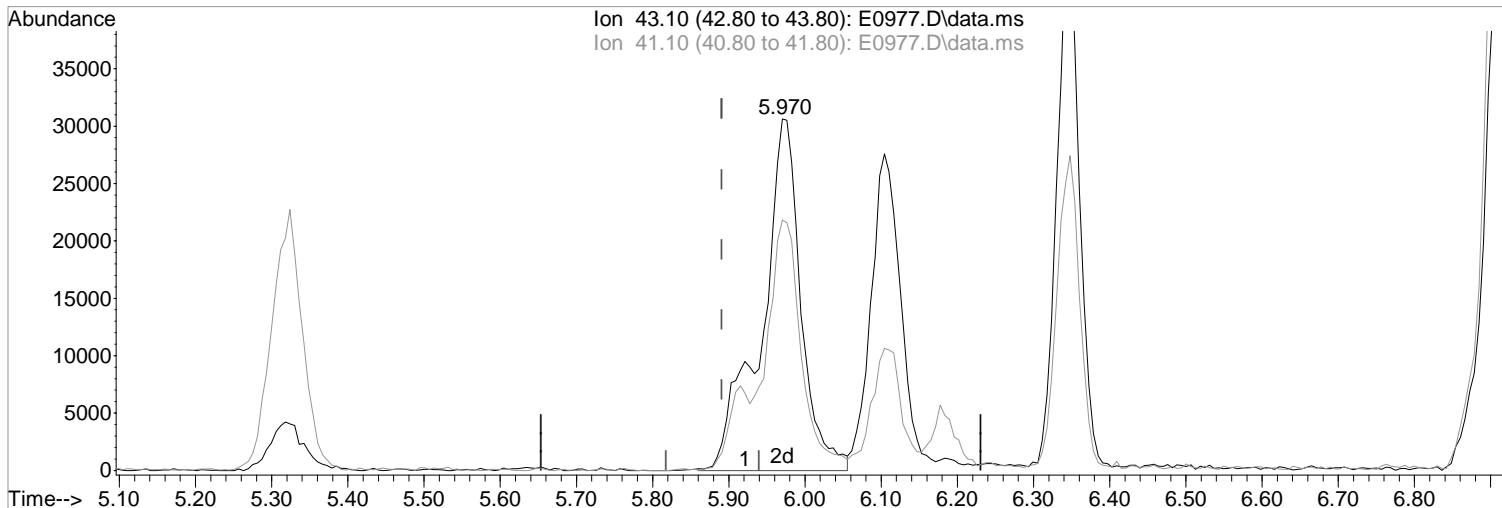
Ion	Exp%	Act%
59.10	100	100
41.10	23.10	24.15
0.00	0.00	0.00
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(49) Iso-Butyl Alcohol

5.970min (+0.079) 427.22 ug/L m

response 110329

Ion	Exp%	Act%
43.10	100	100
41.10	70.40	71.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

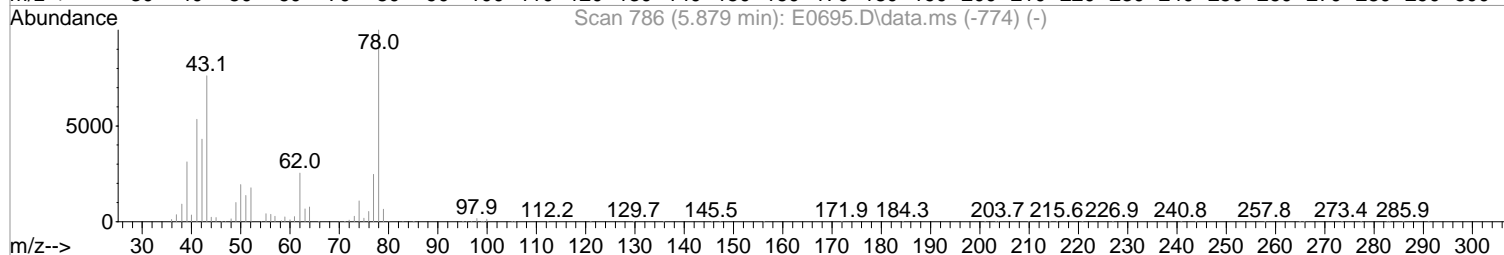
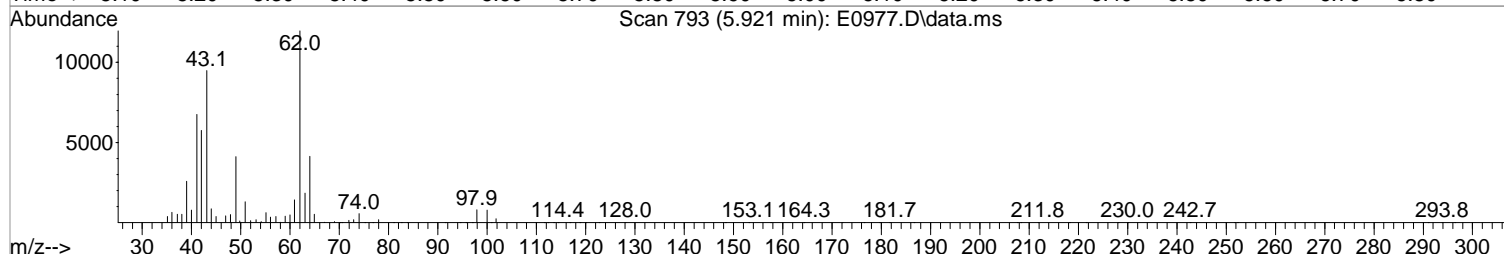
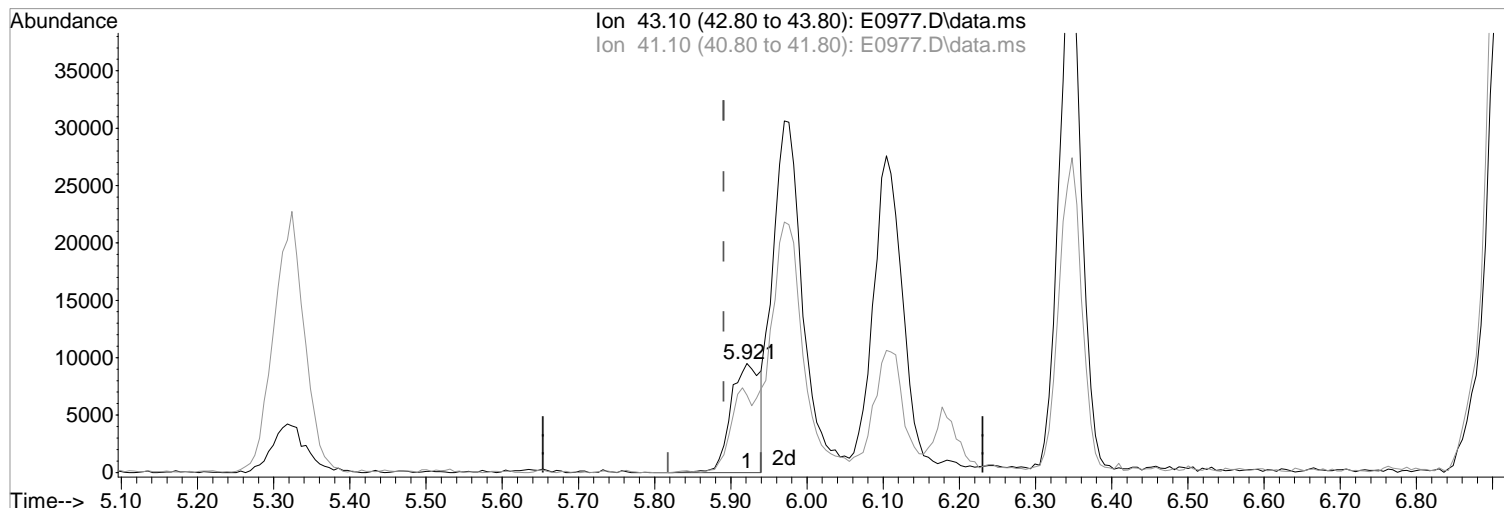
Poor integration.

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:03:32 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



TIC: E0977.D\data.ms

(49) Iso-Butyl Alcohol
5.921min (+0.030) 97.89 ug/L
response 25279

Manual Integration:

Before

Ion	Exp%	Act%
43.10	100	100
41.10	70.40	71.14
0.00	0.00	0.00
0.00	0.00	0.00

05/10/19

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0977.D
 Acq On : 10 May 2019 11:48 am
 Operator : D.LIPANI
 Sample : LCS-MED Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	242189	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	386060	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	342196	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	192049	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	122071	48.27	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	96.54%		
46) surr1,1,2-dichloroetha...	5.775	65	173038	48.52	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	97.04%		
64) SURR3,Toluene-d8	8.311	98	501058	47.87	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	95.74%		
69) SURR2,BFB	10.878	95	197651	48.80	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	97.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.148	85	66073	19.08	ug/L	96
3) Chloromethane	1.276	50	88333	18.65	ug/L	100
4) Vinyl Chloride	1.355	62	78517	17.95	ug/L	98
5) Bromomethane	1.575	94	46422	16.94	ug/L	93
6) Chloroethane	1.636	64	32093	12.12	ug/L	88
7) Freon 21	1.776	67	94760	15.22	ug/L	97
8) Trichlorofluoromethane	1.800	101	79202	18.80	ug/L	99
9) Diethyl Ether	2.099	59	57953	20.76	ug/L	96
10) Freon 123a	2.081	67	66885	18.59	ug/L	92
11) Freon 123	2.142	83	78301	20.58	ug/L	97
12) Acrolein	2.203	56	25843	36.61	ug/L	97
13) 1,1-Dicethene	2.251	96	49045	19.04	ug/L	100
14) Freon 113	2.257	101	47619	20.29	ug/L	98
15) Acetone	2.355	43	41109	23.86	ug/L	97
16) 2-Propanol	2.605	45	171059m	476.27	ug/L	
17) Iodomethane	2.392	142	23098	8.33	ug/L	93
18) Carbon Disulfide	2.446	76	147983	19.17	ug/L	99
19) Acetonitrile	2.599	41	173026	287.01	ug/L #	43
20) Allyl Chloride	2.599	76	28596	18.60	ug/L #	57
21) Methyl Acetate	2.648	43	80340	22.33	ug/L	98
22) Methylene Chloride	2.721	84	56782	18.67	ug/L	96
23) TBA	3.013	59	249282m	462.99	ug/L	
24) Acrylonitrile	3.001	53	188140	113.21	ug/L	93
25) Methyl-t-Butyl Ether	3.050	73	193385	19.73	ug/L	98
26) trans-1,2-Dichloroethene	3.013	96	52722	19.39	ug/L	99
27) 1,1-Dicethane	3.513	63	113890	19.78	ug/L	99
28) Vinyl Acetate	3.623	86	13798	21.97	ug/L #	67
29) DIPE	3.660	45	235122	21.90	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.635	53	94479	20.73	ug/L	97
31) ETBE	4.190	59	184986	19.48	ug/L	99
32) 2,2-Dichloropropane	4.355	77	85239	17.97	ug/L	96
33) cis-1,2-Dichloroethene	4.361	96	59623	19.87	ug/L	97
34) 2-Butanone	4.434	43	56583	25.70	ug/L	92
35) Propionitrile	4.525	54	79664	121.61	ug/L	98
36) Bromochloromethane	4.763	130	33706	19.09	ug/L	95
37) Methacrylonitrile	4.781	67	33220	19.38	ug/L #	84
38) Tetrahydrofuran	4.879	42	34136	22.20	ug/L	96
39) Chloroform	4.940	83	96190	18.92	ug/L	96
40) 1,1,1-Trichloroethane	5.239	97	77425	18.22	ug/L	97

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0977.D
 Acq On : 10 May 2019 11:48 am
 Operator : D.LIPANI
 Sample : LCS-MED Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.324	41	63166	18.28	ug/L	92
44) Carbontetrachloride	5.519	117	55453	16.28	ug/L	96
45) 1,1-Dichloropropene	5.531	75	75775	18.68	ug/L	96
47) Benzene	5.854	78	230768	19.45	ug/L	98
48) 1,2-Dichloroethane	5.897	62	87236	18.42	ug/L	94
49) Iso-Butyl Alcohol	5.970	43	110329m	427.22	ug/L	
50) TAME	6.110	73	173089	19.85	ug/L	98
51) n-Heptane	6.348	43	94867	21.51	ug/L	93
52) 1-Butanol	6.909	56	149336	1019.09	ug/L	93
53) Trichloroethene	6.811	130	52985	17.96	ug/L	96
54) Methylcyclohexane	7.049	55	81988	19.76	ug/L	92
55) 1,2-Diclpropane	7.098	63	64035	19.41	ug/L	98
56) Dibromomethane	7.238	93	33599	17.76	ug/L	88
57) 1,4-Dioxane	7.317	88	25419	468.14	ug/L	96
58) Methyl Methacrylate	7.330	69	54649	20.78	ug/L	97
59) Bromodichloromethane	7.470	83	65289	17.53	ug/L	97
60) 2-Nitropropane	7.756	41	29885	25.63	ug/L	89
61) 2-Chloroethylvinyl Ether	7.878	63	38795	22.47	ug/L	94
62) cis-1,3-Dichloropropene	8.012	75	93065	18.81	ug/L	98
63) 4-Methyl-2-pentanone	8.226	43	96413	22.77	ug/L	97
65) Toluene	8.384	91	234683	18.80	ug/L	98
66) trans-1,3-Dichloropropene	8.653	75	82636	18.08	ug/L	95
67) Ethyl Methacrylate	8.799	69	96222	20.31	ug/L	90
68) 1,1,2-Trichloroethane	8.841	97	51696	18.60	ug/L	98
71) Tetrachloroethene	8.976	164	39470	17.96	ug/L	93
72) 2-Hexanone	9.140	43	70971	21.46	ug/L	97
73) 1,3-Dichloropropane	9.012	76	98028	19.81	ug/L	98
74) Dibromochloromethane	9.238	129	42739	15.85	ug/L	96
75) N-Butyl Acetate	9.293	43	139745	21.54	ug/L	99
76) 1,2-Dibromoethane	9.335	107	50076	18.10	ug/L	94
77) 3-Chlorobenzotrifluoride	9.847	180	71011	18.07	ug/L	97
78) Chlorobenzene	9.829	112	140877	18.26	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	64712	18.48	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.914	131	47663	18.34	ug/L	95
81) Ethylbenzene	9.945	106	76454	18.92	ug/L	95
82) (m+p)Xylene	10.061	106	189282	36.43	ug/L	94
83) o-Xylene	10.420	106	93341	18.46	ug/L	100
84) Styrene	10.433	104	160937	19.06	ug/L	98
85) Bromoform	10.585	173	28110	16.45	ug/L	98
86) 2-Chlorobenzotrifluoride	10.664	180	68609	17.58	ug/L	97
87) Isopropylbenzene	10.756	105	242078	18.47	ug/L	99
88) Cyclohexanone	10.823	55	285295	392.75	ug/L	98
89) trans-1,4-Dichloro-2-B...	11.061	53	24088	22.05	ug/L	88
91) 1,1,2,2-Tetrachloroethane	11.018	83	80071	18.54	ug/L	96
92) Bromobenzene	11.000	156	61668	18.14	ug/L	99
93) 1,2,3-Trichloropropane	11.042	110	22550	17.53	ug/L	89
94) n-Propylbenzene	11.109	91	307107	18.03	ug/L	97
95) 2-Chlorotoluene	11.170	91	181037	18.02	ug/L	97
96) 3-Chlorotoluene	11.225	91	167996	16.85	ug/L	100
97) 4-Chlorotoluene	11.268	91	211389	18.01	ug/L	98
98) 1,3,5-Trimethylbenzene	11.262	105	207011	17.82	ug/L	99
99) tert-Butylbenzene	11.536	119	173804	17.71	ug/L	98
100) 1,2,4-Trimethylbenzene	11.573	105	213298	18.43	ug/L	96
101) 3,4-Dichlorobenzotrifl...	11.634	214	61799	17.57	ug/L	97
102) sec-Butylbenzene	11.719	105	269590	18.13	ug/L	97
103) p-Isopropyltoluene	11.841	119	221746	18.28	ug/L	99

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0977.D
 Acq On : 10 May 2019 11:48 am
 Operator : D.LIPANI
 Sample : LCS-MED Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 12:06:01 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

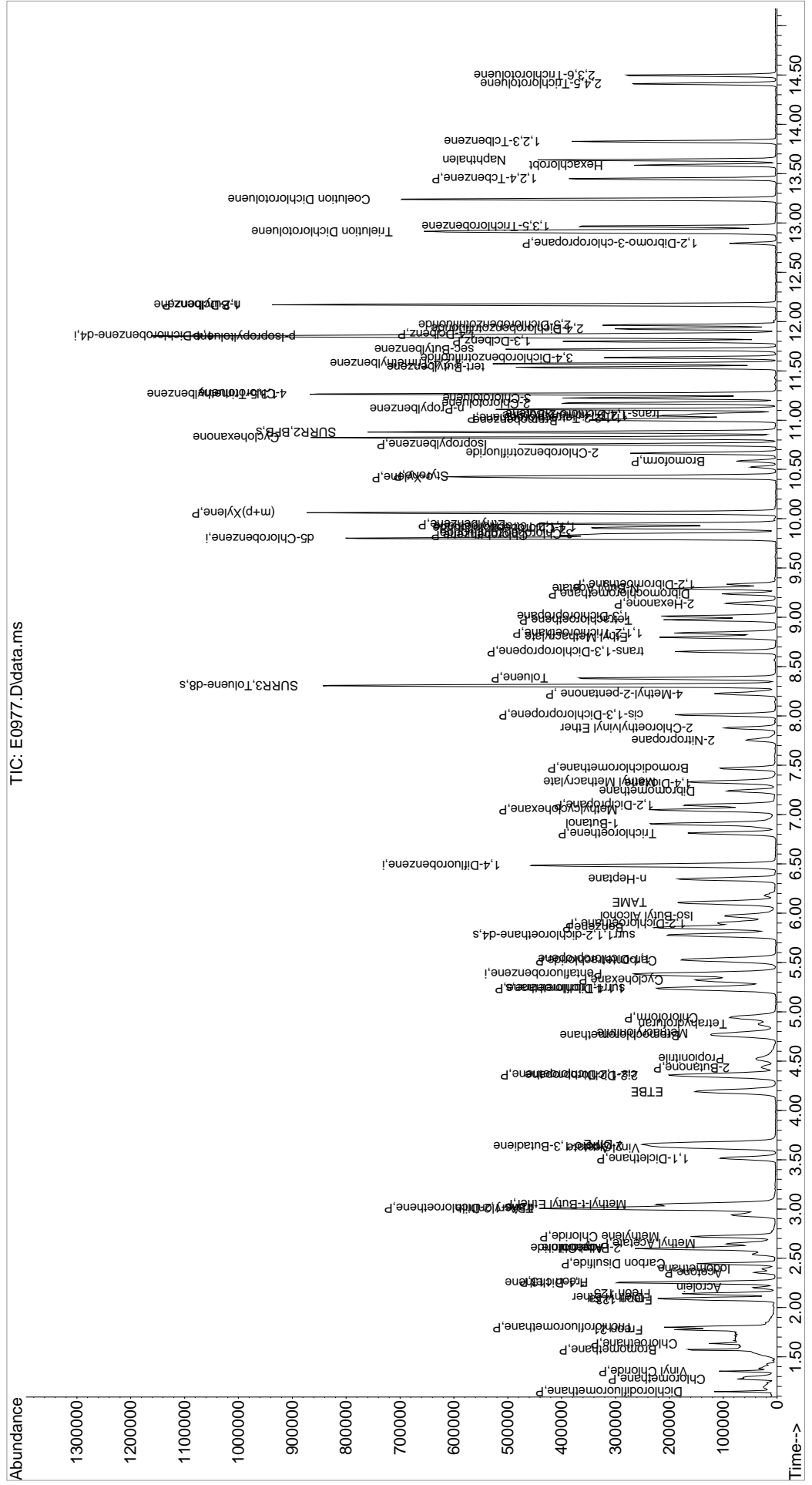
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	117473	17.86	ug/L	98
105) 1,4-Dclbenz	11.871	146	120049	17.75	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	58622	18.38	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	65494	19.59	ug/L	99
108) n-Butylbenzene	12.170	91	226101	18.72	ug/L	99
109) 1,2-Dclbenz	12.170	146	119696	18.39	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.792	157	14500	15.69	ug/L	95
111) Trielution Dichlorotol...	12.914	125	306073	54.14	ug/L	98
112) 1,3,5-Trichlorobenzene	12.969	180	85888	18.32	ug/L	96
113) Coelution Dichlorotoluene	13.243	125	222962	36.10	ug/L	96
114) 1,2,4-Tcbenzene	13.450	180	90806	18.79	ug/L	95
115) Hexachlorobt	13.584	225	37885	18.91	ug/L	96
116) Naphthalen	13.639	128	243591	19.04	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	88473	18.98	ug/L	97
118) 2,4,5-Trichlorotoluene	14.414	159	52723	19.25	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	51472	16.50	ug/L	99

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

Data Path : I:\ACQDATA\msvoa10\data\051019\
Data File : E0977.D
Acq On : 10 May 2019 11:48 am
Operator : D.LIPANI
Sample : LCS-MED
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 12:06:01 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

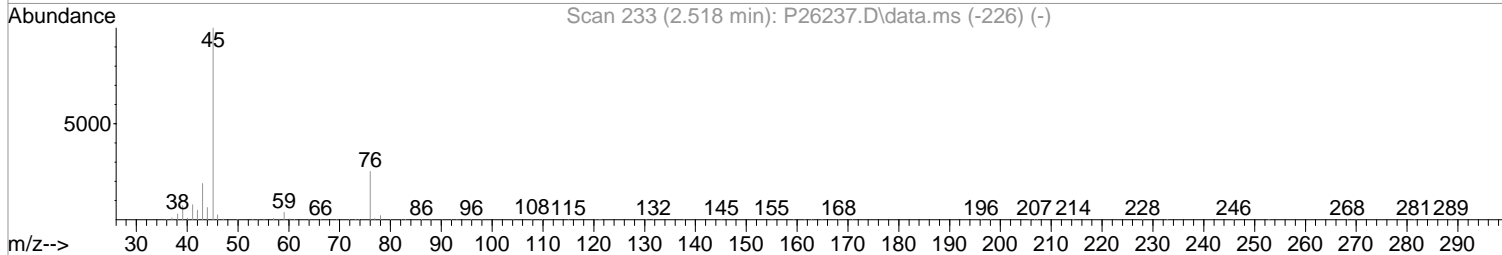
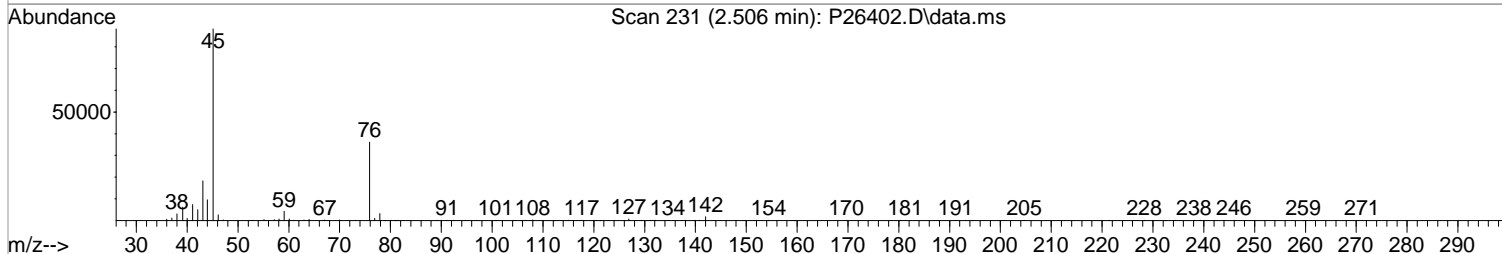
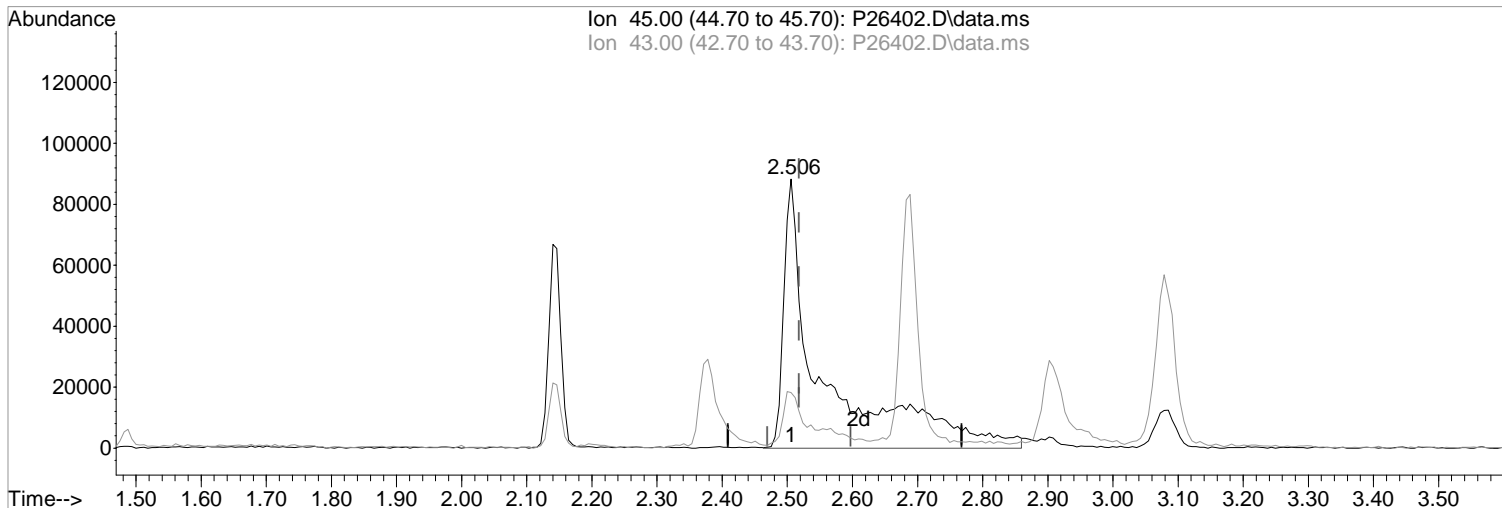


1st DL 05/13/19
2nd FU 05/13/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 854.71 ppb m
response 361587

Manual Integration:

After

Poor integration.

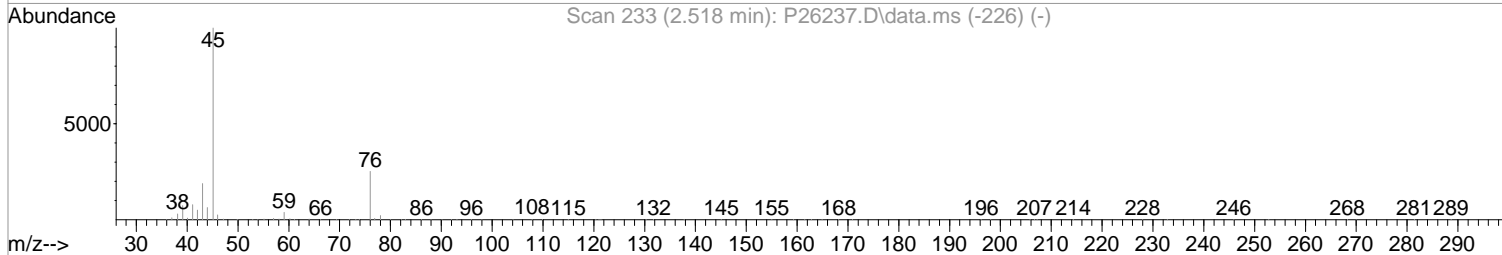
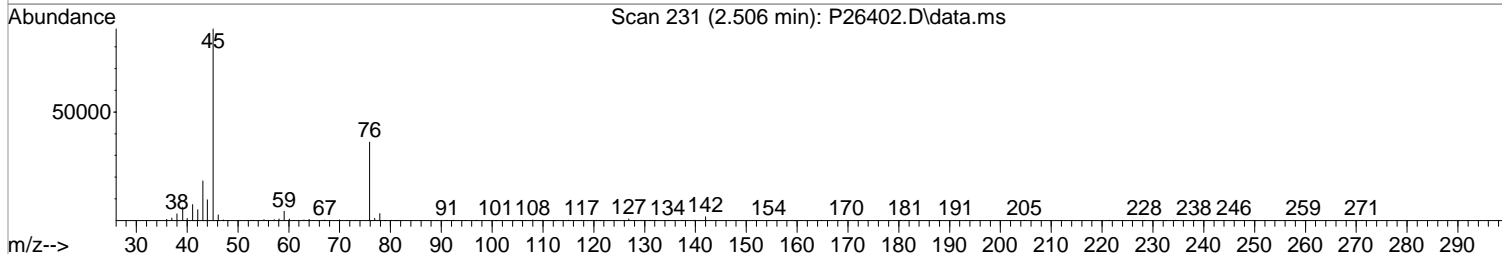
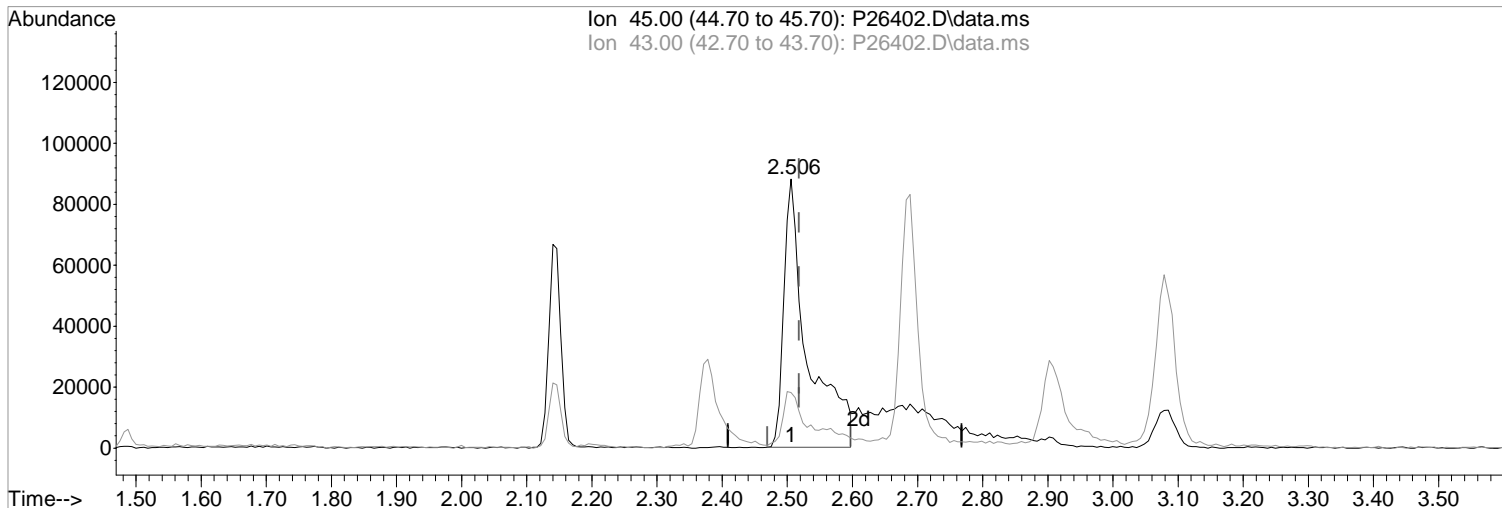
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.63
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 528.51 ppb
response 223585

Manual Integration:

Before

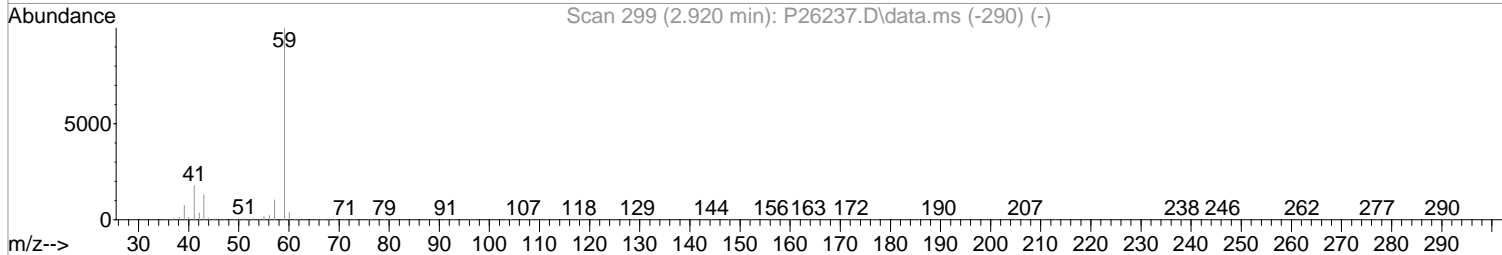
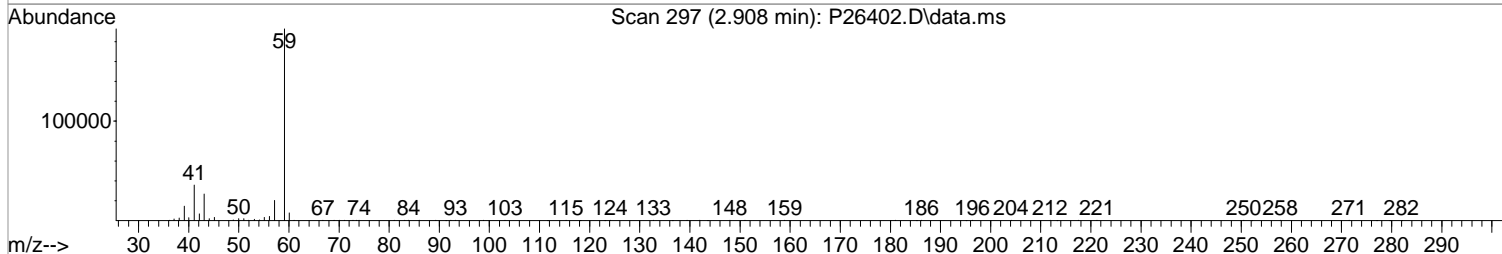
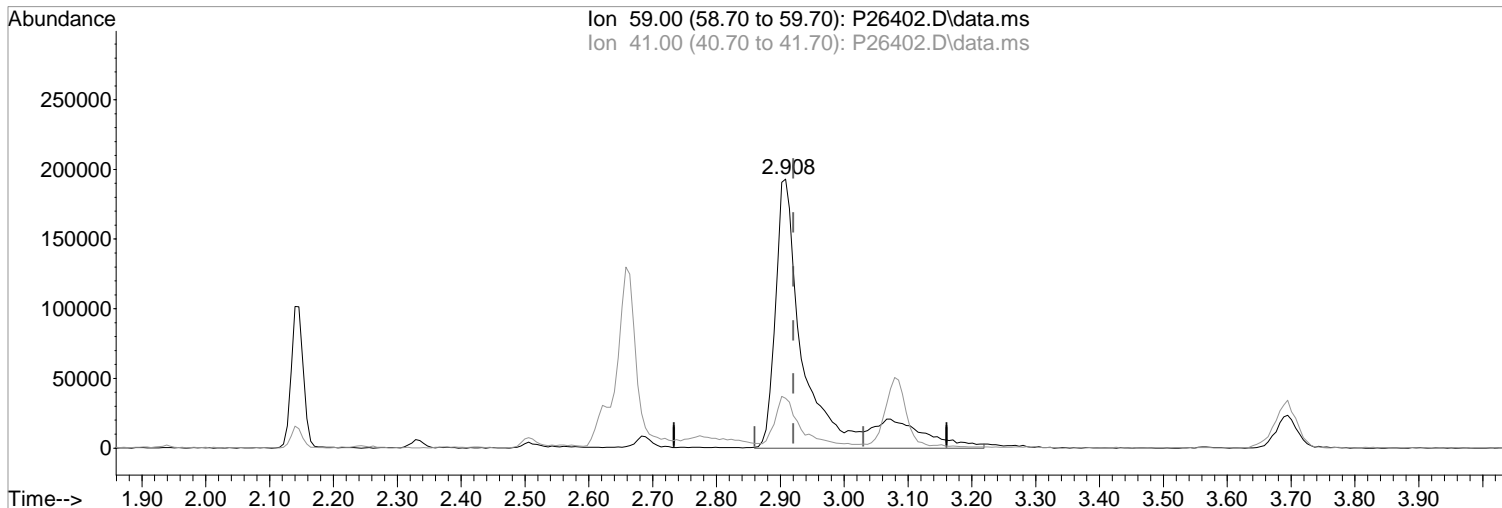
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.63
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(23) TBA
2.908min (-0.012) 872.49 ppb m
response 659874

Manual Integration:

After

Poor integration.

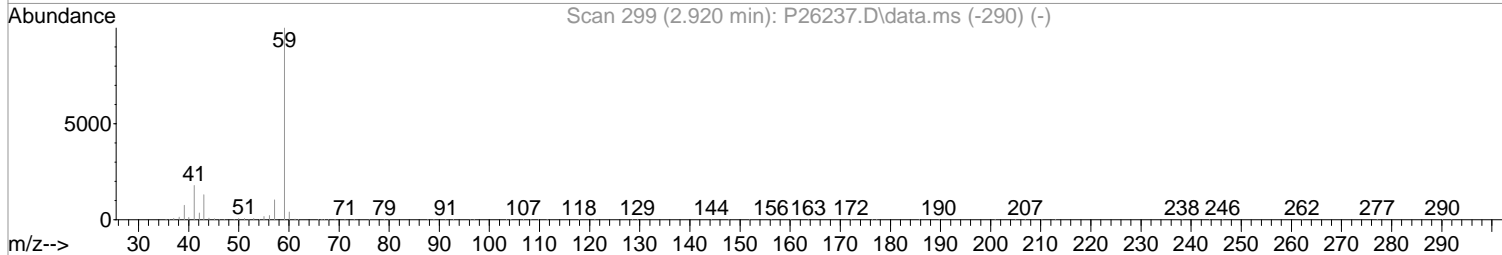
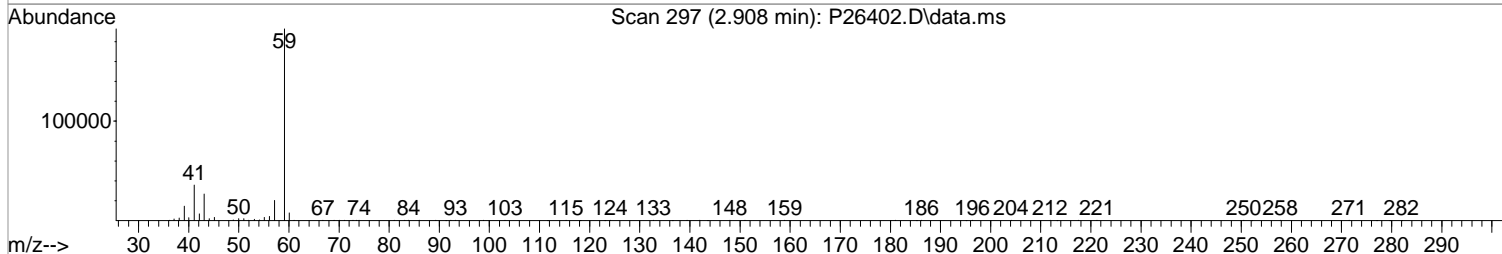
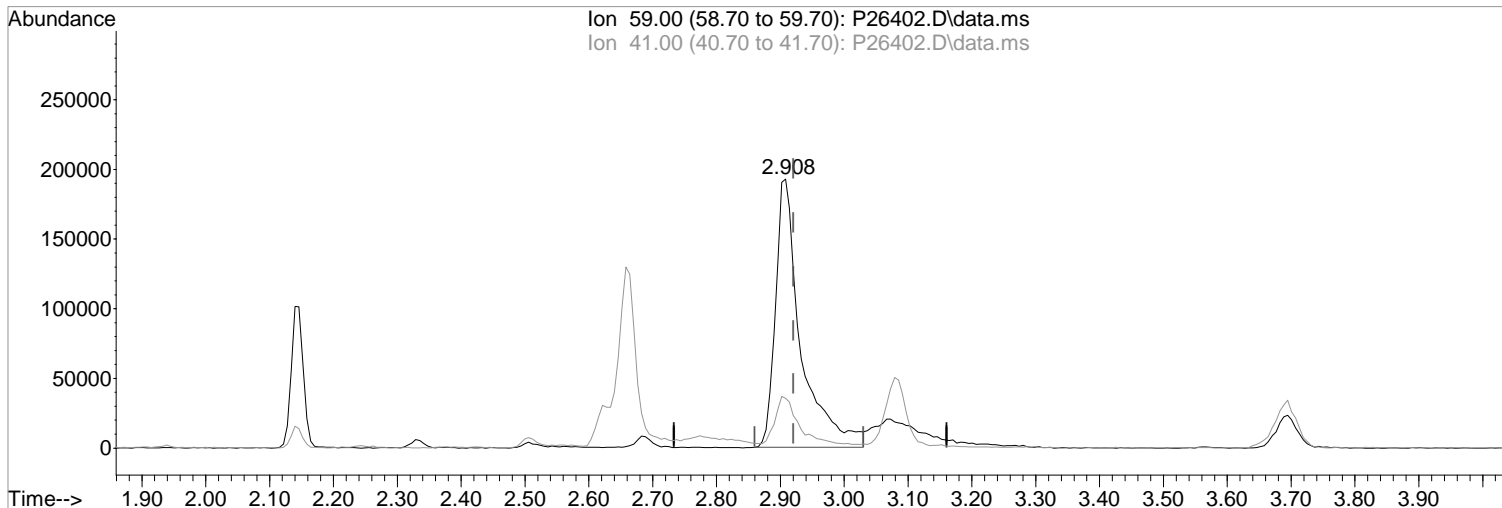
05/06/19

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.45
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(23) TBA
2.908min (-0.012) 706.76 ppb
response 534529

Manual Integration:
Before

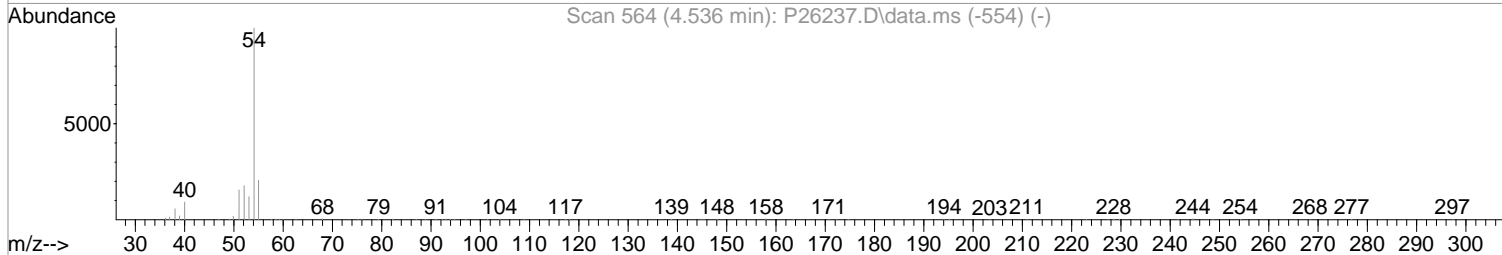
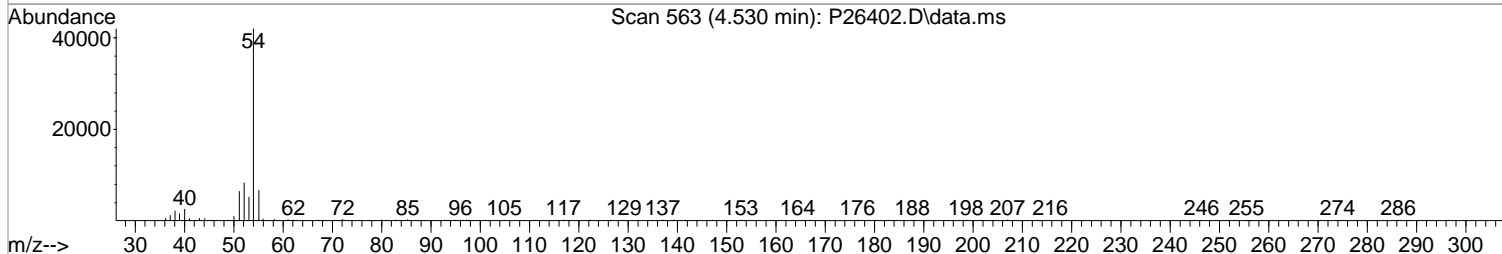
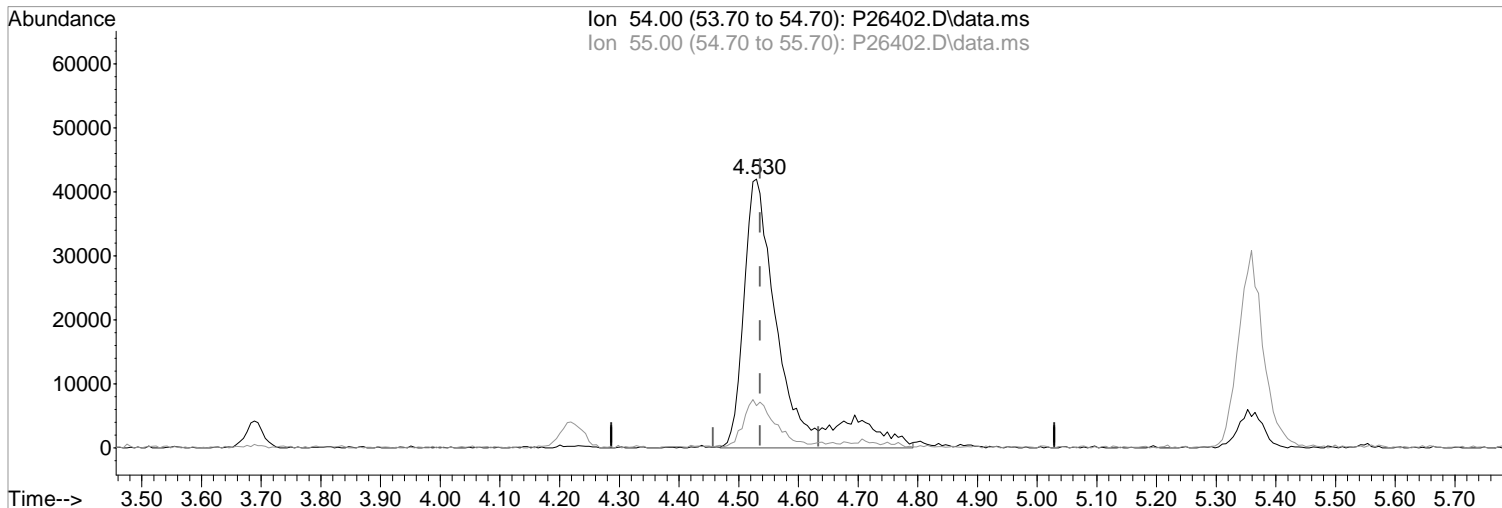
Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.45
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(36) Propionitrile
4.530min (-0.006) 229.38 ppb m
response 180083

Manual Integration:
After
Poor integration.

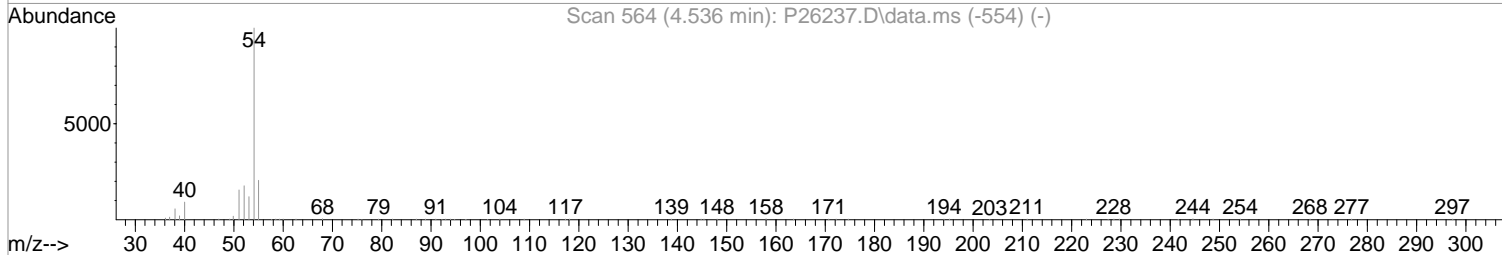
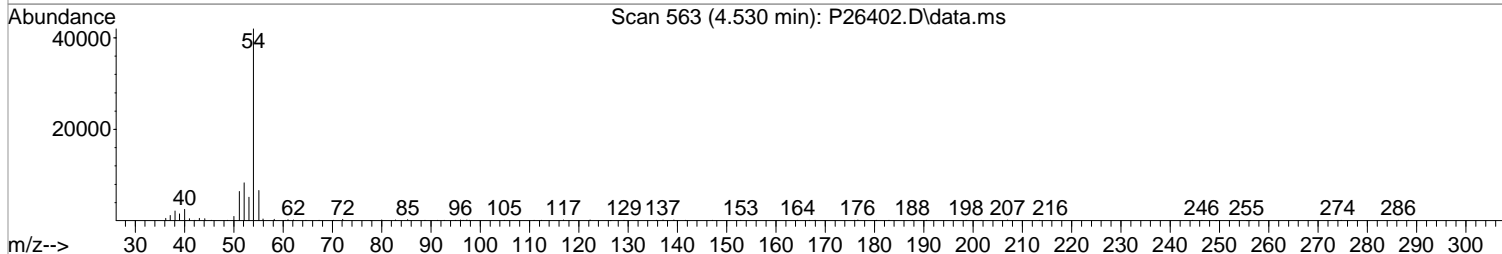
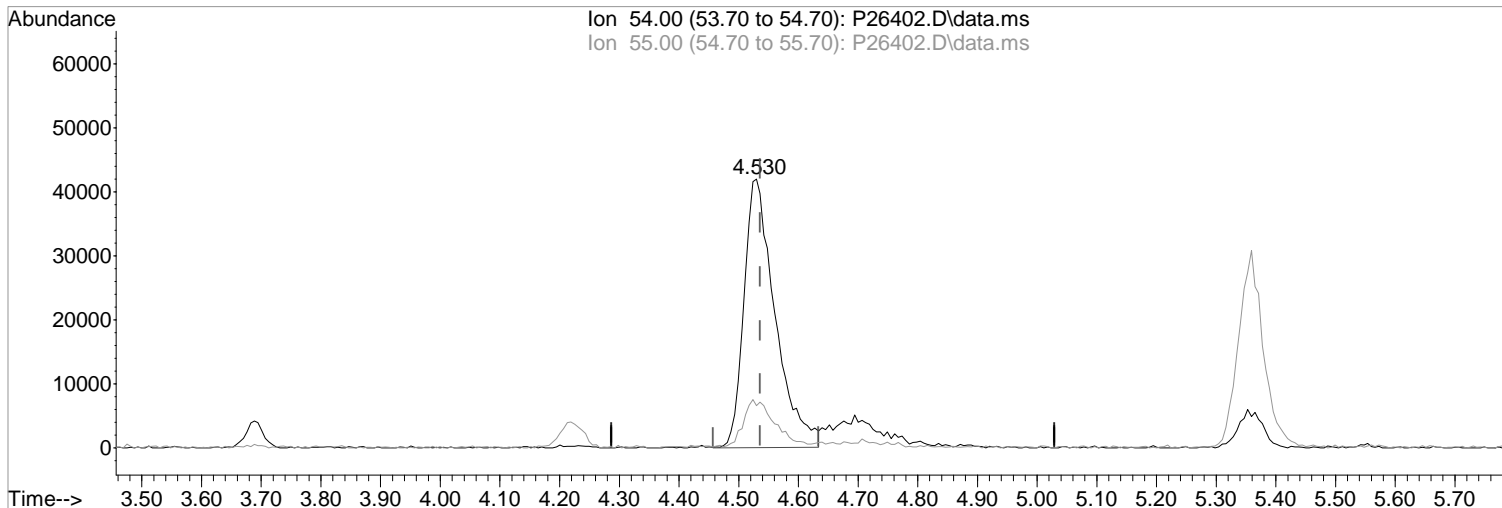
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	15.80
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:48:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26402.D\data.ms

(36) Propionitrile
4.530min (-0.006) 193.46 ppb
response 151887

Manual Integration:
Before

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	15.80
0.00	0.00	0.00
0.00	0.00	0.00

05/06/19

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.0000	50.0000	0.0	112	0.00
2 P	Dichlorodifluoromethane	50.0000	59.5838	-19.2	125	0.00
3 P	Chloromethane	50.0000	47.6211	4.8	108	0.00
4 P	Vinyl Chloride	50.0000	46.8874	6.2	103	0.00
5 P	Bromomethane	50.0000	41.3145	17.4	98	0.00
6 P	Chloroethane	50.0000	45.6974	8.6	106	0.00
7	Freon 21	50.0000	44.3323	11.3	100	0.00
8 P	Trichlorofluoromethane	50.0000	47.8509	4.3	106	0.00
9	Diethyl Ether	50.0000	44.2495	11.5	105	0.00
10	Freon 123a	50.0000	44.1274	11.7	98	0.00
11	Freon 123	50.0000	43.6513	12.7	97	0.00
12	Acrolein	250.0000	207.7023	16.9	91	0.00
13 P	1,1-Dicethene	50.0000	42.8039	14.4	101	0.00
14 P	Freon 113	50.0000	47.2897	5.4	106	0.00
15 P	Acetone	50.0000	35.1389	29.7#	78	0.00
16	2-Propanol	1000.0000	854.7120	14.5	98	-0.01
17	Iodomethane	50.0000	51.5726	-3.1	107	0.00
18 P	Carbon Disulfide	50.0000	45.8863	8.2	99	0.00
19	Acetonitrile	250.0000	101.3817	59.4#	49	0.00
20	Allyl Chloride	50.0000	52.8424	-5.7	120	0.00
21 P	Methyl Acetate	50.0000	43.8771	12.2	99	0.00
22 P	Methylene Chloride	50.0000	47.5075	5.0	107	0.00
23	TBA	1000.0000	706.7594	29.3#	80	-0.01
24	Acrylonitrile	250.0000	228.5467	8.6	97	0.00
25 P	Methyl-t-Butyl Ether	50.0000	46.7199	6.6	104	-0.01
26 P	trans-1,2-Dichloroethene	50.0000	45.1371	9.7	105	-0.01
27	Halothane	-1.0000	0.0000	0.0	97	-0.04
28 P	1,1-Dicethane	50.0000	45.7497	8.5	100	0.00
29	Vinyl Acetate	50.0000	51.7062	-3.4	124	0.00
30	DIPE	50.0000	46.1336	7.7	101	0.00
31	2-Chloro-1,3-Butadiene	50.0000	43.9137	12.2	97	0.00
32	ETBE	50.0000	47.9061	4.2	103	0.00
33	2,2-Dichloropropane	50.0000	44.4545	11.1	97	0.00
34 P	cis-1,2-Dichloroethene	50.0000	44.8091	10.4	105	0.00
35 P	2-Butanone	50.0000	41.3341	17.3	86	-0.01
36	Propionitrile	250.0000	229.3761	8.2	103	0.00
37	Bromochloromethane	50.0000	48.5105	3.0	110	0.00
38	Methacrylonitrile	50.0000	47.1025	5.8	100	-0.01
39	Tetrahydrofuran	50.0000	40.3533	19.3	87	0.00
40 P	Chloroform	50.0000	45.0089	10.0	102	0.00
41 P	1,1,1-Trichloroethane	50.0000	43.8951	12.2	98	0.00
42	TAME	50.0000	47.4680	5.1	104	0.00
43 I	1,4-Difluorobenzene	50.0000	50.0000	0.0	114	0.00
44 P	Cyclohexane	50.0000	44.7620	10.5	95	0.00
45 s	surr4,Dibrflmethane	50.0000	51.4257	-2.9	117	-0.01
46 P	Carbontetrachloride	50.0000	44.3327	11.3	97	-0.01
47	1,1-Dichloropropene	50.0000	44.0138	12.0	98	0.00
48 s	surr1,1,2-dichloroethane-d4	50.0000	51.5576	-3.1	112	0.00
49 P	Benzene	50.0000	44.1185	11.8	101	0.00
50 P	1,2-Dichloroethane	50.0000	45.9575	8.1	105	0.00
51	Iso-Butyl Alcohol	1000.0000	753.3967	24.7#	88	-0.01

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	n-Heptane	50.0000	41.4654	17.1	96	0.00
53	1-Butanol	2500.0000	2116.6730	15.3	96	-0.01
54 P	Trichloroethene	50.0000	43.6373	12.7	101	0.00
55 P	Methylcyclohexane	50.0000	43.3586	13.3	96	0.00
56 P	1,2-Diclp propane	50.0000	44.3931	11.2	100	0.00
57	Dibromomethane	50.0000	48.2637	3.5	109	0.00
58	1,4-Dioxane	1000.0000	823.5753	17.6	103	-0.02
59	Methyl Methacrylate	50.0000	44.1567	11.7	100	0.00
60 P	Bromodichloromethane	50.0000	45.0208	10.0	103	0.00
61	2-Nitropropane	100.0000	94.4327	5.6	97	0.00
62	2-Chloroethylvinyl Ether	50.0000	42.2552	15.5	91	0.00
63 P	cis-1,3-Dichloropropene	50.0000	43.9976	12.0	101	0.00
64 P	4-Methyl-2-pentanone	50.0000	42.0419	15.9	93	0.00
65 s	SURR3,Toluene-d8	50.0000	51.3293	-2.7	115	0.00
66 P	Toluene	50.0000	44.8602	10.3	100	0.00
67 P	trans-1,3-Dichloropropene	50.0000	47.5699	4.9	104	0.00
68	Ethyl Methacrylate	50.0000	44.6203	10.8	100	0.00
69 P	1,1,2-Trichloroethane	50.0000	45.1319	9.7	103	0.00
70 s	SURR2,BFB	50.0000	52.8413	-5.7	113	0.00
71 I	d5-Chlorobenzene	50.0000	50.0000	0.0	112	0.00
72 P	Tetrachloroethene	50.0000	43.1859	13.6	100	0.00
73 P	2-Hexanone	50.0000	39.8780	20.2#	88	0.00
74	1,3-Dichloropropene	50.0000	46.4603	7.1	104	0.00
75 P	Dibromochloromethane	50.0000	43.5502	12.9	101	0.00
76	N-Butyl Acetate	50.0000	40.2011	19.6	89	0.00
77 P	1,2-Dibromoethane	50.0000	46.6727	6.7	106	0.00
78 P	Chlorobenzene	50.0000	44.7581	10.5	101	0.00
79	3-CBTF	50.0000	46.8125	6.4	105	0.00
80	4-CBTF	50.0000	45.8806	8.2	106	0.00
81	1,1,1,2-Tetrachloroethane	50.0000	41.8709	16.3	99	0.00
82 P	Ethylbenzene	50.0000	44.0039	12.0	101	0.00
83 P	(m+p)Xylene	100.0000	90.9932	9.0	100	0.00
84 P	o-Xylene	50.0000	44.8561	10.3	98	0.00
85 P	Styrene	50.0000	48.2725	3.5	101	0.00
86 I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	115	0.00
87 P	Bromoform	50.0000	38.6195	22.8#	92	0.00
88	2-CBTF	50.0000	41.3637	17.3	102	0.00
89 P	Isopropylbenzene	50.0000	39.9029	20.2#	99	0.00
90	Cyclohexanone	1000.0000	524.6721	47.5#	67	0.00
91	trans-1,4-Dichloro-2-Butene	50.0000	35.4300	29.1#	88	0.00
92 P	1,1,2,2-Tetrachloroethane	50.0000	38.9419	22.1#	100	0.00
93	Bromobenzene	50.0000	40.5910	18.8	101	0.00
94	1,2,3-Trichloropropene	50.0000	39.6434	20.7#	101	0.00
95	n-Propylbenzene	50.0000	41.6394	16.7	102	0.00
96	2-Chlorotoluene	50.0000	41.4192	17.2	102	0.00
97	3-Chlorotoluene	50.0000	44.5366	10.9	107	0.00
98	4-Chlorotoluene	50.0000	42.8505	14.3	102	0.00
99	1,3,5-Trimethylbenzene	50.0000	43.7334	12.5	105	0.00
100	tert-Butylbenzene	50.0000	43.5894	12.8	102	0.00
101	1,2,4-Trimethylbenzene	50.0000	44.9013	10.2	107	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	3,4-DCBTF	50.0000	45.6131	8.8	105	0.00
103	sec-Butylbenzene	50.0000	41.8020	16.4	101	0.00
104	p-Isopropyltoluene	50.0000	44.1578	11.7	103	0.00
105 P	1,3-Dclbenz	50.0000	45.8492	8.3	109	0.00
106 P	1,4-Dclbenz	50.0000	45.8443	8.3	106	0.00
107	2,4-DCBTF	50.0000	48.1778	3.6	110	0.00
108	2,5-DCBTF	50.0000	44.0091	12.0	101	0.00
109	n-Butylbenzene	50.0000	41.9826	16.0	102	0.00
110 P	1,2-Dclbenz	50.0000	45.6252	8.7	107	0.00
111 P	1,2-Dibromo-3-chloropropane	50.0000	40.8479	18.3	98	0.00
112	Trielution Dichlorotoluene	150.0000	142.2039	5.2	110	0.00
113	1,3,5 Trichlorobenzene	50.0000	46.1301	7.7	107	0.00
114	Coelution Dichlorotoluene	100.0000	94.4788	5.5	110	0.00
115 P	1,2,4-Tcbenzene	50.0000	46.1969	7.6	106	0.00
116	Hexachlorobt	50.0000	36.1621	27.7#	86	0.00
117	Naphthalen	50.0000	45.8655	8.3	107	0.00
118	1,2,3-Tclbenzene	50.0000	45.4780	9.0	105	0.00
119	2,4,5-Trichlorotolene	50.0000	40.8740	18.3	91	0.00
120	2,3,6-Trichlorotoluene	50.0000	40.8203	18.4	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
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Inst : MSVOA-12

Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.402	168	397908	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.487	114	570206	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	524251	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	345414	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	168589	51.43	ppb	-0.01	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	102.86%		
48) surr1,1,2-dichloroetha...	5.792	65	184397	51.56	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	103.12%		
65) SURR3,Toluene-d8	8.297	98	698583	51.33	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	102.66%		
70) SURR2,BFB	10.864	95	281042	52.84	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	105.68%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	221233	59.58	ppb		98
3) Chloromethane	1.335	50	161271	47.62	ppb		96
4) Vinyl Chloride	1.408	62	193913	46.89	ppb		98
5) Bromomethane	1.646	94	161581	41.31	ppb		100
6) Chloroethane	1.713	64	150475	45.70	ppb		98
7) Freon 21	1.860	67	263477	44.33	ppb		99
8) Trichlorofluoromethane	1.908	101	248869	47.85	ppb		100
9) Diethyl Ether	2.140	59	133374	44.25	ppb		98
10) Freon 123a	2.146	67	159310	44.13	ppb		95
11) Freon 123	2.195	83	188447	43.65	ppb		98
12) Acrolein	2.244	56	148720	207.70	ppb		95
13) 1,1-Dicethene	2.329	96	140675	42.80	ppb		98
14) Freon 113	2.335	101	138528	47.29	ppb		90
15) Acetone	2.378	43	57887	35.14	ppb		97
16) 2-Propanol	2.506	45	361587m	854.71	ppb		
17) Iodomethane	2.463	142	198639	51.57	ppb		98
18) Carbon Disulfide	2.524	76	365719	45.89	ppb		100
19) Acetonitrile	2.622	40	28685	101.38	ppb		97
20) Allyl Chloride	2.658	76	79370	52.84	ppb		97
21) Methyl Acetate	2.689	43	145306	43.88	ppb		97
22) Methylene Chloride	2.780	84	162885	47.51	ppb		94
23) TBA	2.908	59	534529	706.76	ppb		99
24) Acrylonitrile	3.030	53	386366	228.55	ppb		99
25) Methyl-t-Butyl Ether	3.079	73	561442	46.72	ppb		98
26) trans-1,2-Dichloroethene	3.067	96	162552	45.14	ppb		95
28) 1,1-Dicethane	3.567	63	271346	45.75	ppb		99
29) Vinyl Acetate	3.658	86	45534	51.71	ppb	#	88
30) DIPE	3.695	45	428489	46.13	ppb		96
31) 2-Chloro-1,3-Butadiene	3.688	53	195182	43.91	ppb		98
32) ETBE	4.219	59	480968	47.91	ppb		99
33) 2,2-Dichloropropane	4.396	77	241790	44.45	ppb		95
34) cis-1,2-Dichloroethene	4.402	96	188682	44.81	ppb		97
35) 2-Butanone	4.444	43	90476	41.33	ppb		99
36) Propionitrile	4.530	54	180083m	229.38	ppb		
37) Bromochloromethane	4.798	130	139307	48.51	ppb		93
38) Methacrylonitrile	4.798	67	93494	47.10	ppb		92
39) Tetrahydrofuran	4.889	42	59882	40.35	ppb		97
40) Chloroform	4.975	83	283354	45.01	ppb		96
41) 1,1,1-Trichloroethane	5.274	97	257539	43.90	ppb		96

Data Path : I:\ACQUDATA\msvoal2\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	511947	47.47	ppb	98
44) Cyclohexane	5.359	41	128155	44.76	ppb	90
46) Carbontetrachloride	5.542	117	220268	44.33	ppb	96
47) 1,1-Dichloropropene	5.554	75	202026	44.01	ppb	96
49) Benzene	5.871	78	651921	44.12	ppb	99
50) 1,2-Dichloroethane	5.908	62	240704	45.96	ppb	97
51) Iso-Butyl Alcohol	5.883	43	242684	753.40	ppb	99
52) n-Heptane	6.359	43	162938	41.47	ppb	97
53) 1-Butanol	6.840	56	460805	2116.67	ppb	98
54) Trichloroethene	6.816	130	200376	43.64	ppb	95
55) Methylcyclohexane	7.054	55	185949	43.36	ppb	92
56) 1,2-Diclpropane	7.090	63	157573	44.39	ppb	94
57) Dibromomethane	7.230	93	119785	48.26	ppb	95
58) 1,4-Dioxane	7.298	88	79507	823.58	ppb	96
59) Methyl Methacrylate	7.322	69	155261	44.16	ppb	86
60) Bromodichloromethane	7.462	83	221379	45.02	ppb	98
61) 2-Nitropropane	7.743	41	120220	94.43	ppb	100
62) 2-Chloroethylvinyl Ether	7.864	63	106267	42.26	ppb	96
63) cis-1,3-Dichloropropene	8.005	75	279193	44.00	ppb	99
64) 4-Methyl-2-pentanone	8.206	43	185746	42.04	ppb	99
66) Toluene	8.370	91	749674	44.86	ppb	98
67) trans-1,3-Dichloropropene	8.639	75	267458	47.57	ppb	99
68) Ethyl Methacrylate	8.785	69	271489	44.62	ppb	94
69) 1,1,2-Trichloroethane	8.828	97	180784	45.13	ppb	98
72) Tetrachloroethene	8.968	164	162779	43.19	ppb	92
73) 2-Hexanone	9.120	43	140515	39.88	ppb	92
74) 1,3-Dichloropropane	8.998	76	294433	46.46	ppb	97
75) Dibromochloromethane	9.224	129	200075	43.55	ppb	96
76) N-Butyl Acetate	9.273	43	269938	40.20	ppb	98
77) 1,2-Dibromoethane	9.322	107	197516	46.67	ppb	99
78) Chlorobenzene	9.815	112	515857	44.76	ppb	98
79) 3-CBTF	9.834	180	309818	46.81	ppb	98
80) 4-CBTF	9.888	180	274765	45.88	ppb	93
81) 1,1,1,2-Tetrachloroethane	9.901	131	187227	41.87	ppb	99
82) Ethylbenzene	9.937	106	274180	44.00	ppb	99
83) (m+p)Xylene	10.047	106	701987	90.99	ppb	96
84) o-Xylene	10.407	106	350373	44.86	ppb	97
85) Styrene	10.419	104	589307	48.27	ppb	97
87) Bromoform	10.571	173	154704	38.62	ppb	97
88) 2-CBTF	10.651	180	314360	41.36	ppb	97
89) Isopropylbenzene	10.742	105	866881	39.90	ppb	99
90) Cyclohexanone	10.809	55	568720	524.67	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	58586	35.43	ppb	96
92) 1,1,2,2-Tetrachloroethane	10.998	83	255646	38.94	ppb	99
93) Bromobenzene	10.986	156	265886	40.59	ppb	99
94) 1,2,3-Trichloropropane	11.028	110	97689	39.64	ppb	99
95) n-Propylbenzene	11.096	91	980882	41.64	ppb	99
96) 2-Chlorotoluene	11.163	91	606884	41.42	ppb	99
97) 3-Chlorotoluene	11.211	91	616646	44.54	ppb	100
98) 4-Chlorotoluene	11.254	91	717785	42.85	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	798103	43.73	ppb	99
100) tert-Butylbenzene	11.522	119	726742	43.59	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	814917	44.90	ppb	99
102) 3,4-DCBTF	11.626	214	295645	45.61	ppb	96
103) sec-Butylbenzene	11.705	105	975379	41.80	ppb	98
104) p-Isopropyltoluene	11.827	119	896196	44.16	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
 Data File : P26402.D
 Acq On : 6 May 2019 11:32 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

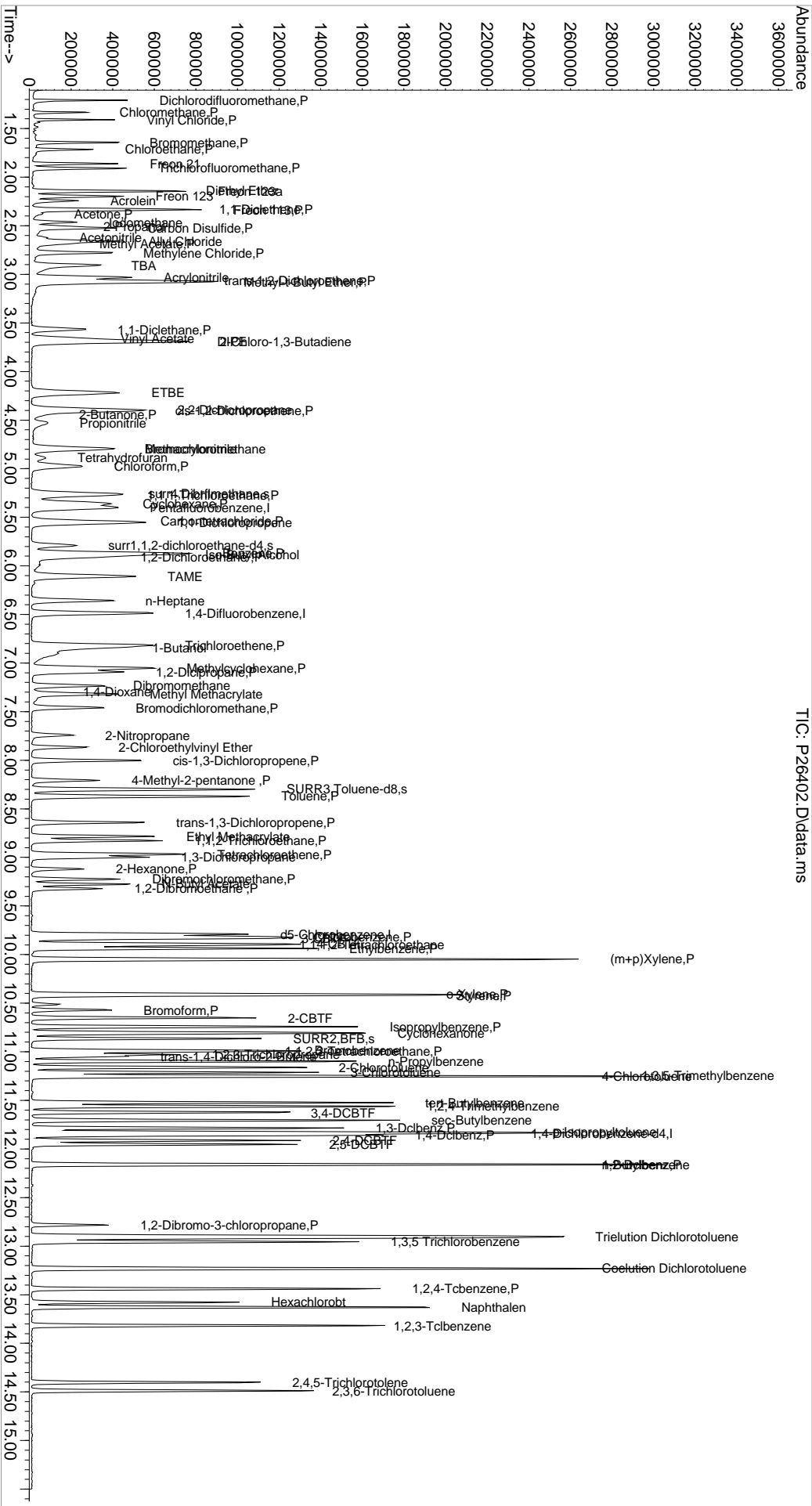
Quant Time: May 06 11:50:40 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	536356	45.85	ppb	98
106) 1,4-Dclbenz	11.858	146	548604	45.84	ppb	97
107) 2,4-DCBTF	11.912	214	281248	48.18	ppb	99
108) 2,5-DCBTF	11.955	214	285148	44.01	ppb	98
109) n-Butylbenzene	12.162	91	708880	41.98	ppb	97
110) 1,2-Dclbenz	12.162	146	531672	45.63	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	95095	40.85	ppb	98
112) Trielution Dichlorotol...	12.900	125	1391561	142.20	ppb	97
113) 1,3,5 Trichlorobenzene	12.955	180	426992	46.13	ppb	99
114) Coelution Dichlorotoluene	13.229	125	1031508	94.48	ppb	100
115) 1,2,4-Tcbenzene	13.437	180	448725	46.20	ppb	99
116) Hexachlorobt	13.577	225	151746	36.16	ppb	97
117) Naphthalen	13.632	128	1290333	45.87	ppb	99
118) 1,2,3-Tclbenzene	13.821	180	468192	45.48	ppb	97
119) 2,4,5-Trichlorotolene	14.400	159	253784	40.87	ppb	97
120) 2,3,6-Trichlorotoluene	14.491	159	298561	40.82	ppb	96

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

05/06/19
Data Path : I:\ACQDATA\msvoa12\Data\050619\
Data File : P26402.D
Acq On : 6 May 2019 11:32 am
Operator : K.Ruest
Sample : CCV
Inst : MSVOA-12
PALS Vial : 1 Sample Multiplier: 1

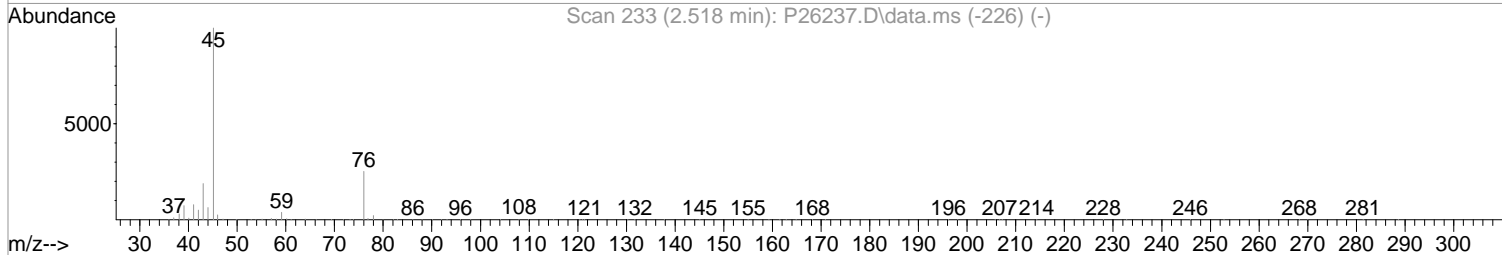
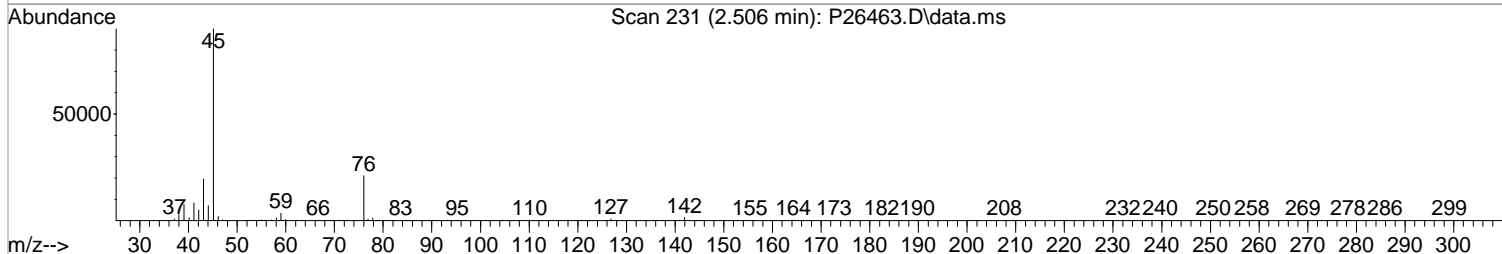
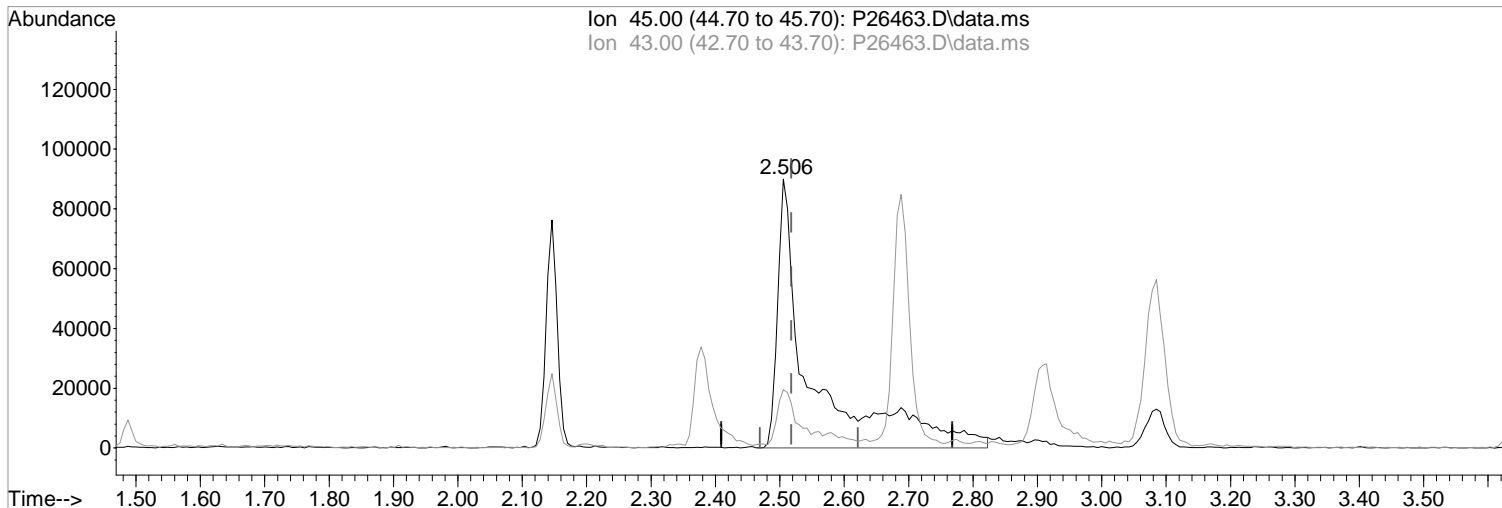
Quant Time: May 06 11:50:40 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QIast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26463.D
Acq On : 7 May 2019 11:12 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:35:29 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26463.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 757.00 ppb m
response 330445

Manual Integration:

After

Poor integration.

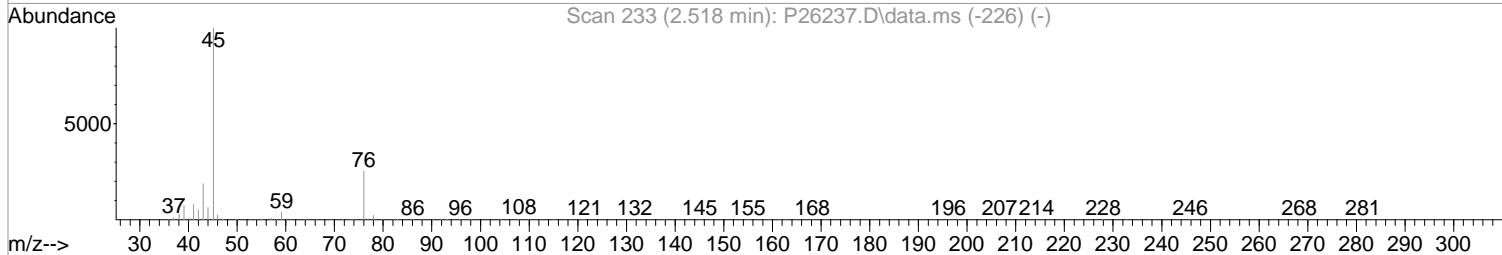
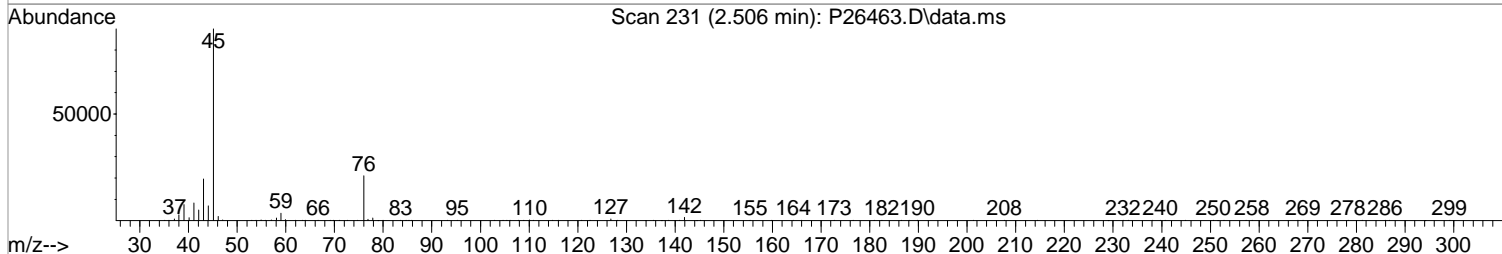
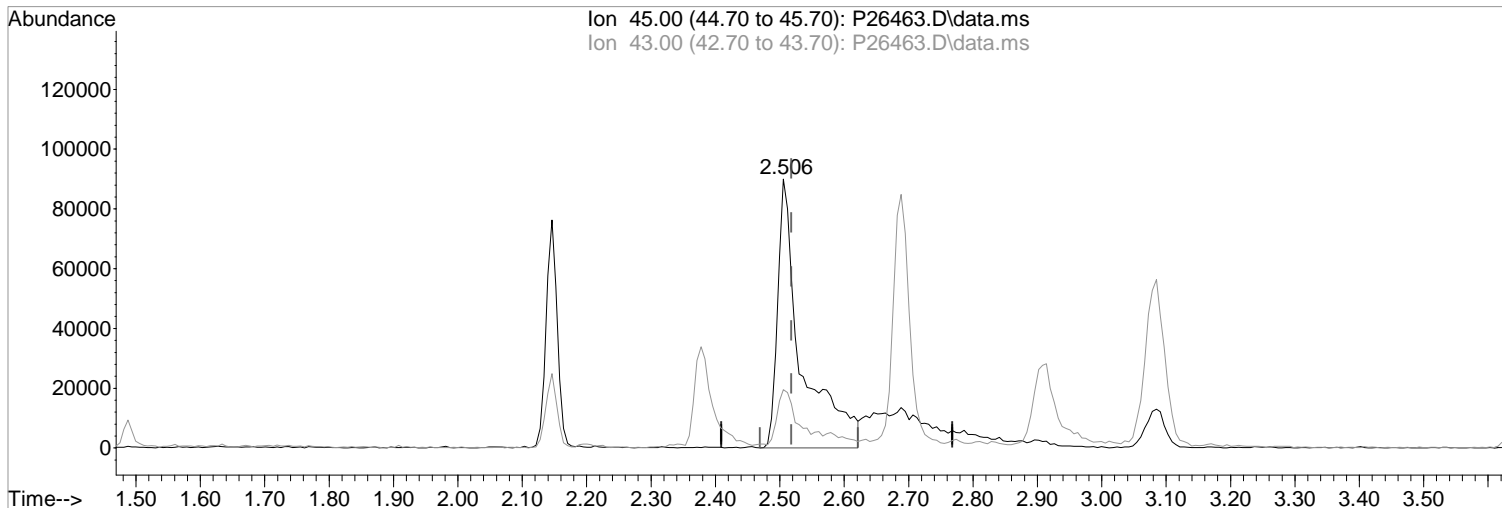
05/07/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.72
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26463.D
Acq On : 7 May 2019 11:12 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:35:29 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26463.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 531.86 ppb
response 232166

Manual Integration:
Before

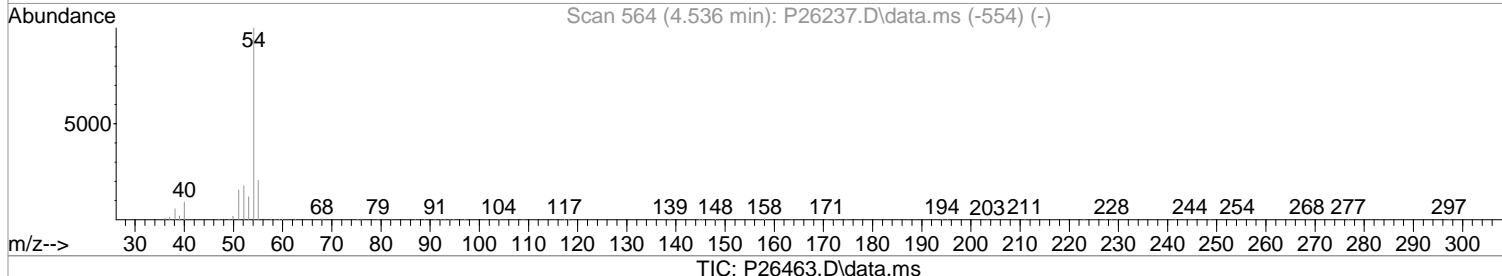
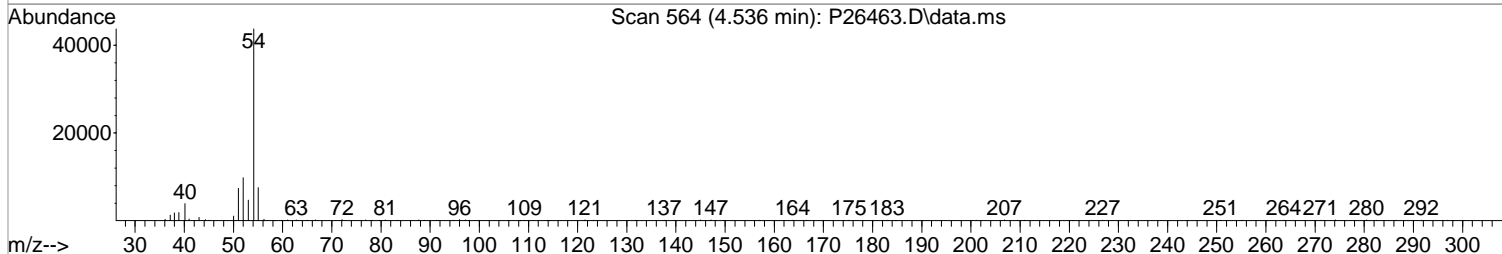
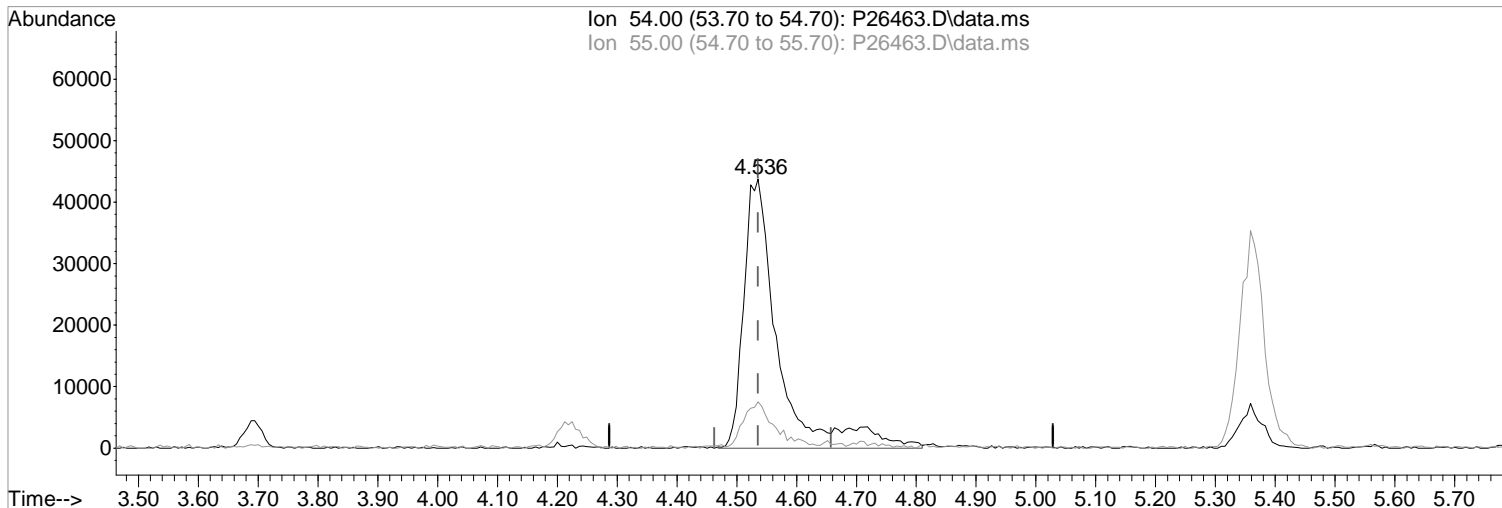
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.72
0.00	0.00	0.00
0.00	0.00	0.00

05/07/19

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26463.D
Acq On : 7 May 2019 11:12 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:35:29 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(36) Propionitrile
4.536min (-0.000) 216.55 ppb m
response 175421

Manual Integration:

After

Poor integration.

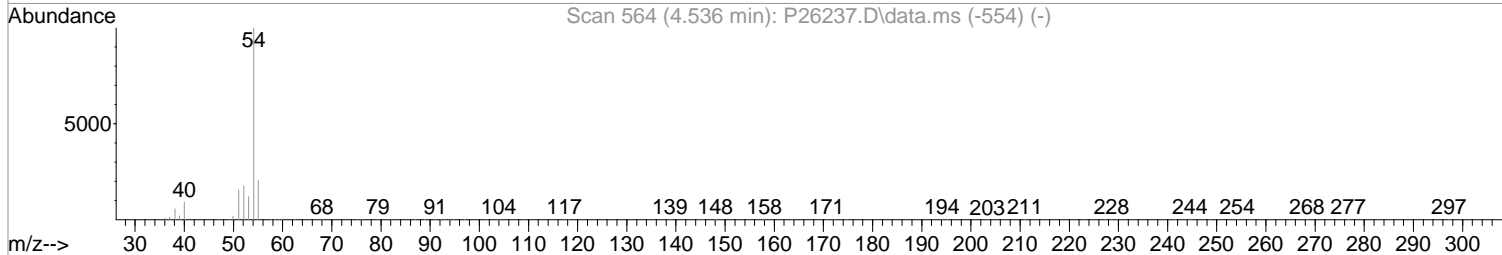
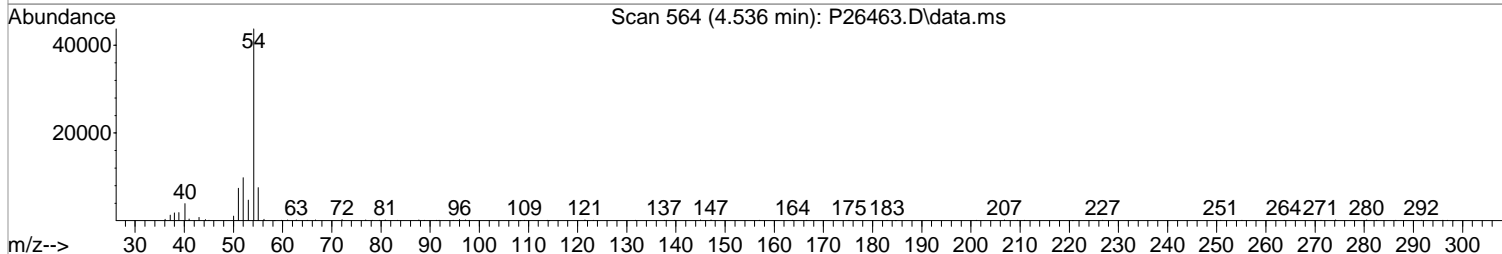
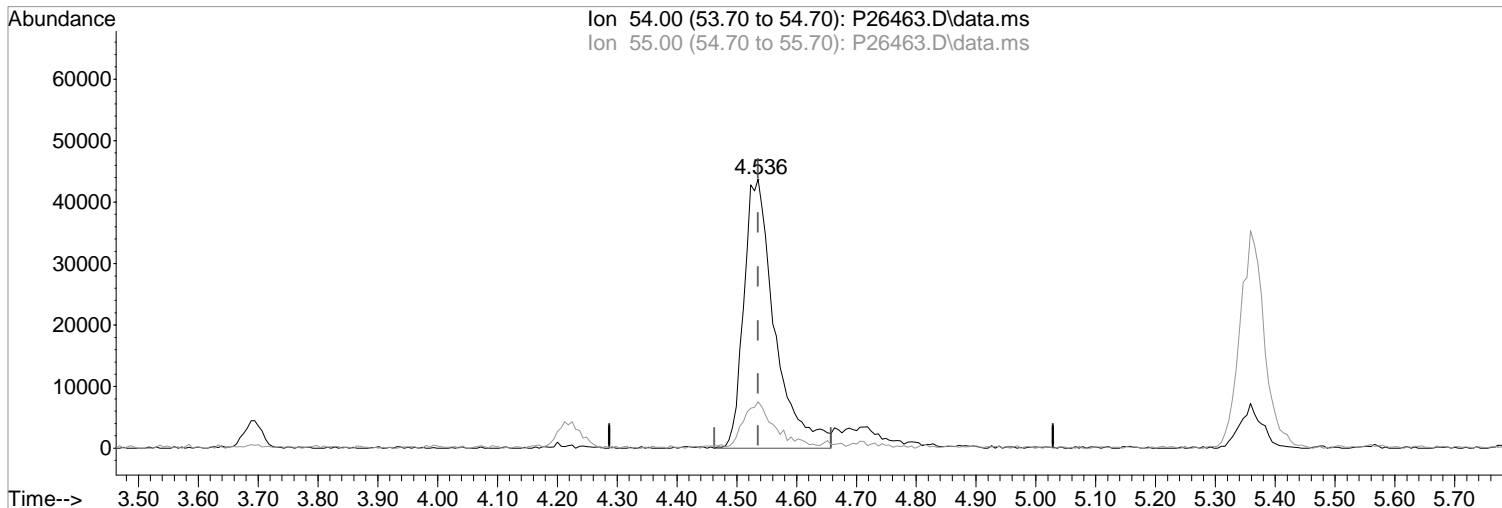
05/07/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.23
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26463.D
Acq On : 7 May 2019 11:12 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:35:29 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(36) Propionitrile
4.536min (-0.000) 193.55 ppb
response 156792

Manual Integration:
Before

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.23
0.00	0.00	0.00
0.00	0.00	0.00

05/07/19

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:36:21 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.0000	50.0000	0.0	116	0.00
2 P	Dichlorodifluoromethane	50.0000	60.6106	-21.2#	131	0.00
3 P	Chloromethane	50.0000	48.6214	2.8	113	0.00
4 P	Vinyl Chloride	50.0000	50.9566	-1.9	116	0.00
5 P	Bromomethane	50.0000	46.5282	6.9	113	0.00
6 P	Chloroethane	50.0000	51.4582	-2.9	123	0.00
7	Freon 21	50.0000	47.6416	4.7	111	0.00
8 P	Trichlorofluoromethane	50.0000	55.9235	-11.8	128	0.00
9	Diethyl Ether	50.0000	43.5410	12.9	107	0.00
10	Freon 123a	50.0000	45.7257	8.5	105	0.00
11	Freon 123	50.0000	46.2276	7.5	106	0.00
12	Acrolein	250.0000	193.9926	22.4#	88	0.00
13 P	1,1-Dicethene	50.0000	45.6555	8.7	111	0.00
14 P	Freon 113	50.0000	50.9896	-2.0	118	0.00
15 P	Acetone	50.0000	37.7706	24.5#	86	0.00
16	2-Propanol	1000.0000	757.0027	24.3#	90	-0.01
17	Iodomethane	50.0000	54.6073	-9.2	117	0.00
18 P	Carbon Disulfide	50.0000	45.8230	8.4	102	0.00
19	Acetonitrile	250.0000	114.7541	54.1#	56	0.00
20	Allyl Chloride	50.0000	52.7609	-5.5	124	0.00
21 P	Methyl Acetate	50.0000	42.7254	14.5	99	0.00
22 P	Methylene Chloride	50.0000	49.6000	0.8	115	0.00
23	TBA	1000.0000	683.4928	31.7#	79	-0.01
24	Acrylonitrile	250.0000	222.6003	11.0	98	0.00
25 P	Methyl-t-Butyl Ether	50.0000	46.6356	6.7	108	0.00
26 P	trans-1,2-Dichloroethene	50.0000	48.2194	3.6	116	0.00
27	Halothane	-1.0000	0.0000	0.0	0	-4.17#
28 P	1,1-Dicethane	50.0000	48.5809	2.8	109	0.00
29	Vinyl Acetate	50.0000	46.5394	6.9	116	0.00
30	DIPE	50.0000	45.8435	8.3	104	0.00
31	2-Chloro-1,3-Butadiene	50.0000	45.2087	9.6	103	0.00
32	ETBE	50.0000	48.1096	3.8	106	0.00
33	2,2-Dichloropropane	50.0000	48.8536	2.3	110	0.00
34 P	cis-1,2-Dichloroethene	50.0000	46.9659	6.1	113	0.00
35 P	2-Butanone	50.0000	40.4818	19.0	87	0.00
36	Propionitrile	250.0000	216.5450	13.4	100	0.00
37	Bromochloromethane	50.0000	48.3467	3.3	113	0.00
38	Methacrylonitrile	50.0000	46.5078	7.0	102	0.00
39	Tetrahydrofuran	50.0000	38.7734	22.5#	86	0.00
40 P	Chloroform	50.0000	47.8298	4.3	112	0.00
41 P	1,1,1-Trichloroethane	50.0000	47.2090	5.6	109	0.00
42	TAME	50.0000	46.6146	6.8	105	0.00
43 I	1,4-Difluorobenzene	50.0000	50.0000	0.0	119	0.00
44 P	Cyclohexane	50.0000	47.4247	5.2	105	0.00
45 s	surr4,Dibrflmethane	50.0000	49.6171	0.8	117	-0.01
46 P	Carbontetrachloride	50.0000	47.1686	5.7	108	0.00
47	1,1-Dichloropropene	50.0000	48.7956	2.4	114	0.00
48 s	surr1,1,2-dichloroethane-d4	50.0000	51.4749	-2.9	116	0.00
49 P	Benzene	50.0000	46.7101	6.6	111	0.00
50 P	1,2-Dichloroethane	50.0000	46.7971	6.4	111	0.00
51	Iso-Butyl Alcohol	1000.0000	725.8059	27.4#	88	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:36:21 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	n-Heptane	50.0000	46.6207	6.8	113	0.00
53	1-Butanol	2500.0000	1933.4984	22.7#	91	-0.01
54 P	Trichloroethene	50.0000	48.8479	2.3	118	0.00
55 P	Methylcyclohexane	50.0000	46.0998	7.8	106	0.00
56 P	1,2-Diclp propane	50.0000	47.1470	5.7	110	0.00
57	Dibromomethane	50.0000	48.3690	3.3	114	0.00
58	1,4-Dioxane	1000.0000	763.3969	23.7#	99	-0.02
59	Methyl Methacrylate	50.0000	43.9686	12.1	104	0.00
60 P	Bromodichloromethane	50.0000	44.8974	10.2	107	0.00
61	2-Nitropropane	100.0000	80.2235	19.8	86	0.00
62	2-Chloroethylvinyl Ether	50.0000	40.6791	18.6	91	0.00
63 P	cis-1,3-Dichloropropene	50.0000	44.8788	10.2	107	0.00
64 P	4-Methyl-2-pentanone	50.0000	41.4254	17.1	96	0.00
65 s	SURR3,Toluene-d8	50.0000	49.7382	0.5	116	0.00
66 P	Toluene	50.0000	48.6073	2.8	113	0.00
67 P	trans-1,3-Dichloropropene	50.0000	47.7600	4.5	109	0.00
68	Ethyl Methacrylate	50.0000	45.1683	9.7	105	0.00
69 P	1,1,2-Trichloroethane	50.0000	47.0386	5.9	111	0.00
70 s	SURR2,BFB	50.0000	52.0185	-4.0	116	0.00
71 I	d5-Chlorobenzene	50.0000	50.0000	0.0	116	0.00
72 P	Tetrachloroethene	50.0000	50.7503	-1.5	122	0.00
73 P	2-Hexanone	50.0000	40.0465	19.9	92	0.00
74	1,3-Dichloropropene	50.0000	47.4276	5.1	111	0.00
75 P	Dibromochloromethane	50.0000	42.4650	15.1	103	0.00
76	N-Butyl Acetate	50.0000	39.4671	21.1#	91	0.00
77 P	1,2-Dibromoethane	50.0000	46.9825	6.0	112	0.00
78 P	Chlorobenzene	50.0000	49.1978	1.6	116	0.00
79	3-CBTF	50.0000	50.5753	-1.2	119	0.00
80	4-CBTF	50.0000	48.8430	2.3	118	0.00
81	1,1,1,2-Tetrachloroethane	50.0000	44.7608	10.5	110	0.00
82 P	Ethylbenzene	50.0000	48.7426	2.5	116	0.00
83 P	(m+p)Xylene	100.0000	100.4697	-0.5	115	0.00
84 P	o-Xylene	50.0000	49.6491	0.7	114	0.00
85 P	Styrene	50.0000	52.3281	-4.7	114	0.00
86 I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	130	0.00
87 P	Bromoform	50.0000	33.9957	32.0#	92	0.00
88	2-CBTF	50.0000	41.1535	17.7	115	0.00
89 P	Isopropylbenzene	50.0000	41.2546	17.5	116	0.00
90	Cyclohexanone	1000.0000	725.7056	27.4#	105	0.00
91	trans-1,4-Dichloro-2-Butene	50.0000	31.9826	36.0#	90	0.00
92 P	1,1,2,2-Tetrachloroethane	50.0000	36.5212	27.0#	106	0.00
93	Bromobenzene	50.0000	40.9046	18.2	115	0.00
94	1,2,3-Trichloropropene	50.0000	36.8812	26.2#	106	0.00
95	n-Propylbenzene	50.0000	42.9833	14.0	119	0.00
96	2-Chlorotoluene	50.0000	42.4746	15.1	119	0.00
97	3-Chlorotoluene	50.0000	45.3984	9.2	123	0.00
98	4-Chlorotoluene	50.0000	42.8512	14.3	115	0.00
99	1,3,5-Trimethylbenzene	50.0000	45.1072	9.8	122	0.00
100	tert-Butylbenzene	50.0000	45.4787	9.0	120	0.00
101	1,2,4-Trimethylbenzene	50.0000	46.2560	7.5	125	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:36:21 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	3,4-DCBTF	50.0000	45.9214	8.2	120	0.00
103	sec-Butylbenzene	50.0000	43.9587	12.1	120	0.00
104	p-Isopropyltoluene	50.0000	45.7531	8.5	121	0.00
105 P	1,3-Dclbenz	50.0000	46.6778	6.6	126	0.00
106 P	1,4-Dclbenz	50.0000	47.3709	5.3	124	0.00
107	2,4-DCBTF	50.0000	48.1620	3.7	124	0.00
108	2,5-DCBTF	50.0000	44.7082	10.6	116	0.00
109	n-Butylbenzene	50.0000	43.5556	12.9	120	0.00
110 P	1,2-Dclbenz	50.0000	46.3654	7.3	123	0.00
111 P	1,2-Dibromo-3-chloropropane	50.0000	35.7190	28.6#	97	0.00
112	Trielution Dichlorotoluene	150.0000	139.1558	7.2	122	0.00
113	1,3,5 Trichlorobenzene	50.0000	46.0102	8.0	121	0.00
114	Coelution Dichlorotoluene	100.0000	92.8862	7.1	123	0.00
115 P	1,2,4-Tcbenzene	50.0000	46.9101	6.2	122	0.00
116	Hexachlorobt	50.0000	37.8694	24.3#	101	0.00
117	Naphthalen	50.0000	43.0065	14.0	113	0.00
118	1,2,3-Tclbenzene	50.0000	44.7743	10.5	117	0.00
119	2,4,5-Trichlorotolene	50.0000	38.5161	23.0#	97	0.00
120	2,3,6-Trichlorotoluene	50.0000	38.8533	22.3#	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
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 Misc :
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 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	410574	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	594528	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	546454	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	390360	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	169598	49.62	ppb	-0.01
Spiked Amount	50.000	Range 89 - 119	Recovery =	99.24%		
48) surr1,1,2-dichloroetha...	5.791	65	191954	51.47	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	102.94%		
65) SURR3,Toluene-d8	8.297	98	705802	49.74	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	99.48%		
70) SURR2,BFB	10.864	95	288467	52.02	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	104.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.213	85	232209	60.61	ppb	99
3) Chloromethane	1.335	50	169900	48.62	ppb	96
4) Vinyl Chloride	1.408	62	217450	50.96	ppb	98
5) Bromomethane	1.646	94	186069	46.53	ppb	99
6) Chloroethane	1.719	64	174838	51.46	ppb	100
7) Freon 21	1.865	67	292158	47.64	ppb	99
8) Trichlorofluoromethane	1.914	101	300112	55.92	ppb	98
9) Diethyl Ether	2.146	59	135416	43.54	ppb	96
10) Freon 123a	2.146	67	170335	45.73	ppb	90
11) Freon 123	2.201	83	205922	46.23	ppb	98
12) Acrolein	2.243	56	143325	193.99	ppb	97
13) 1,1-Diclcethene	2.335	96	154823	45.66	ppb	96
14) Freon 113	2.341	101	154121	50.99	ppb	98
15) Acetone	2.378	43	63810	37.77	ppb	94
16) 2-Propanol	2.506	45	330445m	757.00	ppb	
17) Iodomethane	2.463	142	218932	54.61	ppb	94
18) Carbon Disulfide	2.524	76	376840	45.82	ppb	99
19) Acetonitrile	2.621	40	33213	114.75	ppb	# 83
20) Allyl Chloride	2.664	76	81771	52.76	ppb	94
21) Methyl Acetate	2.688	43	145996	42.73	ppb	99
22) Methylene Chloride	2.780	84	175138	49.60	ppb	96
23) TBA	2.908	59	533387	683.49	ppb	98
24) Acrylonitrile	3.030	53	388292	222.60	ppb	100
25) Methyl-t-Butyl Ether	3.085	73	578268	46.64	ppb	99
26) trans-1,2-Dichloroethene	3.072	96	179180	48.22	ppb	98
28) 1,1-Diclcethane	3.566	63	297310	48.58	ppb	98
29) Vinyl Acetate	3.658	86	42492	46.54	ppb	# 94
30) DIPE	3.694	45	439348	45.84	ppb	94
31) 2-Chloro-1,3-Butadiene	3.688	53	207334	45.21	ppb	96
32) ETBE	4.219	59	498387	48.11	ppb	99
33) 2,2-Dichloropropane	4.395	77	274175	48.85	ppb	97
34) cis-1,2-Dichloroethene	4.402	96	204059	46.97	ppb	96
35) 2-Butanone	4.450	43	91431	40.48	ppb	94
36) Propionitrile	4.536	54	175421m	216.55	ppb	
37) Bromochloromethane	4.798	130	143256	48.35	ppb	94
38) Methacrylonitrile	4.804	67	95252	46.51	ppb	99
39) Tetrahydrofuran	4.889	42	59369	38.77	ppb	87
40) Chloroform	4.975	83	310698	47.83	ppb	99
41) 1,1,1-Trichloroethane	5.267	97	285799	47.21	ppb	96

Data Path : I:\ACQUDATA\msvoal2\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 07 11:36:21 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	518746	46.61	ppb	98
44) Cyclohexane	5.365	41	141570	47.42	ppb	99
46) Carbontetrachloride	5.548	117	244355	47.17	ppb	98
47) 1,1-Dichloropropene	5.560	75	233528	48.80	ppb	95
49) Benzene	5.871	78	719658	46.71	ppb	99
50) 1,2-Dichloroethane	5.907	62	255556	46.80	ppb	98
51) Iso-Butyl Alcohol	5.889	43	243769	725.81	ppb	93
52) n-Heptane	6.358	43	191010	46.62	ppb	93
53) 1-Butanol	6.840	56	438882	1933.50	ppb	98
54) Trichloroethene	6.816	130	233870	48.85	ppb	97
55) Methylcyclohexane	7.053	55	206138	46.10	ppb	94
56) 1,2-Diclpropane	7.090	63	174486	47.15	ppb	97
57) Dibromomethane	7.236	93	125167	48.37	ppb	97
58) 1,4-Dioxane	7.303	88	76841	763.40	ppb	86
59) Methyl Methacrylate	7.322	69	161194	43.97	ppb	92
60) Bromodichloromethane	7.462	83	230189	44.90	ppb	95
61) 2-Nitropropane	7.742	41	106487	80.22	ppb	95
62) 2-Chloroethylvinyl Ether	7.864	63	106667	40.68	ppb	95
63) cis-1,3-Dichloropropene	8.004	75	296932	44.88	ppb	96
64) 4-Methyl-2-pentanone	8.206	43	190829	41.43	ppb	98
66) Toluene	8.376	91	846942	48.61	ppb	99
67) trans-1,3-Dichloropropene	8.638	75	279981	47.76	ppb	98
68) Ethyl Methacrylate	8.785	69	286546	45.17	ppb	98
69) 1,1,2-Trichloroethane	8.827	97	196459	47.04	ppb	96
72) Tetrachloroethene	8.968	164	199393	50.75	ppb	98
73) 2-Hexanone	9.120	43	147085	40.05	ppb	98
74) 1,3-Dichloropropane	8.998	76	313292	47.43	ppb	95
75) Dibromochloromethane	9.224	129	203352	42.46	ppb	94
76) N-Butyl Acetate	9.273	43	276233	39.47	ppb	98
77) 1,2-Dibromoethane	9.321	107	207248	46.98	ppb	96
78) Chlorobenzene	9.815	112	591041	49.20	ppb	98
79) 3-CBTF	9.833	180	348897	50.58	ppb	98
80) 4-CBTF	9.888	180	304894	48.84	ppb	98
81) 1,1,1,2-Tetrachloroethane	9.900	131	208626	44.76	ppb	96
82) Ethylbenzene	9.937	106	316569	48.74	ppb	97
83) (m+p)Xylene	10.047	106	807922	100.47	ppb	97
84) o-Xylene	10.406	106	404236	49.65	ppb	100
85) Styrene	10.419	104	665872	52.33	ppb	99
87) Bromoform	10.571	173	153902	34.00	ppb	99
88) 2-CBTF	10.650	180	353459	41.15	ppb	96
89) Isopropylbenzene	10.742	105	1012868	41.25	ppb	100
90) Cyclohexanone	10.803	55	888989	725.71	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	59806	31.98	ppb	95
92) 1,1,2,2-Tetrachloroethane	10.998	83	270952	36.52	ppb	98
93) Bromobenzene	10.986	156	302805	40.90	ppb	99
94) 1,2,3-Trichloropropane	11.028	110	102708	36.88	ppb	94
95) n-Propylbenzene	11.095	91	1144293	42.98	ppb	99
96) 2-Chlorotoluene	11.162	91	703328	42.47	ppb	99
97) 3-Chlorotoluene	11.211	91	710371	45.40	ppb	99
98) 4-Chlorotoluene	11.254	91	811198	42.85	ppb	100
99) 1,3,5-Trimethylbenzene	11.254	105	930286	45.11	ppb	97
100) tert-Butylbenzene	11.522	119	856904	45.48	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	948741	46.26	ppb	99
102) 3,4-DCBTF	11.626	214	336373	45.92	ppb	97
103) sec-Butylbenzene	11.705	105	1159169	43.96	ppb	98
104) p-Isopropyltoluene	11.827	119	1049400	45.75	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
 Data File : P26463.D
 Acq On : 7 May 2019 11:12 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

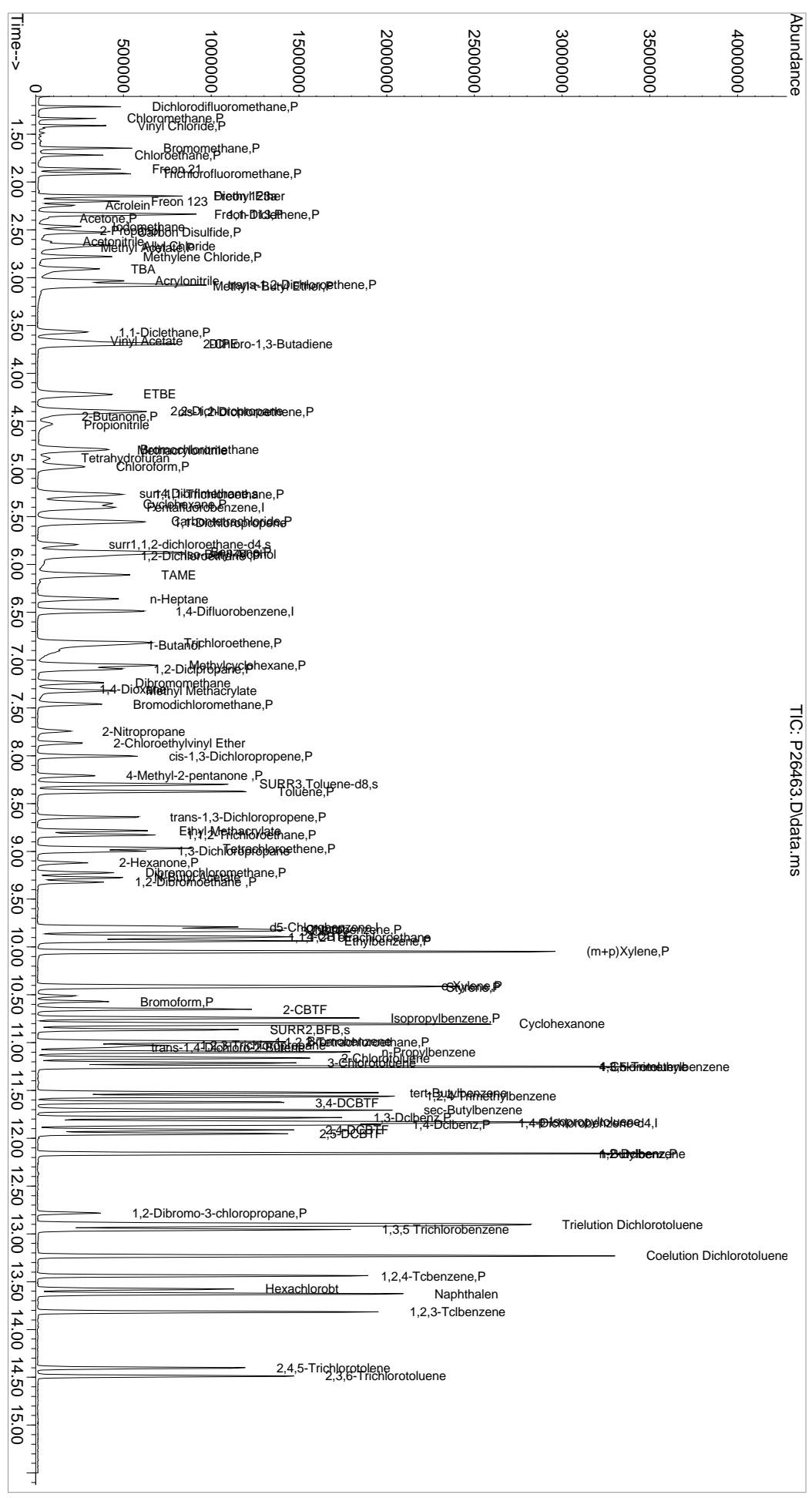
Quant Time: May 07 11:36:21 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	617102	46.68	ppb	98
106) 1,4-Dclbenz	11.857	146	640635	47.37	ppb	97
107) 2,4-DCBTF	11.912	214	317740	48.16	ppb	99
108) 2,5-DCBTF	11.955	214	327371	44.71	ppb	98
109) n-Butylbenzene	12.162	91	831137	43.56	ppb	97
110) 1,2-Dclbenz	12.162	146	610603	46.37	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	93975	35.72	ppb	88
112) Trielution Dichlorotol...	12.900	125	1538925	139.16	ppb	96
113) 1,3,5 Trichlorobenzene	12.955	180	481298	46.01	ppb	98
114) Coelution Dichlorotoluene	13.229	125	1146080	92.89	ppb	99
115) 1,2,4-Tcbenzene	13.442	180	514943	46.91	ppb	99
116) Hexachlorobt	13.577	225	179588	37.87	ppb	95
117) Naphthalen	13.625	128	1367336	43.01	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	520927	44.77	ppb	96
119) 2,4,5-Trichlorotolene	14.400	159	270262	38.52	ppb	99
120) 2,3,6-Trichlorotoluene	14.485	159	321152	38.85	ppb	99

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

05/07/19
Data Path : I:\ACQDATA\msvoa12\Data\050719\
Data File : P26463.D
Acq On : 7 May 2019 11:12 am
Operator : K.Ruest
Sample : CCV
Inst : MSVOA-12
PALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 11:36:21 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10ml Purge
QIast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Pentafluorobenzene	50.000	50.000	0.0	116	0.00
2 P	Dichlorodifluoromethane	50.000	41.300	17.4	99	0.00
3 P	Chloromethane	50.000	49.212	1.6	121	0.00
4 P	Vinyl Chloride	50.000	44.623	10.8	108	0.00
5 P	Bromomethane	50.000	39.075	21.8#	91	0.00 (1)
6 P	Chloroethane	50.000	41.534	16.9	100	0.00
7	Freon 21	50.000	43.149	13.7	102	0.00
8 P	Trichlorofluoromethane	50.000	42.384	15.2	104	0.00
9	Diethyl Ether	50.000	41.570	16.9	97	0.00
10	Freon 123a	50.000	43.442	13.1	103	0.00
11	Freon 123	50.000	43.045	13.9	103	0.00
12	Acrolein	250.000	159.331	36.3#	74	0.00 NT
13	1,1-Dicethene	50.000	45.993	8.0	110	0.00
14 P	Freon 113	50.000	45.986	8.0	111	0.00
15 P	Acetone	50.000	48.230	3.5	112	0.00
16	2-Propanol	1000.000	939.618	6.0	107	0.00
17	Iodomethane	50.000	47.042	5.9	106	0.00
18 P	Carbon Disulfide	50.000	48.628	2.7	117	0.00
19	Acetonitrile	250.000	301.807	-20.7#	119	0.00 NT
20	Allyl Chloride	50.000	50.567	-1.1	123	0.00
21 P	Methyl Acetate	50.000	49.550	0.9	117	0.00
22 P	Methylene Chloride	50.000	51.855	-3.7	117	0.00
23	TBA	1000.000	907.968	9.2	105	0.00
24	Acrylonitrile	250.000	264.192	-5.7	118	0.00
25 P	Methyl-t-Butyl Ether	50.000	49.364	1.3	114	0.00
26 P	trans-1,2-Dichloroethene	50.000	48.605	2.8	116	0.00
27 P	1,1-Dicethane	50.000	50.777	-1.6	120	0.00
28	Vinyl Acetate	50.000	49.109	1.8	110	0.00
29	DIPE	50.000	54.151	-8.3	126	0.00
30	2-Chloro-1,3-Butadiene	50.000	49.908	0.2	119	0.00
31	ETBE	50.000	49.462	1.1	115	0.00
32	2,2-Dichloropropane	50.000	48.189	3.6	117	0.00
33 P	cis-1,2-Dichloroethene	50.000	49.269	1.5	116	0.00
34 P	2-Butanone	50.000	47.371	5.3	112	0.00
35	Propionitrile	250.000	258.996	-3.6	115	0.00
36	Bromochloromethane	50.000	49.865	0.3	115	0.00
37	Methacrylonitrile	50.000	49.760	0.5	109	0.00
38	Tetrahydrofuran	50.000	50.136	-0.3	118	0.00
39 P	Chloroform	50.000	49.013	2.0	116	0.00
40 P	1,1,1-Trichloroethane	50.000	47.359	5.3	114	0.00
41	TAME	50.000	48.751	2.5	113	0.00
42 i	1,4-Difluorobenzene	50.000	50.000	0.0	116	0.00
43 P	Cyclohexane	50.000	52.194	-4.4	125	0.00
44 s	SURR4,Dibrflmethane	50.000	47.088	5.8	106	0.00
45 P	Carbontetrachloride	50.000	47.697	4.6	116	0.00
46	1,1-Dichloropropene	50.000	48.790	2.4	118	0.00
47 s	SURR1,1,2-dichloroethane-d4	50.000	46.312	7.4	106	0.00
48 P	Benzene	50.000	49.632	0.7	118	0.00
49 P	1,2-Dichloroethane	50.000	49.076	1.8	114	0.00
50	Iso-Butyl Alcohol	1000.000	1058.134	-5.8	115	0.00
51	n-Heptane	50.000	53.702	-7.4	117	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
52	1-Butanol	2500.000	2648.921	-6.0	111	0.00	
53 P	Trichloroethene	50.000	48.182	3.6	115	0.00	
54 P	Methylcyclohexane	50.000	54.640	-9.3	126	0.00	
55 P	1,2-Diclp propane	50.000	52.989	-6.0	121	0.00	
56	Dibromomethane	50.000	49.646	0.7	115	0.00	
57	1,4-Dioxane	1000.000	956.486	4.4	105	0.00	
58	Methyl Methacrylate	50.000	50.880	-1.8	112	0.00	
59 P	Bromodichloromethane	50.000	50.188	-0.4	115	0.00	
60	2-Nitropropane	100.000	79.208	20.8#	96	0.00	NT
61	2-Chloroethylvinyl Ether	50.000	31.066	37.9#	67	0.00	NT
62 P	cis-1,3-Dichloropropene	50.000	52.016	-4.0	118	0.00	
63 P	4-Methyl-2-pentanone	50.000	48.877	2.2	110	0.00	
64 s	SURR3,Toluene-d8	50.000	46.589	6.8	106	0.00	
65 P	Toluene	50.000	49.602	0.8	118	0.00	
66 P	trans-1,3-Dichloropropene	50.000	51.405	-2.8	116	0.00	
67	Ethyl Methacrylate	50.000	52.641	-5.3	117	0.00	
68 P	1,1,2-Trichloroethane	50.000	49.483	1.0	115	0.00	
69 s	SURR2,BFB	50.000	45.825	8.3	108	0.00	
70 i	d5-Chlorobenzene	50.000	50.000	0.0	117	0.00	
71 P	Tetrachloroethene	50.000	47.832	4.3	112	0.00	
72 P	2-Hexanone	50.000	49.738	0.5	111	0.00	
73	1,3-Dichloropropene	50.000	51.478	-3.0	119	0.00	
74 P	Dibromochloromethane	50.000	50.482	-1.0	115	0.00	
75	N-Butyl Acetate	50.000	51.408	-2.8	114	0.00	
76 P	1,2-Dibromoethane	50.000	48.868	2.3	112	0.00	
77 P	Chlorobenzene	50.000	50.043	-0.1	117	0.00	
78	1,1,1,2-Tetrachloroethane	50.000	51.052	-2.1	118	0.00	
79 P	Ethylbenzene	50.000	50.510	-1.0	117	0.00	
80 P	(m+p)Xylene	100.000	101.913	-1.9	116	0.00	
81 P	o-Xylene	50.000	51.122	-2.2	117	0.00	
82 P	Styrene	50.000	52.688	-5.4	117	0.00	
83 P	Bromoform	50.000	49.423	1.2	113	0.00	
84 P	Isopropylbenzene	50.000	50.219	-0.4	114	0.00	
85	Cyclohexanone	1000.000	1073.002	-7.3	119	0.00	
86	trans-1,4-Dichloro-2-Butene	50.000	50.219	-0.4	113	0.00	
87 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	118	0.00	
88 P	1,1,2,2-Tetrachloroethane	50.000	48.423	3.2	111	0.00	
89	Bromobenzene	50.000	48.970	2.1	116	0.00	
90	1,2,3-Trichloropropene	50.000	49.620	0.8	112	0.00	
91	n-Propylbenzene	50.000	50.330	-0.7	116	0.00	
92	2-Chlorotoluene	50.000	50.513	-1.0	118	0.00	
93	4-Chlorotoluene	50.000	50.340	-0.7	117	0.00	
94	1,3,5-Trimethylbenzene	50.000	51.311	-2.6	117	0.00	
95	tert-Butylbenzene	50.000	49.517	1.0	114	0.00	
96	1,2,4-Trimethylbenzene	50.000	51.271	-2.5	116	0.00	
97	sec-Butylbenzene	50.000	49.828	0.3	114	0.00	
98	p-Isopropyltoluene	50.000	50.606	-1.2	115	0.00	
99 P	1,3-Dclbenz	50.000	49.354	1.3	117	0.00	
100 P	1,4-Dclbenz	50.000	49.183	1.6	117	0.00	
101	n-Butylbenzene	50.000	50.702	-1.4	113	0.00	

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA14
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102 P	1,2-Dclbenz	50.000	50.453	-0.9	116	0.00
103 P	1,2-Dibromo-3-chloropropane	50.000	50.150	-0.3	107	0.00
104	1,3,5-Trichlorobenzene	50.000	53.308	-6.6	118	0.00
105 P	1,2,4-Tcbenzene	50.000	52.596	-5.2	117	0.00
106	Hexachlorobt	50.000	51.398	-2.8	126	0.00
107	Naphthalen	50.000	50.872	-1.7	106	0.00
108	1,2,3-Tclbenzene	50.000	52.631	-5.3	113	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
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Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	411597	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.937	114	646142	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	565661	50.00	ug/L	0.00	
87) 1,4-Dichlorobenzene-d4	11.735	152	300350	50.00	ug/L	0.00	
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	180730	47.09	ug/L	0.00	
Spiked Amount	50.000	Range 63 - 138	Recovery =	94.18%			
47) SURR1,1,2-dichloroetha...	5.120	65	214004	46.31	ug/L	0.00	
Spiked Amount	50.000	Range 67 - 128	Recovery =	92.62%			
64) SURR3,Toluene-d8	7.943	98	730234	46.59	ug/L	0.00	
Spiked Amount	50.000	Range 66 - 138	Recovery =	93.18%			
69) SURR2,BFB	10.729	95	287343	45.83	ug/L	0.00	
Spiked Amount	50.000	Range 31 - 154	Recovery =	91.66%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.048	85	216805	41.30	ug/L		98
3) Chloromethane	1.151	50	258738	49.21	ug/L		98
4) Vinyl Chloride	1.218	62	220805	44.62	ug/L		99
5) Bromomethane	1.414	94	105240	39.08	ug/L		96
6) Chloroethane	1.481	64	119735	41.53	ug/L		98
7) Freon 21	1.609	67	318541	43.15	ug/L		100
8) Trichlorofluoromethane	1.651	101	243138	42.38	ug/L		96
9) Diethyl Ether	1.846	59	150197	41.57	ug/L		97
10) Freon 123a	1.846	67	201571	43.44	ug/L		99
11) Freon 123	1.895	83	225608	43.05	ug/L		97
12) Acrolein	1.932	56	132429	159.33	ug/L		99
13) 1,1-Diclcethene	2.011	96	162320	45.99	ug/L		100
14) Freon 113	2.017	101	163621	45.99	ug/L		94
15) Acetone	2.042	43	77248	48.23	ug/L		90
16) 2-Propanol	2.157	45	305518	939.62	ug/L		95
17) Iodomethane	2.121	142	240318	47.04	ug/L		95
18) Carbon Disulfide	2.176	76	518304	48.63	ug/L		99
19) Acetonitrile	2.255	40	71252	301.81	ug/L		91
20) Allyl Chloride	2.291	76	98902	50.57	ug/L	#	80
21) Methyl Acetate	2.310	43	156205	49.55	ug/L		97
22) Methylene Chloride	2.389	84	210556	51.85	ug/L		96
23) TBA	2.505	59	519931	907.97	ug/L		99
24) Acrylonitrile	2.602	53	406304	264.19	ug/L		96
25) Methyl-t-Butyl Ether	2.657	73	595194	49.36	ug/L		98
26) trans-1,2-Dichloroethene	2.645	96	190740	48.60	ug/L		92
27) 1,1-Diclcethane	3.066	63	370068	50.78	ug/L		97
28) Vinyl Acetate	3.145	86	37274	49.11	ug/L	#	91
29) DIPE	3.182	45	687645	54.15	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.175	53	261873	49.91	ug/L		98
31) ETBE	3.639	59	583066	49.46	ug/L		98
32) 2,2-Dichloropropane	3.785	77	270385	48.19	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	219193	49.27	ug/L		100
34) 2-Butanone	3.828	43	103208	47.37	ug/L		99
35) Propionitrile	3.889	54	156749	259.00	ug/L		98
36) Bromochloromethane	4.120	130	136927	49.87	ug/L		96
37) Methacrylonitrile	4.120	67	88203	49.76	ug/L		96
38) Tetrahydrofuran	4.206	42	69203	50.14	ug/L		92
39) Chloroform	4.279	83	345442	49.01	ug/L		96
40) 1,1,1-Trichloroethane	4.547	97	271406	47.36	ug/L		96

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	538584	48.75	ug/L	97
43) Cyclohexane	4.645	41	202066	52.19	ug/L	83
45) Carbontetrachloride	4.840	121	66617	47.70	ug/L #	79
46) 1,1-Dichloropropene	4.852	75	257571	48.79	ug/L	98
48) Benzene	5.218	78	805228	49.63	ug/L	95
49) 1,2-Dichloroethane	5.260	62	278506	49.08	ug/L	98
50) Iso-Butyl Alcohol	5.254	43	232597	1058.13	ug/L	96
51) n-Heptane	5.803	43	292646	53.70	ug/L	96
52) 1-Butanol	6.364	56	369421	2648.92	ug/L	96
53) Trichloroethene	6.297	130	219604	48.18	ug/L	96
54) Methylcyclohexane	6.565	55	301857	54.64	ug/L	92
55) 1,2-Diclpropane	6.608	63	229716	52.99	ug/L	99
56) Dibromomethane	6.760	93	130344	49.65	ug/L	99
57) 1,4-Dioxane	6.845	88	58658	956.49	ug/L	98
58) Methyl Methacrylate	6.888	69	151868	50.88	ug/L	98
59) Bromodichloromethane	7.022	83	256284	50.19	ug/L	97
60) 2-Nitropropane	7.333	41	75521	79.21	ug/L	85
61) 2-Chloroethylvinyl Ether	7.486	63	28591	31.07	ug/L	94
62) cis-1,3-Dichloropropene	7.626	75	347850	52.02	ug/L	96
63) 4-Methyl-2-pentanone	7.864	43	198662	48.88	ug/L	98
65) Toluene	8.022	91	873916	49.60	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	295604	51.40	ug/L	97
67) Ethyl Methacrylate	8.504	69	284261	52.64	ug/L	93
68) 1,1,2-Trichloroethane	8.528	97	188035	49.48	ug/L	93
71) Tetrachloroethene	8.668	164	162173	47.83	ug/L	93
72) 2-Hexanone	8.863	43	148433	49.74	ug/L	99
73) 1,3-Dichloropropane	8.711	76	342781	51.48	ug/L	97
74) Dibromochloromethane	8.961	129	181613	50.48	ug/L	99
75) N-Butyl Acetate	9.052	43	310689	51.41	ug/L	93
76) 1,2-Dibromoethane	9.058	107	186573	48.87	ug/L	93
77) Chlorobenzene	9.607	112	571870	50.04	ug/L	99
78) 1,1,1,2-Tetrachloroethane	9.705	131	191182	51.05	ug/L	96
79) Ethylbenzene	9.747	106	304786	50.51	ug/L	98
80) (m+p)Xylene	9.869	106	756596	101.91	ug/L	99
81) o-Xylene	10.247	106	372718	51.12	ug/L	98
82) Styrene	10.259	104	637878	52.69	ug/L	98
83) Bromoform	10.412	173	103829	49.42	ug/L	97
84) Isopropylbenzene	10.607	105	955042	50.22	ug/L	100
85) Cyclohexanone	10.656	55	776619	1073.00	ug/L	88
86) trans-1,4-Dichloro-2-B...	10.930	53	57102	50.22	ug/L	91
88) 1,1,2,2-Tetrachloroethane	10.881	83	227180	48.42	ug/L	100
89) Bromobenzene	10.845	156	245844	48.97	ug/L	99
90) 1,2,3-Trichloropropane	10.900	110	79096	49.62	ug/L	91
91) n-Propylbenzene	10.979	91	1154159	50.33	ug/L	99
92) 2-Chlorotoluene	11.034	91	698424	50.51	ug/L	97
93) 4-Chlorotoluene	11.131	91	798605	50.34	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	820224	51.31	ug/L	98
95) tert-Butylbenzene	11.418	119	699688	49.52	ug/L	97
96) 1,2,4-Trimethylbenzene	11.460	105	824911	51.27	ug/L	97
97) sec-Butylbenzene	11.607	105	1071517	49.83	ug/L	99
98) p-Isopropyltoluene	11.735	119	896693	50.61	ug/L	98
99) 1,3-Dclbenz	11.680	146	479809	49.35	ug/L	99
100) 1,4-Dclbenz	11.759	146	484390	49.18	ug/L	95
101) n-Butylbenzene	12.076	91	837550	50.70	ug/L	95
102) 1,2-Dclbenz	12.064	146	464300	50.45	ug/L	99
103) 1,2-Dibromo-3-chloropr...	12.698	157	42826	50.15	ug/L	92

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
 Data File : F6458.D
 Acq On : 4 May 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA14
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 16:48:46 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	346823	53.31	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	309747	52.60	ug/L	98
106) Hexachlorobt	13.509	225	172980	51.40	ug/L	97
107) Naphthalen	13.551	128	627428	50.87	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	257322	52.63	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
1	i Pentafluorobenzene	50.000	50.000	0.0	103	0.00	
2	P Dichlorodifluoromethane	50.000	58.336	-16.7	108	0.00	
3	P Chloromethane	50.000	55.227	-10.5	111	0.00	
4	P Vinyl Chloride	50.000	52.518	-5.0	98	0.00	
5	P Bromomethane	50.000	45.247	9.5	96	0.00	
6	P Chloroethane	50.000	46.206	7.6	89	0.00	
7	Freon 21	50.000	44.644	10.7	92	0.00	
8	P Trichlorofluoromethane	50.000	44.612	10.8	86	0.00	
9	Diethyl Ether	50.000	45.373	9.3	93	0.00	
10	Freon 123a	50.000	43.414	13.2	90	0.00	
11	Freon 123	50.000	42.964	14.1	88	0.00	
12	Acrolein	250.000	162.512	35.0#	65	0.00	NT
13	1,1-Dicethene	50.000	49.774	0.5	96	0.00	
14	P Freon 113	50.000	50.150	-0.3	97	0.00	
15	P Acetone	50.000	46.082	7.8	96	0.00	
16	2-Propanol	1000.000	800.096	20.0	82	0.00	
17	Iodomethane	50.000	49.219	1.6	97	0.00	
18	P Carbon Disulfide	50.000	51.171	-2.3	103	0.00	
19	Acetonitrile	250.000	247.843	0.9	100	0.00	
20	Allyl Chloride	50.000	52.579	-5.2	104	0.00	
21	P Methyl Acetate	50.000	46.900	6.2	92	0.00	
22	P Methylene Chloride	50.000	48.971	2.1	102	0.00	
23	TBA	1000.000	781.130	21.9#	80	0.00	NT
24	Acrylonitrile	250.000	221.542	11.4	88	0.00	
25	P Methyl-t-Butyl Ether	50.000	49.457	1.1	100	0.00	
26	P trans-1,2-Dichloroethene	50.000	49.671	0.7	98	0.00	
27	P 1,1-Dicethane	50.000	53.248	-6.5	104	0.00	
28	Vinyl Acetate	50.000	48.231	3.5	93	0.00	
29	DIPE	50.000	55.648	-11.3	113	0.00	
30	2-Chloro-1,3-Butadiene	50.000	54.068	-8.1	107	0.00	
31	ETBE	50.000	52.315	-4.6	107	0.00	
32	2,2-Dichloropropane	50.000	52.156	-4.3	103	0.00	
33	P cis-1,2-Dichloroethene	50.000	49.584	0.8	99	0.00	
34	P 2-Butanone	50.000	42.526	14.9	88	0.00	
35	Propionitrile	250.000	218.910	12.4	85	0.00	
36	Bromochloromethane	50.000	46.305	7.4	93	0.00	
37	Methacrylonitrile	50.000	45.507	9.0	87	0.00	
38	Tetrahydrofuran	50.000	43.123	13.8	90	0.00	
39	P Chloroform	50.000	50.043	-0.1	100	0.00	
40	P 1,1,1-Trichloroethane	50.000	50.005	-0.0	96	0.00	
41	TAME	50.000	49.645	0.7	101	0.00	
42	i 1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00	
43	P Cyclohexane	50.000	52.354	-4.7	111	0.00	
44	s surr4,Dibrflmethane	50.000	46.111	7.8	99	0.00	
45	P Carbontetrachloride	50.000	48.085	3.8	97	0.00	
46	1,1-Dichloropropene	50.000	49.595	0.8	99	0.00	
47	s surr1,1,2-dichloroethane-d4	50.000	47.073	5.9	102	0.00	
48	P Benzene	50.000	48.881	2.2	100	0.00	
49	P 1,2-Dichloroethane	50.000	49.867	0.3	102	0.00	
50	Iso-Butyl Alcohol	1000.000	839.678	16.0	86	0.00	
51	n-Heptane	50.000	60.147	-20.3#	117	0.00	NT

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
52	1-Butanol	2500.000	1918.270	23.3#	78	0.00	NT
53 P	Trichloroethene	50.000	45.118	9.8	89	0.00	
54 P	Methylcyclohexane	50.000	52.651	-5.3	110	0.00	
55 P	1,2-Diclp propane	50.000	51.096	-2.2	104	0.00	
56	Dibromomethane	50.000	46.552	6.9	96	0.00	
57	1,4-Dioxane	1000.000	721.037	27.9#	74	0.00	(1)
58	Methyl Methacrylate	50.000	45.548	8.9	89	0.00	
59 P	Bromodichloromethane	50.000	51.104	-2.2	103	0.00	
60	2-Nitropropane	100.000	88.570	11.4	93	0.00	
61	2-Chloroethylvinyl Ether	50.000	44.045	11.9	87	0.00	
62 P	cis-1,3-Dichloropropene	50.000	51.927	-3.9	103	0.00	
63 P	4-Methyl-2-pentanone	50.000	42.750	14.5	88	0.00	
64 s	SURR3,Toluene-d8	50.000	45.711	8.6	99	0.00	
65 P	Toluene	50.000	47.447	5.1	96	0.00	
66 P	trans-1,3-Dichloropropene	50.000	50.937	-1.9	100	0.00	
67	Ethyl Methacrylate	50.000	51.604	-3.2	95	0.00	
68 P	1,1,2-Trichloroethane	50.000	45.655	8.7	94	0.00	
69 s	SURR2,BFB	50.000	45.293	9.4	100	0.00	
70 i	d5-Chlorobenzene	50.000	50.000	0.0	106	0.00	
71 P	Tetrachloroethene	50.000	42.337	15.3	90	0.00	
72 P	2-Hexanone	50.000	43.261	13.5	87	0.00	
73	1,3-Dichloropropene	50.000	47.804	4.4	97	0.00	
74 P	Dibromochloromethane	50.000	47.741	4.5	95	0.00	
75	N-Butyl Acetate	50.000	46.865	6.3	93	0.00	
76 P	1,2-Dibromoethane	50.000	45.462	9.1	91	0.00	
77	3-Chlorobenzotrifluoride	50.000	47.354	5.3	103	0.00	
78 P	Chlorobenzene	50.000	45.803	8.4	95	0.00	
79	4-Chlorobenzotrifluoride	50.000	47.622	4.8	103	0.00	
80	1,1,1,2-Tetrachloroethane	50.000	49.345	1.3	97	0.00	
81 P	Ethylbenzene	50.000	47.204	5.6	95	0.00	
82 P	(m+p)Xylene	100.000	94.382	5.6	94	0.00	
83 P	o-Xylene	50.000	47.275	5.5	94	0.00	
84 P	Styrene	50.000	48.326	3.3	94	0.00	
85 P	Bromoform	50.000	45.878	8.2	90	0.00	
86	2-Chlorobenzotrifluoride	50.000	46.352	7.3	101	0.00	
87 P	Isopropylbenzene	50.000	47.196	5.6	92	0.00	
88	Cyclohexanone	1000.000	814.451	18.6	79	0.00	
89	trans-1,4-Dichloro-2-Butene	50.000	43.706	12.6	88	0.00	
90 i	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00	
91 P	1,1,2,2-Tetrachloroethane	50.000	45.352	9.3	92	0.00	
92	Bromobenzene	50.000	45.849	8.3	91	0.00	
93	1,2,3-Trichloropropene	50.000	40.922	18.2	81	0.00	
94	n-Propylbenzene	50.000	50.261	-0.5	95	0.00	
95	2-Chlorotoluene	50.000	49.470	1.1	96	0.00	
96	3-Chlorotoluene	50.000	51.589	-3.2	106	0.00	
97	4-Chlorotoluene	50.000	48.467	3.1	94	0.00	
98	1,3,5-Trimethylbenzene	50.000	49.003	2.0	93	0.00	
99	tert-Butylbenzene	50.000	47.512	5.0	90	0.00	
100	1,2,4-Trimethylbenzene	50.000	49.318	1.4	93	0.00	
101	3,4-Dichlorobenzotrifluorid	50.000	47.974	4.1	98	0.00	

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA14
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
102	sec-Butylbenzene	50.000	49.400	1.2	92	0.00	
103	p-Isopropyltoluene	50.000	48.475	3.0	91	0.00	
104 P	1,3-Dclbenz	50.000	46.361	7.3	92	0.00	
105 P	1,4-Dclbenz	50.000	44.482	11.0	91	0.00	
106	2,4-Dichlorobenzotrifluorid	50.000	48.404	3.2	98	0.00	
107	2,5-Dichlorobenzotrifluorid	50.000	46.872	6.3	96	0.00	
108	n-Butylbenzene	50.000	50.018	-0.0	95	0.00	
109 P	1,2-Dclbenz	50.000	46.001	8.0	90	0.00	
110 P	1,2-Dibromo-3-chloropropane	50.000	40.095	19.8	76	0.00	
111	Trielution Dichlorotoluene	150.000	152.342	-1.6	98	0.00	
112	1,3,5-Trichlorobenzene	50.000	47.776	4.4	94	0.00	
113	Coelution Dichlorotoluene	100.000	102.632	-2.6	96	0.00	
114 P	1,2,4-Tcbenzene	50.000	43.883	12.2	87	0.00	
115	Hexachlorobt	50.000	41.914	16.2	85	0.00	
116	Naphthalen	50.000	41.300	17.4	77	0.00	
117	1,2,3-Tclbenzene	50.000	42.020	16.0	81	0.00	
118	2,4,5-Trichlorotoluene	50.000	35.653	28.7#	56	0.00	NT
119	2,3,6-Trichlorotoluene	50.000	36.092	27.8#	57	0.00	NT

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	274395	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.937	114	419413	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	370392	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.735	152	194563	50.00	ug/L	0.00	
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	128872	46.11	ug/L	0.00	
Spiked Amount	50.000	Range	89 - 119	Recovery	=	92.22%	
47) surr1,1,2-dichloroetha...	5.120	65	154174	47.07	ug/L	0.00	
Spiked Amount	50.000	Range	73 - 125	Recovery	=	94.14%	
64) SURR3,Toluene-d8	7.943	98	509934	45.71	ug/L	0.00	
Spiked Amount	50.000	Range	87 - 121	Recovery	=	91.42%	
69) SURR2,BFB	10.729	95	195669	45.29	ug/L	0.00	
Spiked Amount	50.000	Range	85 - 122	Recovery	=	90.58%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.048	85	187446	58.34	ug/L		99
3) Chloromethane	1.151	50	198725	55.23	ug/L		100
4) Vinyl Chloride	1.218	62	170478	52.52	ug/L		99
5) Bromomethane	1.413	94	83210	45.25	ug/L		98
6) Chloroethane	1.481	64	87939	46.21	ug/L		99
7) Freon 21	1.609	67	204800	44.64	ug/L		100
8) Trichlorofluoromethane	1.651	101	162168	44.61	ug/L		99
9) Diethyl Ether	1.846	59	116560	45.37	ug/L		97
10) Freon 123a	1.846	67	123450	43.41	ug/L		94
11) Freon 123	1.895	83	139279	42.96	ug/L		99
12) Acrolein	1.932	56	114833	162.51	ug/L		97
13) 1,1-Diclcethene	2.011	96	114081	49.77	ug/L		97
14) Freon 113	2.017	101	104209	50.15	ug/L		96
15) Acetone	2.041	43	61804	46.08	ug/L		97
16) 2-Propanol	2.157	45	238719	800.10	ug/L		100
17) Iodomethane	2.121	142	163517	49.22	ug/L		99
18) Carbon Disulfide	2.176	76	310453	51.17	ug/L		99
19) Acetonitrile	2.255	40	66752	247.84	ug/L		99
20) Allyl Chloride	2.291	76	69545	52.58	ug/L	#	88
21) Methyl Acetate	2.310	43	130763	46.90	ug/L		98
22) Methylene Chloride	2.389	84	143076	48.97	ug/L		94
23) TBA	2.505	59	391133	781.13	ug/L		97
24) Acrylonitrile	2.602	53	344163	221.54	ug/L		98
25) Methyl-t-Butyl Ether	2.657	73	431534	49.46	ug/L		98
26) trans-1,2-Dichloroethene	2.645	96	127524	49.67	ug/L		97
27) 1,1-Diclcethane	3.066	63	250932	53.25	ug/L		99
28) Vinyl Acetate	3.145	86	29283	48.23	ug/L	#	71
29) DIPE	3.181	45	449447	55.65	ug/L		97
30) 2-Chloro-1,3-Butadiene	3.175	53	167851	54.07	ug/L		93
31) ETBE	3.639	59	402915	52.32	ug/L		100
32) 2,2-Dichloropropane	3.779	77	181540	52.16	ug/L		98
33) cis-1,2-Dichloroethene	3.785	96	146782	49.58	ug/L		93
34) 2-Butanone	3.822	43	84772	42.53	ug/L		99
35) Propionitrile	3.883	54	140176	218.91	ug/L		97
36) Bromochloromethane	4.120	130	94224	46.31	ug/L		90
37) Methacrylonitrile	4.120	67	72705	45.51	ug/L		99
38) Tetrahydrofuran	4.212	42	56539	43.12	ug/L		95
39) Chloroform	4.279	83	232842	50.04	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	182268	50.00	ug/L		96

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	378703	49.65	ug/L	97
43) Cyclohexane	4.638	41	111000	52.35	ug/L	96
45) Carbontetrachloride	4.840	117	142726	48.08	ug/L	98
46) 1,1-Dichloropropene	4.852	75	166910	49.60	ug/L	99
48) Benzene	5.218	78	541061	48.88	ug/L	99
49) 1,2-Dichloroethane	5.254	62	195864	49.87	ug/L	96
50) Iso-Butyl Alcohol	5.254	43	179518	839.68	ug/L	99
51) n-Heptane	5.803	43	165161	60.15	ug/L	91
52) 1-Butanol	6.370	56	273912	1918.27	ug/L	97
53) Trichloroethene	6.297	130	136273	45.12	ug/L	98
54) Methylcyclohexane	6.565	55	155627	52.65	ug/L	87
55) 1,2-Diclpropane	6.608	63	153535	51.10	ug/L	99
56) Dibromomethane	6.760	93	93282	46.55	ug/L	91
57) 1,4-Dioxane	6.845	88	46680	721.04	ug/L	96
58) Methyl Methacrylate	6.888	69	117739	45.55	ug/L	93
59) Bromodichloromethane	7.022	83	178537	51.10	ug/L	99
60) 2-Nitropropane	7.333	41	67507	88.57	ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	27344	44.04	ug/L	93
62) cis-1,3-Dichloropropene	7.626	75	239374	51.93	ug/L	98
63) 4-Methyl-2-pentanone	7.857	43	154899	42.75	ug/L	95
65) Toluene	8.022	91	561203	47.45	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	208393	50.94	ug/L	99
67) Ethyl Methacrylate	8.504	69	212020	51.60	ug/L	92
68) 1,1,2-Trichloroethane	8.528	97	136217	45.66	ug/L	97
71) Tetrachloroethene	8.668	164	101846	42.34	ug/L	96
72) 2-Hexanone	8.863	43	116724	43.26	ug/L	94
73) 1,3-Dichloropropane	8.711	76	242641	47.80	ug/L	95
74) Dibromochloromethane	8.961	129	132551	47.74	ug/L	98
75) N-Butyl Acetate	9.052	43	234362	46.87	ug/L	97
76) 1,2-Dibromoethane	9.058	107	138329	45.46	ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	180445	47.35	ug/L	96
78) Chlorobenzene	9.607	112	359531	45.80	ug/L	97
79) 4-Chlorobenzotrifluoride	9.711	180	164386	47.62	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	126303	49.35	ug/L	98
81) Ethylbenzene	9.747	106	188303	47.20	ug/L	96
82) (m+p)Xylene	9.869	106	465812	94.38	ug/L	98
83) o-Xylene	10.247	106	230819	47.27	ug/L	97
84) Styrene	10.259	104	400343	48.33	ug/L	97
85) Bromoform	10.412	173	82961	45.88	ug/L	99
86) 2-Chlorobenzotrifluoride	10.515	180	177920	46.35	ug/L	98
87) Isopropylbenzene	10.607	105	569073	47.20	ug/L	100
88) Cyclohexanone	10.656	55	572949	814.45	ug/L	98
89) trans-1,4-Dichloro-2-B...	10.930	53	42699	43.71	ug/L	89
91) 1,1,2,2-Tetrachloroethane	10.881	83	185645	45.35	ug/L	99
92) Bromobenzene	10.845	156	154904	45.85	ug/L	91
93) 1,2,3-Trichloropropane	10.899	110	57774	40.92	ug/L	95
94) n-Propylbenzene	10.979	91	670669	50.26	ug/L	97
95) 2-Chlorotoluene	11.034	91	413696	49.47	ug/L	97
96) 3-Chlorotoluene	11.088	91	421909	51.59	ug/L	98
97) 4-Chlorotoluene	11.131	91	467588	48.47	ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	469182	49.00	ug/L	99
99) tert-Butylbenzene	11.418	119	393884	47.51	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	478005	49.32	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.533	214	139302	47.97	ug/L	99
102) sec-Butylbenzene	11.607	105	585098	49.40	ug/L	98
103) p-Isopropyltoluene	11.735	119	488426	48.48	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6509.D
 Acq On : 8 May 2019 2:57 pm
 Operator : F.NAEGLER
 Sample : CCV Inst : MSVOA14
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 08 15:32:42 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	283462	46.36	ug/L	98
105) 1,4-Dclbenz	11.759	146	285753	44.48	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	126866	48.40	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.869	214	140881	46.87	ug/L	97
108) n-Butylbenzene	12.076	91	443945	50.02	ug/L	97
109) 1,2-Dclbenz	12.064	146	285605	46.00	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.698	157	38945	40.10	ug/L	99
111) Trielution Dichlorotol...	12.826	125	685539	152.34	ug/L	97
112) 1,3,5-Trichlorobenzene	12.875	180	190567	47.78	ug/L	98
113) Coelution Dichlorotoluene	13.155	125	495612	102.63	ug/L	100
114) 1,2,4-Tcbenzene	13.362	180	185652	43.88	ug/L	97
115) Hexachlorobt	13.509	225	75005	41.91	ug/L	99
116) Naphthalen	13.551	128	531205	41.30	ug/L	100
117) 1,2,3-Tclbenzene	13.740	180	173633	42.02	ug/L	99
118) 2,4,5-Trichlorotoluene	14.332	159	34795	35.65	ug/L	96
119) 2,3,6-Trichlorotoluene	14.417	159	42606	36.09	ug/L	96

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

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Pentafluorobenzene	50.0000	50.0000	0.0	100	0.00
2 P	Dichlorodifluoromethane	50.0000	68.9630	-37.9#	130	0.00 (1)
3 P	Chloromethane	50.0000	59.5850	-19.2	123	0.00
4 P	Vinyl Chloride	50.0000	57.4907	-15.0	113	0.00
5 P	Bromomethane	50.0000	40.6490	18.7	94	0.00
6 P	Chloroethane	50.0000	49.3599	1.3	100	0.00
7	Freon 21	50.0000	45.5995	8.8	96	0.00
8 P	Trichlorofluoromethane	50.0000	53.3949	-6.8	103	0.00
9	Diethyl Ether	50.0000	54.2205	-8.4	107	0.00
10	Freon 123a	50.0000	48.8214	2.4	100	0.00
11	Freon 123	50.0000	50.4512	-0.9	100	0.00
12	Acrolein	250.0000	244.7748	2.1	97	0.00
13	1,1-Dicethene	50.0000	50.5258	-1.1	104	0.00
14 P	Freon 113	50.0000	53.5748	-7.1	104	0.00
15 P	Acetone	50.0000	53.2024	-6.4	107	0.00
16	2-Propanol	1000.0000	1081.4665	-8.1	106	0.00
17	Iodomethane	50.0000	49.5383	0.9	92	0.00
18 P	Carbon Disulfide	50.0000	47.8053	4.4	100	0.00
19	Acetonitrile	250.0000	309.9443	-24.0#	119	0.00 NT
20	Allyl Chloride	50.0000	51.4814	-3.0	100	0.00
21 P	Methyl Acetate	50.0000	53.1154	-6.2	109	0.00
22 P	Methylene Chloride	50.0000	48.9683	2.1	102	0.00
23	TBA	1000.0000	1057.8073	-5.8	106	-0.01
24	Acrylonitrile	250.0000	275.3131	-10.1	106	0.00
25 P	Methyl-t-Butyl Ether	50.0000	49.5512	0.9	98	0.00
26 P	trans-1,2-Dichloroethene	50.0000	51.2778	-2.6	101	0.00
27 P	1,1-Dicethane	50.0000	52.5254	-5.1	104	0.00
28	Vinyl Acetate	50.0000	47.1681	5.7	101	0.00
29	DIPE	50.0000	51.6894	-3.4	101	0.00
30	2-Chloro-1,3-Butadiene	50.0000	49.0397	1.9	101	0.00
31	ETBE	50.0000	49.8666	0.3	97	0.00
32	2,2-Dichloropropane	50.0000	48.6112	2.8	96	0.00
33 P	cis-1,2-Dichloroethene	50.0000	50.4197	-0.8	99	0.00
34 P	2-Butanone	50.0000	55.6405	-11.3	113	0.00
35	Propionitrile	250.0000	279.0648	-11.6	107	0.00
36	Bromochloromethane	50.0000	51.0234	-2.0	103	0.00
37	Methacrylonitrile	50.0000	51.6917	-3.4	108	0.00
38	Tetrahydrofuran	50.0000	52.5984	-5.2	111	0.00
39 P	Chloroform	50.0000	49.6138	0.8	100	0.00
40 P	1,1,1-Trichloroethane	50.0000	48.9097	2.2	98	0.00
41 i	1,4-Difluorobenzene	50.0000	50.0000	0.0	98	0.00
42 P	Cyclohexane	50.0000	49.2893	1.4	102	0.00
43 s	surr4,Dibrflmethane	50.0000	48.9442	2.1	95	0.00
44 P	Carbontetrachloride	50.0000	48.9504	2.1	97	0.00
45	1,1-Dichloropropene	50.0000	50.8694	-1.7	101	0.00
46 s	surr1,1,2-dichloroethane-d4	50.0000	49.1005	1.8	96	0.00
47 P	Benzene	50.0000	51.8885	-3.8	101	0.00
48 P	1,2-Dichloroethane	50.0000	47.2976	5.4	94	0.00
49	Iso-Butyl Alcohol	1000.0000	1117.5940	-11.8	110	-0.01
50	TAME	50.0000	47.8824	4.2	94	0.00
51	n-Heptane	50.0000	57.5884	-15.2	116	0.00

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	1-Butanol	2500.0000	2709.2969	-8.4	103	-0.01
53 P	Trichloroethene	50.0000	48.8154	2.4	102	0.00
54 P	Methylcyclohexane	50.0000	50.3876	-0.8	103	0.00
55 P	1,2-Diclp propane	50.0000	51.8814	-3.8	101	0.00
56	Dibromomethane	50.0000	50.1593	-0.3	94	0.00
57	1,4-Dioxane	1000.0000	1061.2065	-6.1	105	0.00
58	Methyl Methacrylate	50.0000	53.5935	-7.2	105	0.00
59 P	Bromodichloromethane	50.0000	49.6715	0.7	96	0.00
60	2-Nitropropane	100.0000	82.6553	17.3	88	0.00
61	2-Chloroethylvinyl Ether	50.0000	55.1242	-10.2	108	0.00
62 P	cis-1,3-Dichloropropene	50.0000	51.9142	-3.8	100	0.00
63 P	4-Methyl-2-pentanone	50.0000	54.4551	-8.9	108	0.00
64 s	SURR3,Toluene-d8	50.0000	48.8640	2.3	97	0.00
65 P	Toluene	50.0000	50.2444	-0.5	97	0.00
66 P	trans-1,3-Dichloropropene	50.0000	50.6812	-1.4	96	0.00
67	Ethyl Methacrylate	50.0000	51.8776	-3.8	103	0.00
68 P	1,1,2-Trichloroethane	50.0000	48.2105	3.6	95	0.00
69 s	SURR2,BFB	50.0000	46.9582	6.1	89	0.00
70 i	d5-Chlorobenzene	50.0000	50.0000	0.0	100	0.00
71 P	Tetrachloroethene	50.0000	49.8001	0.4	98	0.00
72 P	2-Hexanone	50.0000	54.9830	-10.0	111	0.00
73	1,3-Dichloropropene	50.0000	52.3709	-4.7	100	0.00
74 P	Dibromochloromethane	50.0000	48.3767	3.2	95	0.00
75	N-Butyl Acetate	50.0000	53.8092	-7.6	106	0.00
76 P	1,2-Dibromoethane	50.0000	51.0258	-2.1	96	0.00
77	3-Chlorobenzotrifluoride	50.0000	47.9365	4.1	92	0.00
78 P	Chlorobenzene	50.0000	48.6036	2.8	95	0.00
79	4-Chlorobenzotrifluoride	50.0000	47.6487	4.7	92	0.00
80	1,1,1,2-Tetrachloroethane	50.0000	50.0389	-0.1	95	0.00
81 P	Ethylbenzene	50.0000	50.7234	-1.4	95	0.00
82 P	(m+p)Xylene	100.0000	98.0615	1.9	93	0.00
83 P	o-Xylene	50.0000	48.5977	2.8	93	0.00
84 P	Styrene	50.0000	50.9080	-1.8	94	0.00
85 P	Bromoform	50.0000	48.5642	2.9	91	0.00
86	2-Chlorobenzotrifluoride	50.0000	47.3643	5.3	92	0.00
87 P	Isopropylbenzene	50.0000	49.5943	0.8	94	0.00
88	Cyclohexanone	1000.0000	1225.1873	-22.5#	108	0.00 NT
89	trans-1,4-Dichloro-2-Butene	50.0000	53.4211	-6.8	97	0.00
90 i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	94	0.00
91 P	1,1,2,2-Tetrachloroethane	50.0000	50.4674	-0.9	91	0.00
92	Bromobenzene	50.0000	49.1101	1.8	95	0.00
93	1,2,3-Trichloropropene	50.0000	48.6431	2.7	94	0.00
94	n-Propylbenzene	50.0000	50.0028	-0.0	93	0.00
95	2-Chlorotoluene	50.0000	49.4456	1.1	91	0.00
96	3-Chlorotoluene	50.0000	45.7194	8.6	88	0.00
97	4-Chlorotoluene	50.0000	48.7719	2.5	89	0.00
98	1,3,5-Trimethylbenzene	50.0000	48.8564	2.3	90	0.00
99	tert-Butylbenzene	50.0000	49.4090	1.2	92	0.00
100	1,2,4-Trimethylbenzene	50.0000	49.2585	1.5	90	0.00
101	3,4-Dichlorobenzotrifluorid	50.0000	45.8330	8.3	91	0.00

Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0943.D
 Acq On : 8 May 2019 10:05 am
 Operator : D.LIPANI
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	sec-Butylbenzene	50.0000	50.2044	-0.4	91	0.00
103	p-Isopropyltoluene	50.0000	49.8945	0.2	90	0.00
104 P	1,3-Dclbenz	50.0000	48.3056	3.4	92	0.00
105 P	1,4-Dclbenz	50.0000	47.8051	4.4	92	0.00
106	2,4-Dichlorobenzotrifluorid	50.0000	46.6039	6.8	88	0.00
107	2,5-Dichlorobenzotrifluorid	50.0000	49.3705	1.3	90	0.00
108	n-Butylbenzene	50.0000	50.9594	-1.9	90	0.00
109 P	1,2-Dclbenz	50.0000	48.3548	3.3	91	0.00
110 P	1,2-Dibromo-3-chloropropane	50.0000	50.6511	-1.3	92	0.00
111	Trielution Dichlorotoluene	150.0000	140.8517	6.1	87	0.00
112	1,3,5-Trichlorobenzene	50.0000	49.0200	2.0	91	0.00
113	Coelution Dichlorotoluene	100.0000	93.1355	6.9	87	0.00
114 P	1,2,4-Tcbenzene	50.0000	50.6772	-1.4	95	0.00
115	Hexachlorobt	50.0000	51.7840	-3.6	96	0.00
116	Naphthalen	50.0000	53.3341	-6.7	93	0.00
117	1,2,3-Tclbenzene	50.0000	50.9252	-1.9	94	0.00
118	2,4,5-Trichlorotoluene	50.0000	48.0242	4.0	88	0.00
119	2,3,6-Trichlorotoluene	50.0000	48.4757	3.0	89	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.391	168	255362	50.00	ug/L	0.00	
41) 1,4-Difluorobenzene	6.488	114	405131	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.805	117	355537	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.853	152	191096	50.00	ug/L	0.00	
System Monitoring Compounds							
43) surr4,Dibrflmethane	5.232	113	129885	48.94	ug/L	0.00	
Spiked Amount	50.000	Range	89 - 119	Recovery	=	97.88%	
46) surr1,1,2-dichloroetha...	5.781	65	183750	49.10	ug/L	0.00	
Spiked Amount	50.000	Range	73 - 125	Recovery	=	98.20%	
64) SURR3,Toluene-d8	8.311	98	536704	48.86	ug/L	0.00	
Spiked Amount	50.000	Range	87 - 121	Recovery	=	97.72%	
69) SURR2,BFB	10.878	95	199567	46.96	ug/L	0.00	
Spiked Amount	50.000	Range	85 - 122	Recovery	=	93.92%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.154	85	251840	68.96	ug/L		98
3) Chloromethane	1.276	50	297528	59.59	ug/L		100
4) Vinyl Chloride	1.355	62	265124	57.49	ug/L		99
5) Bromomethane	1.581	94	129593	40.65	ug/L		94
6) Chloroethane	1.660	64	137768	49.36	ug/L		98
7) Freon 21	1.812	67	299389	45.60	ug/L		98
8) Trichlorofluoromethane	1.855	101	237168	53.39	ug/L		98
9) Diethyl Ether	2.093	59	159576	54.22	ug/L		98
10) Freon 123a	2.093	67	185212	48.82	ug/L		94
11) Freon 123	2.148	83	202391	50.45	ug/L		96
12) Acrolein	2.190	56	182205	244.77	ug/L		95
13) 1,1-Diclcethene	2.282	96	137263	50.53	ug/L		96
14) Freon 113	2.288	101	132593	53.57	ug/L		95
15) Acetone	2.324	43	96656	53.20	ug/L		97
16) 2-Propanol	2.459	45	409548	1081.47	ug/L		100
17) Iodomethane	2.416	142	176855	49.54	ug/L		93
18) Carbon Disulfide	2.477	76	389014	47.81	ug/L		99
19) Acetonitrile	2.574	41	197012	309.94	ug/L		98
20) Allyl Chloride	2.617	76	83437	51.48	ug/L	#	91
21) Methyl Acetate	2.635	43	201494	53.12	ug/L		99
22) Methylene Chloride	2.733	84	157032	48.97	ug/L		97
23) TBA	2.861	59	600523	1057.81	ug/L		97
24) Acrylonitrile	2.983	53	482403	275.31	ug/L		98
25) Methyl-t-Butyl Ether	3.032	73	512102	49.55	ug/L		97
26) trans-1,2-Dichloroethene	3.026	96	147044	51.28	ug/L		95
27) 1,1-Diclcethane	3.525	63	318850	52.53	ug/L		99
28) Vinyl Acetate	3.611	86	31233	47.17	ug/L		97
29) DIPE	3.653	45	585111	51.69	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.647	53	235715	49.04	ug/L		99
31) ETBE	4.184	59	499290	49.87	ug/L		96
32) 2,2-Dichloropropane	4.361	77	243126	48.61	ug/L		94
33) cis-1,2-Dichloroethene	4.367	96	159535	50.42	ug/L		93
34) 2-Butanone	4.409	43	129179	55.64	ug/L		98
35) Propionitrile	4.495	54	192757	279.06	ug/L		96
36) Bromochloromethane	4.763	130	95012	51.02	ug/L		95
37) Methacrylonitrile	4.769	67	93407	51.69	ug/L		90
38) Tetrahydrofuran	4.854	42	85292	52.60	ug/L		99
39) Chloroform	4.940	83	265891	49.61	ug/L		96
40) 1,1,1-Trichloroethane	5.251	97	219160	48.91	ug/L		97

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	178693	49.29	ug/L	94
44) Carbontetrachloride	5.525	117	174944	48.95	ug/L	96
45) 1,1-Dichloropropene	5.537	75	216519	50.87	ug/L	99
47) Benzene	5.860	78	646148	51.89	ug/L	98
48) 1,2-Dichloroethane	5.897	62	235105	47.30	ug/L	94
49) Iso-Butyl Alcohol	5.879	43	302876	1117.59	ug/L	97
50) TAME	6.098	73	438095	47.88	ug/L	99
51) n-Heptane	6.354	43	266580	57.59	ug/L	96
52) 1-Butanol	6.848	56	416629	2709.30	ug/L	96
53) Trichloroethene	6.811	130	151139	48.82	ug/L	97
54) Methylcyclohexane	7.055	55	219371	50.39	ug/L	91
55) 1,2-Diclpropane	7.098	63	179656	51.88	ug/L	100
56) Dibromomethane	7.238	93	99564	50.16	ug/L	94
57) 1,4-Dioxane	7.299	88	60468	1061.21	ug/L	95
58) Methyl Methacrylate	7.330	69	147893	53.59	ug/L	98
59) Bromodichloromethane	7.464	83	194118	49.67	ug/L	99
60) 2-Nitropropane	7.750	41	101137	82.66	ug/L	99
61) 2-Chloroethylvinyl Ether	7.878	63	99864	55.12	ug/L	98
62) cis-1,3-Dichloropropene	8.012	75	269537	51.91	ug/L	99
63) 4-Methyl-2-pentanone	8.220	43	242003	54.46	ug/L	98
65) Toluene	8.384	91	658109	50.24	ug/L	99
66) trans-1,3-Dichloropropene	8.652	75	243024	50.68	ug/L	99
67) Ethyl Methacrylate	8.793	69	257921	51.88	ug/L	100
68) 1,1,2-Trichloroethane	8.841	97	140605	48.21	ug/L	96
71) Tetrachloroethene	8.976	164	113716	49.80	ug/L	97
72) 2-Hexanone	9.134	43	188924	54.98	ug/L	95
73) 1,3-Dichloropropane	9.012	76	269295	52.37	ug/L	94
74) Dibromochloromethane	9.238	129	135550	48.38	ug/L	96
75) N-Butyl Acetate	9.286	43	362653	53.81	ug/L	98
76) 1,2-Dibromoethane	9.335	107	146639	51.03	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	195742	47.94	ug/L	96
78) Chlorobenzene	9.829	112	389663	48.60	ug/L	100
79) 4-Chlorobenzotrifluoride	9.902	180	173387	47.65	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.914	131	135098	50.04	ug/L	97
81) Ethylbenzene	9.951	106	212974	50.72	ug/L	94
82) (m+p)Xylene	10.061	106	529435	98.06	ug/L	98
83) o-Xylene	10.420	106	255362	48.60	ug/L	99
84) Styrene	10.433	104	446661	50.91	ug/L	99
85) Bromoform	10.585	173	91763	48.56	ug/L	97
86) 2-Chlorobenzotrifluoride	10.664	180	192083	47.36	ug/L	99
87) Isopropylbenzene	10.756	105	675286	49.59	ug/L	99
88) Cyclohexanone	10.817	55	924685	1225.19	ug/L	99
89) trans-1,4-Dichloro-2-B...	11.061	53	64859	53.42	ug/L	91
91) 1,1,2,2-Tetrachloroethane	11.012	83	216874	50.47	ug/L	99
92) Bromobenzene	11.000	156	166126	49.11	ug/L	95
93) 1,2,3-Trichloropropane	11.042	110	62278	48.64	ug/L	97
94) n-Propylbenzene	11.109	91	847269	50.00	ug/L	98
95) 2-Chlorotoluene	11.170	91	494273	49.45	ug/L	98
96) 3-Chlorotoluene	11.225	91	453503	45.72	ug/L	98
97) 4-Chlorotoluene	11.268	91	569761	48.77	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	564764	48.86	ug/L	99
99) tert-Butylbenzene	11.536	119	482539	49.41	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	567350	49.26	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.634	214	160436	45.83	ug/L	97
102) sec-Butylbenzene	11.719	105	742805	50.20	ug/L	99
103) p-Isopropyltoluene	11.841	119	602140	49.89	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\050819\
 Data File : E0943.D
 Acq On : 8 May 2019 10:05 am
 Operator : D.LIPANI
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 10:21:28 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

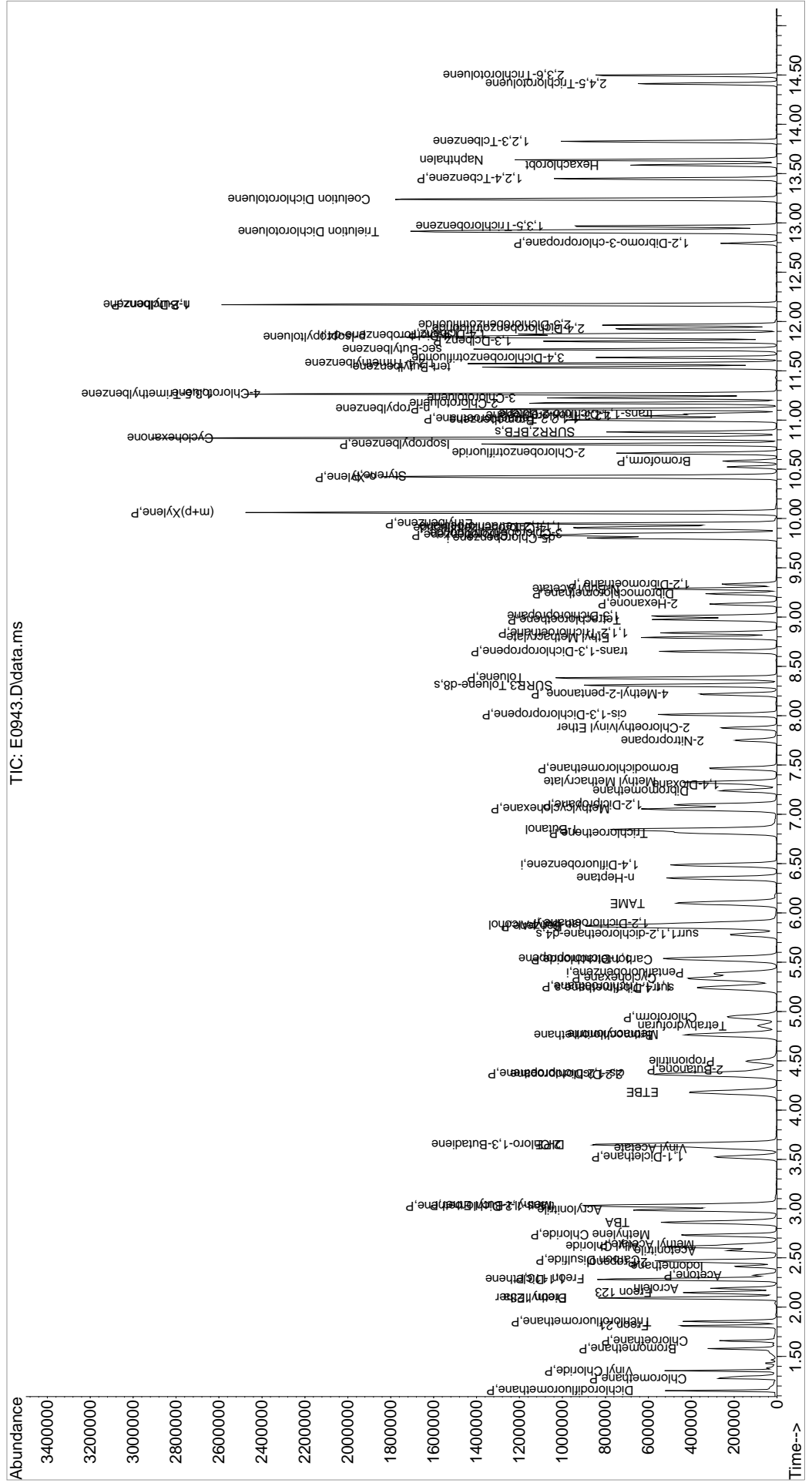
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	316094	48.31	ug/L	97
105) 1,4-Dclbenz	11.871	146	321744	47.81	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.926	214	147906	46.60	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.963	214	164261	49.37	ug/L	96
108) n-Butylbenzene	12.170	91	612385	50.96	ug/L	98
109) 1,2-Dclbenz	12.170	146	313124	48.35	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.792	157	46567	50.65	ug/L	96
111) Trielution Dichlorotol...	12.914	125	792311	140.85	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	228705	49.02	ug/L	98
113) Coelution Dichlorotoluene	13.243	125	572305	93.14	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	243665	50.68	ug/L	97
115) Hexachlorobt	13.584	225	103236	51.78	ug/L	96
116) Naphthalen	13.639	128	678905	53.33	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	236183	50.93	ug/L	99
118) 2,4,5-Trichlorotoluene	14.414	159	130855	48.02	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	150498	48.48	ug/L	97

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

Data Path : I:\ACQDATA\msvoa10\data\050819\
Data File : E0943.D
Acq On : 8 May 2019 10:05 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 08 10:21:28 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 i	Pentafluorobenzene	50.0000	50.0000	0.0	106	0.00
2 P	Dichlorodifluoromethane	50.0000	68.5981	-37.2#	137	0.00(1)
3 P	Chloromethane	50.0000	56.7352	-13.5	124	0.00
4 P	Vinyl Chloride	50.0000	56.9767	-14.0	118	0.00
5 P	Bromomethane	50.0000	39.4788	21.0#	96	0.00(2)
6 P	Chloroethane	50.0000	49.5394	0.9	106	0.00
7	Freon 21	50.0000	47.1137	5.8	105	0.00
8 P	Trichlorofluoromethane	50.0000	52.2375	-4.5	107	0.00
9	Diethyl Ether	50.0000	54.0637	-8.1	113	0.00
10	Freon 123a	50.0000	49.5340	0.9	107	0.00
11	Freon 123	50.0000	50.7275	-1.5	106	0.00
12	Acrolein	250.0000	244.5748	2.2	102	0.00
13	1,1-Dicethene	50.0000	51.9847	-4.0	113	0.00
14 P	Freon 113	50.0000	54.2322	-8.5	111	0.00
15 P	Acetone	50.0000	55.2346	-10.5	117	0.00
16	2-Propanol	1000.0000	1088.7063	-8.9	113	0.00
17	Iodomethane	50.0000	41.9899	16.0	81	0.00
18 P	Carbon Disulfide	50.0000	47.4230	5.2	105	0.00
19	Acetonitrile	250.0000	314.1876	-25.7#	127	0.00
20	Allyl Chloride	50.0000	51.7475	-3.5	107	0.00
21 P	Methyl Acetate	50.0000	53.5554	-7.1	116	0.00
22 P	Methylene Chloride	50.0000	49.9283	0.1	109	0.00
23	TBA	1000.0000	1044.6858	-4.5	110	-0.01
24	Acrylonitrile	250.0000	279.0928	-11.6	114	0.00
25 P	Methyl-t-Butyl Ether	50.0000	49.8250	0.3	104	0.00
26 P	trans-1,2-Dichloroethene	50.0000	50.6405	-1.3	105	0.00
27 P	1,1-Dicethane	50.0000	51.9093	-3.8	109	0.00
28	Vinyl Acetate	50.0000	48.9793	2.0	110	0.00
29	DIPE	50.0000	52.2586	-4.5	108	0.00
30	2-Chloro-1,3-Butadiene	50.0000	49.1869	1.6	107	0.00
31	ETBE	50.0000	49.9784	0.0	103	0.00
32	2,2-Dichloropropane	50.0000	48.5354	2.9	102	0.00
33 P	cis-1,2-Dichloroethene	50.0000	50.2597	-0.5	104	0.00
34 P	2-Butanone	50.0000	56.8679	-13.7	121	0.00
35	Propionitrile	250.0000	284.0829	-13.6	114	0.00
36	Bromochloromethane	50.0000	50.2419	-0.5	107	0.00
37	Methacrylonitrile	50.0000	51.6251	-3.3	114	0.00
38	Tetrahydrofuran	50.0000	52.0635	-4.1	116	0.00
39 P	Chloroform	50.0000	49.0887	1.8	104	0.00
40 P	1,1,1-Trichloroethane	50.0000	49.4339	1.1	104	0.00
41 i	1,4-Difluorobenzene	50.0000	50.0000	0.0	103	0.00
42 P	Cyclohexane	50.0000	50.2158	-0.4	108	0.00
43 s	surr4,Dibrflmethane	50.0000	49.4473	1.1	100	0.00
44 P	Carbontetrachloride	50.0000	49.9355	0.1	103	0.00
45	1,1-Dichloropropene	50.0000	50.7202	-1.4	105	0.00
46 s	surr1,1,2-dichloroethane-d4	50.0000	49.8722	0.3	103	0.00
47 P	Benzene	50.0000	52.5526	-5.1	107	0.00
48 P	1,2-Dichloroethane	50.0000	47.8032	4.4	99	0.00
49	Iso-Butyl Alcohol	1000.0000	1109.9853	-11.0	114	-0.01
50	TAME	50.0000	47.6624	4.7	98	0.00
51	n-Heptane	50.0000	59.2409	-18.5	125	0.00

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	1-Butanol	2500.0000	2692.5607	-7.7	107	-0.01
53 P	Trichloroethene	50.0000	48.4924	3.0	107	0.00
54 P	Methylcyclohexane	50.0000	51.7522	-3.5	111	0.00
55 P	1,2-Diclp propane	50.0000	52.8905	-5.8	108	0.00
56	Dibromomethane	50.0000	49.6585	0.7	97	0.00
57	1,4-Dioxane	1000.0000	1074.6468	-7.5	112	0.00
58	Methyl Methacrylate	50.0000	53.5545	-7.1	110	0.00
59 P	Bromodichloromethane	50.0000	50.9248	-1.8	103	0.00
60	2-Nitropropane	100.0000	82.8535	17.1	92	0.00
61	2-Chloroethylvinyl Ether	50.0000	54.0903	-8.2	110	0.00
62 P	cis-1,3-Dichloropropene	50.0000	52.7687	-5.5	106	0.00
63 P	4-Methyl-2-pentanone	50.0000	54.8320	-9.7	114	0.00
64 s	SURR3,Toluene-d8	50.0000	48.3087	3.4	101	0.00
65 P	Toluene	50.0000	50.0469	-0.1	101	0.00
66 P	trans-1,3-Dichloropropene	50.0000	51.1637	-2.3	102	0.00
67	Ethyl Methacrylate	50.0000	52.2162	-4.4	108	0.00
68 P	1,1,2-Trichloroethane	50.0000	49.0984	1.8	102	0.00
69 s	SURR2,BFB	50.0000	47.3923	5.2	94	0.00
70 i	d5-Chlorobenzene	50.0000	50.0000	0.0	107	0.00
71 P	Tetrachloroethene	50.0000	48.9374	2.1	103	0.00
72 P	2-Hexanone	50.0000	54.6824	-9.4	118	0.00
73	1,3-Dichloropropene	50.0000	50.7607	-1.5	104	0.00
74 P	Dibromochloromethane	50.0000	48.1115	3.8	101	0.00
75	N-Butyl Acetate	50.0000	52.3248	-4.6	110	0.00
76 P	1,2-Dibromoethane	50.0000	51.2294	-2.5	103	0.00
77	3-Chlorobenzotrifluoride	50.0000	47.5429	4.9	97	0.00
78 P	Chlorobenzene	50.0000	48.0918	3.8	101	0.00
79	4-Chlorobenzotrifluoride	50.0000	47.7515	4.5	99	0.00
80	1,1,1,2-Tetrachloroethane	50.0000	49.9076	0.2	102	0.00
81 P	Ethylbenzene	50.0000	50.2303	-0.5	101	0.00
82 P	(m+p)Xylene	100.0000	96.4035	3.6	98	0.00
83 P	o-Xylene	50.0000	47.9732	4.1	98	0.00
84 P	Styrene	50.0000	49.9143	0.2	98	0.00
85 P	Bromoform	50.0000	48.9197	2.2	98	0.00
86	2-Chlorobenzotrifluoride	50.0000	47.2537	5.5	98	0.00
87 P	Isopropylbenzene	50.0000	48.8256	2.3	99	0.00
88	Cyclohexanone	1000.0000	1151.9461	-15.2	108	0.00
89	trans-1,4-Dichloro-2-Butene	50.0000	52.4212	-4.8	101	0.00
90 i	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	100	0.00
91 P	1,1,2,2-Tetrachloroethane	50.0000	50.7952	-1.6	97	0.00
92	Bromobenzene	50.0000	48.5163	3.0	99	0.00
93	1,2,3-Trichloropropene	50.0000	48.3095	3.4	99	0.00
94	n-Propylbenzene	50.0000	49.2296	1.5	96	0.00
95	2-Chlorotoluene	50.0000	48.9417	2.1	95	0.00
96	3-Chlorotoluene	50.0000	45.9797	8.0	93	0.00
97	4-Chlorotoluene	50.0000	48.6311	2.7	94	0.00
98	1,3,5-Trimethylbenzene	50.0000	48.8487	2.3	95	0.00
99	tert-Butylbenzene	50.0000	48.1364	3.7	95	0.00
100	1,2,4-Trimethylbenzene	50.0000	49.2396	1.5	96	0.00
101	3,4-Dichlorobenzotrifluorid	50.0000	47.2474	5.5	99	0.00

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0973.D
 Acq On : 10 May 2019 9:50 am
 Operator : D.LIPANI
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	sec-Butylbenzene	50.0000	49.9837	0.0	96	0.00
103	p-Isopropyltoluene	50.0000	49.7361	0.5	95	0.00
104 P	1,3-Dclbenz	50.0000	48.2924	3.4	97	0.00
105 P	1,4-Dclbenz	50.0000	47.5498	4.9	96	0.00
106	2,4-Dichlorobenzotrifluorid	50.0000	47.5280	4.9	95	0.00
107	2,5-Dichlorobenzotrifluorid	50.0000	50.2306	-0.5	97	0.00
108	n-Butylbenzene	50.0000	51.3177	-2.6	95	0.00
109 P	1,2-Dclbenz	50.0000	48.4618	3.1	96	0.00
110 P	1,2-Dibromo-3-chloropropane	50.0000	50.2526	-0.5	96	0.00
111	Trielution Dichlorotoluene	150.0000	141.1228	5.9	92	0.00
112	1,3,5-Trichlorobenzene	50.0000	48.2641	3.5	95	0.00
113	Coelution Dichlorotoluene	100.0000	93.2558	6.7	92	0.00
114 P	1,2,4-Tcbenzene	50.0000	50.3968	-0.8	100	0.00
115	Hexachlorobt	50.0000	53.6791	-7.4	105	0.00
116	Naphthalen	50.0000	52.8300	-5.7	97	0.00
117	1,2,3-Tclbenzene	50.0000	51.0067	-2.0	99	0.00
118	2,4,5-Trichlorotoluene	50.0000	49.2483	1.5	96	0.00
119	2,3,6-Trichlorotoluene	50.0000	49.9388	0.1	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0973.D
Acq On : 10 May 2019 9:50 am
Operator : D.LIPANI
Sample : CCV
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 10 10:11:50 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	269422	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	423955	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	380191	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	202021	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	137317	49.45	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	98.90%		
46) surr1,1,2-dichloroetha...	5.781	65	195310	49.87	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	99.74%		
64) SURR3,Toluene-d8	8.311	98	555259	48.31	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	96.62%		
69) SURR2,BFB	10.878	95	210770	47.39	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	94.78%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	264300	68.60	ug/L	97
3) Chloromethane	1.282	50	298896	56.74	ug/L	98
4) Vinyl Chloride	1.355	62	277221	56.98	ug/L	99
5) Bromomethane	1.581	94	132099	39.48	ug/L	99
6) Chloroethane	1.660	64	145882	49.54	ug/L	97
7) Freon 21	1.806	67	326362	47.11	ug/L	97
8) Trichlorofluoromethane	1.855	101	244802	52.24	ug/L	99
9) Diethyl Ether	2.093	59	167875	54.06	ug/L	99
10) Freon 123a	2.093	67	198262	49.53	ug/L	97
11) Freon 123	2.148	83	214704	50.73	ug/L	95
12) Acrolein	2.190	56	192080	244.57	ug/L	95
13) 1,1-Dicethene	2.282	96	149002	51.98	ug/L	92
14) Freon 113	2.288	101	141610	54.23	ug/L	100
15) Acetone	2.324	43	105873	55.23	ug/L	98
16) 2-Propanol	2.458	45	434990	1088.71	ug/L	99
17) Iodomethane	2.416	142	156243	41.99	ug/L	96
18) Carbon Disulfide	2.477	76	407151	47.42	ug/L	98
19) Acetonitrile	2.574	41	210705	314.19	ug/L	95
20) Allyl Chloride	2.611	76	88486	51.75	ug/L	# 86
21) Methyl Acetate	2.635	43	214349	53.56	ug/L	98
22) Methylene Chloride	2.733	84	168926	49.93	ug/L	95
23) TBA	2.861	59	625728	1044.69	ug/L	98
24) Acrylonitrile	2.989	53	515951	279.09	ug/L	96
25) Methyl-t-Butyl Ether	3.038	73	543283	49.82	ug/L	99
26) trans-1,2-Dichloroethene	3.025	96	153212	50.64	ug/L	97
27) 1,1-Dicethane	3.525	63	332460	51.91	ug/L	100
28) Vinyl Acetate	3.617	86	34218	48.98	ug/L	# 89
29) DIPE	3.653	45	624125	52.26	ug/L	98
30) 2-Chloro-1,3-Butadiene	3.653	53	249440	49.19	ug/L	99
31) ETBE	4.184	59	527961	49.98	ug/L	96
32) 2,2-Dichloropropane	4.361	77	256112	48.54	ug/L	95
33) cis-1,2-Dichloroethene	4.367	96	167785	50.26	ug/L	98
34) 2-Butanone	4.409	43	139298	56.87	ug/L	99
35) Propionitrile	4.495	54	207027	284.08	ug/L	92
36) Bromochloromethane	4.769	130	98708	50.24	ug/L	93
37) Methacrylonitrile	4.769	67	98423	51.63	ug/L	# 84
38) Tetrahydrofuran	4.854	42	89073	52.06	ug/L	98
39) Chloroform	4.946	83	277562	49.09	ug/L	94
40) 1,1,1-Trichloroethane	5.244	97	233705	49.43	ug/L	92

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0973.D
 Acq On : 10 May 2019 9:50 am
 Operator : D.LIPANI
 Sample : CCV
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 Inst : MSVOA10

Quant Time: May 10 10:11:50 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.336	41	190511	50.22	ug/L	94
44) Carbontetrachloride	5.531	117	186757	49.94	ug/L	97
45) 1,1-Dichloropropene	5.543	75	225915	50.72	ug/L	99
47) Benzene	5.860	78	684824	52.55	ug/L	98
48) 1,2-Dichloroethane	5.897	62	248659	47.80	ug/L	93
49) Iso-Butyl Alcohol	5.879	43	314791	1109.99	ug/L	95
50) TAME	6.098	73	456345	47.66	ug/L	96
51) n-Heptane	6.354	43	286971	59.24	ug/L	95
52) 1-Butanol	6.848	56	433294	2692.56	ug/L	98
53) Trichloroethene	6.817	130	157115	48.49	ug/L	95
54) Methylcyclohexane	7.055	55	235781	51.75	ug/L	95
55) 1,2-Diclpropane	7.098	63	191660	52.89	ug/L	96
56) Dibromomethane	7.244	93	103150	49.66	ug/L	90
57) 1,4-Dioxane	7.299	88	64079	1074.65	ug/L	96
58) Methyl Methacrylate	7.329	69	154652	53.55	ug/L	97
59) Bromodichloromethane	7.470	83	208263	50.92	ug/L	97
60) 2-Nitropropane	7.750	41	106090	82.85	ug/L	94
61) 2-Chloroethylvinyl Ether	7.878	63	102544	54.09	ug/L	97
62) cis-1,3-Dichloropropene	8.012	75	286703	52.77	ug/L	100
63) 4-Methyl-2-pentanone	8.220	43	255000	54.83	ug/L	99
65) Toluene	8.384	91	685980	50.05	ug/L	97
66) trans-1,3-Dichloropropene	8.652	75	256737	51.16	ug/L	98
67) Ethyl Methacrylate	8.799	69	271667	52.22	ug/L	95
68) 1,1,2-Trichloroethane	8.841	97	149848	49.10	ug/L	98
71) Tetrachloroethene	8.975	164	119495	48.94	ug/L	98
72) 2-Hexanone	9.134	43	200920	54.68	ug/L	93
73) 1,3-Dichloropropane	9.012	76	279115	50.76	ug/L	95
74) Dibromochloromethane	9.238	129	144155	48.11	ug/L	97
75) N-Butyl Acetate	9.286	43	377102	52.32	ug/L	99
76) 1,2-Dibromoethane	9.335	107	157433	51.23	ug/L	99
77) 3-Chlorobenzotrifluoride	9.847	180	207597	47.54	ug/L	97
78) Chlorobenzene	9.829	112	412296	48.09	ug/L	99
79) 4-Chlorobenzotrifluoride	9.902	180	185810	47.75	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.914	131	144087	49.91	ug/L	96
81) Ethylbenzene	9.951	106	225528	50.23	ug/L	98
82) (m+p)Xylene	10.061	106	556575	96.40	ug/L	96
83) o-Xylene	10.420	106	269561	47.97	ug/L	100
84) Styrene	10.432	104	468311	49.91	ug/L	98
85) Bromoform	10.585	173	98905	48.92	ug/L	95
86) 2-Chlorobenzotrifluoride	10.664	180	204923	47.25	ug/L	99
87) Isopropylbenzene	10.756	105	710919	48.83	ug/L	99
88) Cyclohexanone	10.817	55	929695	1151.95	ug/L	100
89) trans-1,4-Dichloro-2-B...	11.060	53	67917	52.42	ug/L	97
91) 1,1,2,2-Tetrachloroethane	11.012	83	230762	50.80	ug/L	98
92) Bromobenzene	10.999	156	173500	48.52	ug/L	98
93) 1,2,3-Trichloropropane	11.042	110	65387	48.31	ug/L	97
94) n-Propylbenzene	11.109	91	881857	49.23	ug/L	99
95) 2-Chlorotoluene	11.170	91	517206	48.94	ug/L	97
96) 3-Chlorotoluene	11.225	91	482160	45.98	ug/L	97
97) 4-Chlorotoluene	11.268	91	600596	48.63	ug/L	99
98) 1,3,5-Trimethylbenzene	11.262	105	596957	48.85	ug/L	99
99) tert-Butylbenzene	11.536	119	496986	48.14	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	599555	49.24	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.633	214	174842	47.25	ug/L	97
102) sec-Butylbenzene	11.719	105	781819	49.98	ug/L	99
103) p-Isopropyltoluene	11.841	119	634544	49.74	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\051019\
 Data File : E0973.D
 Acq On : 10 May 2019 9:50 am
 Operator : D.LIPANI
 Sample : CCV Inst : MSVOA10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 10:11:50 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.798	146	334074	48.29	ug/L	97
105) 1,4-Dclbenz	11.871	146	338322	47.55	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.926	214	159462	47.53	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.963	214	176677	50.23	ug/L	97
108) n-Butylbenzene	12.170	91	651947	51.32	ug/L	99
109) 1,2-Dclbenz	12.176	146	331758	48.46	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.792	157	48842	50.25	ug/L	98
111) Trielution Dichlorotol...	12.914	125	839220	141.12	ug/L	99
112) 1,3,5-Trichlorobenzene	12.969	180	238052	48.26	ug/L	97
113) Coelution Dichlorotoluene	13.243	125	605805	93.26	ug/L	95
114) 1,2,4-Tcbenzene	13.450	180	256170	50.40	ug/L	97
115) Hexachlorobt	13.590	225	113132	53.68	ug/L	99
116) Naphthalen	13.639	128	710934	52.83	ug/L	99
117) 1,2,3-Tclbenzene	13.828	180	250085	51.01	ug/L	99
118) 2,4,5-Trichlorotoluene	14.413	159	141862	49.25	ug/L	96
119) 2,3,6-Trichlorotoluene	14.499	159	163904	49.94	ug/L	98

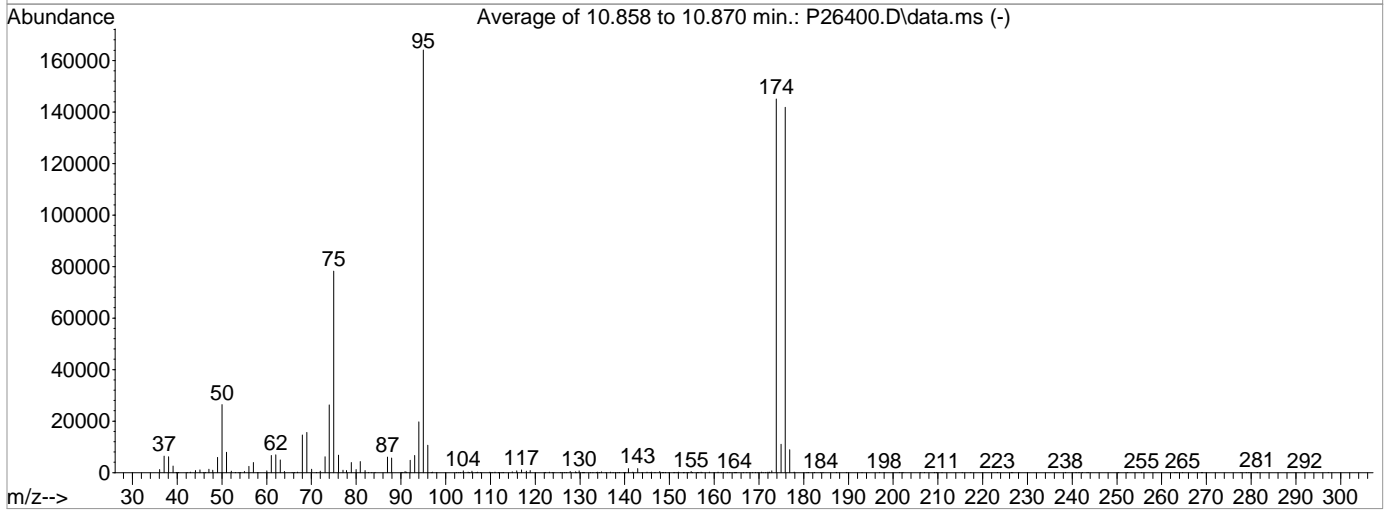
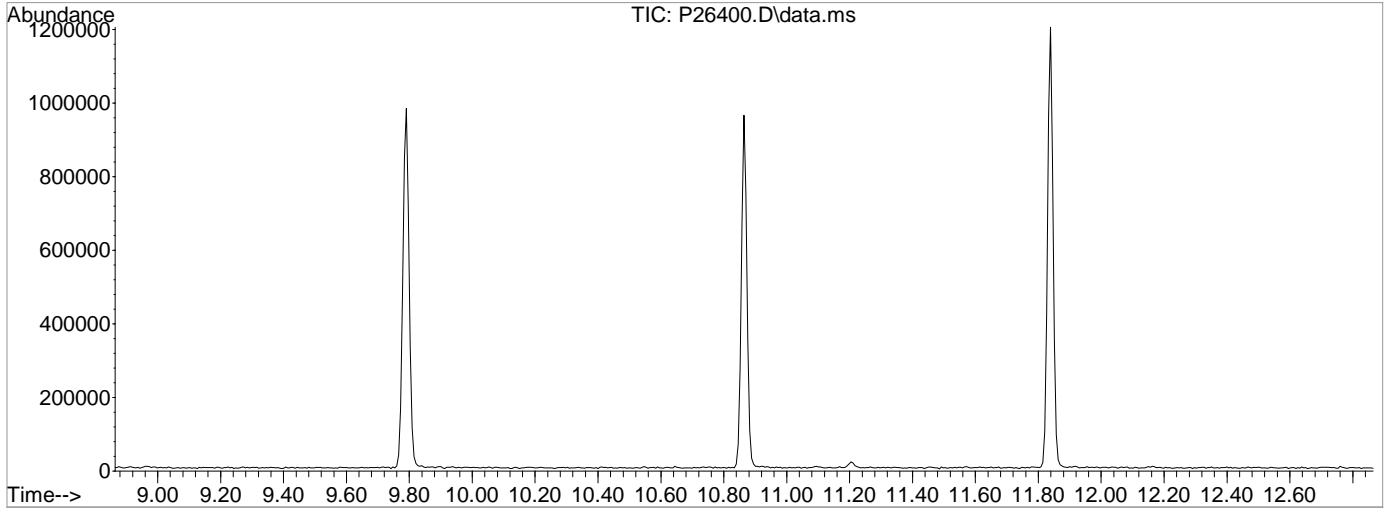
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQUDATA\msvoa12\Data\050619\
Data File : P26400.D
Acq On : 6 May 2019 10:18 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Thu May 02 11:39:03 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1592

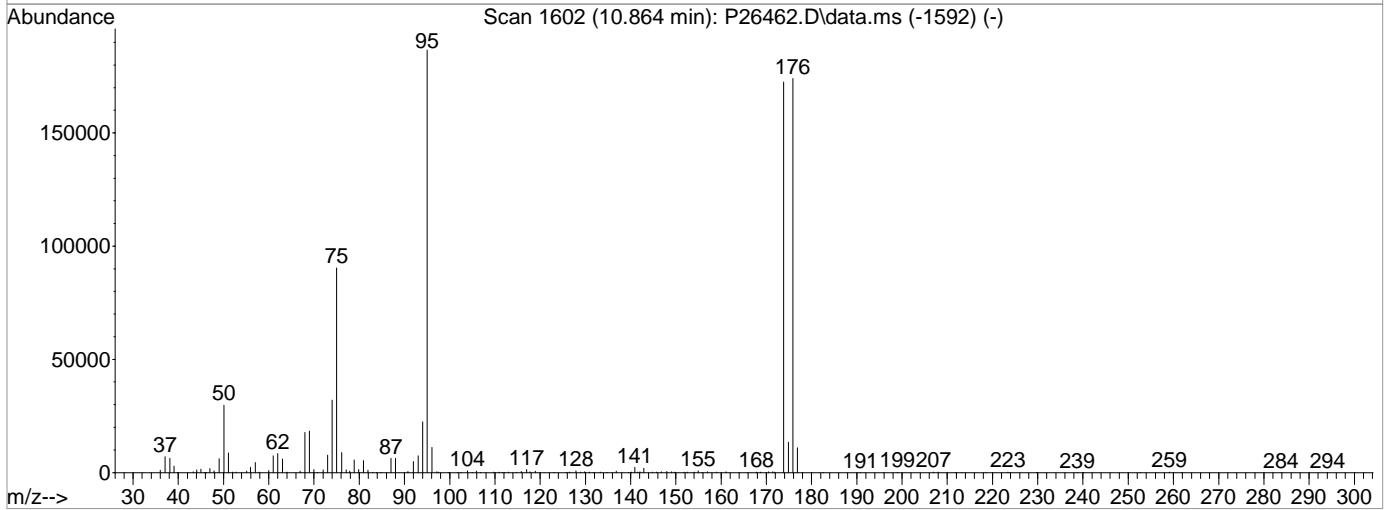
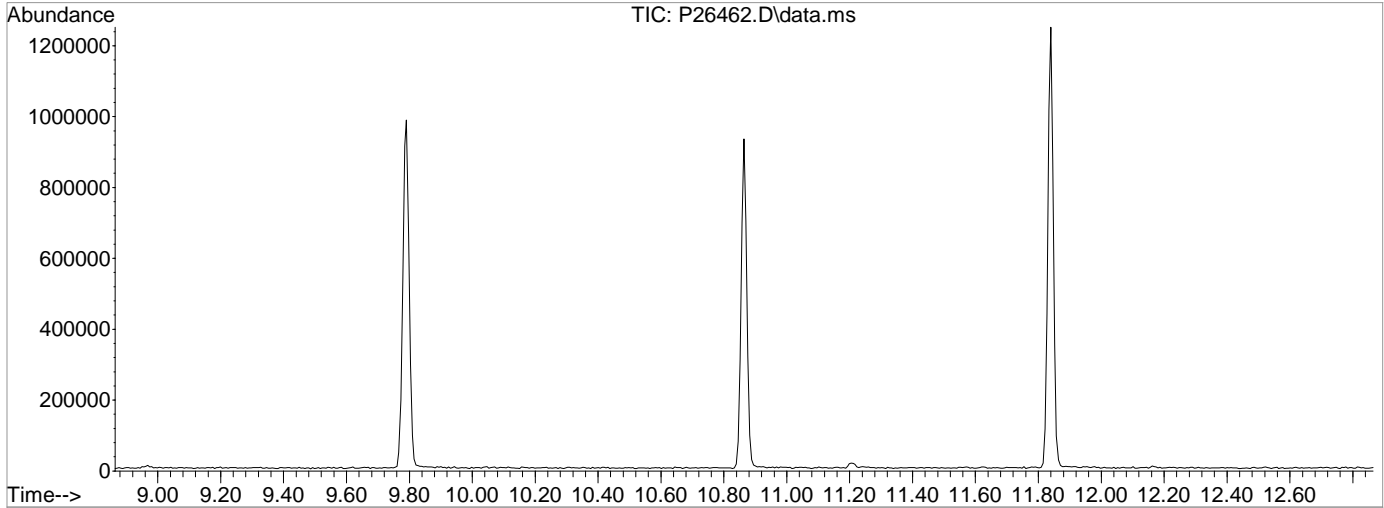
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	26396	PASS
75	95	30	60	47.7	78224	PASS
95	95	100	100	100.0	164139	PASS
96	95	5	9	6.5	10630	PASS
173	174	0.00	2	0.5	725	PASS
174	95	50	120	88.4	145035	PASS
175	174	5	9	7.6	10958	PASS
176	174	95	101	97.8	141849	PASS
177	176	5	9	6.3	8870	PASS

Data Path : I:\ACQUDATA\msvoa12\Data\050719\
Data File : P26462.D
Acq On : 7 May 2019 10:42 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Thu May 02 11:39:03 2019



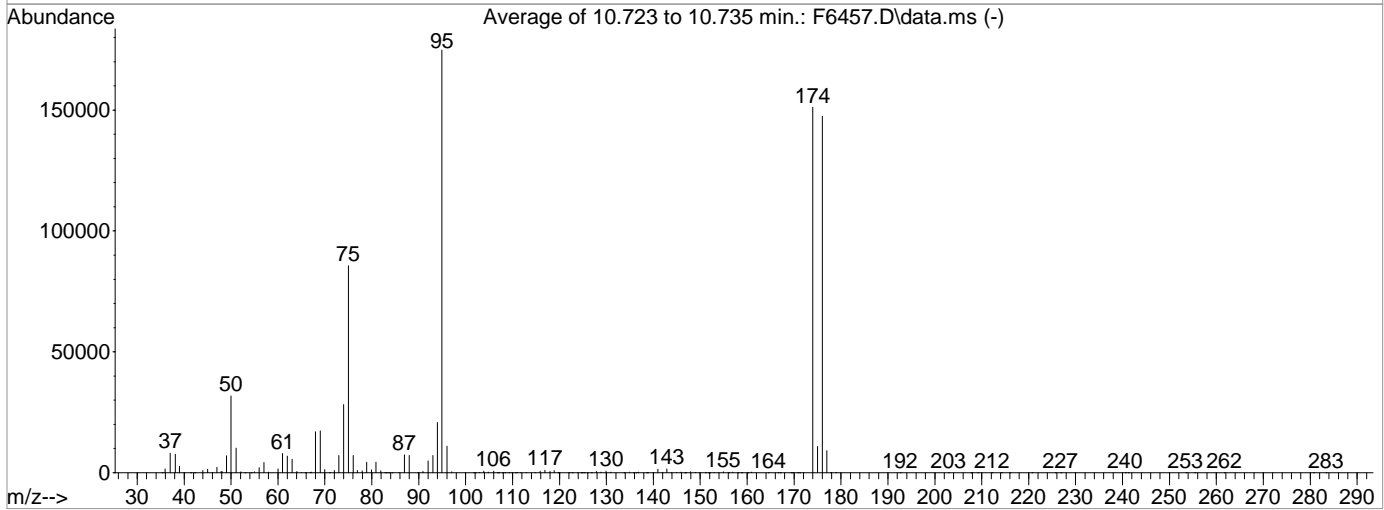
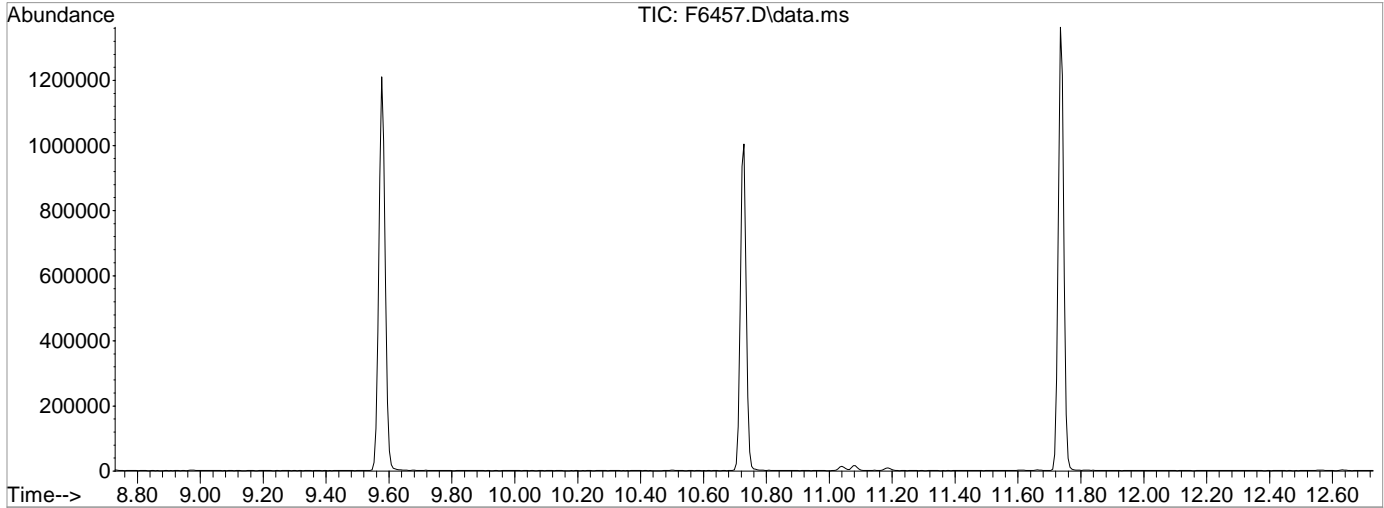
Spectrum Information: Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	29752	PASS
75	95	30	60	48.4	90392	PASS
95	95	100	100	100.0	186688	PASS
96	95	5	9	5.9	11052	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.4	172564	PASS
175	174	5	9	7.7	13314	PASS
176	174	95	101	100.8	174016	PASS
177	176	5	9	6.3	11016	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\050419\
Data File : F6457.D
Acq On : 4 May 2019 3:47 pm
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1
Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Title : MS#14 - 8260 SOILS 10ml PURGE
Last Update : Mon Apr 22 10:00:17 2019



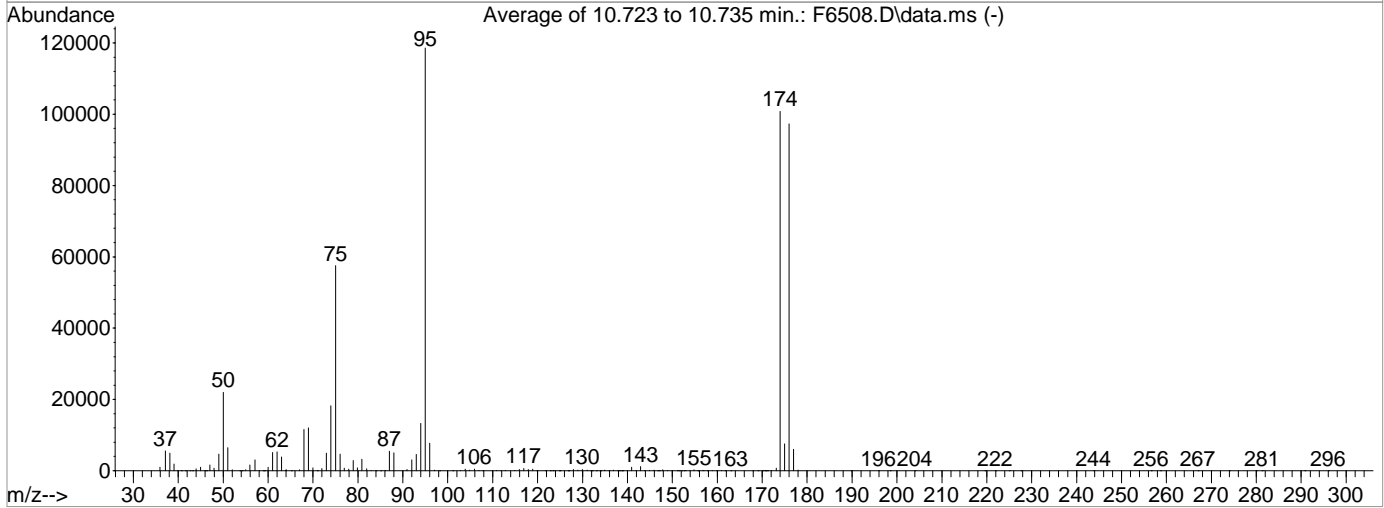
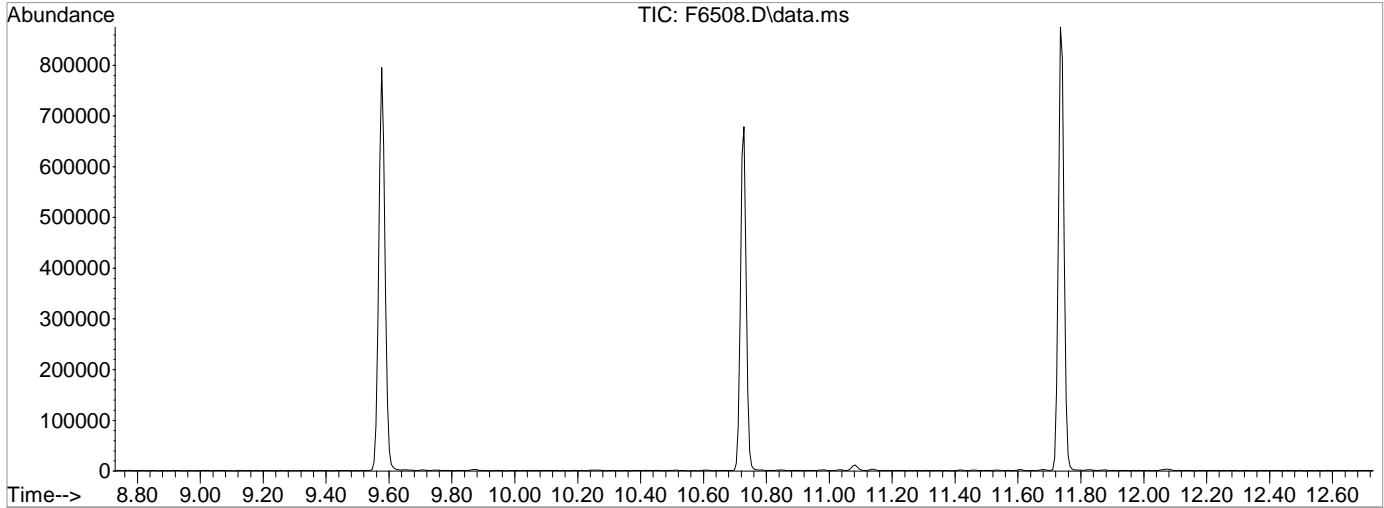
AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	31773	PASS
75	95	30	60	49.0	85693	PASS
95	95	100	100	100.0	174841	PASS
96	95	5	9	6.3	10992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	86.4	151093	PASS
175	174	5	9	7.2	10887	PASS
176	174	95	101	97.6	147408	PASS
177	176	5	9	6.2	9135	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\050819\
 Data File : F6508.D
 Acq On : 8 May 2019 2:21 pm
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\W032619.m
 Title : MS#14 - 8260 WATERS 5mL Purge
 Last Update : Tue Mar 26 16:08:17 2019



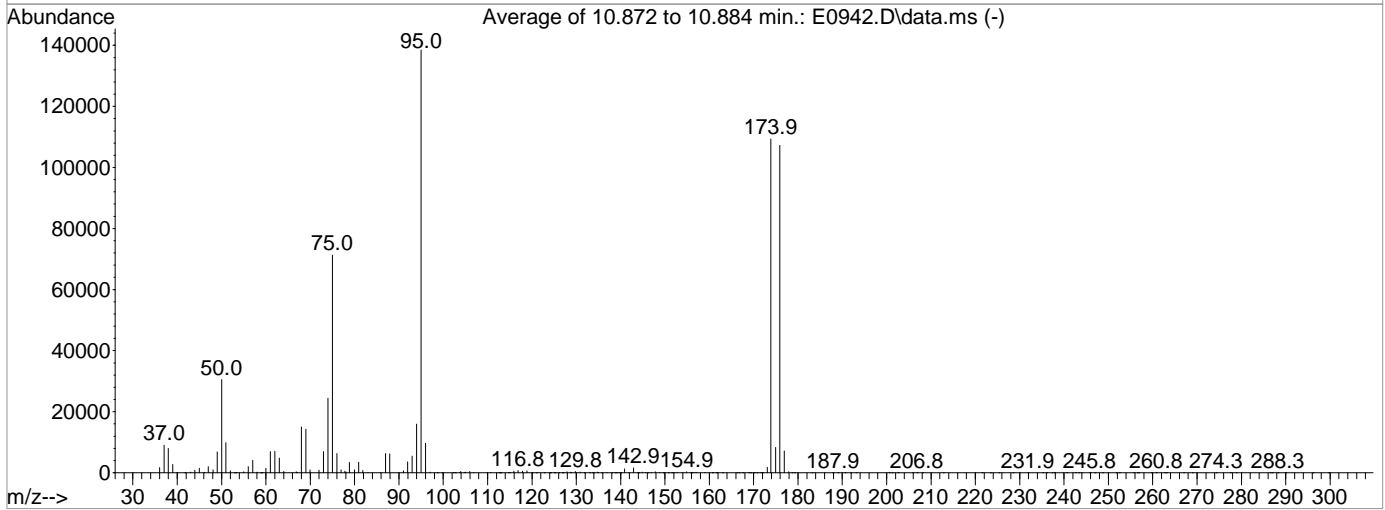
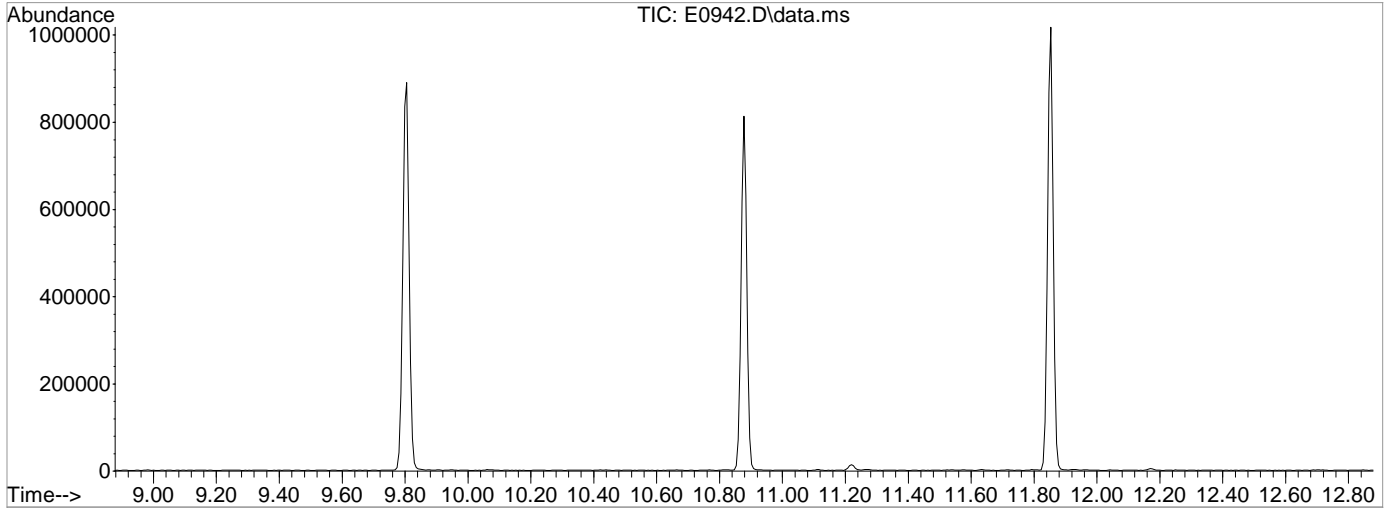
AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	21993	PASS
75	95	30	60	48.6	57568	PASS
95	95	100	100	100.0	118565	PASS
96	95	5	9	6.5	7688	PASS
173	174	0.00	2	0.7	700	PASS
174	95	50	120	85.0	100827	PASS
175	174	5	9	7.5	7519	PASS
176	174	95	101	96.5	97280	PASS
177	176	5	9	6.2	5998	PASS

Data Path : I:\ACQUDATA\msvoa10\data\050819\
Data File : E0942.D
Acq On : 8 May 2019 9:37 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



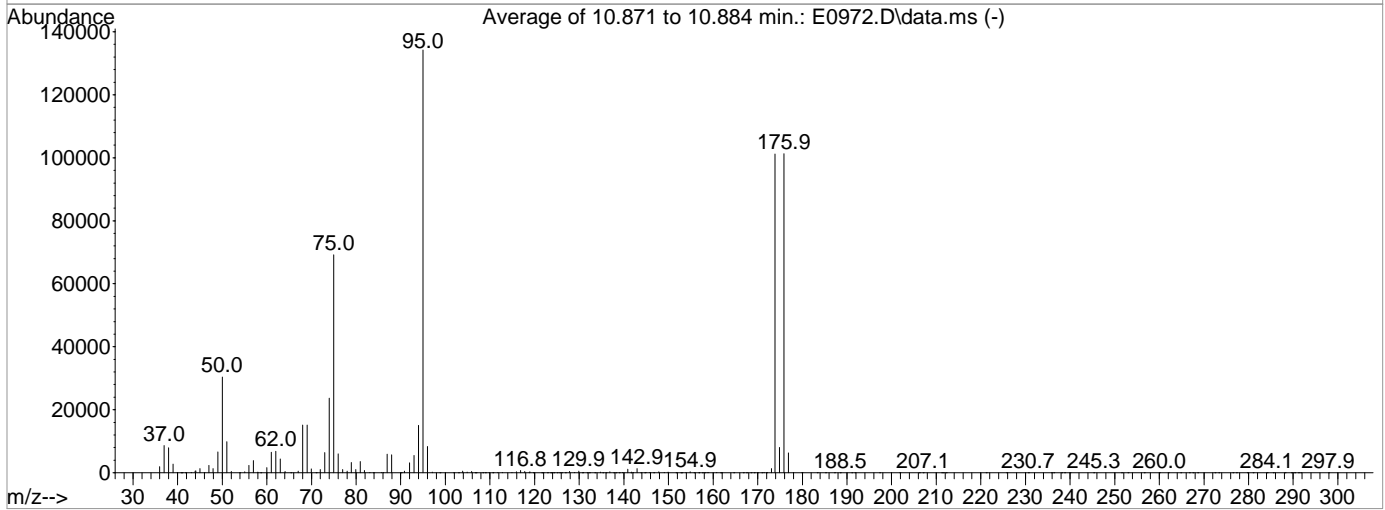
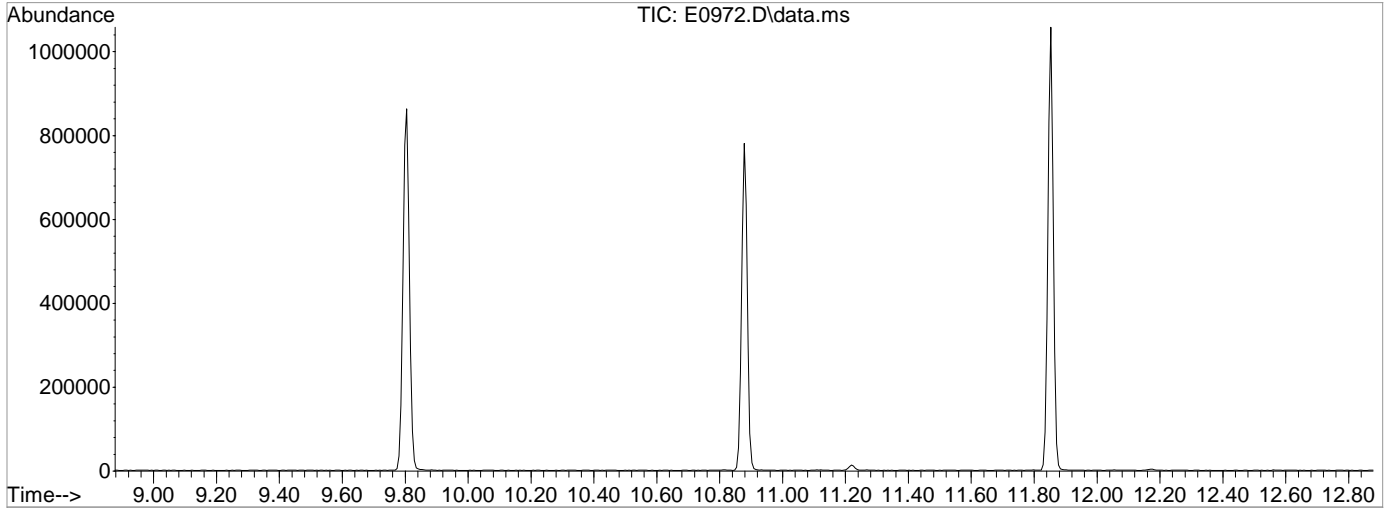
AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1595

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	30517	PASS
75	95	30	60	51.5	71293	PASS
95	95	100	100	100.0	138464	PASS
96	95	5	9	6.9	9617	PASS
173	174	0.00	2	1.6	1782	PASS
174	95	50	120	79.0	109336	PASS
175	174	5	9	7.6	8271	PASS
176	174	95	101	98.1	107281	PASS
177	176	5	9	6.7	7158	PASS

Data Path : I:\ACQUDATA\msvoa10\data\051019\
Data File : E0972.D
Acq On : 10 May 2019 9:15 am
Operator : D.LIPANI
Sample : TUNE CHECK Inst : MSVOA10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Title : MS#10 - 8260B WATERS 5.0mL Purge
Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	30413	PASS
75	95	30	60	51.5	69149	PASS
95	95	100	100	100.0	134213	PASS
96	95	5	9	6.2	8321	PASS
173	174	0.00	2	1.3	1365	PASS
174	95	50	120	75.4	101237	PASS
175	174	5	9	7.9	8029	PASS
176	174	95	101	100.0	101283	PASS
177	176	5	9	6.2	6329	PASS

Analysis: V 8ZGOC Analyst: P. Sigman
 Date: 04/30/19 Balance ID:
 Instr: MS#10 50 mL Class A used for dilution FV
 pH strips: Hyd. 204018
 ResCl strips:
 Syringes: 181117
 Tune Method: W041819.M → W043019.M
 Run Method:
 LIMS Run#: -ICAL-

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	High Gases		(switched to fil #1)					E0677	Y	
2-3	BIKS							78	Y	
4	Tune Check		(Run at a BIK)					79	Y	
5	CCV		(switched back to fil #2)					E0681	N	- gases too high
6	BIK							82	O.K.	
7	Tune Check							83	Y	
8	CCV		→ recalibrate					84	N	- gases ↓
9	BIK							85	Y	
10	Tune Check							86	N	- tune good but wrong "U" used
11	Tune Check							87	Y	
12	INST BIK							88	Y	
13	INST BIK							89	Y	
14	STD #1 - 0.5 ppb	5.0 ppm	10 TG 10 HSL 1 Frt 100CC	Final Vol. 500	500	500		E0690	Y	
15	#2 - 1.0 ppb	5.0 ml		50ml				91	Y	
16	#3 - 2.0 ppb	10 ml						92	Y	
17	#4 - 5.0 ppb	20 ml						93	Y	
18	#5 - 20 ppb	50 ml						94	Y	
19	#6 - 50 ppb		2.0 ml					95	Y	
20	#7 - 100 ppb		5.0 ml					96	Y	
21	#8 - 150 ppb		10 ml					97	Y	
22	#9 - 200 ppb							98	Y	
23	BIK							99	N	
24	BIK							E0700	N	
25	BIK							01	O.K.	
26	ICV-50							02	Y	
27-30	BIKS							03-12	Y	

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged
 Secondary TG 198847 5.0 ml
 Secondary HSL 198593
 Secondary OCC 198044
 Secondary Frt 198689 12.5 ml
 Secondary
 = "Mini" 5.0"

Combined IS/Surr
 Surrogate 50 : 198348
 Internal Std 50 : 198349
 Reagents:
 50ml DI
 = ICV 50

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/30/19 12:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\043019\E0687.D
Instrument ID: R-MS-10

Analytical Method: 8260C/624.1

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	24.3	31068	PASS
75	95	30	60	52.9	67784	PASS
95	95	100	100	100.0	128045	PASS
96	95	5	9	6.4	8131	PASS
173	174	0	2	1.9	1857	PASS
174	95	50	120	77.7	99512	PASS
175	174	5	9	8.2	8169	PASS
176	174	95	101	95.9	95475	PASS
177	176	5	9	6.2	5885	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
INST BLK	INST BLK	I:\ACQUDATA\msvoa10\data\043019\E0689.D	4/30/19 13:38
STD #1-0.5 PPB	STD #1-0.5 PPB	I:\ACQUDATA\msvoa10\data\043019\E0690.D	4/30/19 14:12
STD #2-1.0 PPB	STD #2-1.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0691.D	4/30/19 14:50
STD #3-2.0 PPB	STD #3-2.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0692.D	4/30/19 15:12
STD #4-5.0 PPB	STD #4-5.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0693.D	4/30/19 15:34
STD #5-20 PPB	STD #5-20 PPB	I:\ACQUDATA\msvoa10\data\043019\E0694.D	4/30/19 15:56
STD #6-50 PPB	STD #6-50 PPB	I:\ACQUDATA\msvoa10\data\043019\E0695.D	4/30/19 16:18
STD #7-100 PPB	STD #7-100 PPB	I:\ACQUDATA\msvoa10\data\043019\E0696.D	4/30/19 16:40
STD #8-150 PPB	STD #8-150 PPB	I:\ACQUDATA\msvoa10\data\043019\E0697.D	4/30/19 17:02
STD #9-200 PPB	STD #9-200 PPB	I:\ACQUDATA\msvoa10\data\043019\E0698.D	4/30/19 17:24
ICV-50	ICV-50	I:\ACQUDATA\msvoa10\data\043019\E0702.D	4/30/19 18:53

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5222.D
 Acq On : 26 Mar 2019 5:20 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	285840	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.937	114	421016	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	369164	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.735	152	202827	50.00	ug/L	0.00	
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	141224	50.34	ug/L	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.68%		
47) surr1,1,2-dichloroetha...	5.120	65	164859	50.14	ug/L	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	100.28%		
64) SURR3,Toluene-d8	7.943	98	555566	49.61	ug/L	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	99.22%		
69) SURR2,BFB	10.723	95	213309	49.19	ug/L	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	98.38%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.042	85	193649	57.85	ug/L		99
3) Chloromethane	1.152	50	188294	50.23	ug/L		96
4) Vinyl Chloride	1.219	62	187042	55.31	ug/L		99
5) Bromomethane	1.408	94	87822m	46.01	ug/L		
6) Chloroethane	1.475	64	95801	48.32	ug/L		97
7) Freon 21	1.603	67	247002	51.69	ug/L		99
8) Trichlorofluoromethane	1.645	101	214504	56.65	ug/L		100
9) Diethyl Ether	1.847	59	136259	50.92	ug/L		99
10) Freon 123a	1.847	67	162640	54.91	ug/L		96
11) Freon 123	1.889	83	207870	61.55	ug/L		99
12) Acrolein	1.932	56	73264	99.53	ug/L		99
13) 1,1-Dicethene	2.005	96	134951	56.52	ug/L		98
14) Freon 113	2.011	101	126838	58.60	ug/L		99
15) Acetone	2.042	43	69017	49.40	ug/L		99
16) 2-Propanol	2.164	45	327623	1054.10	ug/L		99
17) Iodomethane	2.115	142	181506	52.20	ug/L		100
18) Carbon Disulfide	2.170	76	363818	57.57	ug/L		99
19) Acetonitrile	2.255	40	78209m	278.75	ug/L		
20) Allyl Chloride	2.292	76	78125	56.70	ug/L		96
21) Methyl Acetate	2.310	43	151739	52.24	ug/L		97
22) Methylene Chloride	2.389	84	149331	49.07	ug/L		99
23) TBA	2.511	59	553580	1061.29	ug/L		99
24) Acrylonitrile	2.602	53	415248	256.60	ug/L		99
25) Methyl-t-Butyl Ether	2.657	73	477060	52.49	ug/L		99
26) trans-1,2-Dichloroethene	2.639	96	144309	53.96	ug/L		99
27) 1,1-Dicethane	3.066	63	263679	53.71	ug/L		99
28) Vinyl Acetate	3.151	86	38240	60.46	ug/L	#	92
29) DIPE	3.182	45	424125	50.41	ug/L		100
30) 2-Chloro-1,3-Butadiene	3.176	53	181288	56.06	ug/L		98
31) ETBE	3.639	59	378579	47.19	ug/L		99
32) 2,2-Dichloropropane	3.779	77	207081	57.11	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	161440	52.35	ug/L		100
34) 2-Butanone	3.828	43	103430	49.81	ug/L		92
35) Propionitrile	3.889	54	175152	262.58	ug/L		100
36) Bromochloromethane	4.120	130	103235	48.70	ug/L		97
37) Methacrylonitrile	4.120	67	86794	52.15	ug/L		97
38) Tetrahydrofuran	4.206	42	67902	49.72	ug/L		100
39) Chloroform	4.279	83	251168	51.82	ug/L		98
40) 1,1,1-Trichloroethane	4.547	97	215274	56.69	ug/L		95

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5222.D
 Acq On : 26 Mar 2019 5:20 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 30 14:51:07 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	409690	51.56	ug/L	98
43) Cyclohexane	4.645	41	119427	56.11	ug/L	99
45) Carbontetrachloride	4.840	117	168193	56.45	ug/L	99
46) 1,1-Dichloropropene	4.852	75	196140	58.06	ug/L	99
48) Benzene	5.218	78	578899	52.10	ug/L	99
49) 1,2-Dichloroethane	5.260	62	197248	50.03	ug/L	99
50) Iso-Butyl Alcohol	5.260	43	226277	1054.36	ug/L	95
51) n-Heptane	5.803	43	165542	60.06	ug/L	95
52) 1-Butanol	6.376	56	366054	2553.80	ug/L	99
53) Trichloroethene	6.303	130	161339	53.21	ug/L	99
54) Methylcyclohexane	6.565	55	171757	57.89	ug/L	94
55) 1,2-Diclpropane	6.608	63	156724	51.96	ug/L	98
56) Dibromomethane	6.760	93	98892	49.16	ug/L	94
57) 1,4-Dioxane	6.852	88	68365	1051.97	ug/L	97
58) Methyl Methacrylate	6.888	69	140326	54.08	ug/L	97
59) Bromodichloromethane	7.022	83	180166	51.37	ug/L	98
60) 2-Nitropropane	7.333	41	78244	102.27	ug/L	95
61) 2-Chloroethylvinyl Ether	7.486	63	33055	51.65	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	245016	52.95	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	187075	51.43	ug/L	99
65) Toluene	8.022	91	621997	52.39	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	220868	53.78	ug/L	98
67) Ethyl Methacrylate	8.504	69	238768	57.89	ug/L	99
68) 1,1,2-Trichloroethane	8.528	97	146340	48.86	ug/L	98
71) Tetrachloroethene	8.668	164	123277	51.42	ug/L	93
72) 2-Hexanone	8.863	43	139805	51.99	ug/L	97
73) 1,3-Dichloropropane	8.711	76	255401	50.49	ug/L	98
74) Dibromochloromethane	8.961	129	141060	50.97	ug/L	97
75) N-Butyl Acetate	9.052	43	279827	56.14	ug/L	99
76) 1,2-Dibromoethane	9.059	107	153186	50.51	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	208591	54.92	ug/L	99
78) Chlorobenzene	9.607	112	400029	51.13	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	186355	54.17	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.705	131	138854	54.43	ug/L	98
81) Ethylbenzene	9.741	106	221478	55.71	ug/L	100
82) (m+p)Xylene	9.869	106	533395	108.44	ug/L	98
83) o-Xylene	10.247	106	260826	53.60	ug/L	99
84) Styrene	10.259	104	440264	53.32	ug/L	99
85) Bromoform	10.406	173	93193	51.13	ug/L	100
86) 2-Chlorobenzotrifluoride	10.509	180	200962	52.53	ug/L	100
87) Isopropylbenzene	10.607	105	671612	55.88	ug/L	99
88) Cyclohexanone	10.656	55	723801	1032.31	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	53025	54.46	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.875	83	214650	50.30	ug/L	99
92) Bromobenzene	10.845	156	174305	49.49	ug/L	97
93) 1,2,3-Trichloropropane	10.900	110	70282	47.75	ug/L	96
94) n-Propylbenzene	10.979	91	774023	55.64	ug/L	99
95) 2-Chlorotoluene	11.034	91	458087	52.55	ug/L	99
96) 3-Chlorotoluene	11.089	91	428742	50.29	ug/L	99
97) 4-Chlorotoluene	11.131	91	519988	51.70	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	549483	55.05	ug/L	99
99) tert-Butylbenzene	11.418	119	474448	54.90	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	556778	55.11	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.528	214	159745	52.77	ug/L	99
102) sec-Butylbenzene	11.607	105	697170	56.46	ug/L	100
103) p-Isopropyltoluene	11.735	119	582233	55.43	ug/L	100

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5222.D
 Acq On : 26 Mar 2019 5:20 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:51:07 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

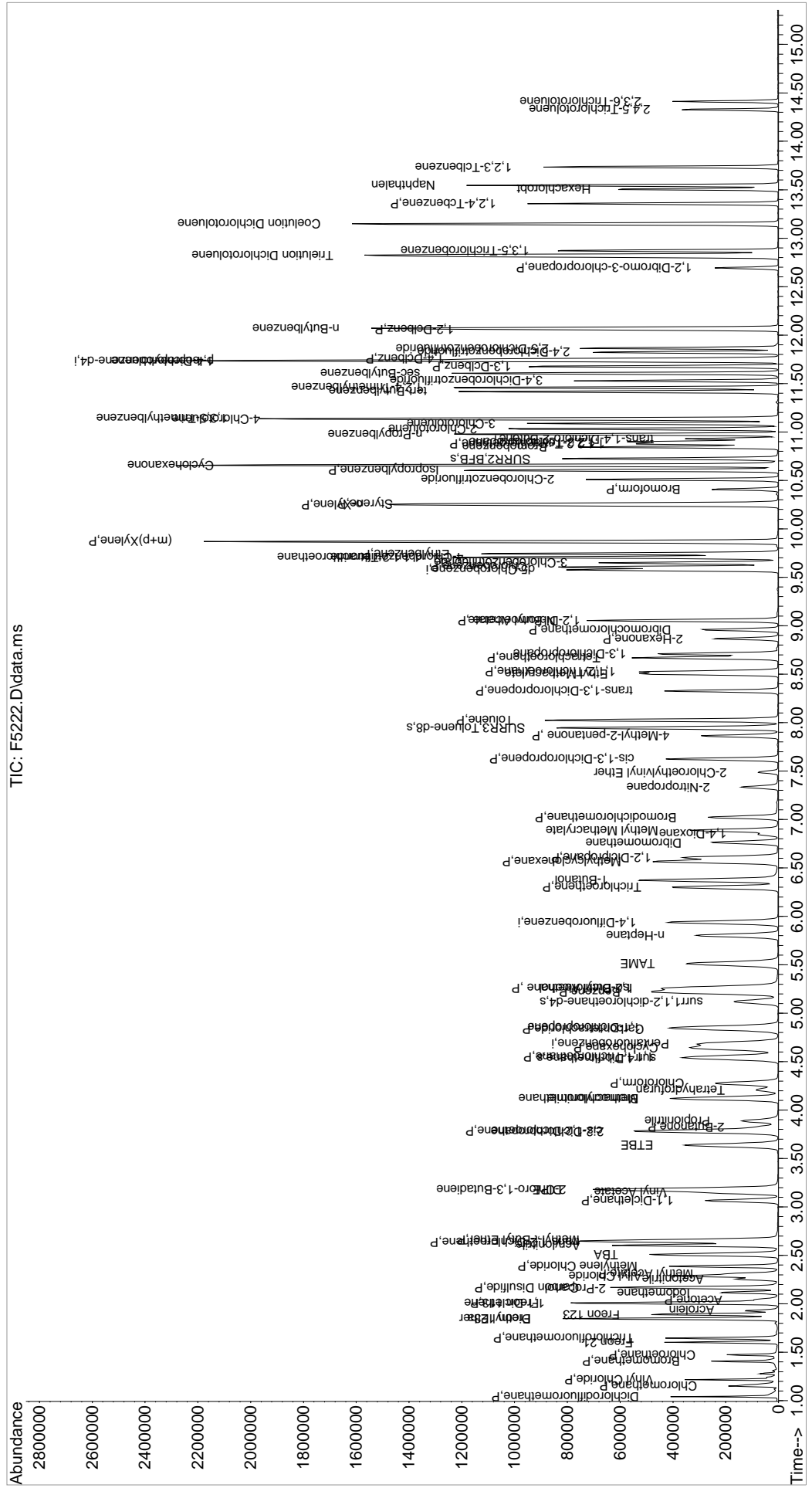
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	317404	49.80	ug/L	100
105) 1,4-Dclbenz	11.753	146	320146	47.81	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	143739	52.61	ug/L	98
107) 2,5-Dichlorobenzotrifl...	11.863	214	162488	51.86	ug/L	95
108) n-Butylbenzene	12.070	91	523893	56.62	ug/L	96
109) 1,2-Dclbenz	12.058	146	313507	48.44	ug/L	100
110) 1,2-Dibromo-3-chloropr...	12.698	157	51811	50.24	ug/L	91
111) Trielution Dichlorotol...	12.826	125	750386	159.96	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	213271	51.29	ug/L	100
113) Coelution Dichlorotoluene	13.149	125	543287	107.92	ug/L	100
114) 1,2,4-Tcbenzene	13.356	180	224648	50.70	ug/L	97
115) Hexachlorobt	13.509	225	96670	51.82	ug/L	98
116) Naphthalen	13.545	128	686404	50.65	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	215613	49.72	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	76421	60.60	ug/L	97
119) 2,3,6-Trichlorotoluene	14.411	159	71689	51.13	ug/L	97

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

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
 Data File : F5222.D
 Acq On : 26 Mar 2019 5:20 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

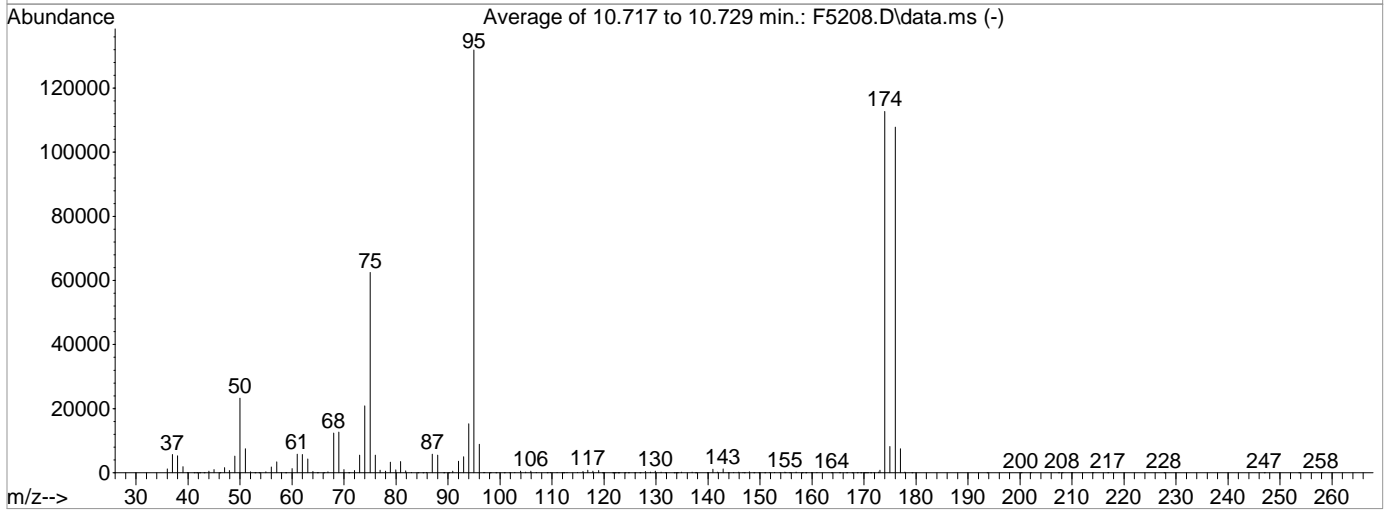
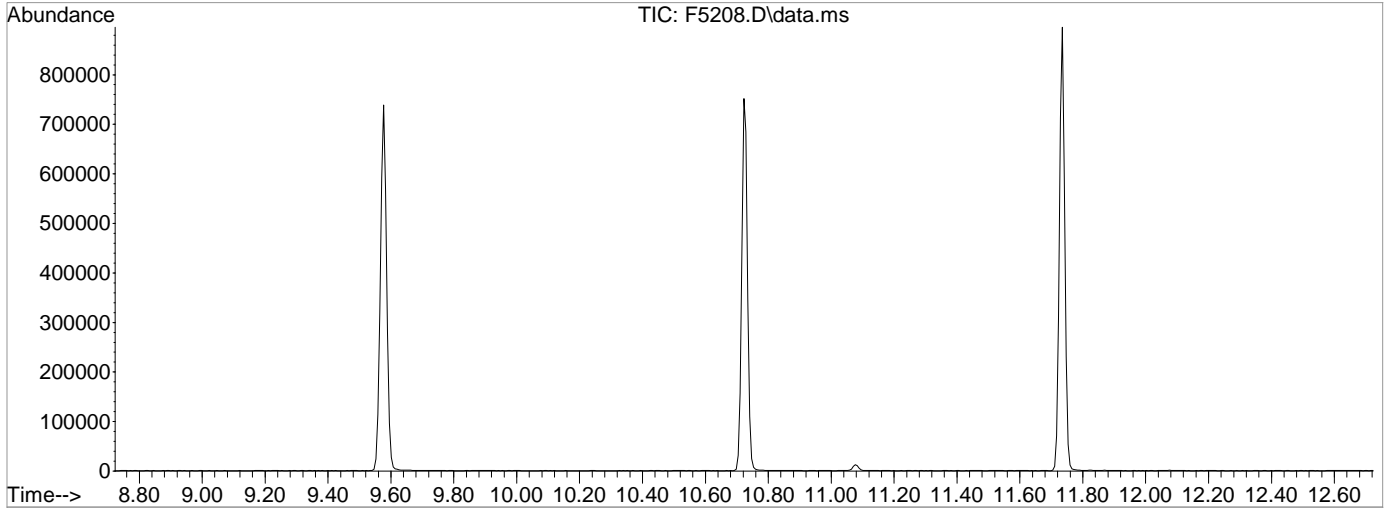
Quant Time: Mar 30 14:51:07 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5208.D
Acq On : 26 Mar 2019 11:02 am
Operator : F.NAEGLER
Sample : TUNE
Misc :
ALS Vial : 3 Sample Multiplier: 1
Inst : MSVOA14

Integration File: CPD4.P

Method : C:\msdchem\1\METHODS\W032619.m
Title : MS#14 - 8260 WATERS 5mL Purge
Last Update : Tue Mar 26 16:08:17 2019



AutoFind: Scans 1596, 1597, 1598; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.6	23237	PASS
75	95	30	60	47.4	62467	PASS
95	95	100	100	100.0	131880	PASS
96	95	5	9	6.7	8865	PASS
173	174	0.00	2	0.7	755	PASS
174	95	50	120	85.5	112733	PASS
175	174	5	9	7.3	8187	PASS
176	174	95	101	95.7	107848	PASS
177	176	5	9	6.9	7451	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5209.D
 Acq On : 26 Mar 2019 11:47 am
 Operator : F.NAEGLER
 Sample : ICAL BLK Inst : MSVOA14
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:49:15 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 16:08:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	263872	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	400844	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.576	117	348408	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179807	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.529	113	131361	49.18	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	98.36%	
47) surr1,1,2-dichloroetha...	5.114	65	155139	49.56	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	99.12%	
64) SURR3,Toluene-d8	7.943	98	538730	50.53	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.06%	
69) SURR2,BFB	10.723	95	200123	48.47	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	96.94%	
Target Compounds						
5) Bromomethane	1.413	94	374	Below Cal	Qvalue #	76
15) Acetone	2.041	43	501	0.39 ug/L		96

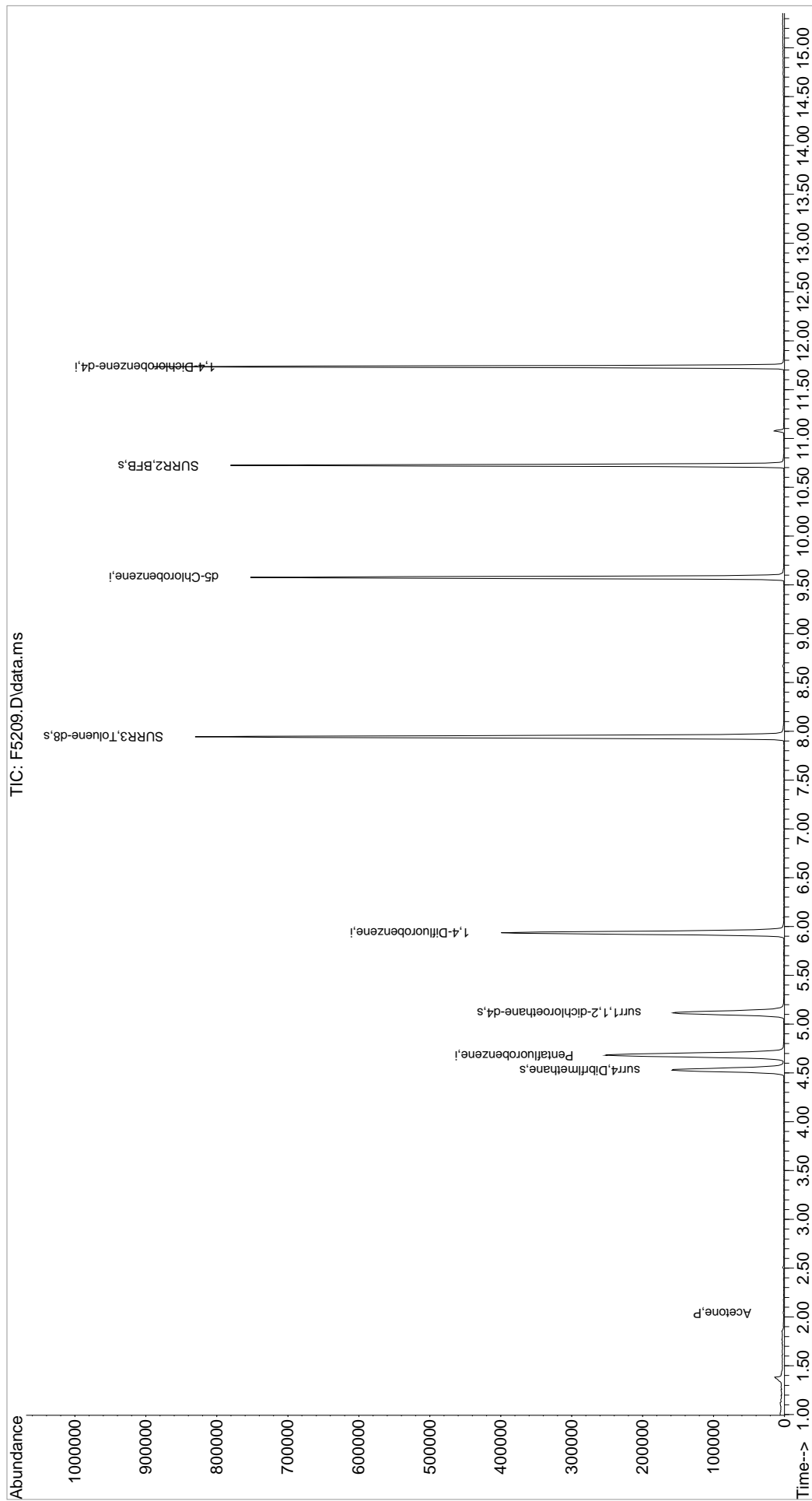
(#) = qualifier out of range (m) = manual integration (+) = signals summed

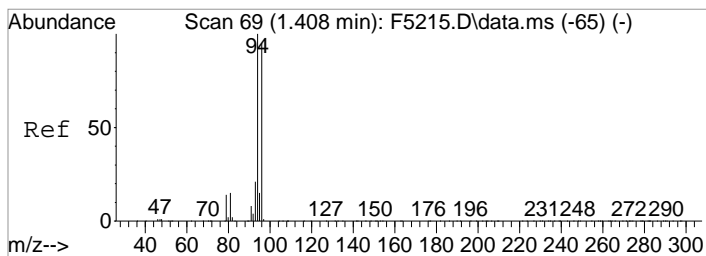
Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
Data File : F5209.D
Acq On : 26 Mar 2019 11:47 am
Operator : F.NAEGLER
Sample : ICAL BLK
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA14

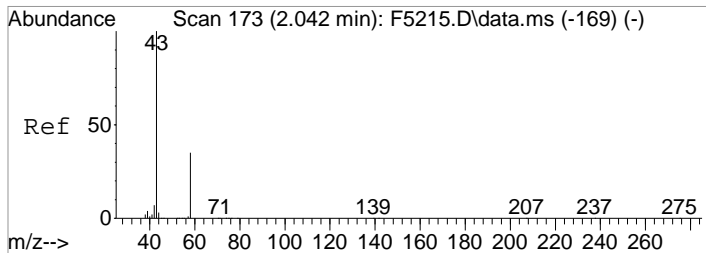
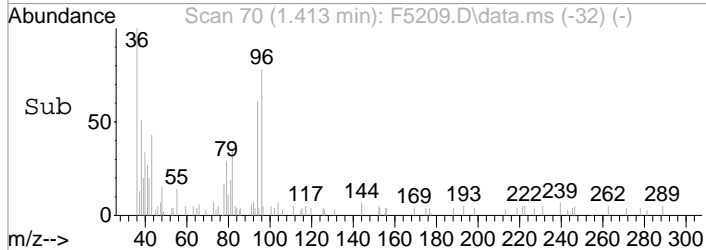
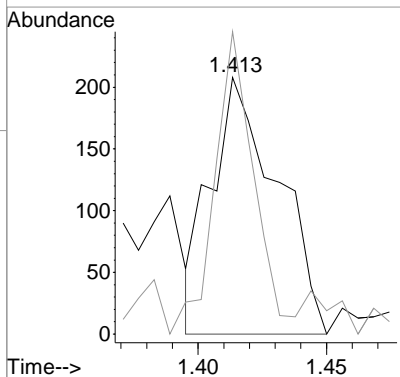
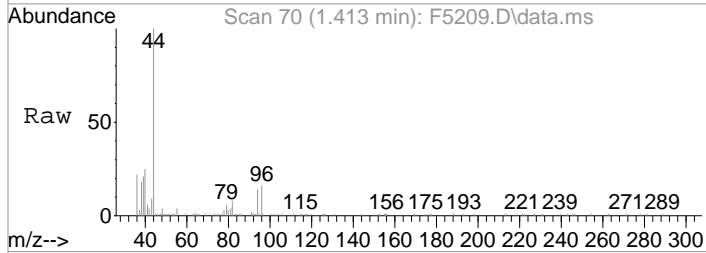
Quant Time: Mar 30 14:49:15 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration





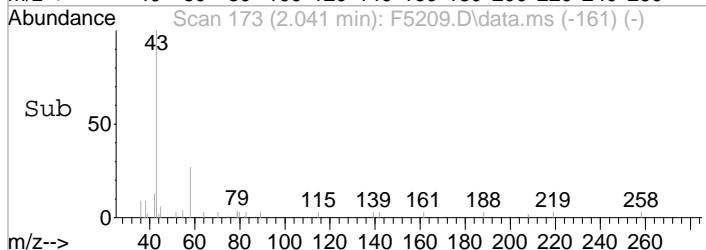
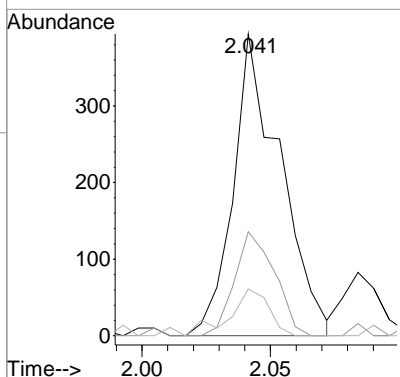
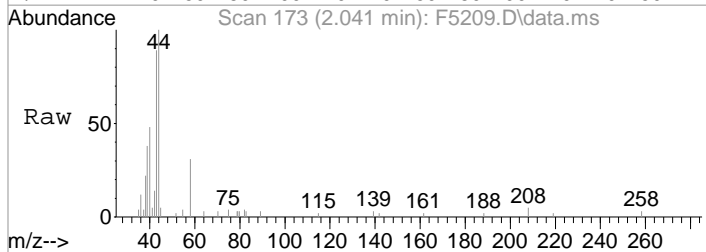
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.413 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: F5209.D
 Acq: 26 Mar 2019 11:47 am

Tgt Ion	Resp	Lower	Upper
94	100		
96	117.8	74.5	114.5#



#15
 Acetone
 Concen: 0.39 ug/L
 RT: 2.041 min Scan# 173
 Delta R.T. 0.000 min
 Lab File: F5209.D
 Acq: 26 Mar 2019 11:47 am

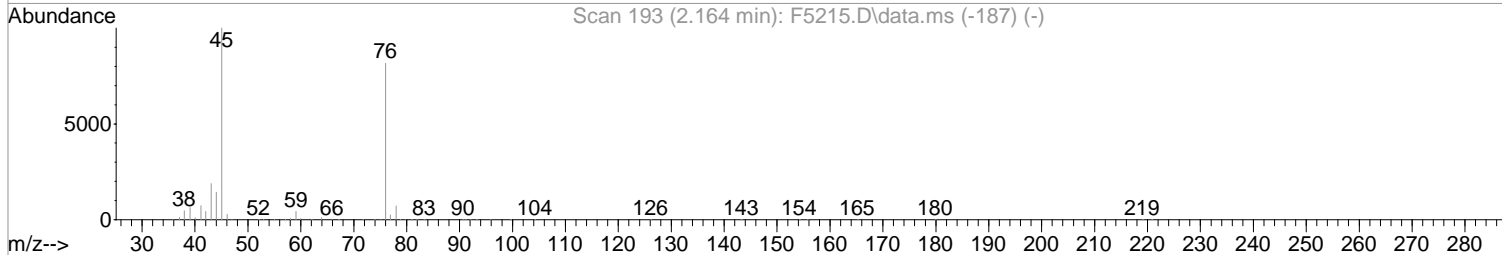
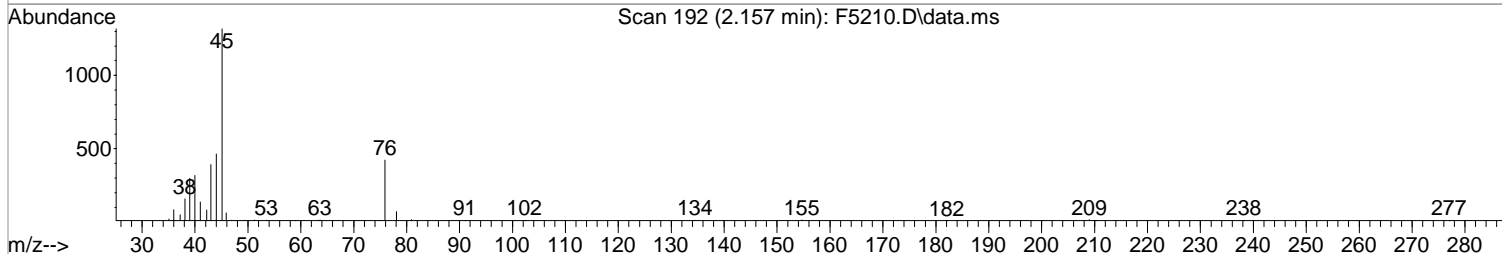
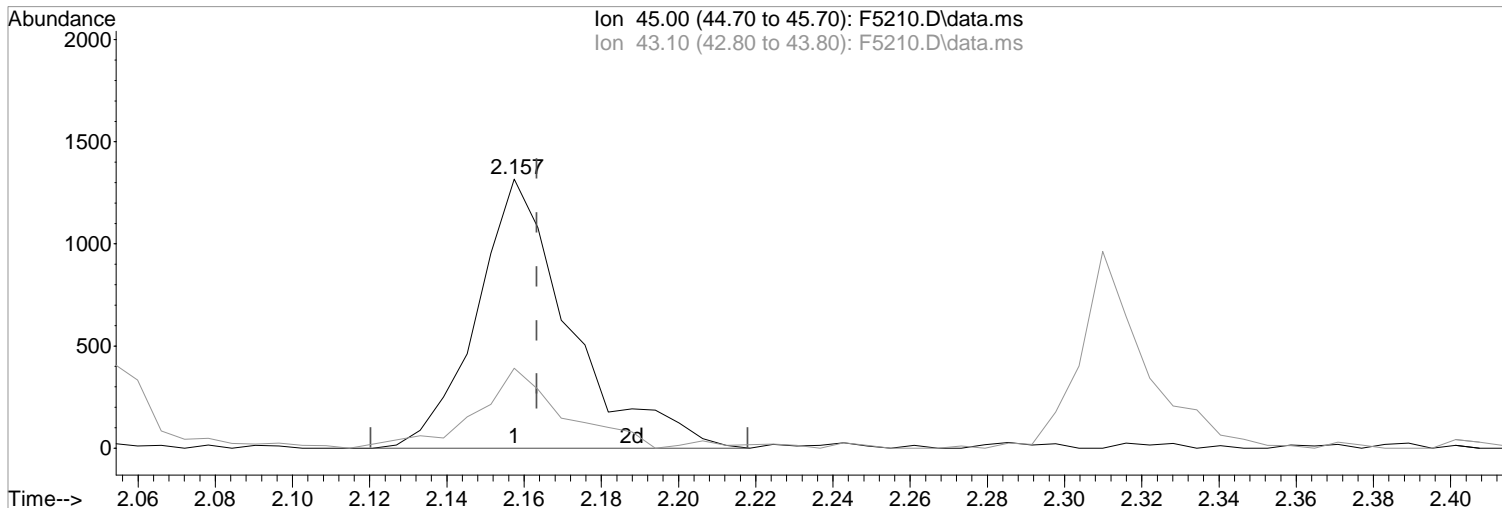
Tgt Ion	Resp	Lower	Upper
43	100		
58	34.5	14.7	54.7
42	15.5	0.0	27.4



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



(16) 2-Propanol
2.157min (-0.006) 10.23 ug/L m
response 2208

Manual Integration:
After
Poor integration.

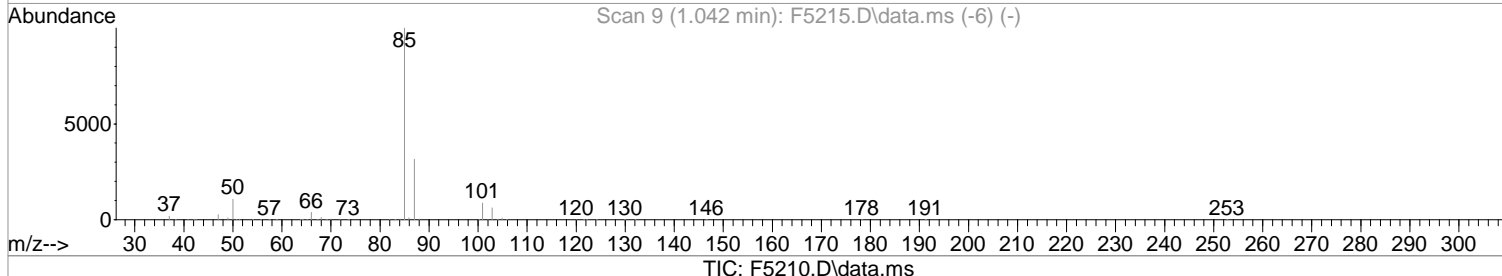
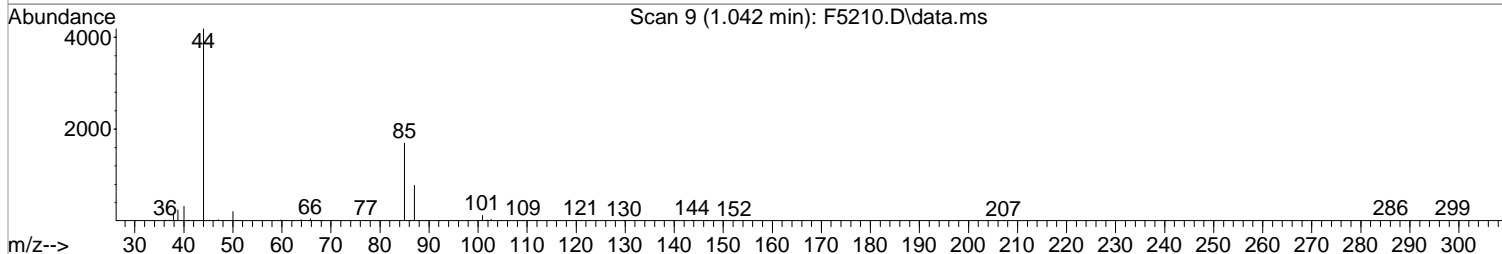
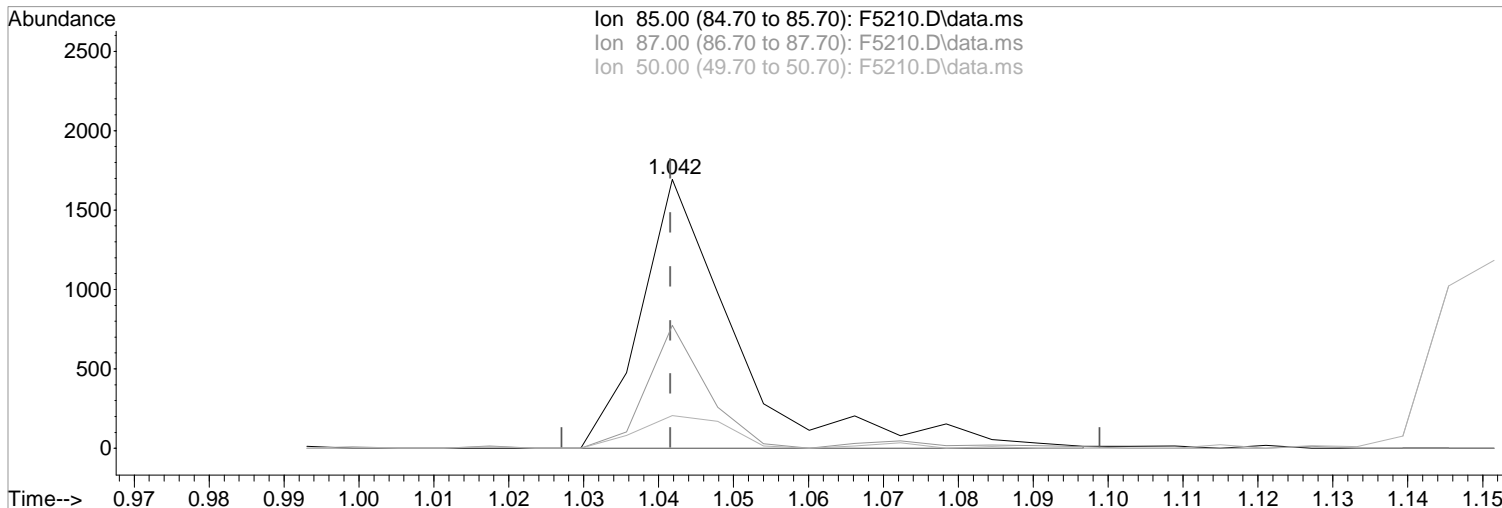
Ion	Exp%	Act%
45.00	100	100
43.10	22.20	29.76
0.00	0.00	0.00
0.00	0.00	0.00

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5210.D
 Acq On : 26 Mar 2019 12:53 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Feb 26 15:29:19 2019
 Response via : Initial Calibration



TIC: F5210.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 0.41 ug/L m
 response 1491

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	45.69
50.00	14.00	12.16
0.00	0.00	0.00

Manual Integration:

After

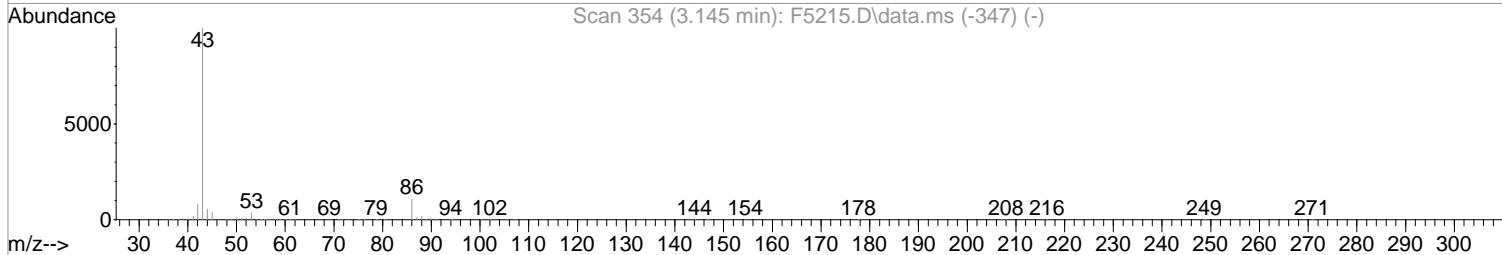
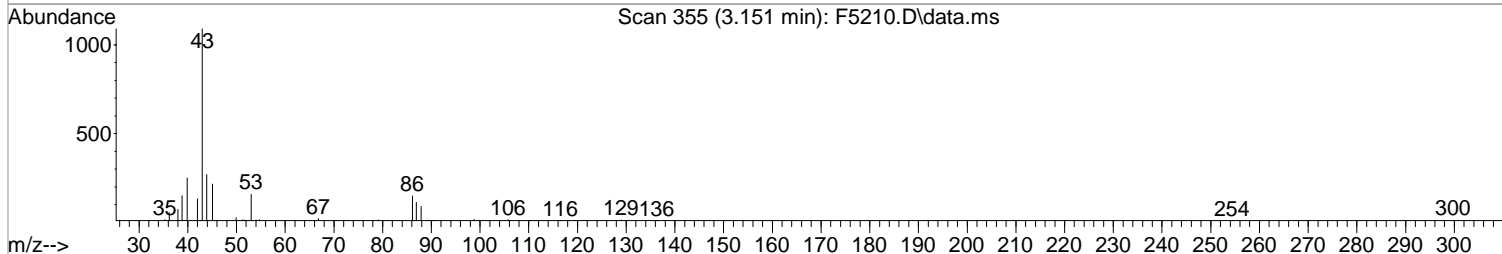
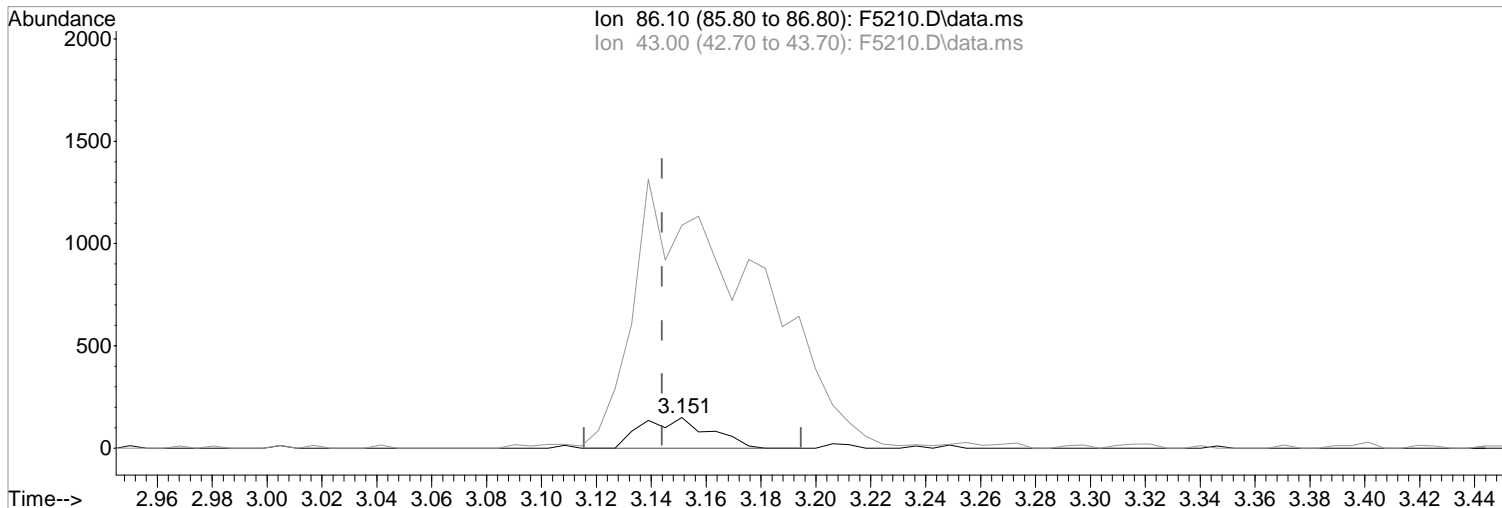
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(28) Vinyl Acetate
3.151min (+0.007) 0.46 ug/L m
response 255

Manual Integration:
After
Peak not found.

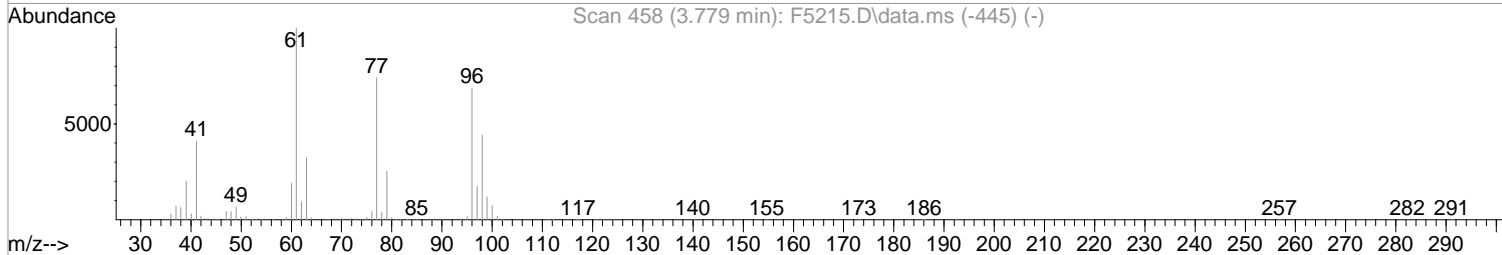
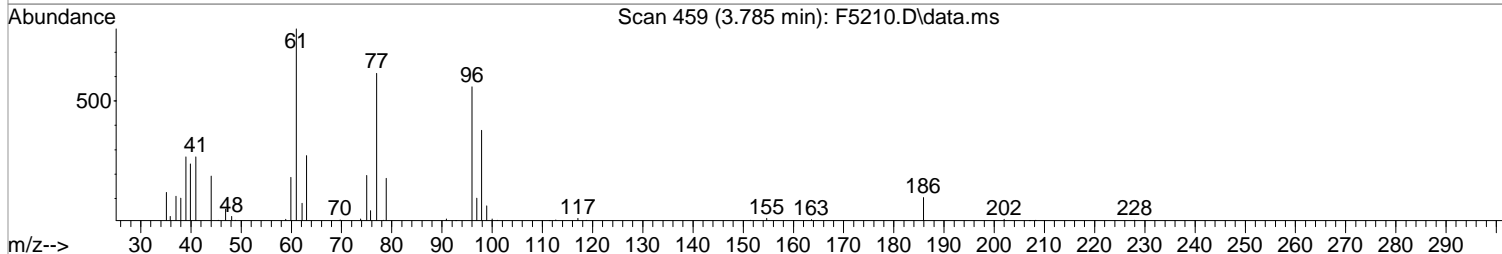
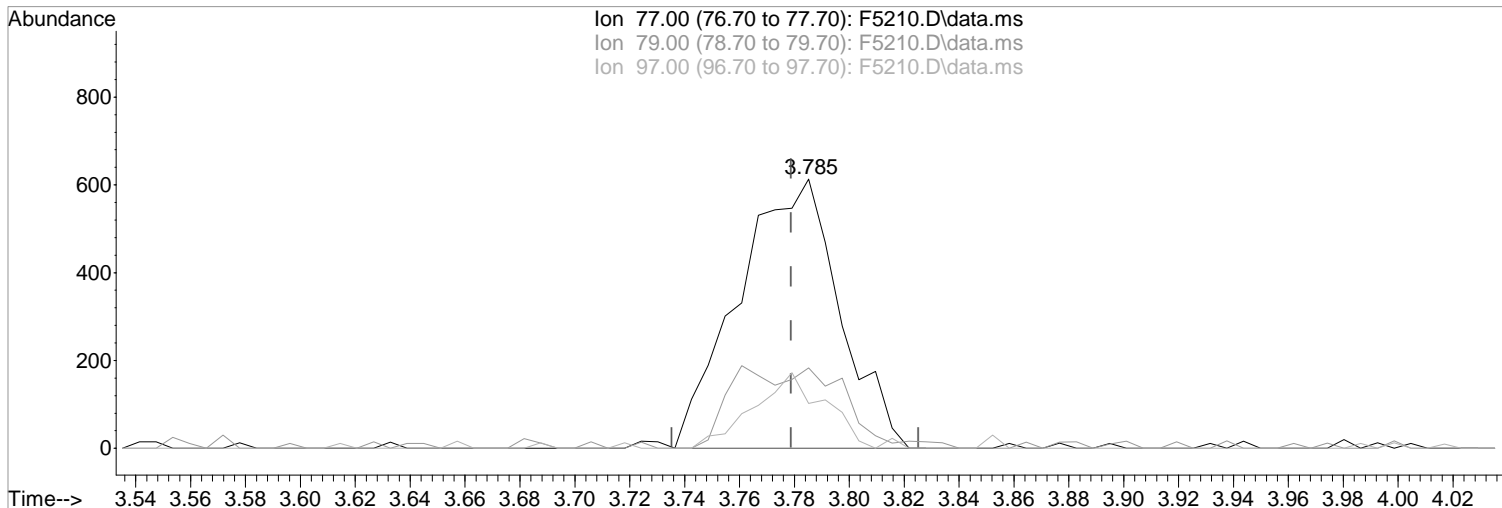
Ion	Exp%	Act%
86.10	100	100
43.00	1004.50	731.54#
0.00	0.00	0.00
0.00	0.00	0.00

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(32) 2,2-Dichloropropane
3.785min (+0.006) 0.46 ug/L m
response 1570

Manual Integration:

After

Poor integration.

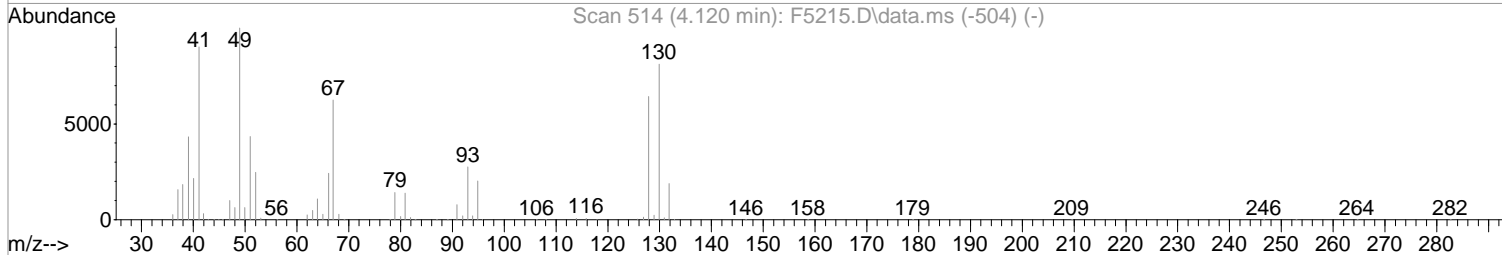
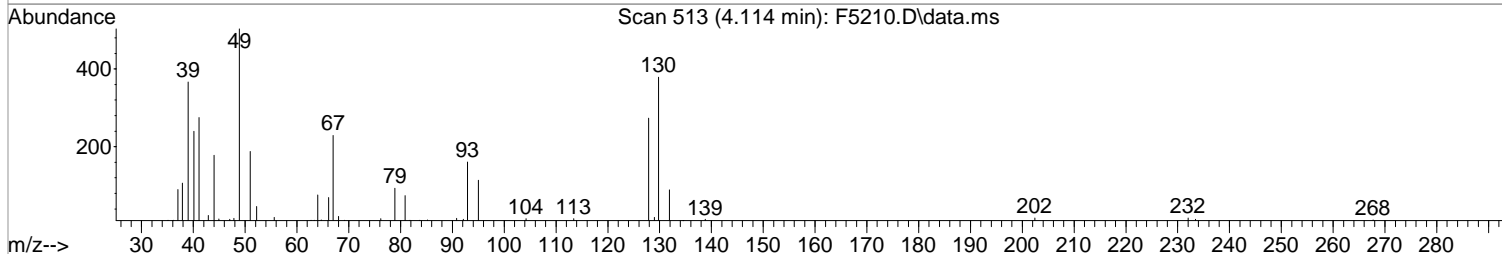
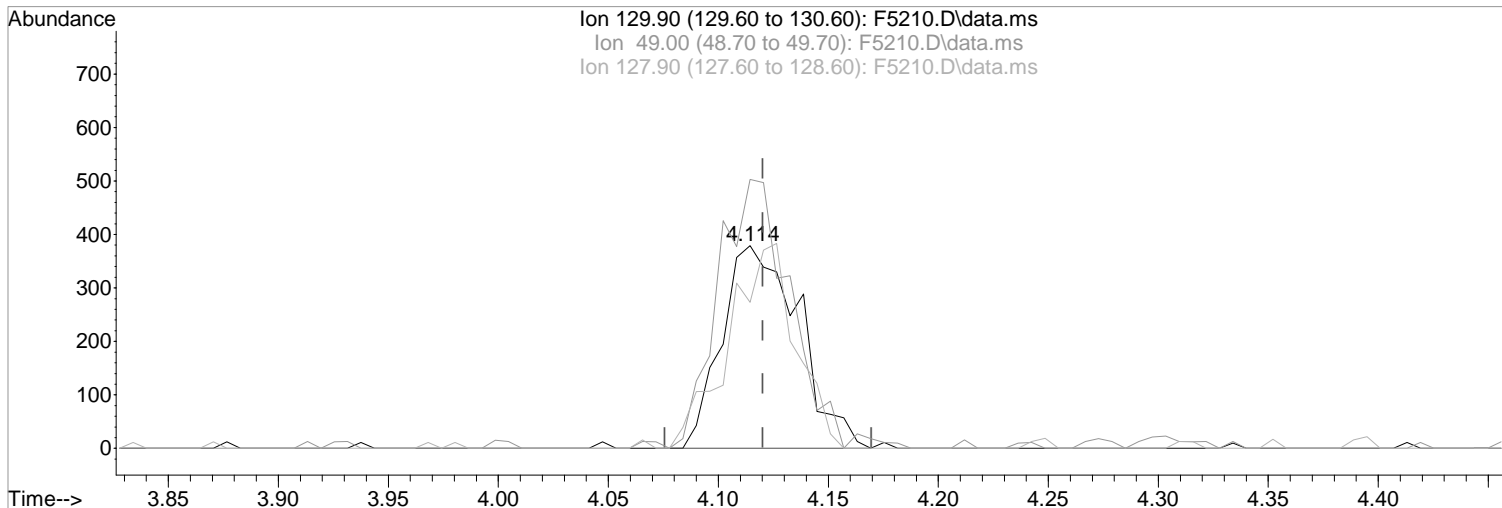
04/01/19

Ion	Exp%	Act%
77.00	100	100
79.00	30.20	29.85
97.00	24.20	16.64
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(36) Bromochloromethane

4.114min (-0.006) 0.50 ug/L m
response 927

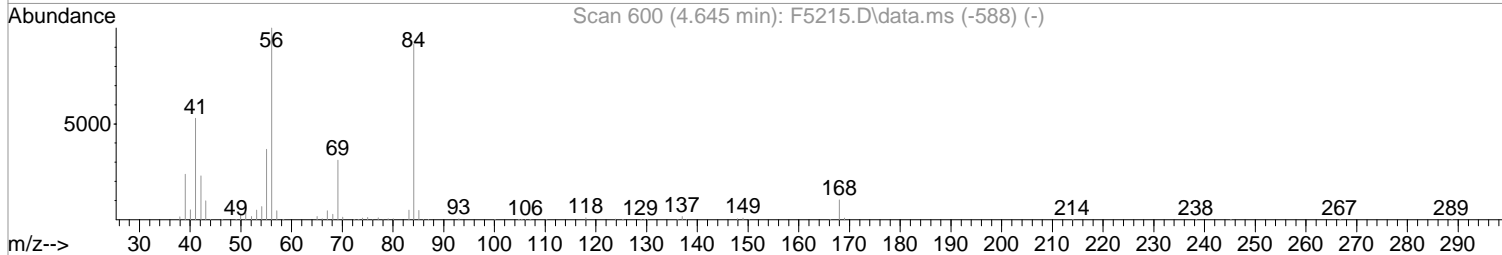
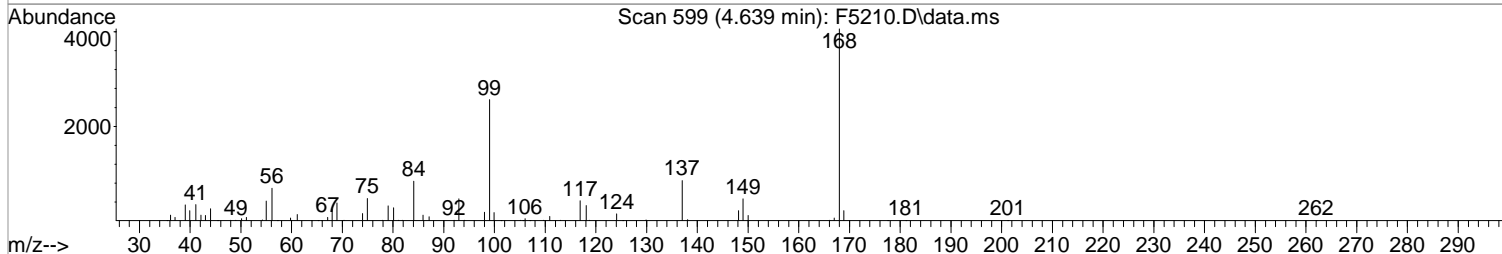
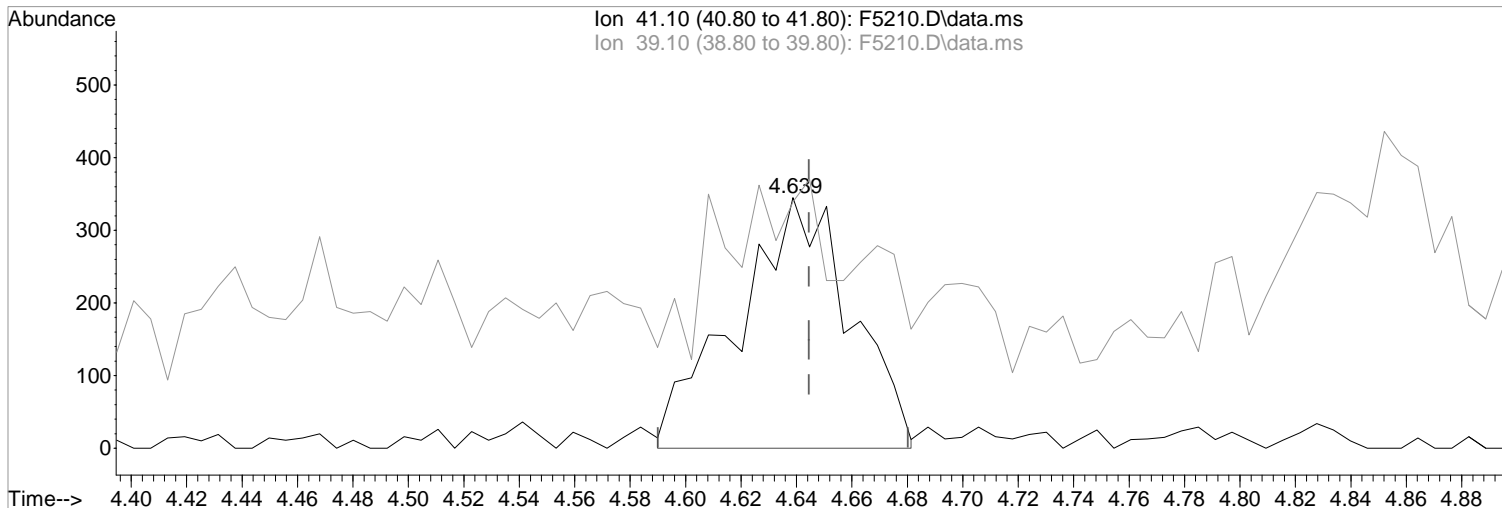
Ion	Exp%	Act%
129.90	100	100
49.00	125.30	132.72
127.90	73.80	72.03
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



(43) Cyclohexane (P)

4.639min (-0.006) 0.53 ug/L m

response 983

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	98.26#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

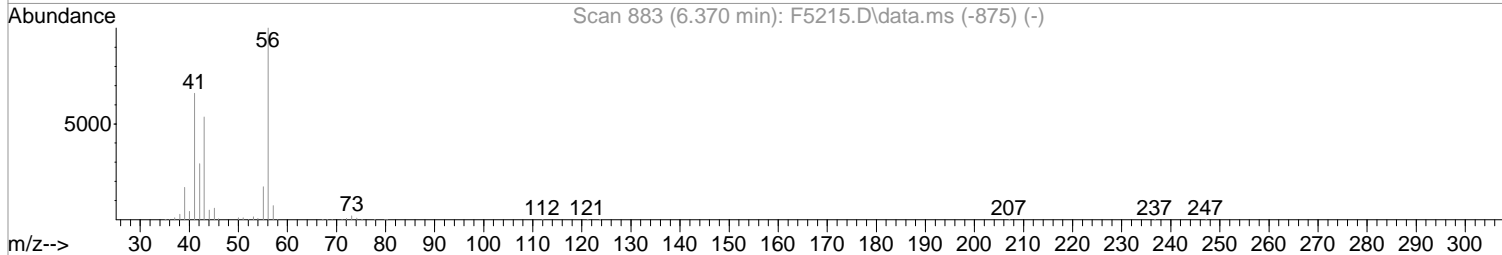
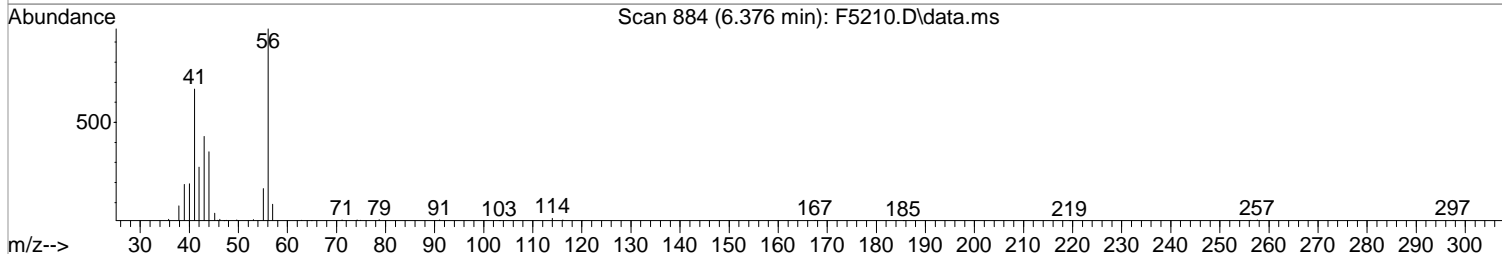
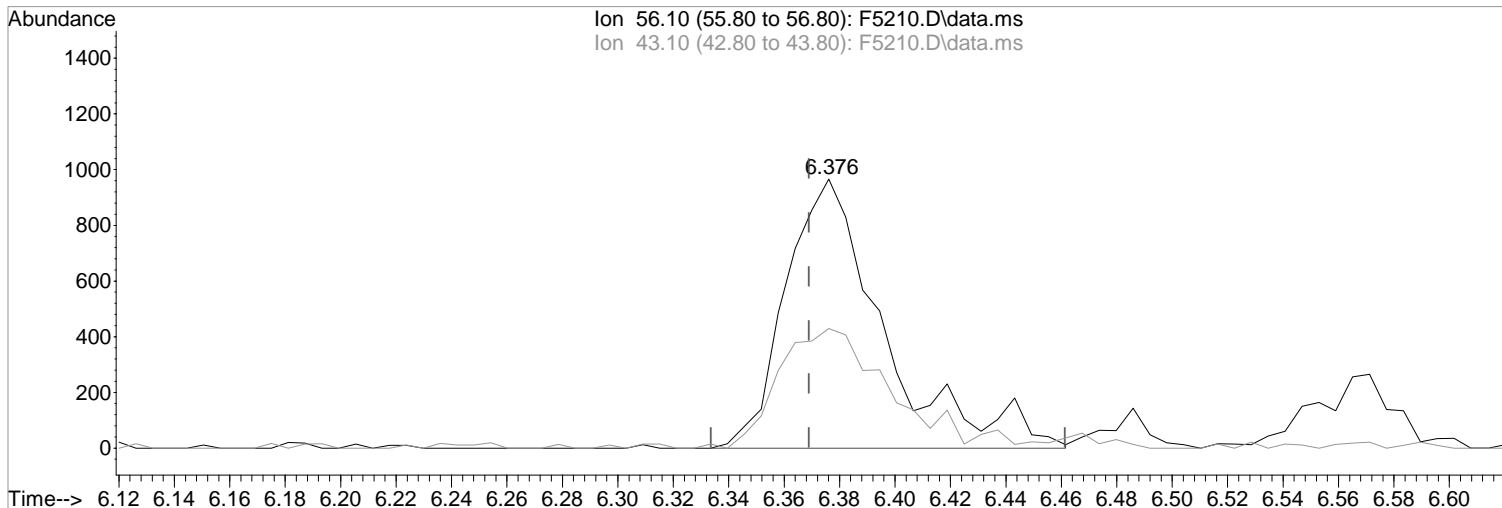
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(52) 1-Butanol
6.376min (+0.007) 20.42 ug/L m
response 2373

Manual Integration:

After

Poor integration.

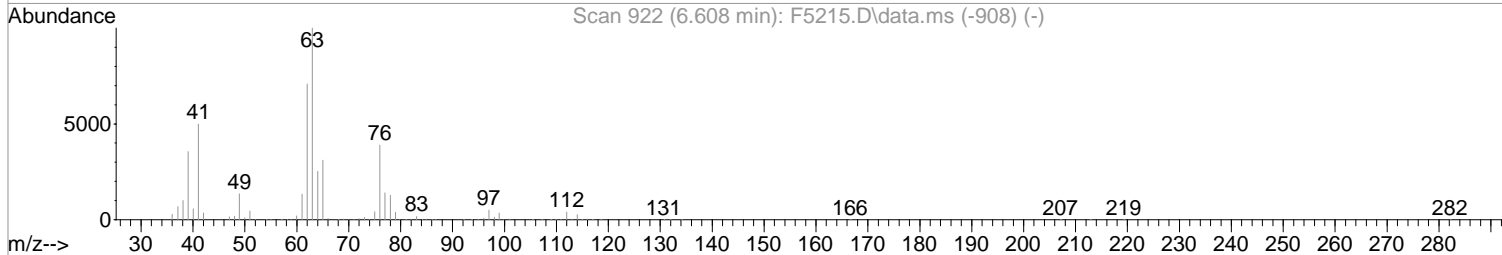
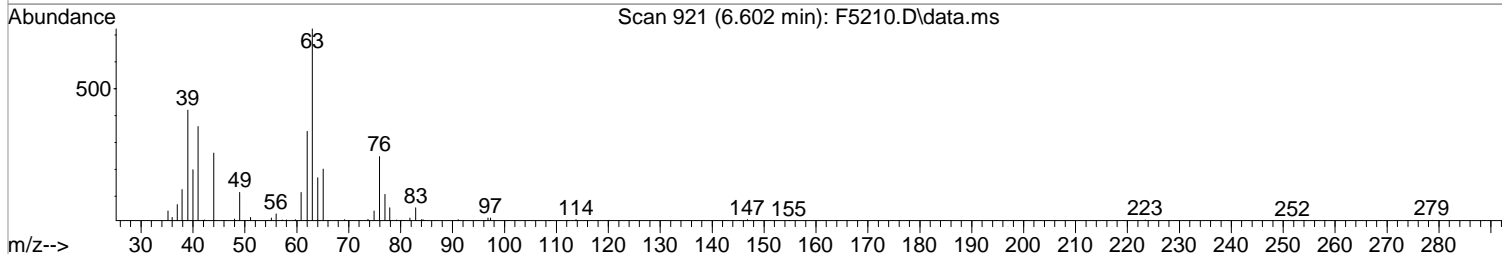
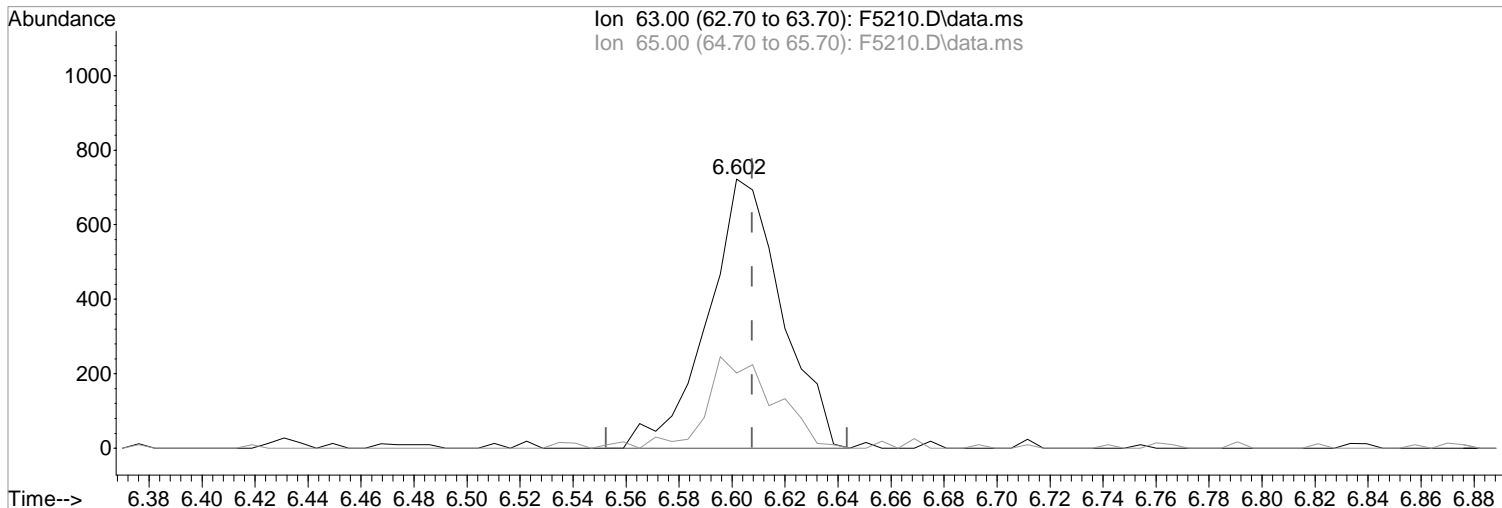
04/01/19

Ion	Exp%	Act%
56.10	100	100
43.10	54.40	44.41
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(55) 1,2-Dicloropropane (P)
6.602min (-0.006) 0.55 ug/L m
response 1403

Manual Integration:

After

Poor integration.

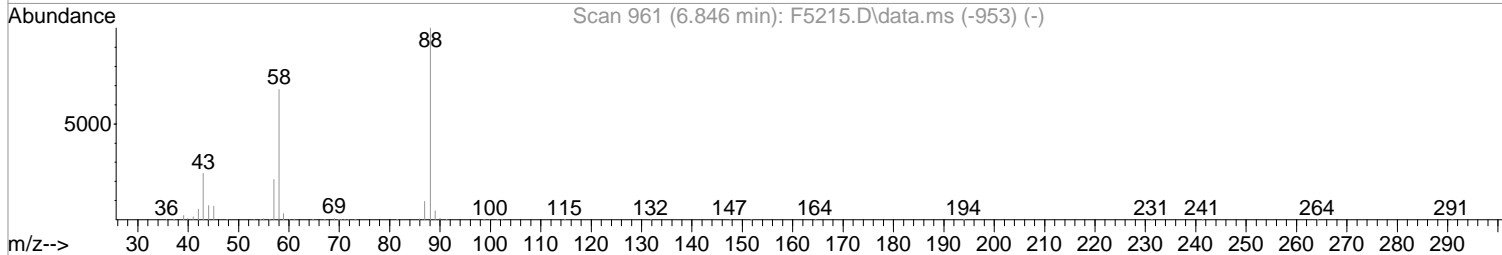
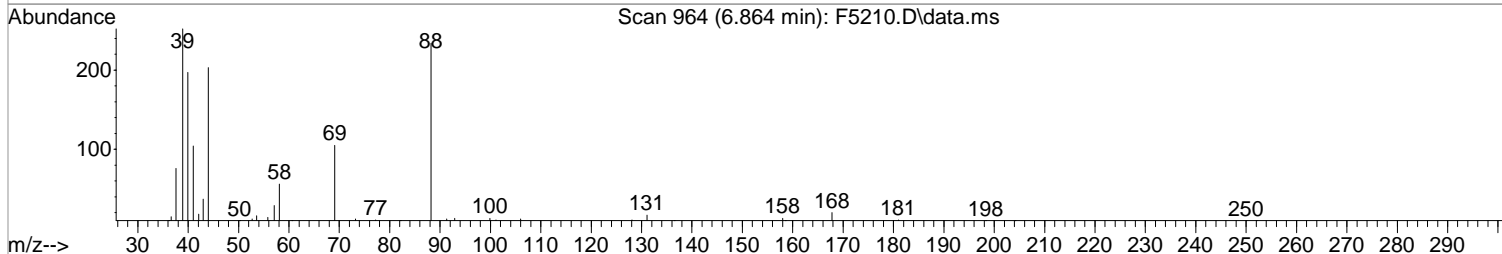
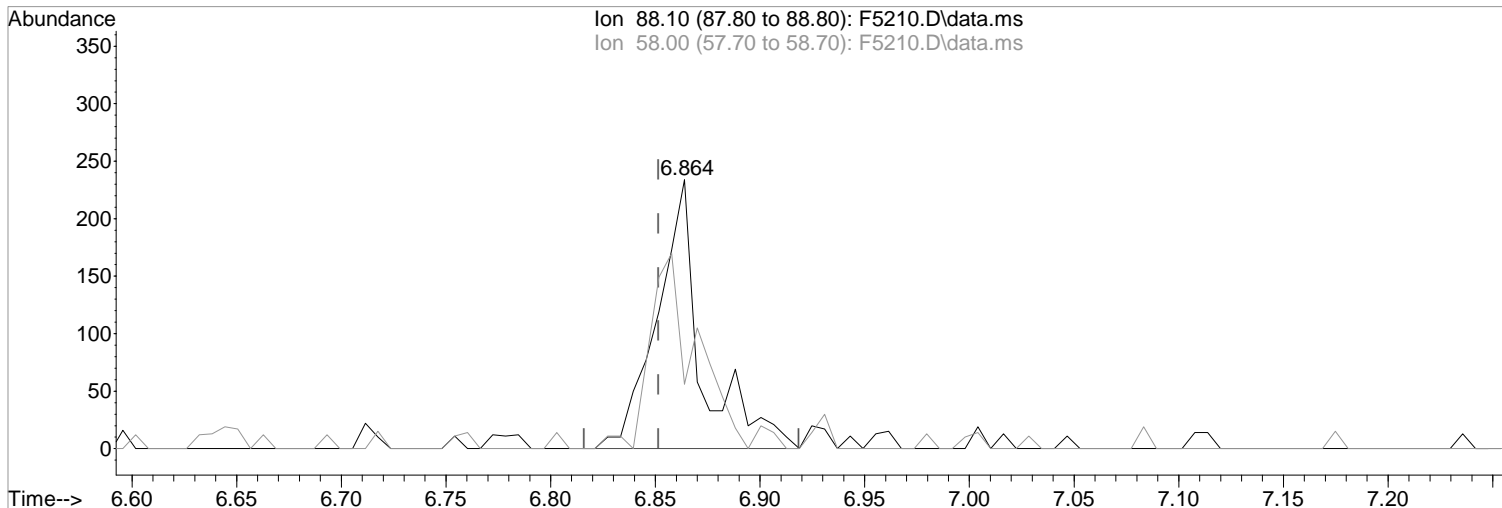
04/01/19

Ion	Exp%	Act%
63.00	100	100
65.00	29.10	27.98
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(57) 1,4-Dioxane
6.864min (+0.012) 6.57 ug/L m
response 345

Manual Integration:

After

Poor integration.

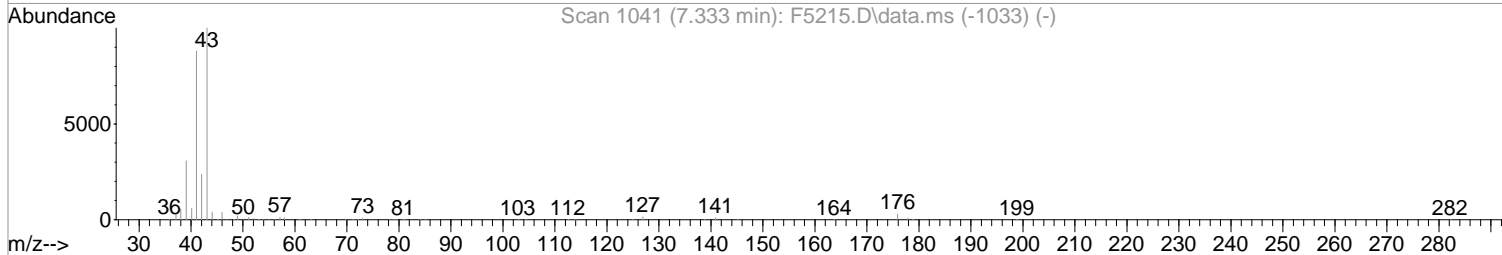
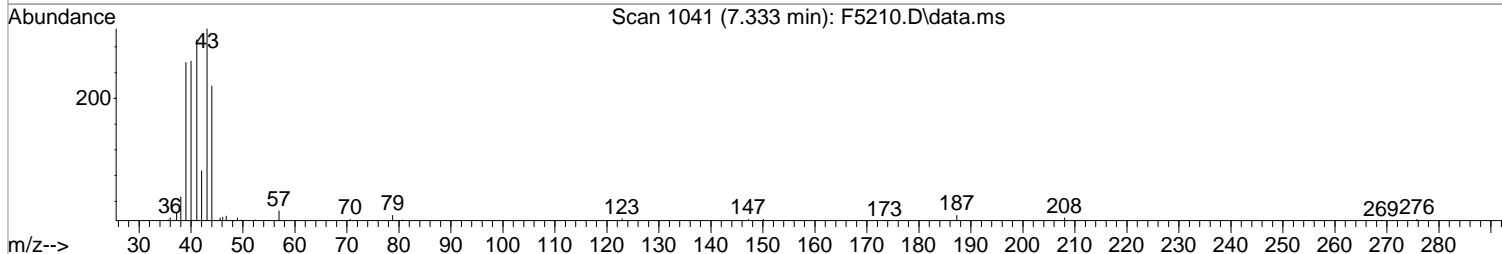
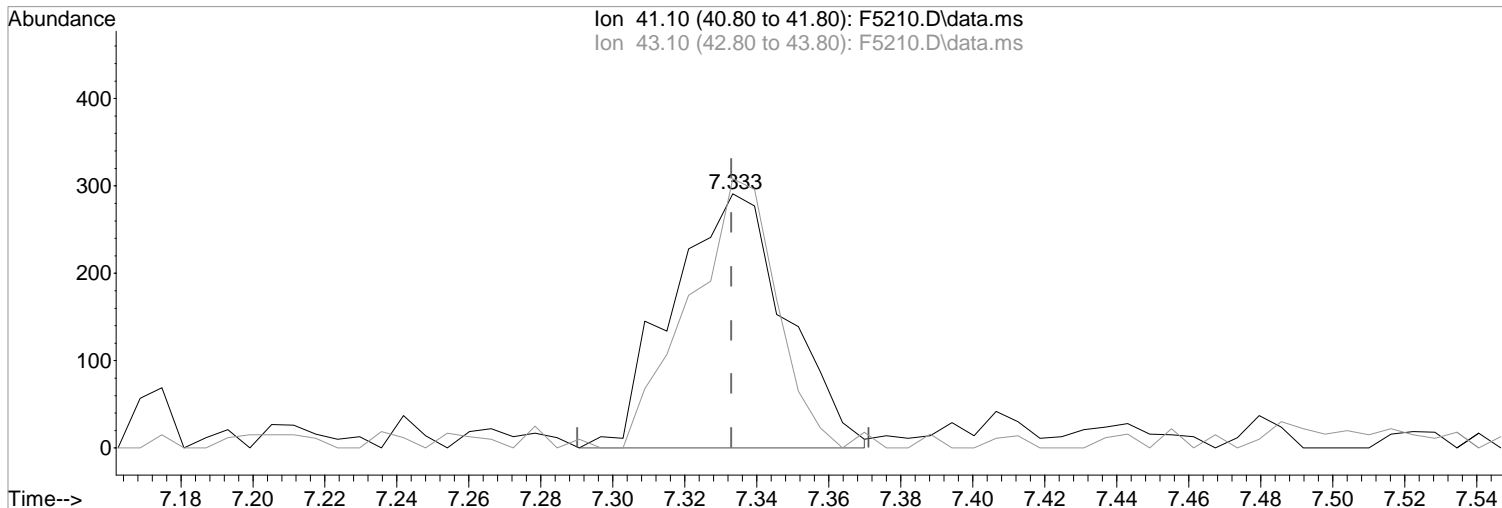
04/01/19

Ion	Exp%	Act%
88.10	100	100
58.00	59.60	23.93#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



(60) 2-Nitropropane
7.333min (+0.000) 1.00 ug/L m
response 643

Manual Integration:

After

Poor integration.

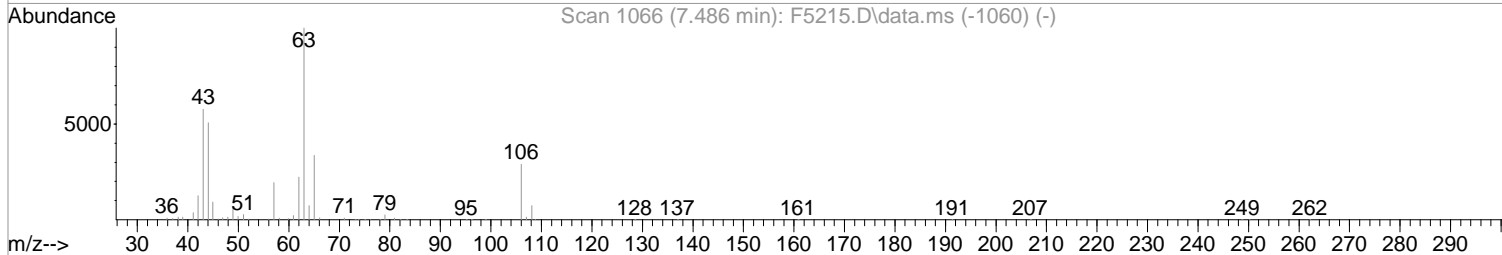
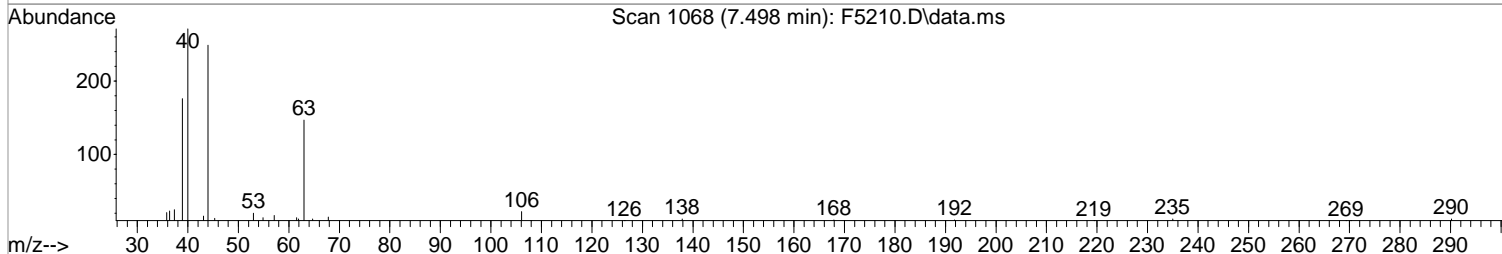
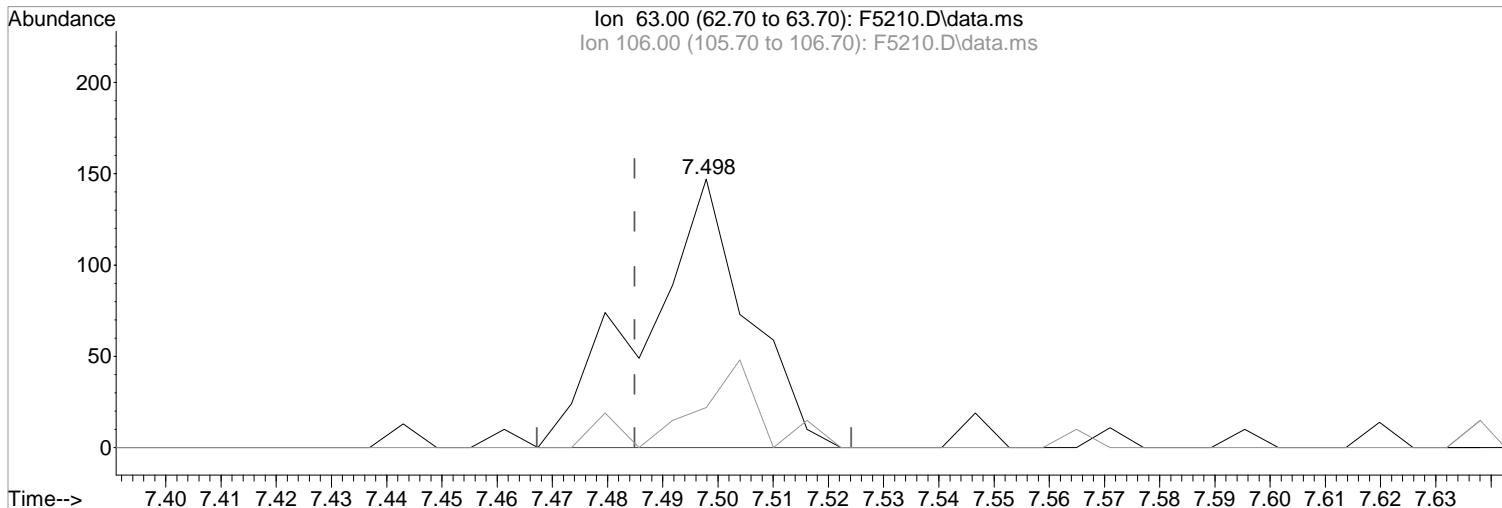
04/01/19

Ion	Exp%	Act%
41.10	100	100
43.10	111.10	105.84
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(61) 2-Chloroethylvinyl Ether

7.498min (+0.013) 0.39 ug/L m

response 192

Ion Exp% Act%

63.00 100 100

106.00 26.90 14.97

0.00 0.00 0.00

0.00 0.00 0.00

Manual Integration:

After

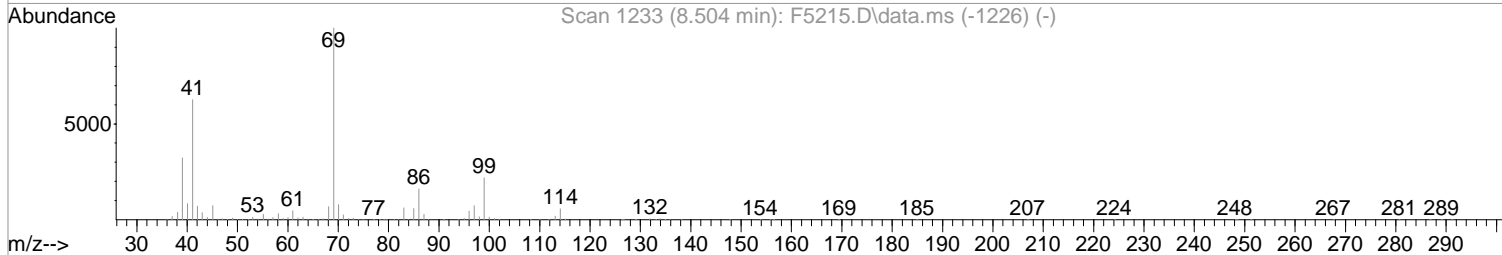
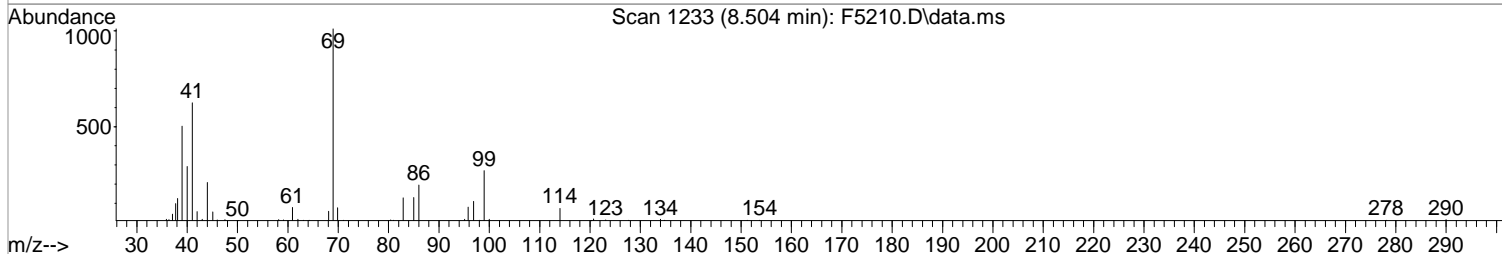
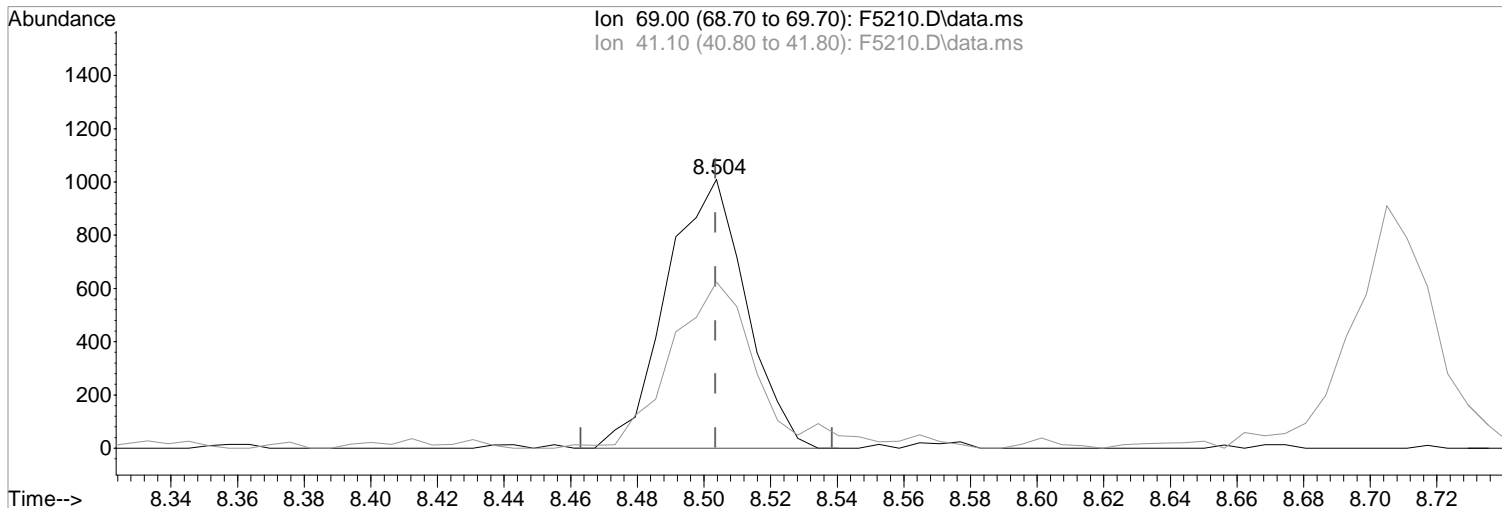
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(67) Ethyl Methacrylate

8.504min (+0.000) 0.44 ug/L m

response 1666

Ion	Exp%	Act%
69.00	100	100
41.10	68.50	61.78
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

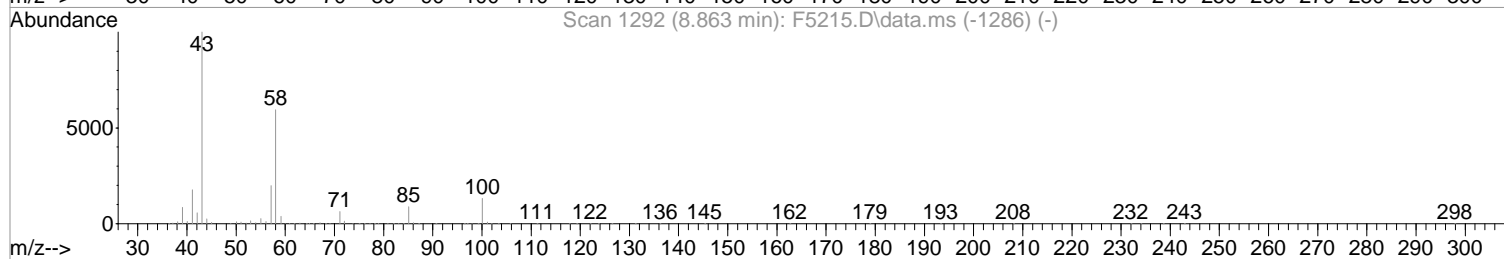
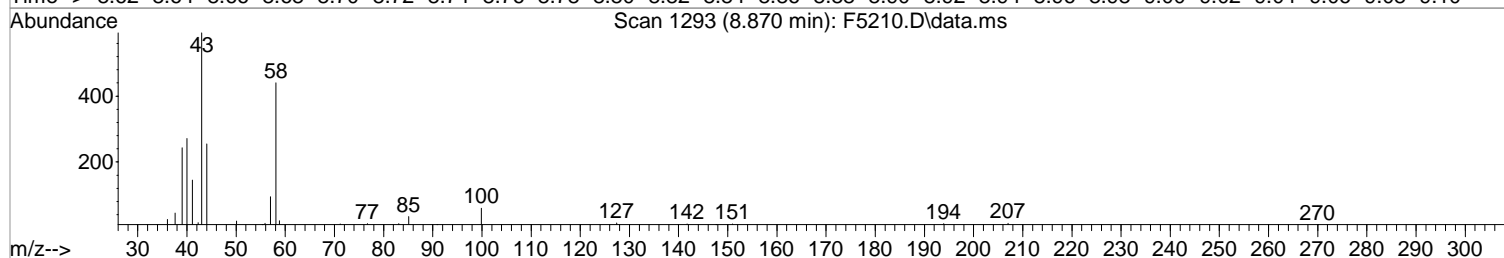
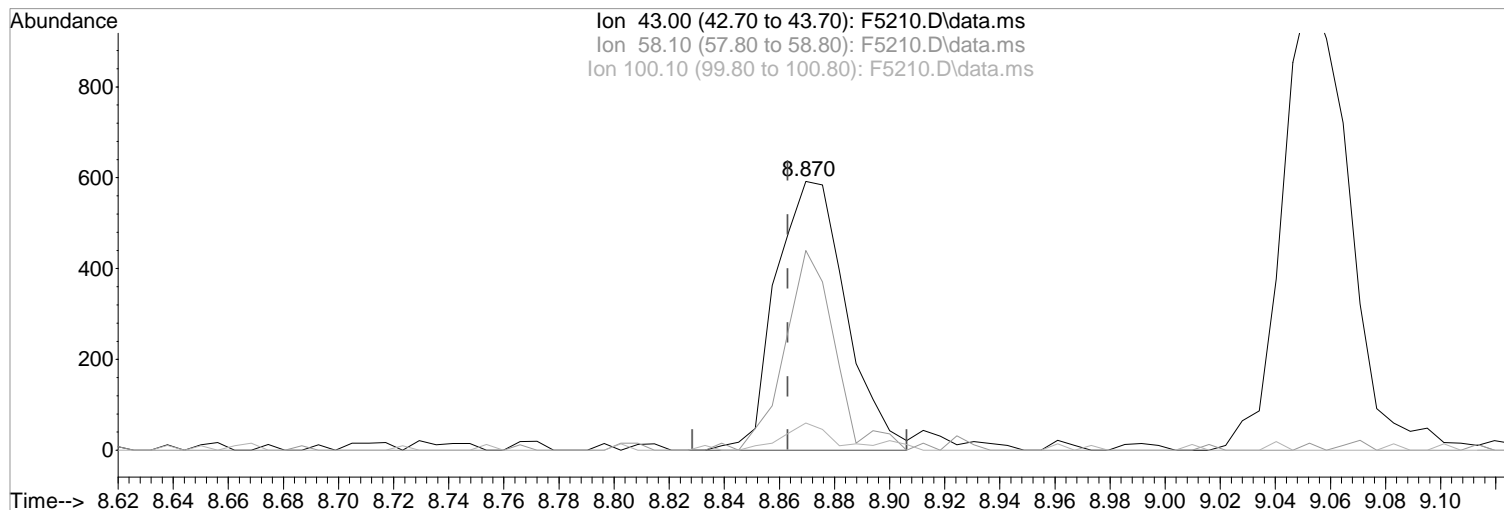
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(72) 2-Hexanone (P)
8.870min (+0.007) 0.51 ug/L m
response 1046

Manual Integration:

After

Poor integration.

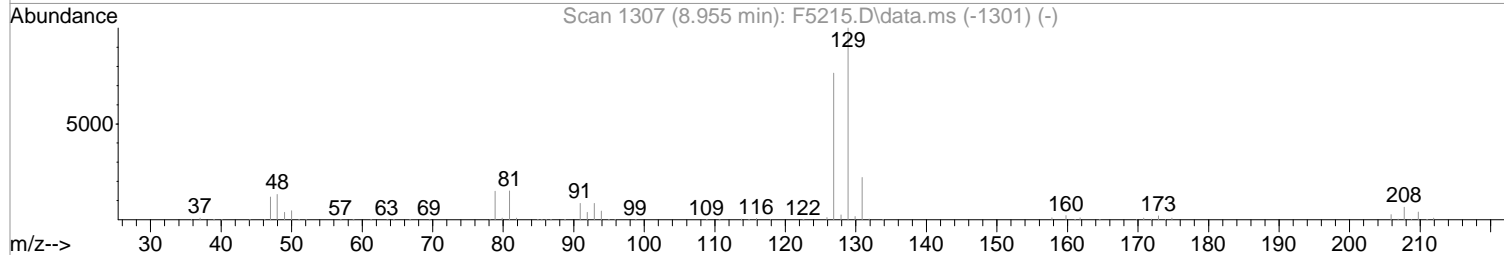
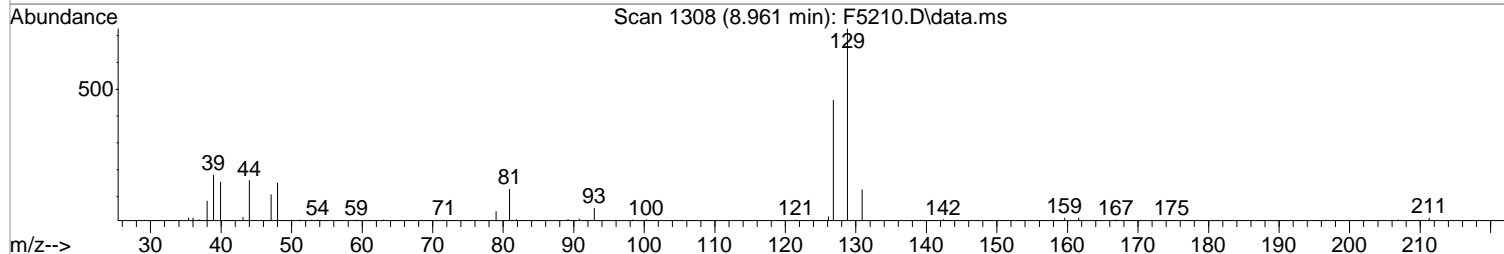
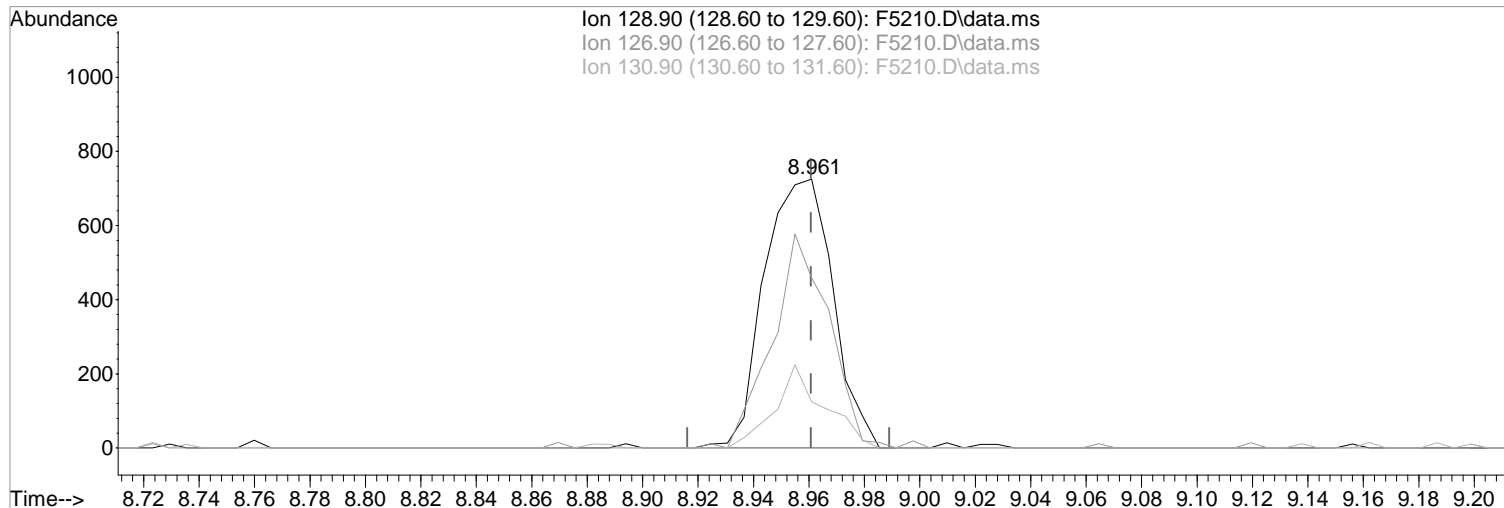
04/01/19

Ion	Exp%	Act%
43.00	100	100
58.10	54.70	74.32
100.10	12.70	10.14
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5210.D
Acq On : 26 Mar 2019 12:53 pm
Operator : F.NAEGLER
Sample : 0.5 PPB STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Feb 26 15:29:19 2019
Response via : Initial Calibration



TIC: F5210.D\data.ms

(74) Dibromochloromethane (P)

8.961min (+0.000) 0.47 ug/L m
response 1246

Ion	Exp%	Act%
128.90	100	100
126.90	80.20	63.31
130.90	22.00	17.24
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5210.D
 Acq On : 26 Mar 2019 12:53 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA14

Quant Time: Mar 26 13:57:23 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Feb 26 15:29:19 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.681	168	274390	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	412755	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	358274	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	188605	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.529	113	32995	13.03	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	26.06%#
47) surr1,1,2-dichloroetha...	5.120	65	39394	14.00	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	28.00%#
64) SURR3,Toluene-d8	7.943	98	144387	14.78	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	29.56%#
69) SURR2,BFB	10.723	95	58688	16.04	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	32.08%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	1491m	0.41	ug/L	
3) Chloromethane	1.152	50	1821	0.79	ug/L	96
4) Vinyl Chloride	1.219	62	1452	0.78	ug/L	84
5) Bromomethane	1.414	94	1514	1.24	ug/L	99
6) Chloroethane	1.481	64	959	1.10	ug/L	87
7) Freon 21	1.603	67	1997	0.86	ug/L	90
8) Trichlorofluoromethane	1.651	101	1637	0.69	ug/L	98
9) Diethyl Ether	1.847	59	1212	0.66	ug/L	92
10) Freon 123a	1.847	67	1395	0.64	ug/L	86
11) Freon 123	1.889	83	1572	0.55	ug/L #	75
12) Acrolein	1.926	56	1574	2.60	ug/L	96
13) 1,1-Dicethene	2.005	96	1084	0.53	ug/L #	81
14) Freon 113	2.017	101	1032	0.52	ug/L	95
15) Acetone	2.042	43	1073	1.18	ug/L	70
16) 2-Propanol	2.157	45	2208m	10.23	ug/L	
18) Carbon Disulfide	2.170	76	3044	0.54	ug/L	97
19) Acetonitrile	2.255	40	817	4.48	ug/L #	54
20) Allyl Chloride	2.292	76	608	0.51	ug/L #	91
21) Methyl Acetate	2.310	43	1118	0.51	ug/L	94
22) Methylene Chloride	2.389	84	1577	0.65	ug/L #	79
23) TBA	2.505	59	3576	9.47	ug/L	89
24) Acrylonitrile	2.602	53	3531	3.21	ug/L	81
25) Methyl-t-Butyl Ether	2.657	73	3953	0.54	ug/L	96
26) trans-1,2-Dichloroethene	2.645	96	1239	0.53	ug/L #	70
27) 1,1-Dicethane	3.066	63	2041	0.51	ug/L	91
28) Vinyl Acetate	3.151	86	255m	0.46	ug/L	
29) DIPE	3.182	45	3874	0.61	ug/L	91
30) 2-Chloro-1,3-Butadiene	3.176	53	1476	0.50	ug/L	87
31) ETBE	3.633	59	3395	0.51	ug/L	92
32) 2,2-Dichloropropane	3.785	77	1570m	0.46	ug/L	
33) cis-1,2-Dichloroethene	3.773	96	1315	0.50	ug/L #	68
34) 2-Butanone	3.840	43	937	0.66	ug/L	97
35) Propionitrile	3.901	54	1347	3.02	ug/L	83
36) Bromochloromethane	4.114	130	927m	0.50	ug/L	
37) Methacrylonitrile	4.120	67	602	0.48	ug/L #	73
38) Tetrahydrofuran	4.224	42	680	0.80	ug/L	98
39) Chloroform	4.279	83	2152	0.55	ug/L	88
40) 1,1,1-Trichloroethane	4.541	97	1641	0.47	ug/L	85
41) TAME	5.504	73	3226	0.47	ug/L	78

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5210.D
 Acq On : 26 Mar 2019 12:53 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Feb 26 15:29:19 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Cyclohexane	4.639	41	983m	0.53	ug/L	
45) Carbontetrachloride	4.840	117	1355	0.43	ug/L	89
46) 1,1-Dichloropropene	4.852	75	1484	0.46	ug/L	85
48) Benzene	5.218	78	5199	0.52	ug/L	92
49) 1,2-Dichloroethane	5.254	62	1699	0.50	ug/L	94
50) Iso-Butyl Alcohol	5.248	43	1437	8.72	ug/L #	62
51) n-Heptane	5.803	43	1282	0.51	ug/L	92
52) 1-Butanol	6.376	56	2373m	20.42	ug/L	
53) Trichloroethene	6.291	130	1287	0.42	ug/L	92
54) Methylcyclohexane	6.571	55	1375	0.51	ug/L #	83
55) 1,2-Dicloropropane	6.602	63	1403m	0.55	ug/L	
56) Dibromomethane	6.754	93	898	0.49	ug/L #	76
57) 1,4-Dioxane	6.864	88	345m	6.57	ug/L	
58) Methyl Methacrylate	6.894	69	999	0.46	ug/L	87
59) Bromodichloromethane	7.022	83	1417	0.44	ug/L	93
60) 2-Nitropropane	7.333	41	643m	1.00	ug/L	
61) 2-Chloroethylvinyl Ether	7.498	63	192m	0.39	ug/L	
62) cis-1,3-Dichloropropene	7.626	75	1876	0.44	ug/L	90
63) 4-Methyl-2-pentanone	7.858	43	1436	0.52	ug/L	95
65) Toluene	8.022	91	5735	0.53	ug/L	91
66) trans-1,3-Dichloropropene	8.327	75	1625	0.41	ug/L	89
67) Ethyl Methacrylate	8.504	69	1666m	0.44	ug/L	
68) 1,1,2-Trichloroethane	8.522	97	1452	0.54	ug/L	86
71) Tetrachloroethene	8.668	164	1448	0.60	ug/L	88
72) 2-Hexanone	8.870	43	1046m	0.51	ug/L	
73) 1,3-Dichloropropane	8.705	76	2228	0.51	ug/L	87
74) Dibromochloromethane	8.961	129	1246m	0.47	ug/L	
75) N-Butyl Acetate	9.052	43	1702	0.44	ug/L	88
76) 1,2-Dibromoethane	9.059	107	1238	0.44	ug/L #	73
77) 3-Chlorobenzotrifluoride	9.650	180	1725	0.40	ug/L	92
78) Chlorobenzene	9.601	112	3707	0.50	ug/L	83
79) 4-Chlorobenzotrifluoride	9.711	180	1519	0.39	ug/L	82
80) 1,1,1,2-Tetrachloroethane	9.705	131	1012	0.38	ug/L #	72
81) Ethylbenzene	9.741	106	1860	0.47	ug/L	96
82) (m+p)Xylene	9.869	106	4306	0.90	ug/L	95
83) o-Xylene	10.241	106	2030	0.43	ug/L	89
84) Styrene	10.260	104	3351	0.42	ug/L	100
85) Bromoform	10.406	173	796	0.41	ug/L	75
86) 2-Chlorobenzotrifluoride	10.516	180	1775	0.41	ug/L	80
87) Isopropylbenzene	10.601	105	5073	0.43	ug/L	89
88) Cyclohexanone	10.656	55	4905	9.03	ug/L	97
89) trans-1,4-Dichloro-2-B...	10.930	53	357	0.44	ug/L	88
91) 1,1,2,2-Tetrachloroethane	10.875	83	1937	0.57	ug/L	99
92) Bromobenzene	10.851	156	1624	0.49	ug/L #	68
93) 1,2,3-Trichloropropane	10.900	110	711	0.60	ug/L #	77
94) n-Propylbenzene	10.979	91	5855	0.49	ug/L	93
95) 2-Chlorotoluene	11.034	91	3902	0.53	ug/L	97
96) 3-Chlorotoluene	11.089	91	3919	0.54	ug/L	85
97) 4-Chlorotoluene	11.131	91	4397	0.53	ug/L	93
98) 1,3,5-Trimethylbenzene	11.137	105	4065	0.46	ug/L	96
99) tert-Butylbenzene	11.418	119	3601	0.45	ug/L	95
100) 1,2,4-Trimethylbenzene	11.461	105	3868	0.44	ug/L	98
101) 3,4-Dichlorobenzotrifl...	11.528	214	1342	0.42	ug/L #	82
102) sec-Butylbenzene	11.607	105	4954	0.44	ug/L	94
103) p-Isopropyltoluene	11.735	119	4198	0.44	ug/L	84
104) 1,3-Dclbenz	11.674	146	2937	0.51	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5210.D
 Acq On : 26 Mar 2019 12:53 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:57:23 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Feb 26 15:29:19 2019
 Response via : Initial Calibration

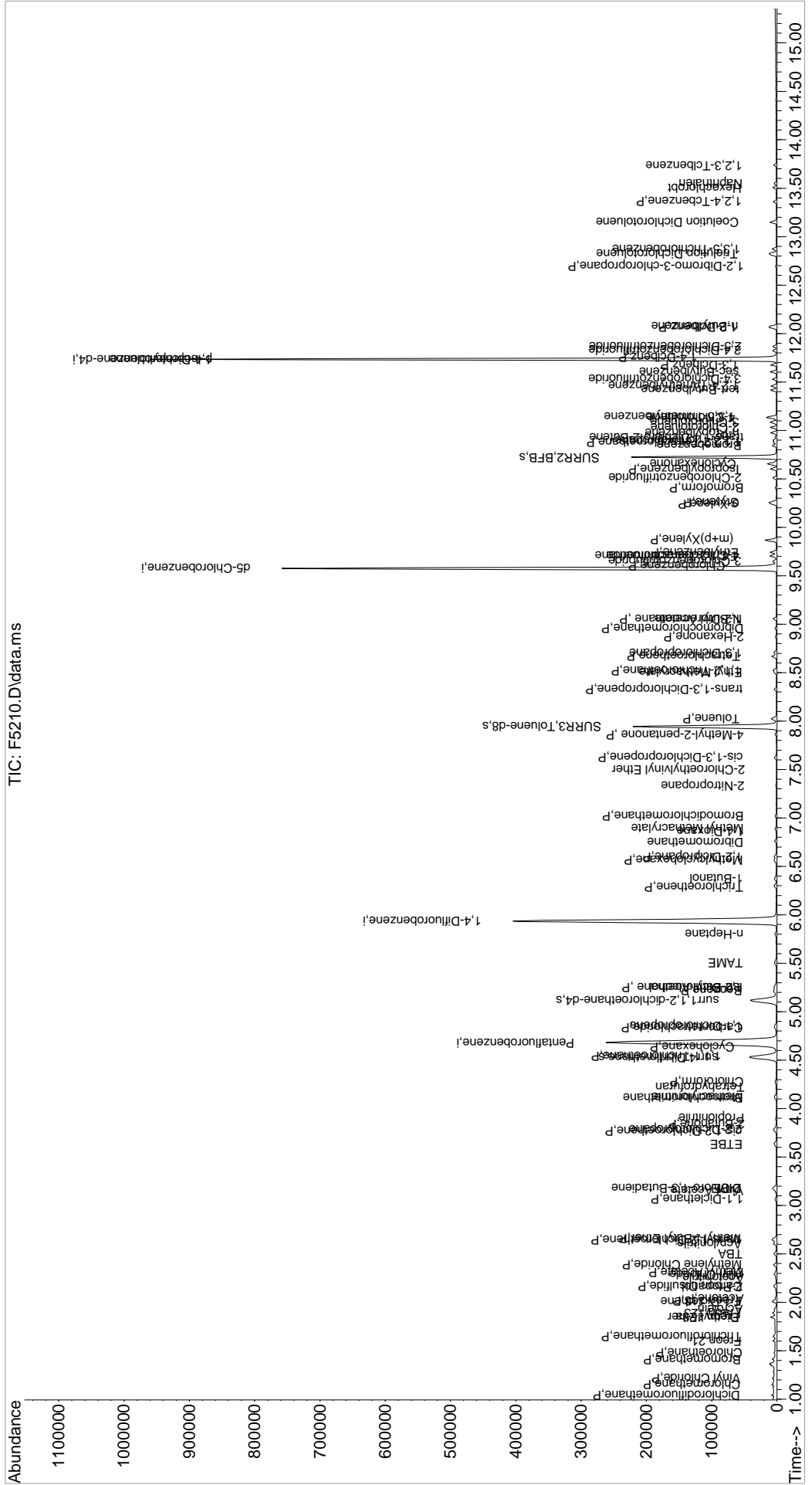
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.753	146	3326	0.55	ug/L	93
106) 2,4-Dichlorobenzotrifl...	11.826	214	1215	0.42	ug/L	91
107) 2,5-Dichlorobenzotrifl...	11.869	214	1420	0.44	ug/L	96
108) n-Butylbenzene	12.076	91	3613	0.47	ug/L	90
109) 1,2-Dclbenz	12.064	146	2806	0.47	ug/L	82
110) 1,2-Dibromo-3-chloropr...	12.698	157	352	0.38	ug/L	88
111) Trielution Dichlorotol...	12.826	125	5286	1.23	ug/L	95
112) 1,3,5-Trichlorobenzene	12.875	180	1654	0.40	ug/L	87
113) Coelution Dichlorotoluene	13.149	125	3279	0.70	ug/L	92
114) 1,2,4-Tcbenzene	13.363	180	1255	0.33	ug/L	90
115) Hexachlorobt	13.503	225	895	0.47	ug/L #	77
116) Naphthalen	13.552	128	2258	0.22	ug/L	96
117) 1,2,3-Tclbenzene	13.734	180	1016	0.27	ug/L	87

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

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
 Data File : F5210.D
 Acq On : 26 Mar 2019 12:53 pm
 Operator : F.NAEGLER
 Sample : 0.5 PPB STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA14

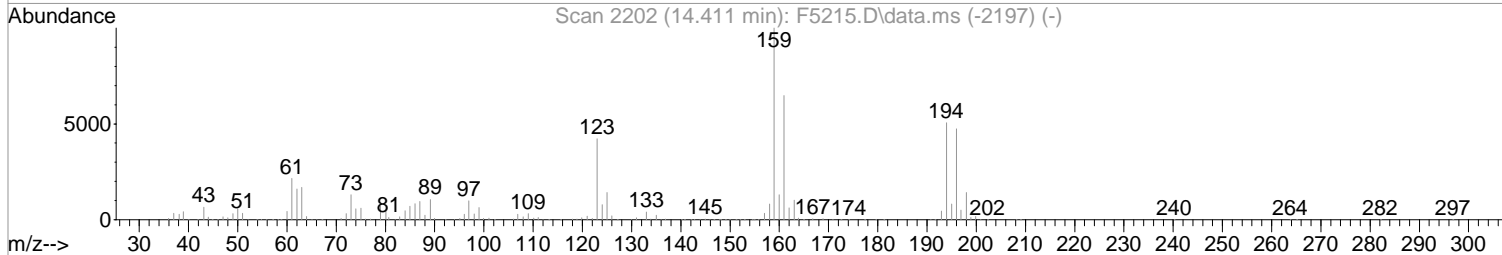
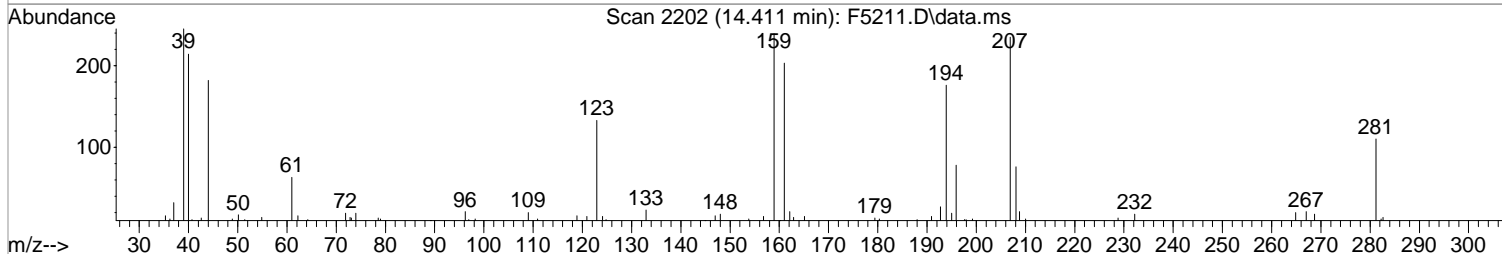
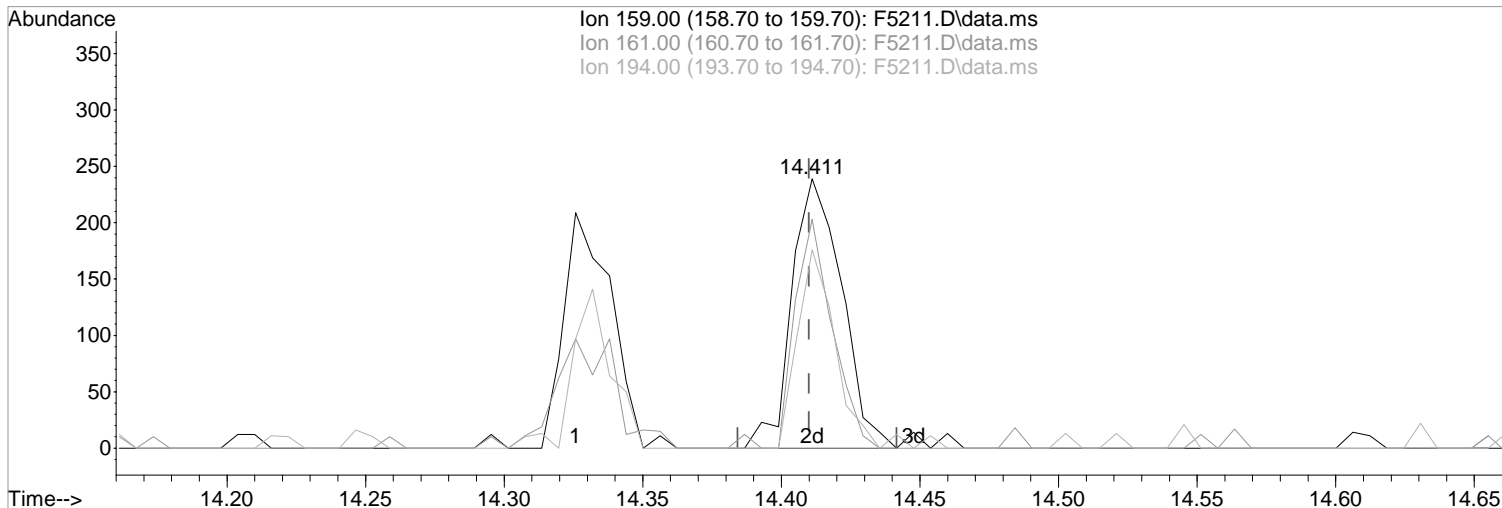
Quant Time: Mar 26 13:57:23 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Feb 26 15:29:19 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



(119) 2,3,6-Trichlorotoluene
14.411min (+0.001) 0.29 ug/L m
response 300

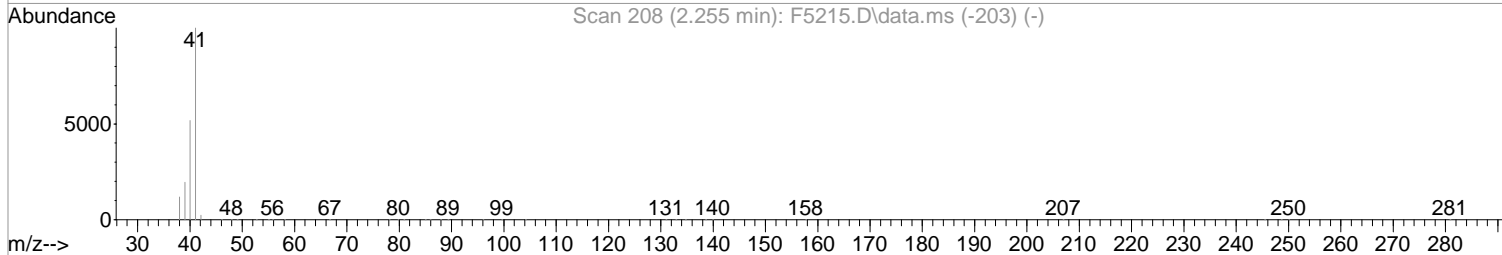
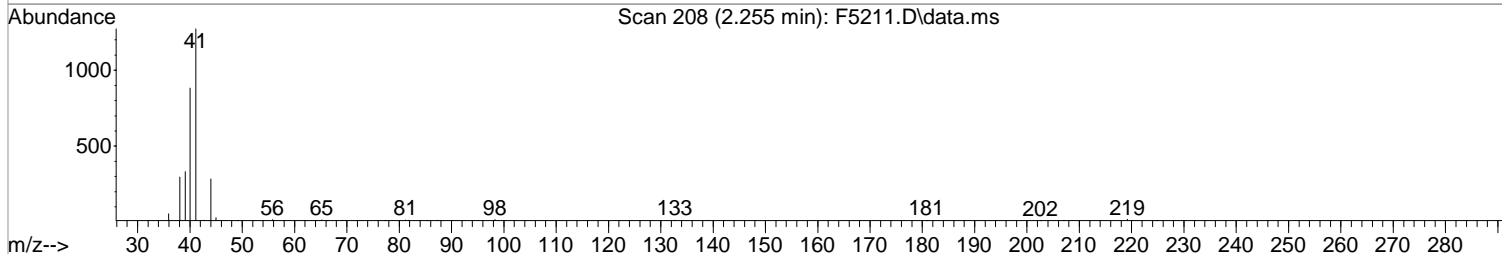
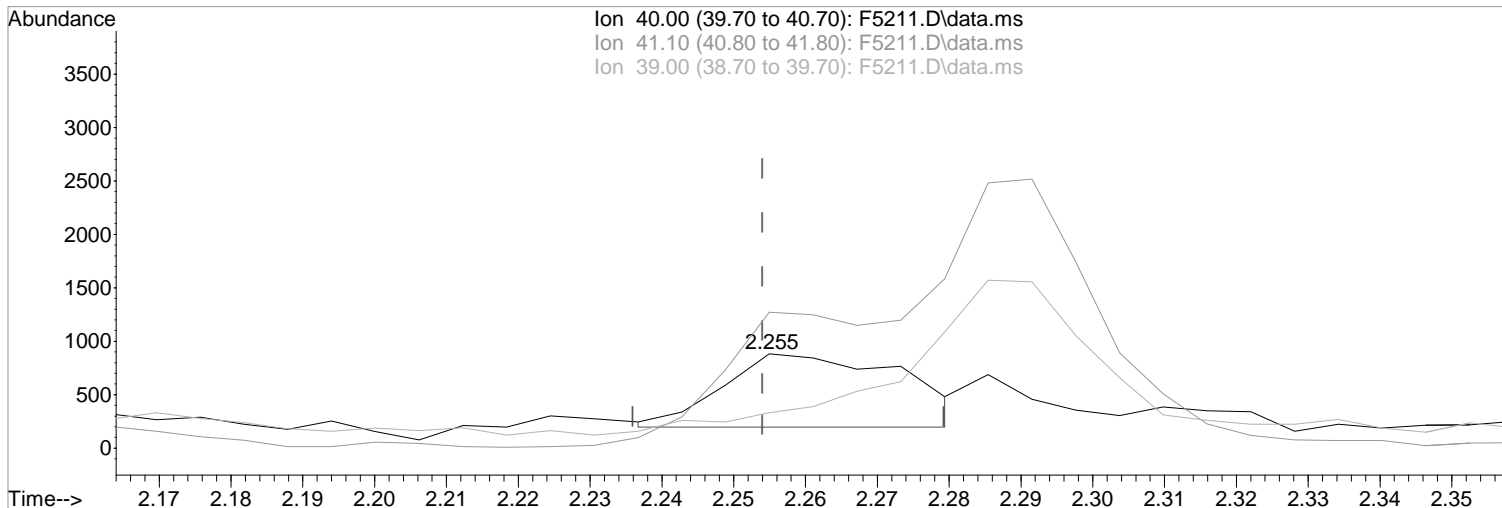
Manual Integration:
After
Wrong peak selected.
04/01/19

Ion	Exp%	Act%
159.00	100	100
161.00	60.50	84.94#
194.00	47.00	73.64#
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (+0.001) 6.30 ug/L m
response 1190

Manual Integration:
After
Poor integration.

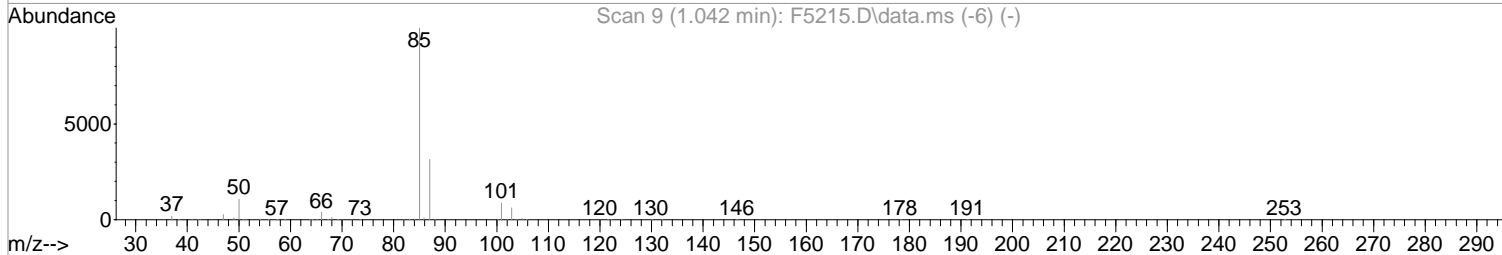
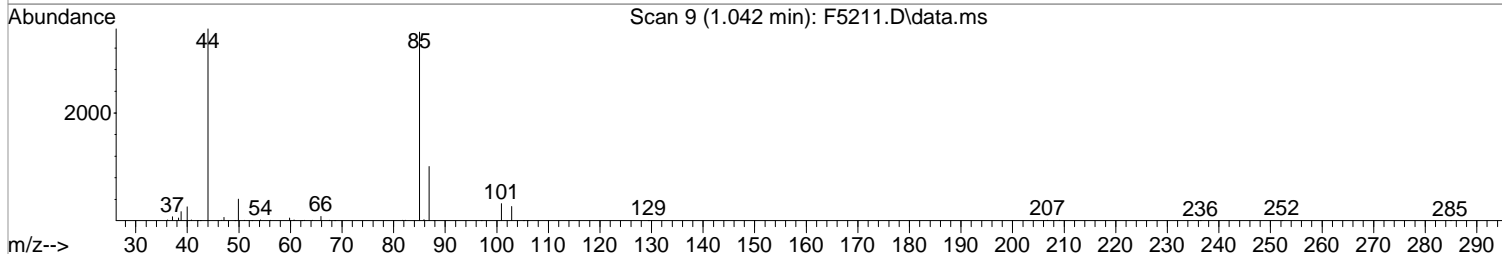
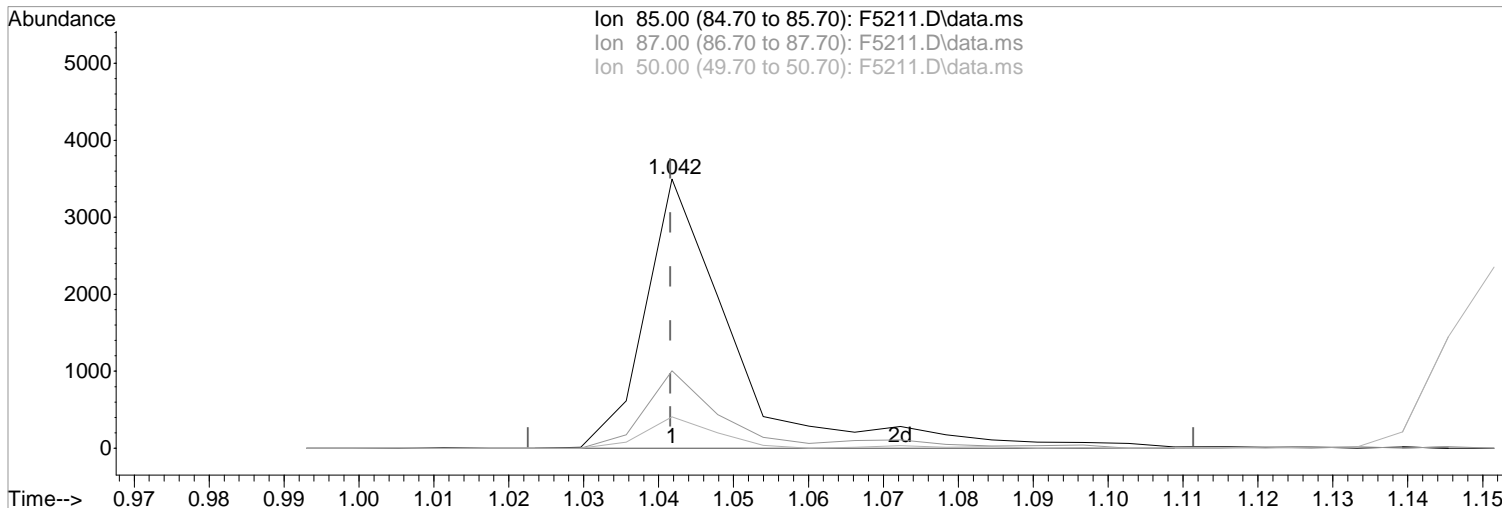
Ion	Exp%	Act%
40.00	100	100
41.10	175.00	144.22#
39.00	38.30	37.64
0.00	0.00	0.00

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



TIC: F5211.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 0.85 ug/L m

response 2853

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	28.82
50.00	14.00	11.71
0.00	0.00	0.00

Manual Integration:

After

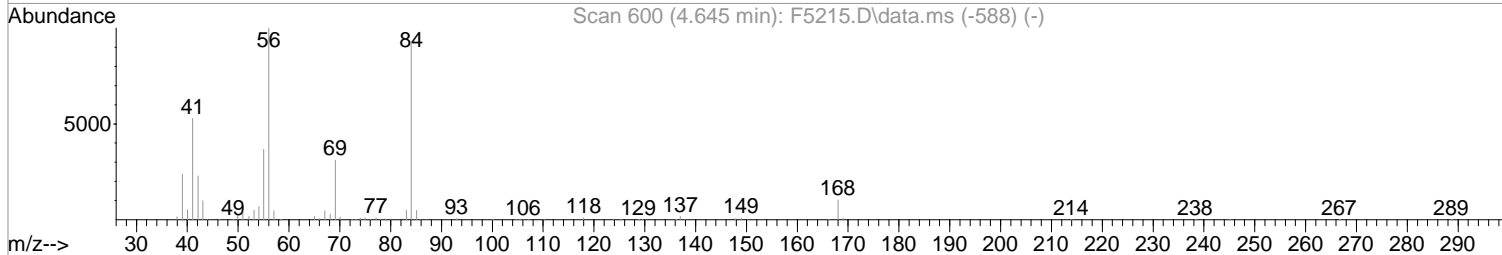
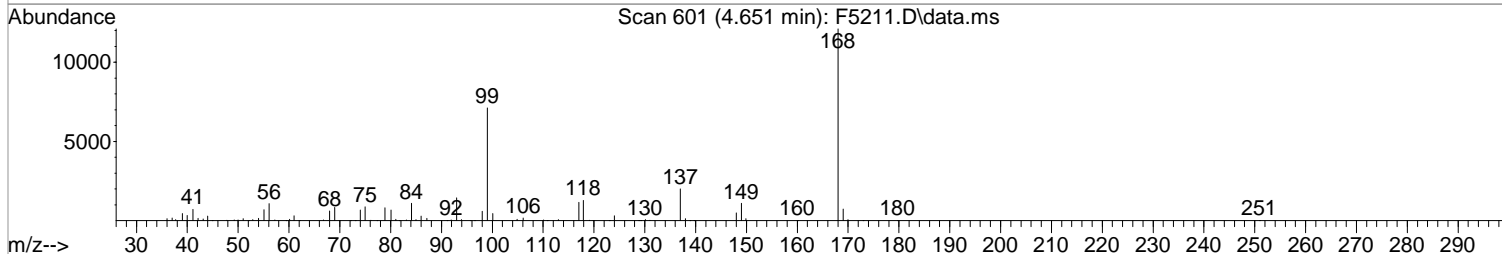
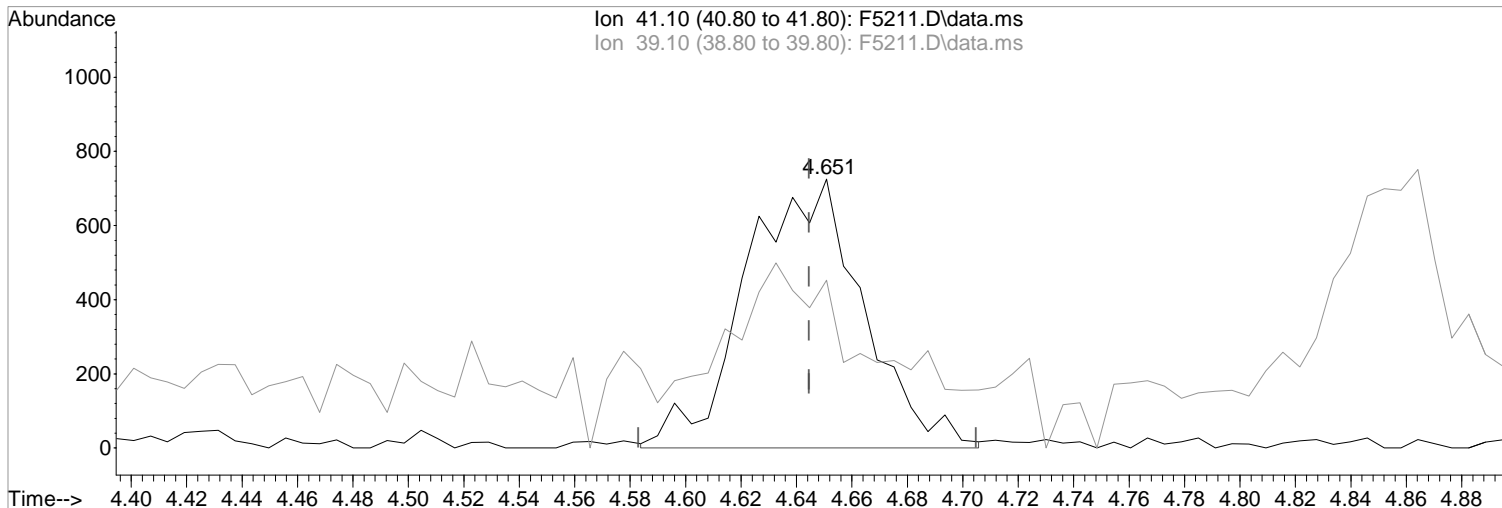
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



(43) Cyclohexane (P)
4.651min (+0.006) 1.23 ug/L m
response 2141

Manual Integration:

After

Poor integration.

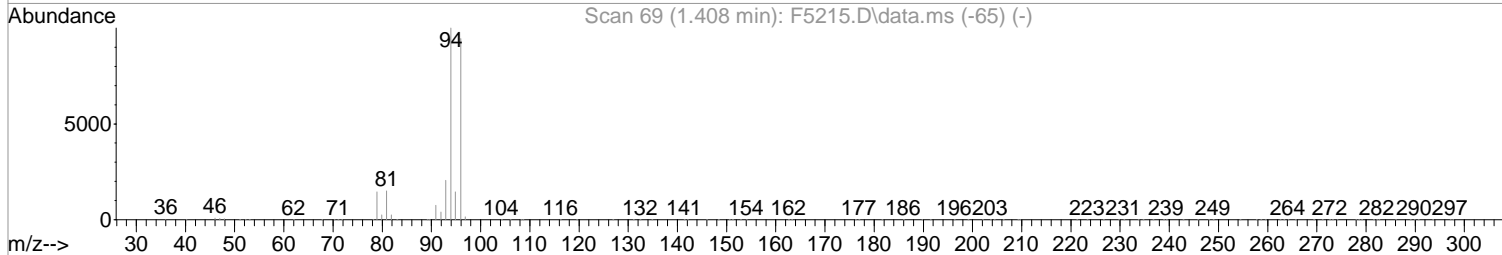
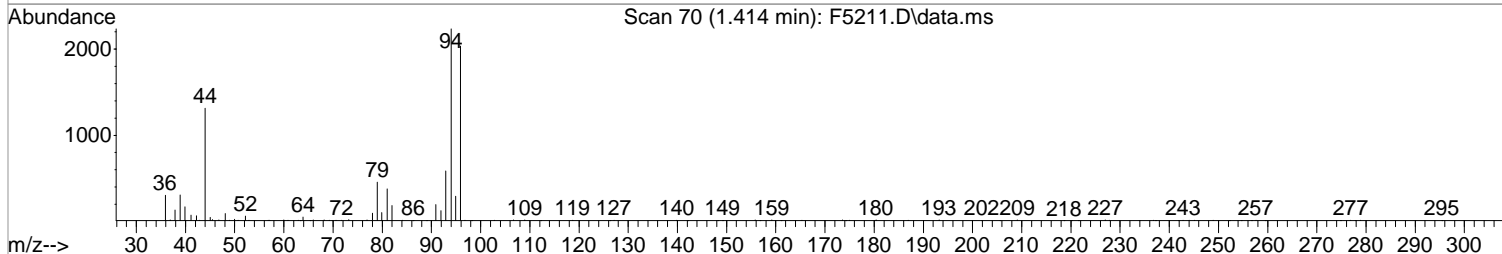
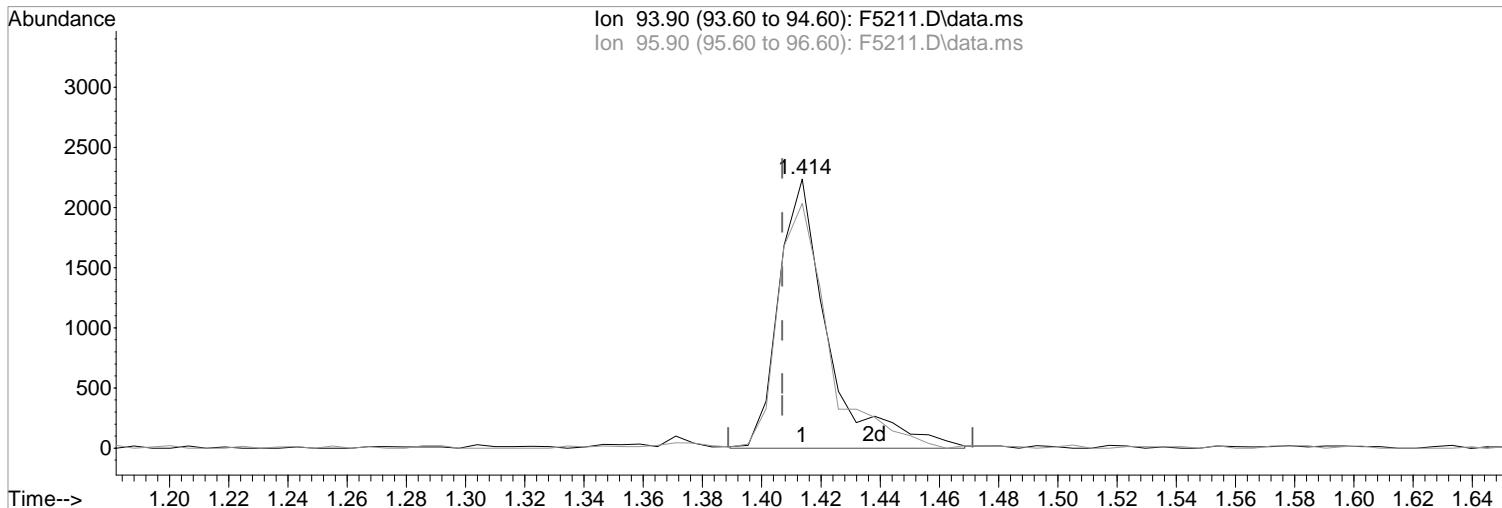
04/01/19

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	62.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5211.D
 Acq On : 26 Mar 2019 1:15 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 13:58:31 2019
 Response via : Initial Calibration



TIC: F5211.D\data.ms

(5) Bromomethane (P)
 1.414min (+0.007) 1.97 ug/L m
 response 2575

Manual Integration:

After

Poor integration.

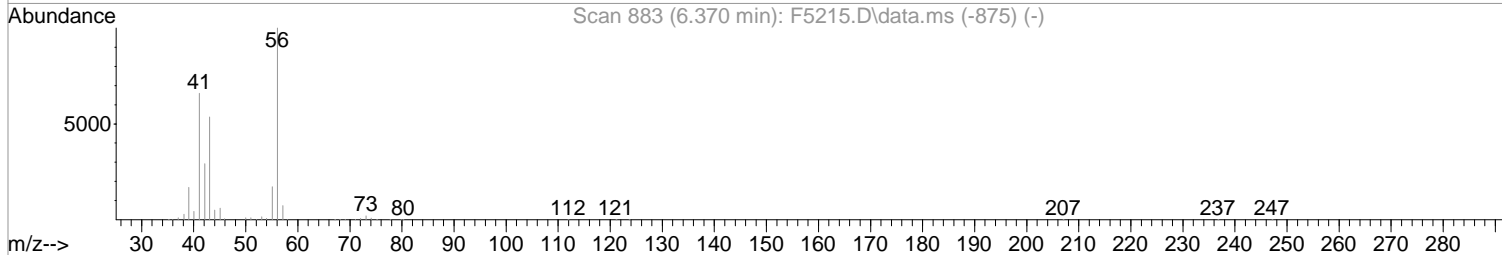
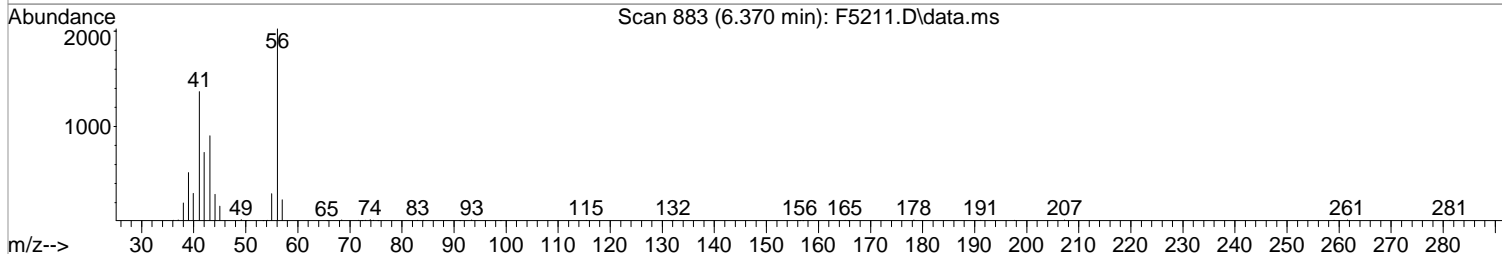
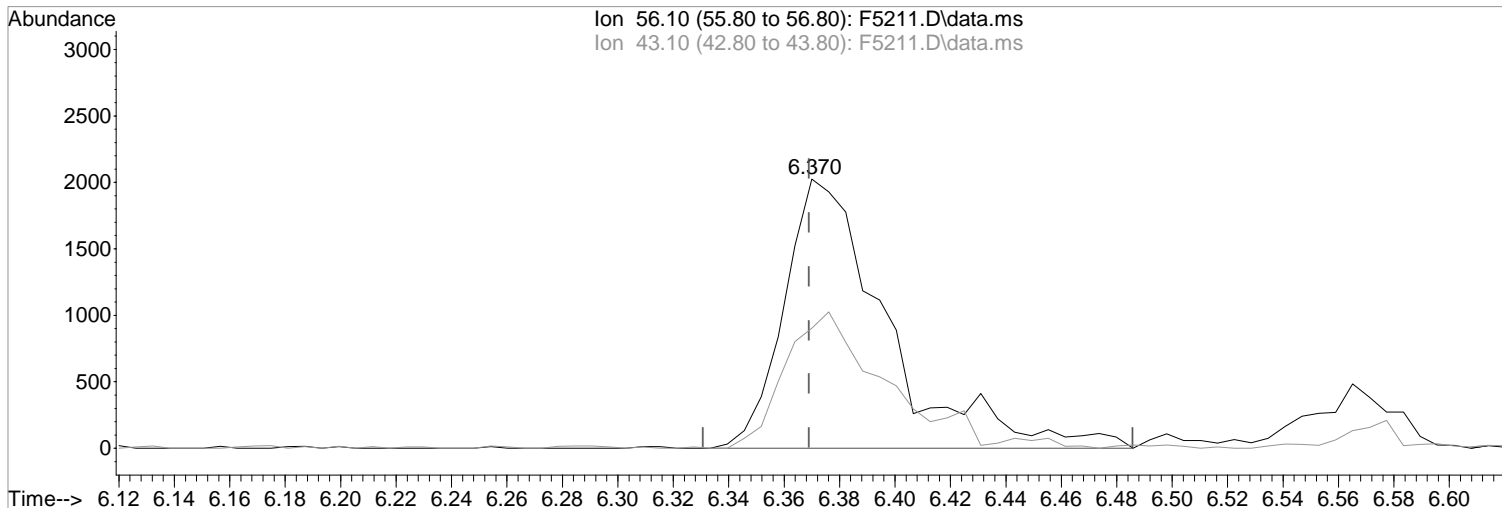
04/01/19

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	90.96
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



(52) 1-Butanol
6.370min (+0.001) 48.87 ug/L m
response 5234

Manual Integration:

After

Poor integration.

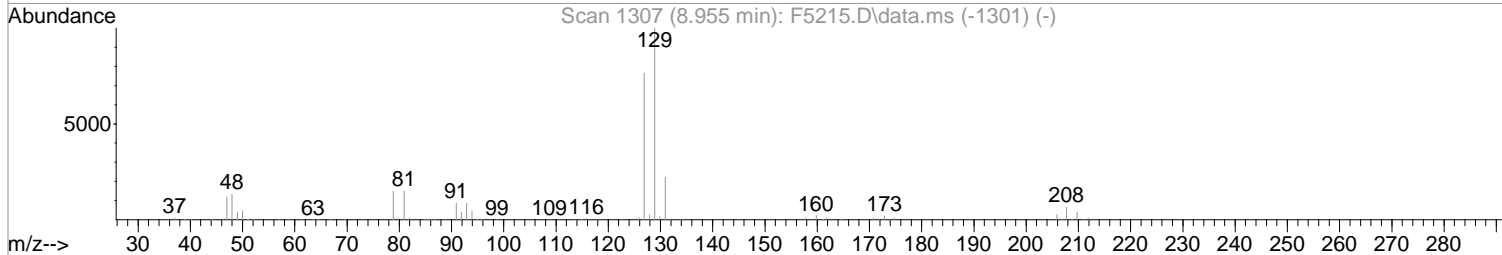
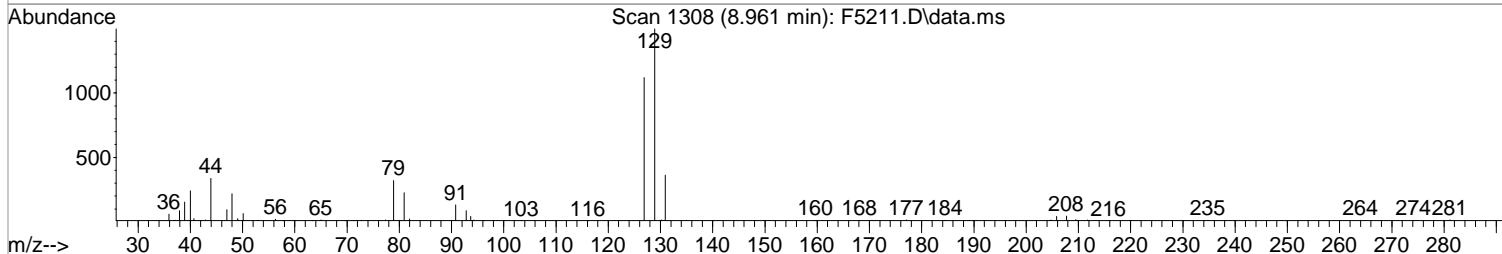
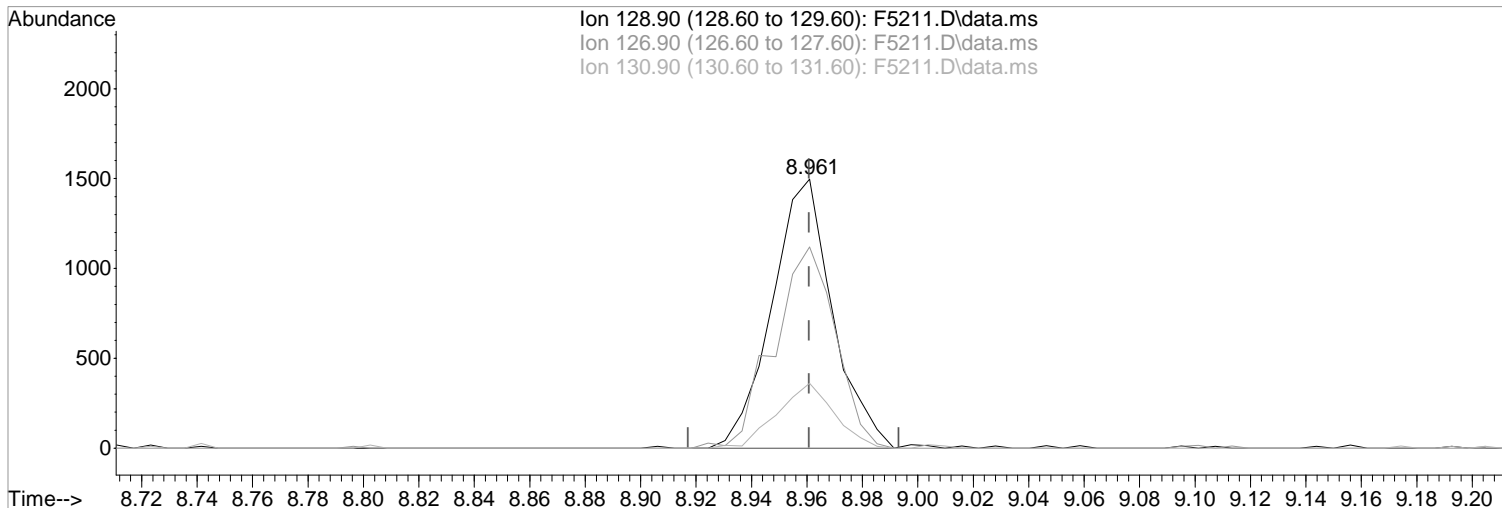
Ion	Exp%	Act%
56.10	100	100
43.10	54.40	44.57
0.00	0.00	0.00
0.00	0.00	0.00

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5211.D
Acq On : 26 Mar 2019 1:15 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:02:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 13:58:31 2019
Response via : Initial Calibration



TIC: F5211.D\data.ms

(74) Dibromochloromethane (P)

8.961min (+0.000) 0.90 ug/L m
response 2276

Ion	Exp%	Act%
128.90	100	100
126.90	80.20	74.75
130.90	22.00	24.18
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5211.D
 Acq On : 26 Mar 2019 1:15 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 13:58:31 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	258806	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	388207	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	337215	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179653	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	29896	12.55	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	25.10%#	
47) surr1,1,2-dichloroetha...	5.120	65	36396	13.76	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	27.52%#	
64) SURR3,Toluene-d8	7.943	98	122732	13.36	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	26.72%#	
69) SURR2,BFB	10.723	95	47717	13.87	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	27.74%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.042	85	2853m	0.85	ug/L	
3) Chloromethane	1.152	50	3420	1.47	ug/L	96
4) Vinyl Chloride	1.219	62	2758	1.46	ug/L	83
5) Bromomethane	1.414	94	2575m	1.97	ug/L	
6) Chloroethane	1.481	64	2021	2.15	ug/L	76
7) Freon 21	1.603	67	4369	1.85	ug/L	99
8) Trichlorofluoromethane	1.651	101	3449	1.45	ug/L	90
9) Diethyl Ether	1.847	59	2549	1.42	ug/L	92
10) Freon 123a	1.847	67	2734	1.29	ug/L	92
11) Freon 123	1.889	83	3025	1.12	ug/L	94
12) Acrolein	1.932	56	3428	5.92	ug/L	91
13) 1,1-Dicethene	2.011	96	2068	1.05	ug/L	91
14) Freon 113	2.017	101	1966	1.05	ug/L	92
15) Acetone	2.048	43	2016	1.96	ug/L	94
16) 2-Propanol	2.164	45	4756	22.84	ug/L	97
17) Iodomethane	2.121	142	1158	0.40	ug/L	91
18) Carbon Disulfide	2.176	76	5588	1.02	ug/L	98
19) Acetonitrile	2.255	40	1190m	6.30	ug/L	
20) Allyl Chloride	2.285	76	1332	1.18	ug/L #	83
21) Methyl Acetate	2.316	43	2538	1.21	ug/L	96
22) Methylene Chloride	2.389	84	2845	1.21	ug/L	98
23) TBA	2.505	59	8306	23.01	ug/L	96
24) Acrylonitrile	2.609	53	7061	6.53	ug/L	89
25) Methyl-t-Butyl Ether	2.657	73	8091	1.15	ug/L	98
26) trans-1,2-Dichloroethene	2.645	96	2516	1.13	ug/L	97
27) 1,1-Dicethane	3.072	63	4328	1.15	ug/L	92
28) Vinyl Acetate	3.151	86	502	0.97	ug/L #	58
29) DIPE	3.188	45	7306	1.19	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.176	53	2795	0.99	ug/L	97
31) ETBE	3.633	59	7152	1.13	ug/L	93
32) 2,2-Dichloropropane	3.773	77	3409	1.07	ug/L	87
33) cis-1,2-Dichloroethene	3.791	96	2887	1.16	ug/L #	72
34) 2-Butanone	3.840	43	2065	1.49	ug/L	95
35) Propionitrile	3.895	54	2779	6.32	ug/L	98
36) Bromochloromethane	4.120	130	1905	1.07	ug/L #	75
37) Methacrylonitrile	4.127	67	1423	1.20	ug/L #	74
38) Tetrahydrofuran	4.230	42	1319	1.52	ug/L #	59
39) Chloroform	4.267	83	4305	1.14	ug/L	88
40) 1,1,1-Trichloroethane	4.547	97	3256	0.98	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5211.D
 Acq On : 26 Mar 2019 1:15 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 13:58:31 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.517	73	6942	1.08	ug/L	91
43) Cyclohexane	4.651	41	2141m	1.23	ug/L	
45) Carbontetrachloride	4.840	117	2726	0.92	ug/L #	74
46) 1,1-Dichloropropene	4.852	75	3150	1.05	ug/L	83
48) Benzene	5.218	78	9864	1.05	ug/L	96
49) 1,2-Dichloroethane	5.260	62	3513	1.08	ug/L	96
50) Iso-Butyl Alcohol	5.260	43	3476	22.75	ug/L	99
51) n-Heptane	5.803	43	2459	1.05	ug/L	90
52) 1-Butanol	6.370	56	5234m	48.87	ug/L	
53) Trichloroethene	6.297	130	2777	0.98	ug/L #	85
54) Methylcyclohexane	6.571	55	2803	1.11	ug/L #	77
55) 1,2-Diclpropane	6.614	63	2795	1.15	ug/L	95
56) Dibromomethane	6.766	93	1784	1.03	ug/L #	78
57) 1,4-Dioxane	6.852	88	1113	23.28	ug/L	97
58) Methyl Methacrylate	6.888	69	2256	1.08	ug/L	98
59) Bromodichloromethane	7.022	83	2921	0.97	ug/L	95
60) 2-Nitropropane	7.333	41	1395	2.31	ug/L #	80
61) 2-Chloroethylvinyl Ether	7.492	63	359	0.79	ug/L #	61
62) cis-1,3-Dichloropropene	7.626	75	3801	0.95	ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	2970	1.11	ug/L	79
65) Toluene	8.022	91	10416	1.00	ug/L	96
66) trans-1,3-Dichloropropene	8.321	75	3214	0.87	ug/L	94
67) Ethyl Methacrylate	8.504	69	3403	0.94	ug/L	87
68) 1,1,2-Trichloroethane	8.528	97	2551	0.99	ug/L	88
71) Tetrachloroethene	8.674	164	2389	1.03	ug/L #	65
72) 2-Hexanone	8.870	43	2184	1.14	ug/L	90
73) 1,3-Dichloropropane	8.711	76	4437	1.08	ug/L	92
74) Dibromochloromethane	8.961	129	2276m	0.90	ug/L	
75) N-Butyl Acetate	9.052	43	3606	0.99	ug/L	88
76) 1,2-Dibromoethane	9.059	107	2788	1.06	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	3479	0.86	ug/L	95
78) Chlorobenzene	9.607	112	7013	1.00	ug/L	91
79) 4-Chlorobenzotrifluoride	9.711	180	3306	0.92	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.705	131	1997	0.81	ug/L	84
81) Ethylbenzene	9.747	106	3254	0.88	ug/L	92
82) (m+p)Xylene	9.869	106	8823	1.96	ug/L	97
83) o-Xylene	10.247	106	4323	0.98	ug/L #	77
84) Styrene	10.259	104	6664	0.90	ug/L	99
85) Bromoform	10.406	173	1303	0.73	ug/L	92
86) 2-Chlorobenzotrifluoride	10.509	180	3572	0.89	ug/L	98
87) Isopropylbenzene	10.607	105	10246	0.92	ug/L	90
88) Cyclohexanone	10.656	55	11090	21.40	ug/L	85
89) trans-1,4-Dichloro-2-B...	10.930	53	869	1.12	ug/L	79
91) 1,1,2,2-Tetrachloroethane	10.875	83	3745	1.14	ug/L	87
92) Bromobenzene	10.845	156	3152	1.02	ug/L	97
93) 1,2,3-Trichloropropane	10.900	110	1206	1.03	ug/L	97
94) n-Propylbenzene	10.973	91	11989	1.05	ug/L	98
95) 2-Chlorotoluene	11.034	91	7614	1.08	ug/L	91
96) 3-Chlorotoluene	11.089	91	7382	1.05	ug/L	97
97) 4-Chlorotoluene	11.131	91	9090	1.14	ug/L	98
98) 1,3,5-Trimethylbenzene	11.137	105	8310	0.99	ug/L	97
99) tert-Butylbenzene	11.418	119	7479	0.99	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	8205	0.98	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.528	214	2687	0.90	ug/L	97
102) sec-Butylbenzene	11.607	105	10257	0.97	ug/L	98
103) p-Isopropyltoluene	11.735	119	8555	0.94	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5211.D
 Acq On : 26 Mar 2019 1:15 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 14:02:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 13:58:31 2019
 Response via : Initial Calibration

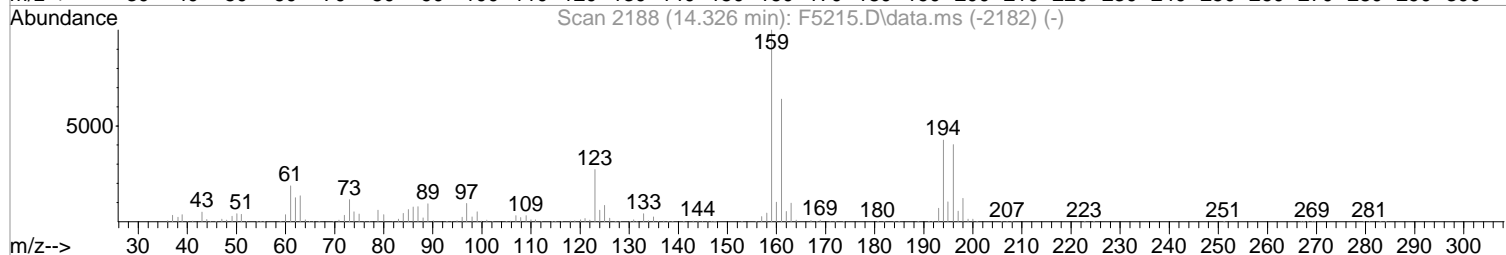
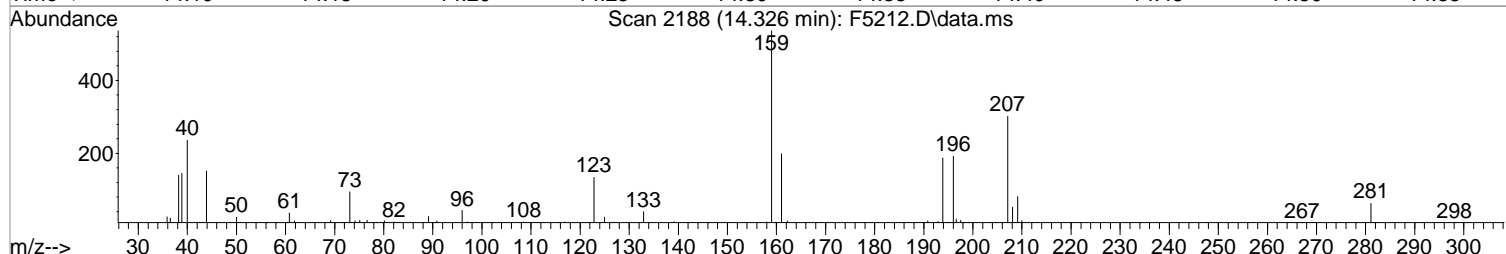
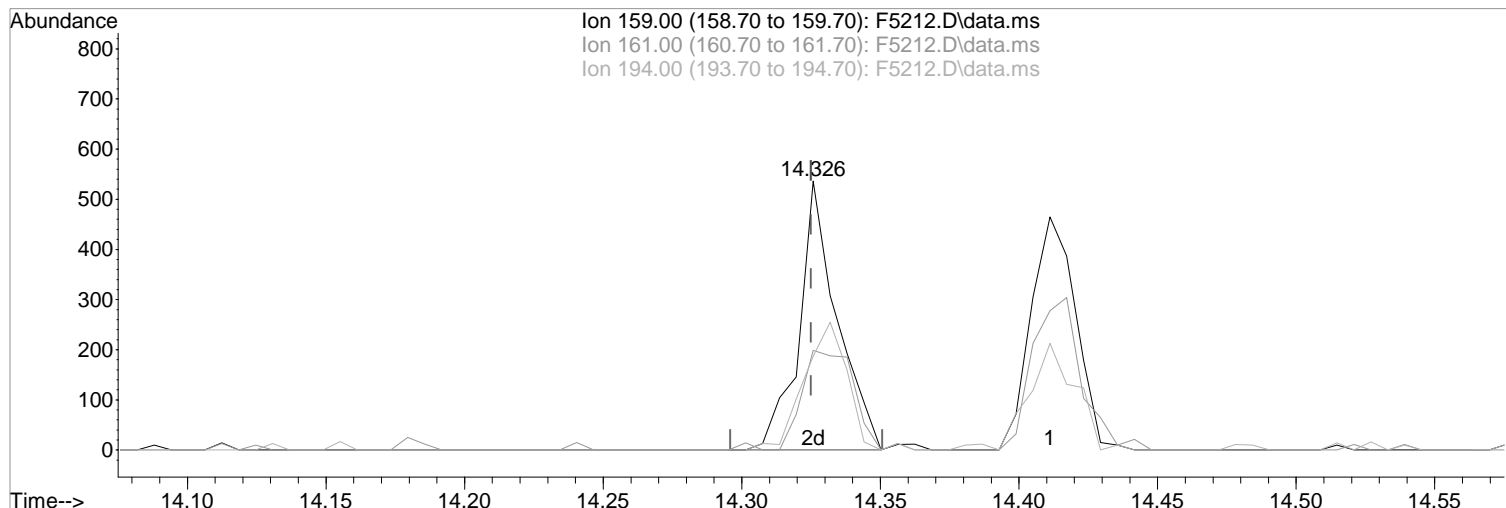
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.674	146	5670	1.01	ug/L	96
105) 1,4-Dclbenz	11.753	146	6159	1.05	ug/L	94
106) 2,4-Dichlorobenzotrifl...	11.820	214	2328	0.85	ug/L	94
107) 2,5-Dichlorobenzotrifl...	11.869	214	2629	0.86	ug/L	97
108) n-Butylbenzene	12.070	91	7285	0.99	ug/L	96
109) 1,2-Dclbenz	12.058	146	5746	1.03	ug/L	95
110) 1,2-Dibromo-3-chloropr...	12.692	157	668	0.77	ug/L	90
111) Trielution Dichlorotol...	12.820	125	11132	2.74	ug/L	89
112) 1,3,5-Trichlorobenzene	12.875	180	3236	0.84	ug/L	89
113) Coelution Dichlorotoluene	13.149	125	7322	1.69	ug/L	92
114) 1,2,4-Tcbenzene	13.363	180	2753	0.78	ug/L	94
115) Hexachlorobt	13.509	225	1801	1.02	ug/L	92
116) Naphthalen	13.545	128	5958	0.64	ug/L	93
117) 1,2,3-Tclbenzene	13.741	180	2442	0.72	ug/L	84
118) 2,4,5-Trichlorotoluene	14.326	159	249	0.27	ug/L	88
119) 2,3,6-Trichlorotoluene	14.411	159	300m	0.29	ug/L	

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

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(118) 2,4,5-Trichlorotoluene

14.326min (+0.001) 0.56 ug/L m

response 510

Ion Exp% Act%

159.00 100 100

161.00 61.80 37.13#

194.00 47.40 34.89

0.00 0.00 0.00

Manual Integration:

After

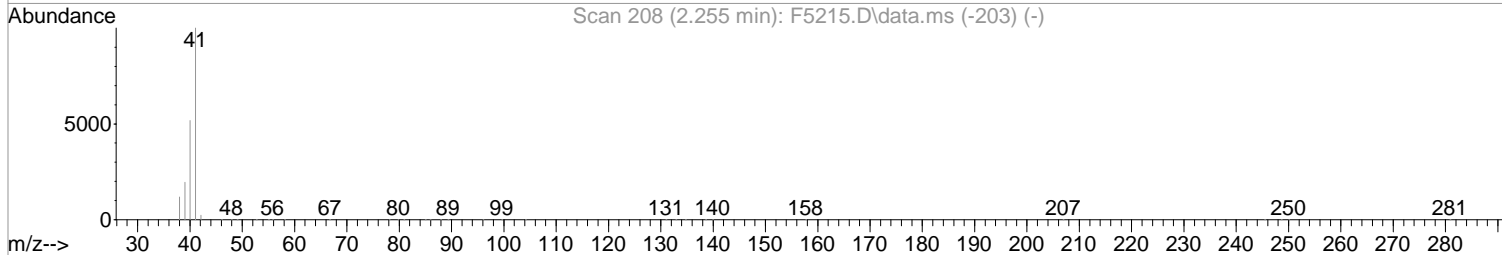
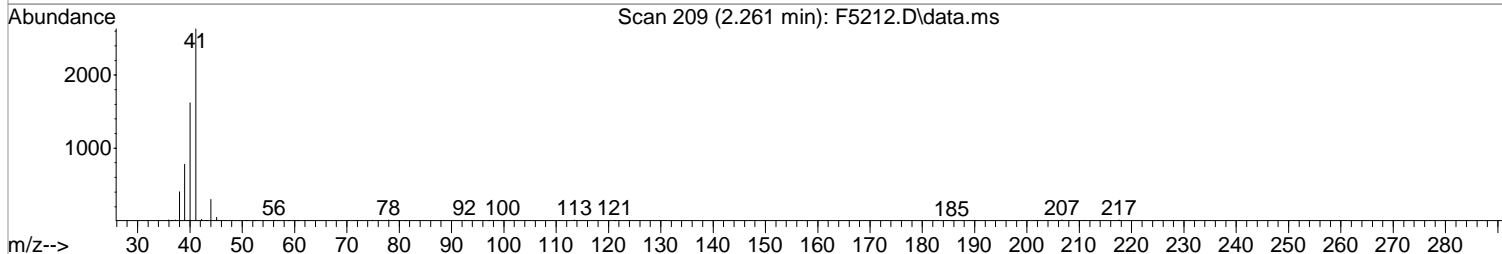
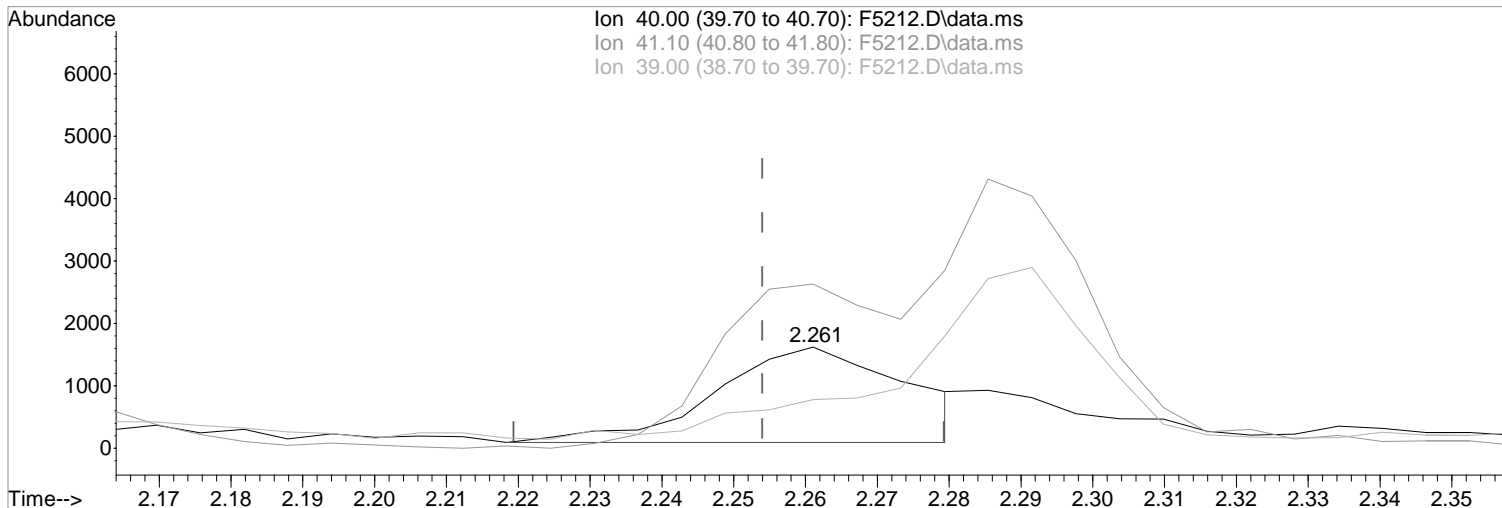
Wrong peak selected.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5212.D
 Acq On : 26 Mar 2019 1:37 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:02:20 2019
 Response via : Initial Calibration



(19) Acetonitrile
 2.261min (+0.007) 14.65 ug/L m
 response 2812

Manual Integration:

After

Poor integration.

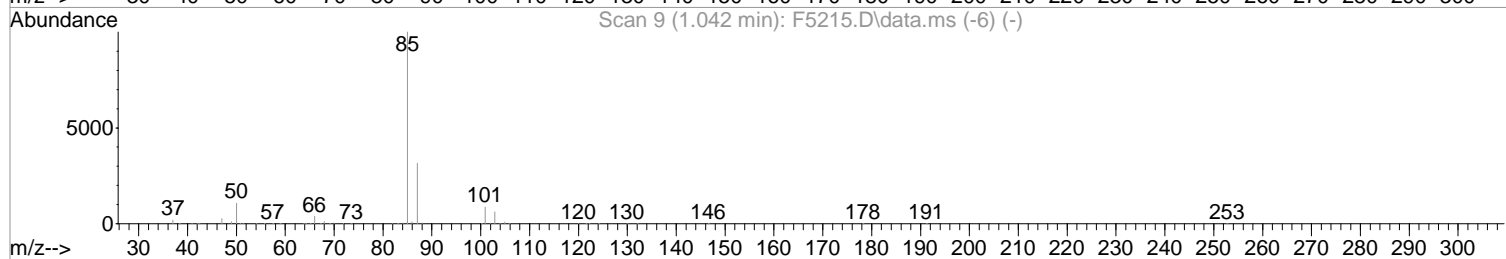
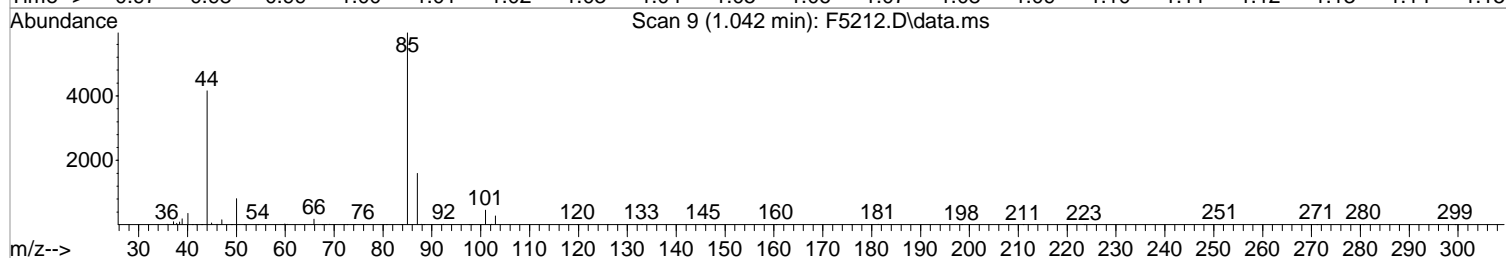
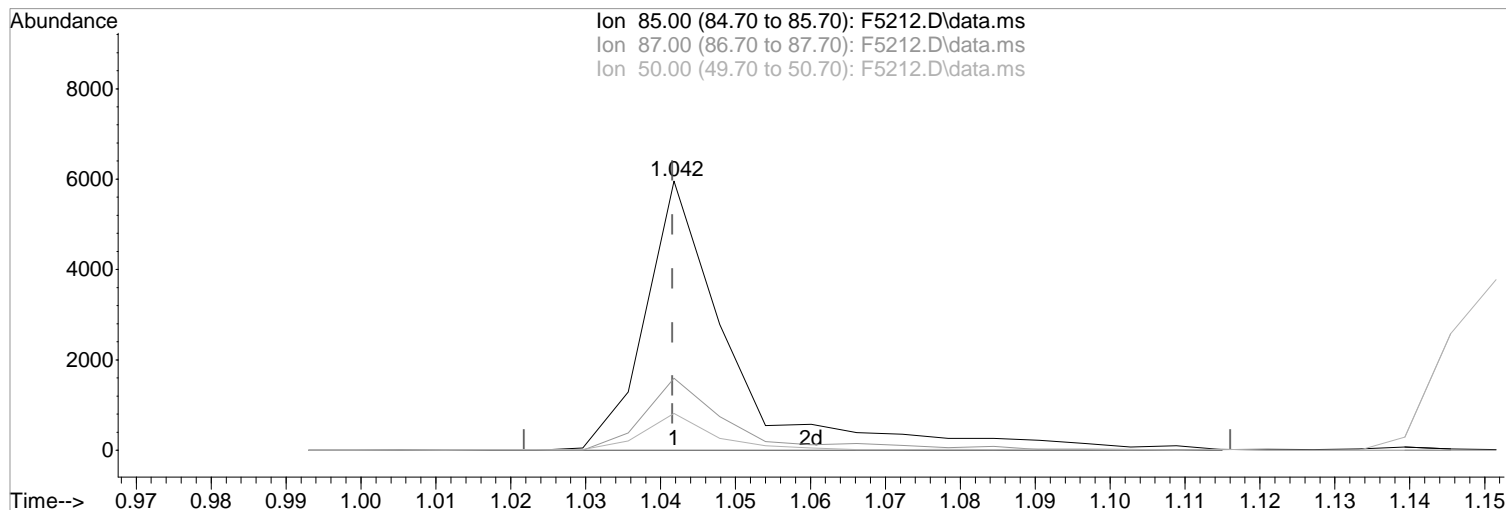
04/01/19

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	162.31
39.00	38.30	48.24
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



(2) Dichlorodifluoromethane (P)

1.042min (+0.000) 1.45 ug/L m
response 4758

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	26.81
50.00	14.00	13.72
0.00	0.00	0.00

Manual Integration:

After

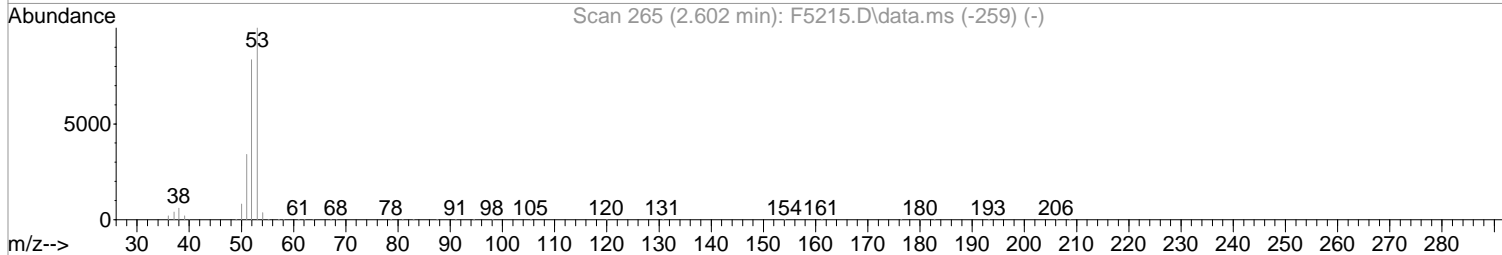
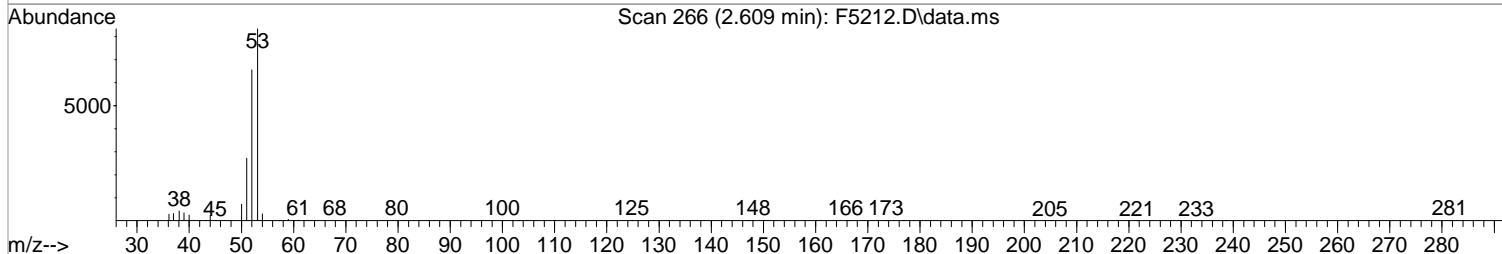
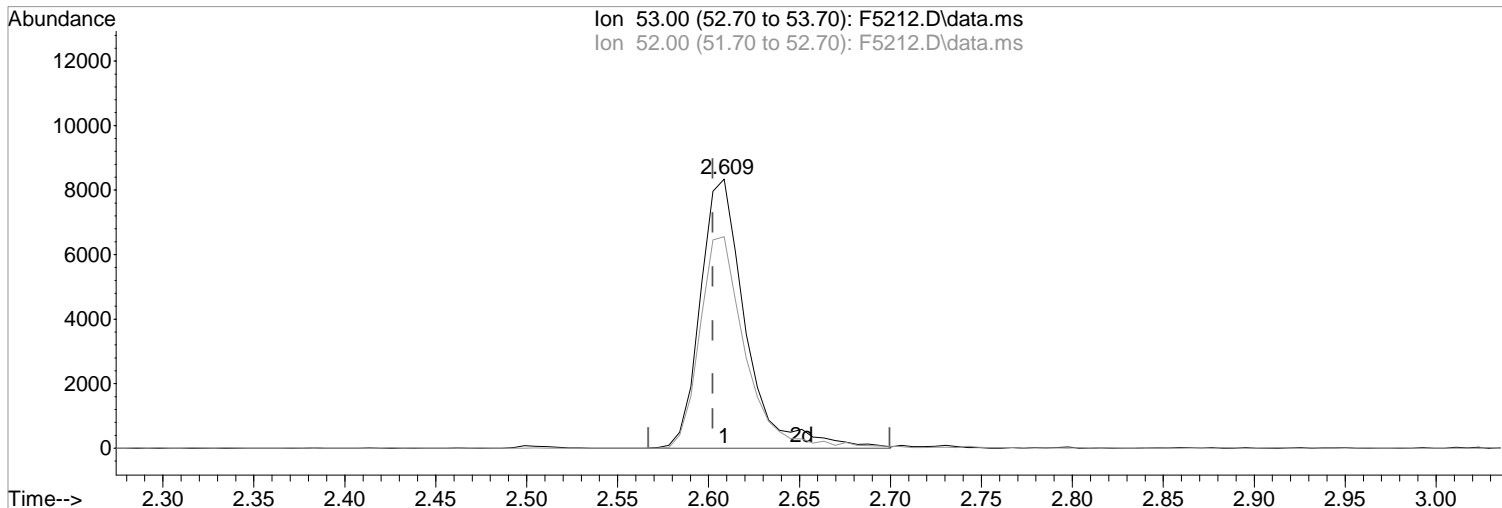
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(24) Acrylonitrile
2.609min (+0.006) 12.85 ug/L m
response 14455

Manual Integration:

After

Poor integration.

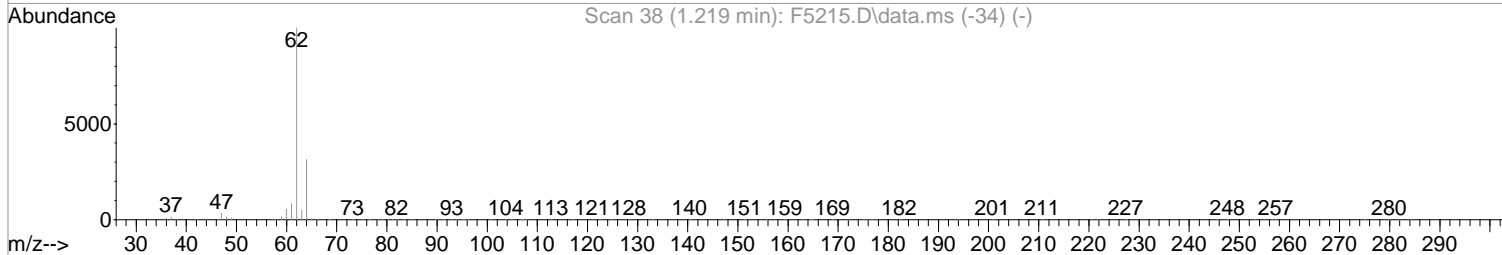
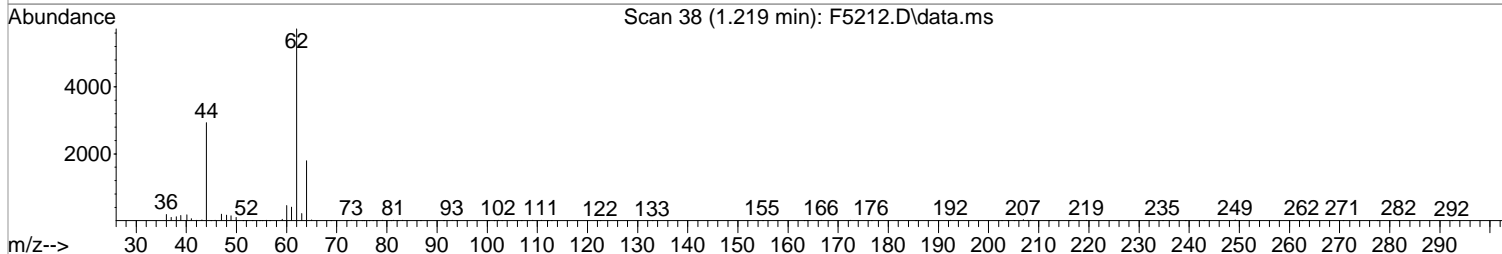
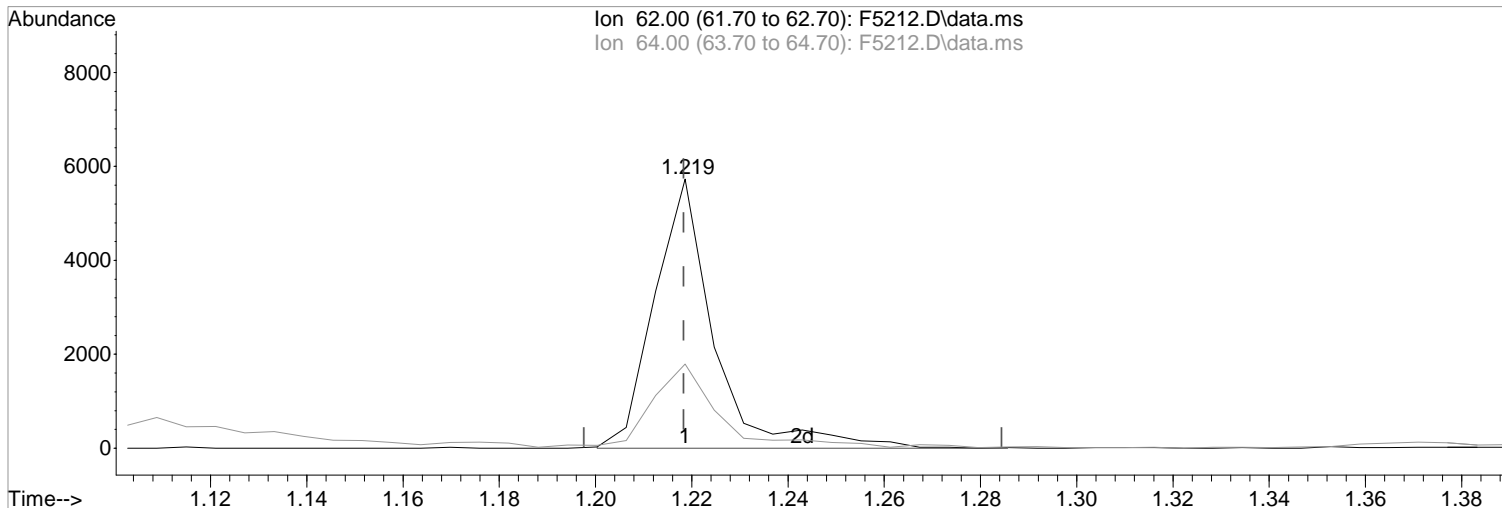
04/01/19

Ion	Exp%	Act%
53.00	100	100
52.00	84.90	78.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



TIC: F5212.D\data.ms

(4) Vinyl Chloride (P)
1.219min (+0.000) 2.48 ug/L m
response 4939

Manual Integration:

After

Poor integration.

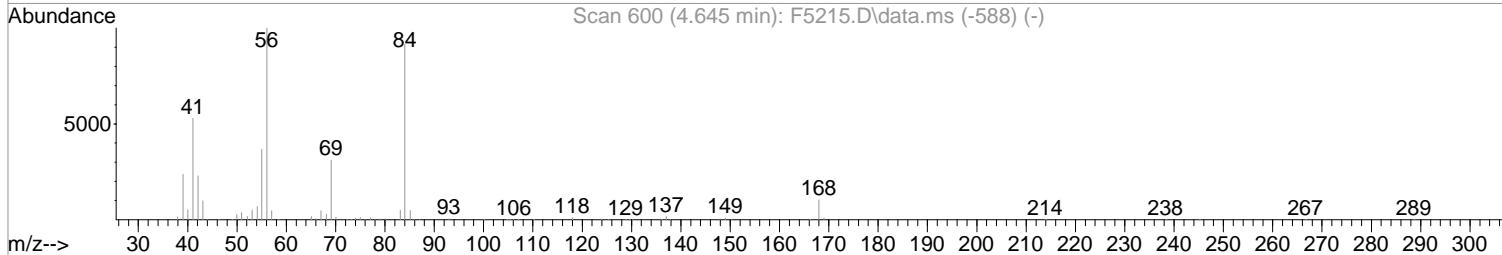
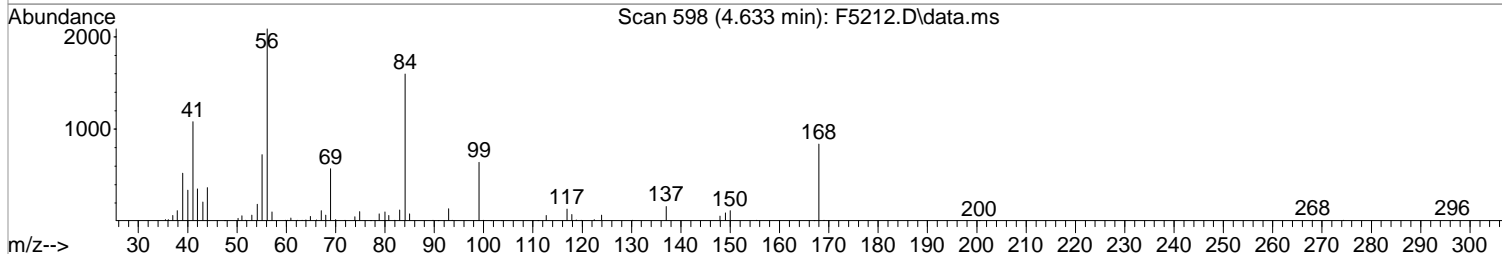
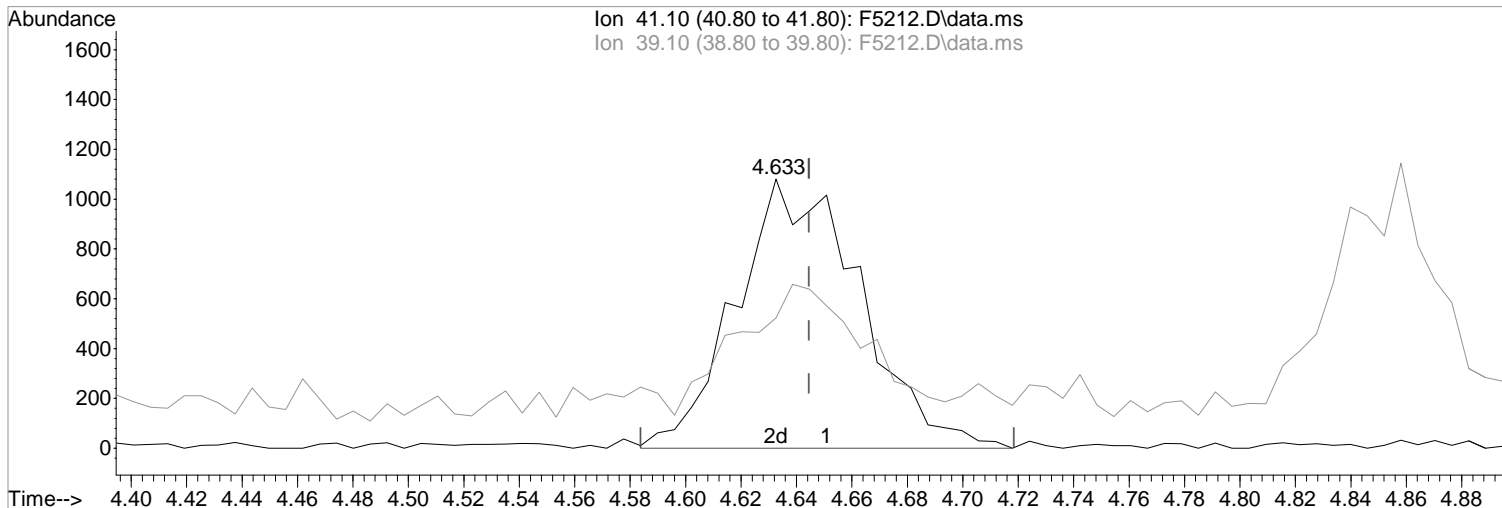
04/01/19

Ion	Exp%	Act%
62.00	100	100
64.00	32.40	31.28
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



(43) Cyclohexane (P)

4.633min (-0.012) 1.90 ug/L m

response 3340

Ion	Exp%	Act%
41.10	100	100
39.10	54.90	48.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

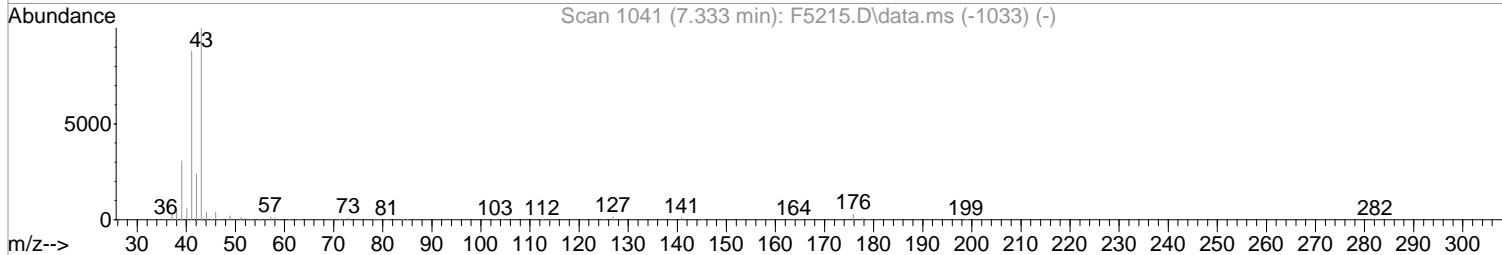
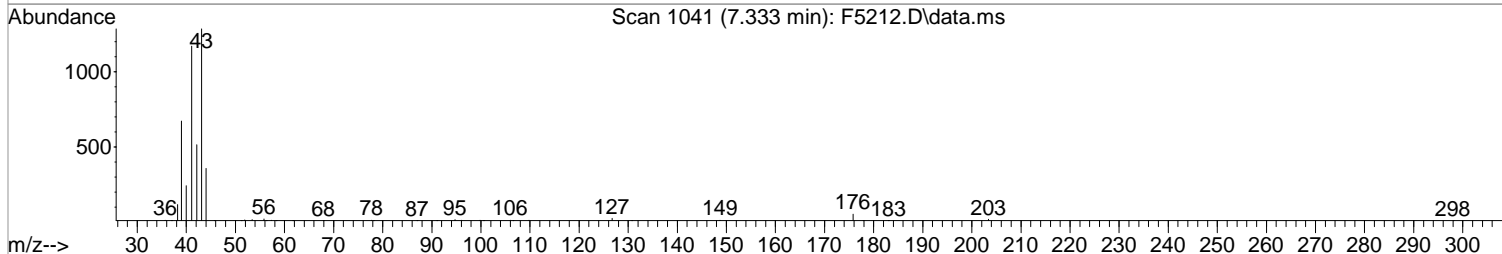
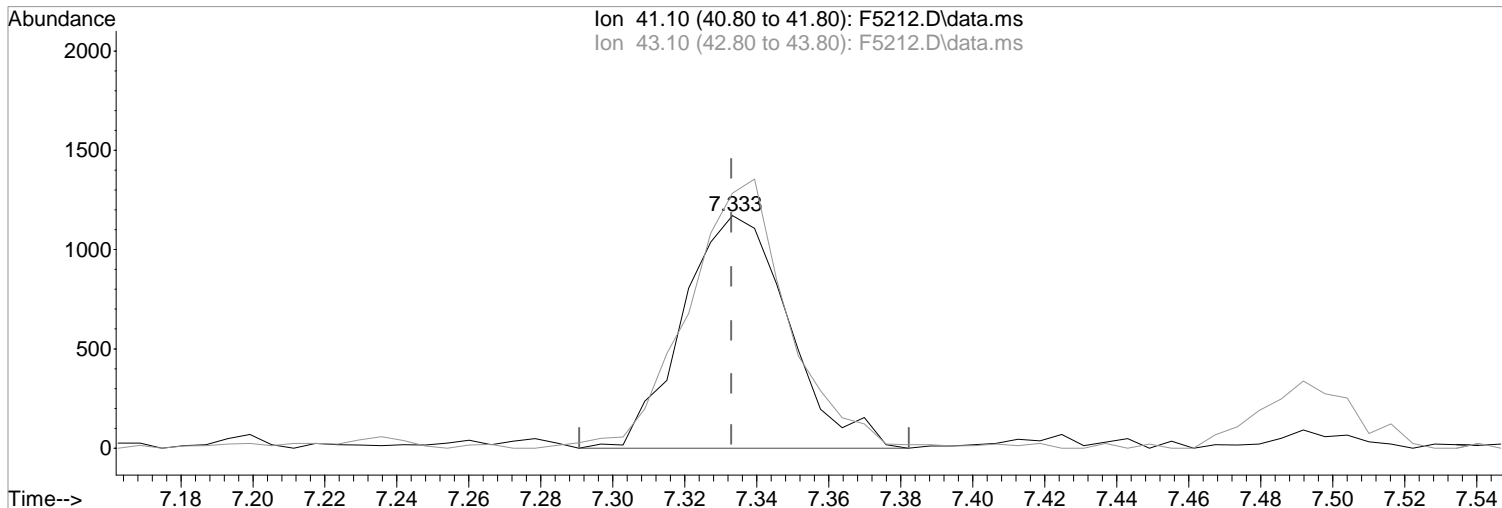
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5212.D
Acq On : 26 Mar 2019 1:37 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 14:05:06 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:02:20 2019
Response via : Initial Calibration



(60) 2-Nitropropane
7.333min (+0.000) 3.86 ug/L m
response 2386

Manual Integration:
After
Poor integration.

Ion	Exp%	Act%
41.10	100	100
43.10	111.10	109.74
0.00	0.00	0.00
0.00	0.00	0.00

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5212.D
 Acq On : 26 Mar 2019 1:37 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:02:20 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	255666	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	384660	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	335679	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	179422	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	29715	12.59	ug/L	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	25.18%#
47) surr1,1,2-dichloroetha...	5.120	65	34899	13.31	ug/L	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	26.62%#
64) SURR3,Toluene-d8	7.943	98	123351	13.55	ug/L	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	27.10%#
69) SURR2,BFB	10.723	95	47535	13.94	ug/L	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	27.88%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	4758m	1.45	ug/L	
3) Chloromethane	1.152	50	6071	2.47	ug/L	92
4) Vinyl Chloride	1.219	62	4939m	2.48	ug/L	
5) Bromomethane	1.408	94	4419	3.15	ug/L	97
6) Chloroethane	1.481	64	3099	2.92	ug/L	96
7) Freon 21	1.603	67	7689	3.02	ug/L	97
8) Trichlorofluoromethane	1.651	101	5760	2.35	ug/L	88
9) Diethyl Ether	1.847	59	4715	2.52	ug/L	93
10) Freon 123a	1.847	67	4716	2.19	ug/L	93
11) Freon 123	1.889	83	5218	1.94	ug/L	91
12) Acrolein	1.932	56	6844	11.65	ug/L	96
13) 1,1-Dicethene	2.011	96	3689	1.88	ug/L	94
14) Freon 113	2.011	101	3087	1.66	ug/L	91
15) Acetone	2.048	43	3073	2.70	ug/L	93
16) 2-Propanol	2.164	45	10144	48.32	ug/L	97
17) Iodomethane	2.121	142	2461	0.92	ug/L	86
18) Carbon Disulfide	2.176	76	9299	1.71	ug/L	99
19) Acetonitrile	2.261	40	2812m	14.65	ug/L	
20) Allyl Chloride	2.285	76	2068	1.81	ug/L	# 81
21) Methyl Acetate	2.316	43	5260	2.50	ug/L	97
22) Methylene Chloride	2.389	84	5301	2.25	ug/L	97
23) TBA	2.505	59	16904	46.38	ug/L	92
24) Acrylonitrile	2.609	53	14455m	12.85	ug/L	
25) Methyl-t-Butyl Ether	2.657	73	15839	2.23	ug/L	93
26) trans-1,2-Dichloroethene	2.645	96	4227	1.92	ug/L	89
27) 1,1-Dicethane	3.066	63	7895	2.10	ug/L	92
28) Vinyl Acetate	3.151	86	992	1.92	ug/L	# 88
29) DIPE	3.182	45	14276	2.30	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.176	53	4796	1.73	ug/L	97
31) ETBE	3.633	59	13902	2.17	ug/L	98
32) 2,2-Dichloropropane	3.779	77	5249	1.66	ug/L	97
33) cis-1,2-Dichloroethene	3.785	96	5142	2.06	ug/L	93
34) 2-Butanone	3.834	43	3837	2.66	ug/L	91
35) Propionitrile	3.895	54	5741	12.71	ug/L	96
36) Bromochloromethane	4.120	130	3781	2.14	ug/L	91
37) Methacrylonitrile	4.127	67	2921	2.42	ug/L	93
38) Tetrahydrofuran	4.212	42	2464	2.67	ug/L	87
39) Chloroform	4.279	83	8361	2.20	ug/L	90
40) 1,1,1-Trichloroethane	4.547	97	5575	1.71	ug/L	92

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5212.D
 Acq On : 26 Mar 2019 1:37 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:02:20 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.517	73	13417	2.08	ug/L	94
43) Cyclohexane	4.633	41	3340m	1.90	ug/L	
45) Carbontetrachloride	4.840	117	4391	1.51	ug/L	86
46) 1,1-Dichloropropene	4.852	75	4939	1.67	ug/L	91
48) Benzene	5.218	78	18094	1.93	ug/L	93
49) 1,2-Dichloroethane	5.260	62	7171	2.20	ug/L	95
50) Iso-Butyl Alcohol	5.260	43	6711	43.14	ug/L	84
51) n-Heptane	5.797	43	4050	1.73	ug/L	93
52) 1-Butanol	6.370	56	10625	97.92	ug/L	92
53) Trichloroethene	6.309	130	4758	1.71	ug/L	89
54) Methylcyclohexane	6.565	55	4411	1.76	ug/L	95
55) 1,2-Diclpropane	6.608	63	4643	1.90	ug/L	87
56) Dibromomethane	6.766	93	3587	2.11	ug/L	89
57) 1,4-Dioxane	6.858	88	2077	42.83	ug/L	98
58) Methyl Methacrylate	6.888	69	4259	2.02	ug/L	89
59) Bromodichloromethane	7.028	83	6195	2.06	ug/L	96
60) 2-Nitropropane	7.333	41	2386m	3.86	ug/L	
61) 2-Chloroethylvinyl Ether	7.498	63	826	1.75	ug/L	73
62) cis-1,3-Dichloropropene	7.620	75	7557	1.92	ug/L	93
63) 4-Methyl-2-pentanone	7.864	43	6124	2.26	ug/L	98
65) Toluene	8.028	91	19358	1.88	ug/L	98
66) trans-1,3-Dichloropropene	8.327	75	6391	1.77	ug/L	96
67) Ethyl Methacrylate	8.504	69	6845	1.90	ug/L	98
68) 1,1,2-Trichloroethane	8.522	97	5210	2.05	ug/L	94
71) Tetrachloroethene	8.668	164	3831	1.66	ug/L	92
72) 2-Hexanone	8.870	43	4448	2.25	ug/L	92
73) 1,3-Dichloropropane	8.711	76	9023	2.17	ug/L	99
74) Dibromochloromethane	8.961	129	4523	1.80	ug/L	87
75) N-Butyl Acetate	9.052	43	8120	2.22	ug/L	93
76) 1,2-Dibromoethane	9.059	107	5300	2.00	ug/L	97
77) 3-Chlorobenzotrifluoride	9.650	180	6240	1.58	ug/L	93
78) Chlorobenzene	9.607	112	13650	1.96	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	5646	1.60	ug/L	92
80) 1,1,1,2-Tetrachloroethane	9.705	131	4091	1.72	ug/L	96
81) Ethylbenzene	9.741	106	6448	1.79	ug/L	97
82) (m+p)Xylene	9.869	106	15463	3.46	ug/L	94
83) o-Xylene	10.247	106	7890	1.80	ug/L	90
84) Styrene	10.259	104	13752	1.88	ug/L	91
85) Bromoform	10.406	173	2651	1.50	ug/L	91
86) 2-Chlorobenzotrifluoride	10.509	180	6186	1.59	ug/L	93
87) Isopropylbenzene	10.601	105	18613	1.70	ug/L	95
88) Cyclohexanone	10.656	55	22604	43.21	ug/L	91
89) trans-1,4-Dichloro-2-B...	10.930	53	1575	2.02	ug/L	93
91) 1,1,2,2-Tetrachloroethane	10.881	83	7515	2.27	ug/L	96
92) Bromobenzene	10.845	156	6064	1.96	ug/L	96
93) 1,2,3-Trichloropropane	10.900	110	2713	2.31	ug/L #	84
94) n-Propylbenzene	10.979	91	21240	1.85	ug/L	97
95) 2-Chlorotoluene	11.034	91	13905	1.97	ug/L	98
96) 3-Chlorotoluene	11.089	91	14542	2.06	ug/L	94
97) 4-Chlorotoluene	11.131	91	16257	2.01	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	15517	1.85	ug/L	95
99) tert-Butylbenzene	11.418	119	12899	1.71	ug/L	94
100) 1,2,4-Trimethylbenzene	11.454	105	16048	1.93	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.528	214	4800	1.64	ug/L	82
102) sec-Butylbenzene	11.607	105	18155	1.73	ug/L	94
103) p-Isopropyltoluene	11.735	119	16339	1.81	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5212.D
 Acq On : 26 Mar 2019 1:37 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 14:05:06 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:02:20 2019
 Response via : Initial Calibration

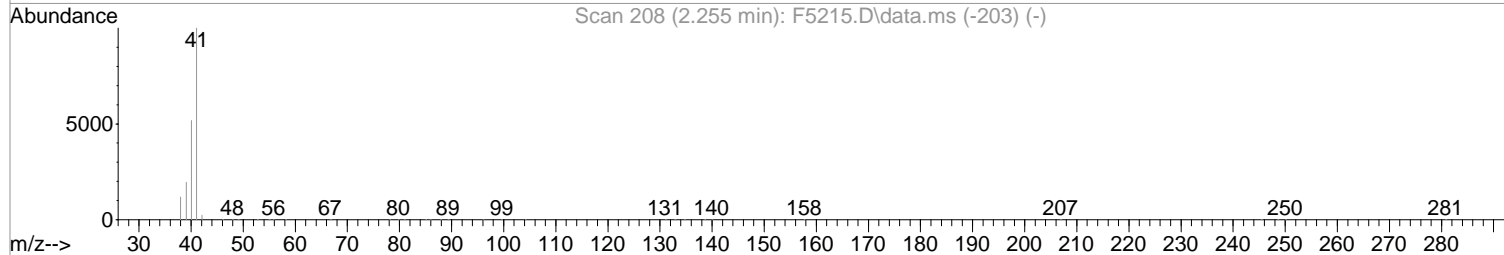
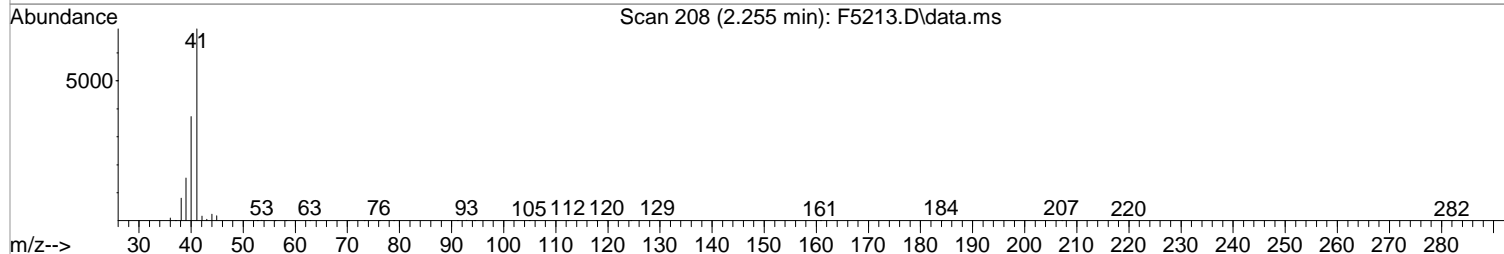
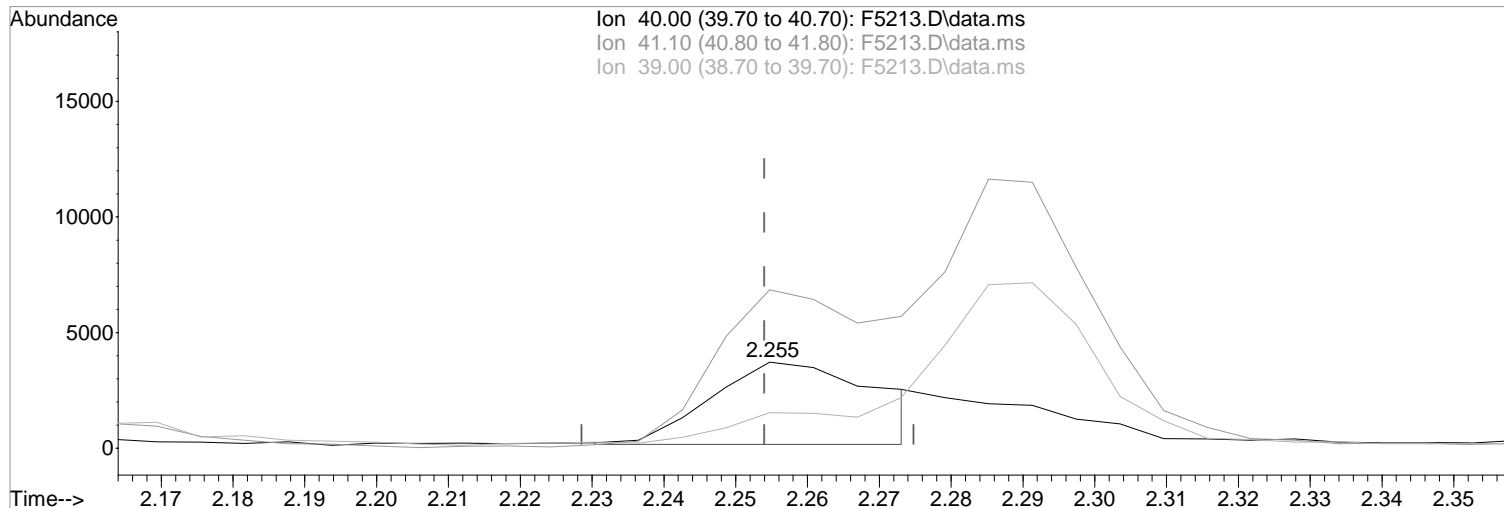
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	10312	1.84	ug/L	98
105) 1,4-Dclbenz	11.753	146	11448	1.96	ug/L	95
106) 2,4-Dichlorobenzotrifl...	11.826	214	4365	1.64	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.869	214	5076	1.70	ug/L	97
108) n-Butylbenzene	12.076	91	13052	1.76	ug/L	94
109) 1,2-Dclbenz	12.058	146	11244	2.00	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.698	157	1462	1.73	ug/L	83
111) Trielution Dichlorotol...	12.826	125	21256	5.21	ug/L	95
112) 1,3,5-Trichlorobenzene	12.875	180	6879	1.80	ug/L	95
113) Coelution Dichlorotoluene	13.149	125	15296	3.54	ug/L	94
114) 1,2,4-Tcbenzene	13.363	180	5716	1.61	ug/L	93
115) Hexachlorobt	13.503	225	2712	1.55	ug/L	90
116) Naphthalen	13.545	128	14028	1.51	ug/L	98
117) 1,2,3-Tclbenzene	13.741	180	5262	1.55	ug/L	90
118) 2,4,5-Trichlorotoluene	14.326	159	510m	0.56	ug/L	
119) 2,3,6-Trichlorotoluene	14.411	159	524	0.50	ug/L	99

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

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (+0.001) 27.63 ug/L m
response 5705

Manual Integration:

After

Poor integration.

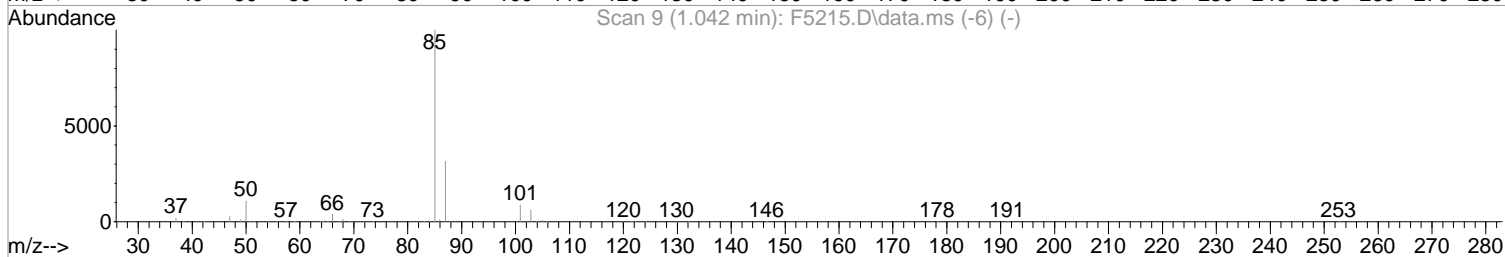
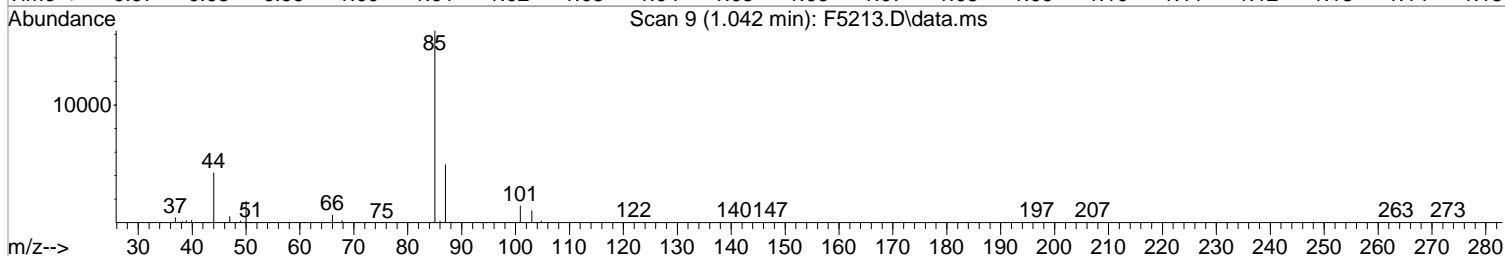
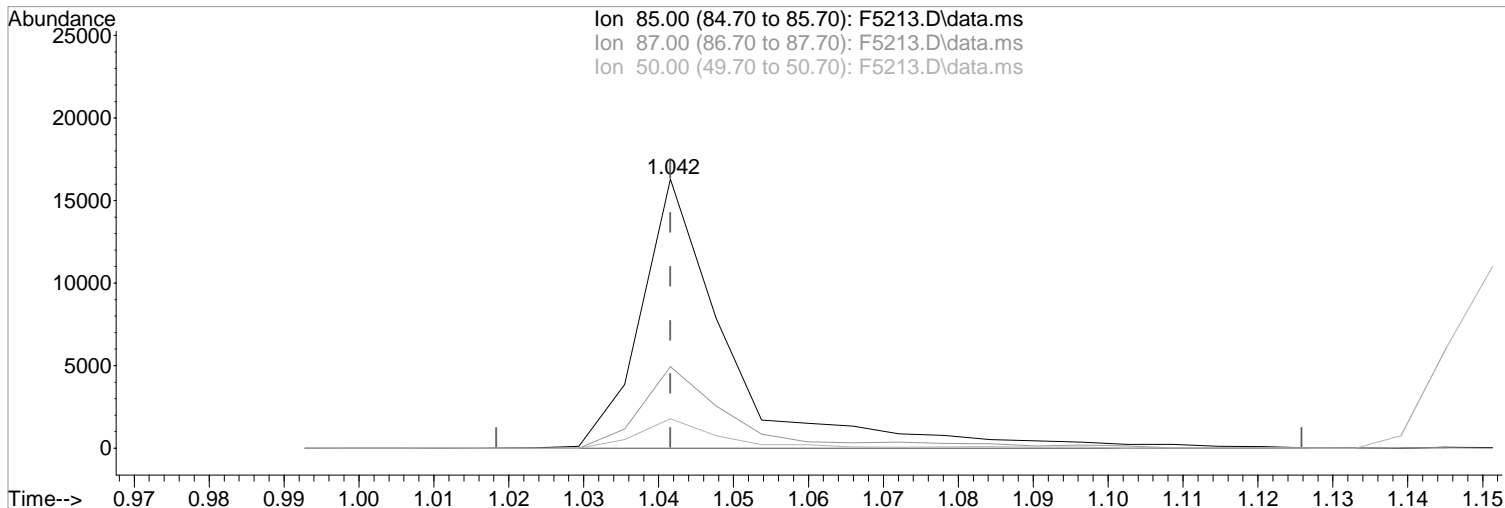
04/01/19

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	184.32
39.00	38.30	41.15
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration



TIC: F5213.D\data.ms

(2) Dichlorodifluoromethane (P)

1.042min (-0.000) 4.09 ug/L m

response 13310

Ion	Exp%	Act%
85.00	100	100
87.00	33.30	30.29
50.00	14.00	11.00
0.00	0.00	0.00

Manual Integration:

After

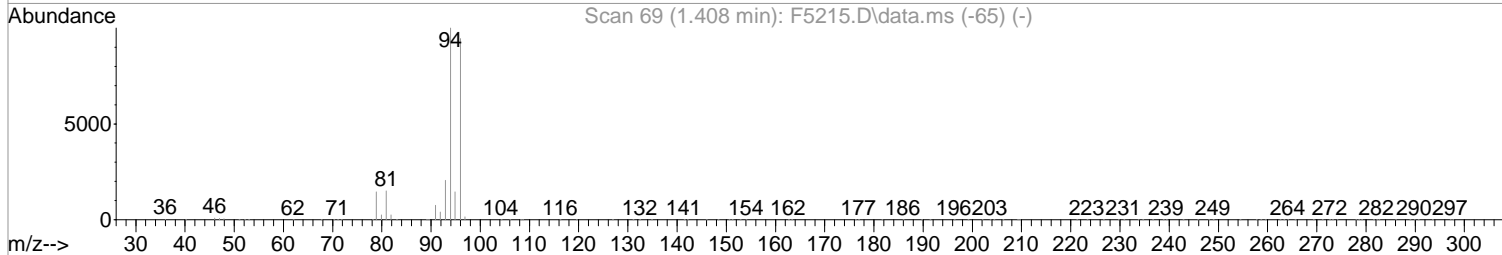
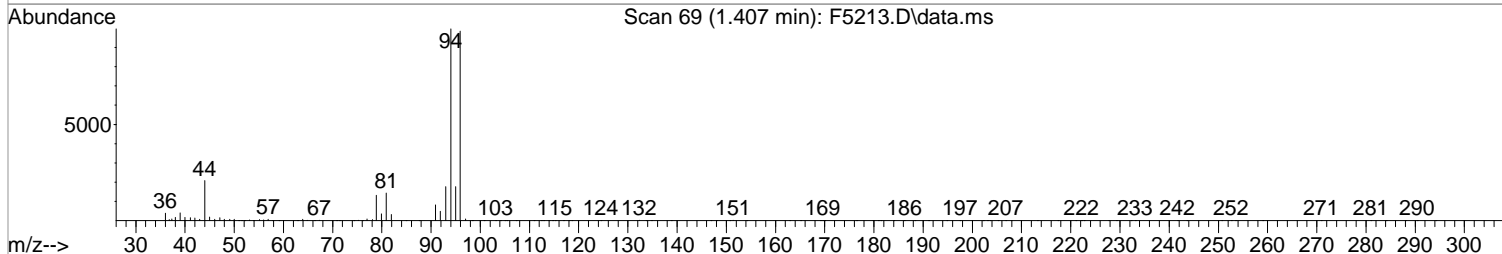
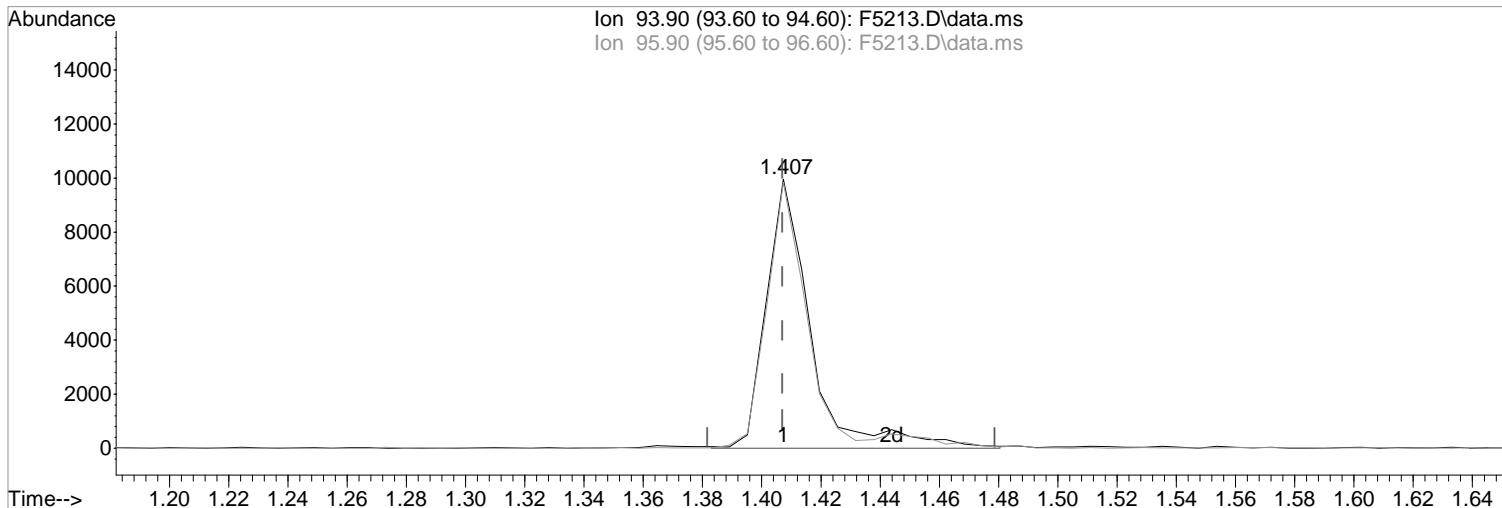
Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5213.D
Acq On : 26 Mar 2019 1:59 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:54:18 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 14:05:21 2019
Response via : Initial Calibration



TIC: F5213.D\data.ms

(5) Bromomethane (P)
1.407min (+0.000) 6.77 ug/L m
response 10392

Manual Integration:

After

Poor integration.

04/01/19

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	98.79
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5213.D
 Acq On : 26 Mar 2019 1:59 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:05:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	259322	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	387785	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.576	117	340757	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	181987	50.00	ug/L	0.00

System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	29835	12.54	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	25.08%#	
47) surr1,1,2-dichloroetha...	5.120	65	35337	13.37	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	26.74%#	
64) SURR3,Toluene-d8	7.949	98	120302	13.11	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	26.22%#	
69) SURR2,BFB	10.723	95	46917	13.65	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	27.30%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	13310m	4.09	ug/L	
3) Chloromethane	1.151	50	15927	6.03	ug/L	93
4) Vinyl Chloride	1.218	62	14551	6.86	ug/L	94
5) Bromomethane	1.407	94	10392m	6.77	ug/L	
6) Chloroethane	1.474	64	8967	7.74	ug/L	94
7) Freon 21	1.602	67	22734	8.18	ug/L	97
8) Trichlorofluoromethane	1.645	101	16597	6.50	ug/L	98
9) Diethyl Ether	1.846	59	11992	6.08	ug/L	97
10) Freon 123a	1.846	67	13270	6.00	ug/L	99
11) Freon 123	1.889	83	15599	5.73	ug/L	97
12) Acrolein	1.932	56	15679	25.68	ug/L	94
13) 1,1-Dicethene	2.011	96	10036	4.99	ug/L	95
14) Freon 113	2.011	101	9709	5.22	ug/L	96
15) Acetone	2.047	43	6841	5.71	ug/L	96
16) 2-Propanol	2.163	45	23293	105.90	ug/L	98
17) Iodomethane	2.121	142	10210	3.88	ug/L	96
18) Carbon Disulfide	2.175	76	27035	4.90	ug/L	97
19) Acetonitrile	2.255	40	5705m	27.63	ug/L	
20) Allyl Chloride	2.291	76	5726	4.98	ug/L	# 82
21) Methyl Acetate	2.310	43	13327	6.08	ug/L	93
22) Methylene Chloride	2.389	84	13579	5.54	ug/L	95
23) TBA	2.505	59	39973	105.84	ug/L	97
24) Acrylonitrile	2.602	53	35761	30.15	ug/L	89
25) Methyl-t-Butyl Ether	2.657	73	40022	5.47	ug/L	95
26) trans-1,2-Dichloroethene	2.645	96	11501	5.16	ug/L	86
27) 1,1-Dicethane	3.066	63	22411	5.78	ug/L	98
28) Vinyl Acetate	3.151	86	2701	5.13	ug/L	# 56
29) DIPE	3.187	45	38835	6.03	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.175	53	14131	5.08	ug/L	96
31) ETBE	3.639	59	35605	5.41	ug/L	97
32) 2,2-Dichloropropane	3.779	77	15441	4.87	ug/L	94
33) cis-1,2-Dichloroethene	3.791	96	13858	5.42	ug/L	87
34) 2-Butanone	3.834	43	8885	5.83	ug/L	88
35) Propionitrile	3.895	54	14109	29.42	ug/L	97
36) Bromochloromethane	4.120	130	9461	5.22	ug/L	99
37) Methacrylonitrile	4.120	67	7474	5.91	ug/L	93
38) Tetrahydrofuran	4.224	42	5701	5.78	ug/L	81
39) Chloroform	4.279	83	21565	5.48	ug/L	97
40) 1,1,1-Trichloroethane	4.547	97	16457	5.03	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5213.D
 Acq On : 26 Mar 2019 1:59 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:54:18 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:05:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	35340	5.36	ug/L	98
43) Cyclohexane	4.645	41	9702	5.52	ug/L	92
45) Carbontetrachloride	4.840	117	12535	4.37	ug/L	93
46) 1,1-Dichloropropene	4.846	75	14780	5.00	ug/L	97
48) Benzene	5.218	78	50696	5.33	ug/L	98
49) 1,2-Dichloroethane	5.254	62	18067	5.40	ug/L	95
50) Iso-Butyl Alcohol	5.266	43	16346	102.03	ug/L	85
51) n-Heptane	5.803	43	12144	5.16	ug/L	100
52) 1-Butanol	6.370	56	25415	229.14	ug/L	97
53) Trichloroethene	6.303	130	13891	5.00	ug/L	97
54) Methylcyclohexane	6.571	55	13589	5.40	ug/L	93
55) 1,2-Diclpropane	6.608	63	13611	5.51	ug/L	93
56) Dibromomethane	6.766	93	8835	5.11	ug/L #	77
57) 1,4-Dioxane	6.857	88	5262	105.06	ug/L	100
58) Methyl Methacrylate	6.888	69	10896	5.09	ug/L	93
59) Bromodichloromethane	7.028	83	15218	4.96	ug/L	98
60) 2-Nitropropane	7.333	41	5716	9.08	ug/L	96
61) 2-Chloroethylvinyl Ether	7.485	63	2189	4.52	ug/L	90
62) cis-1,3-Dichloropropene	7.626	75	20104	5.03	ug/L	95
63) 4-Methyl-2-pentanone	7.863	43	15625	5.63	ug/L	95
65) Toluene	8.028	91	52740	5.09	ug/L	96
66) trans-1,3-Dichloropropene	8.327	75	17485	4.82	ug/L	95
67) Ethyl Methacrylate	8.504	69	17560	4.82	ug/L	92
68) 1,1,2-Trichloroethane	8.522	97	13200	5.10	ug/L	98
71) Tetrachloroethene	8.668	164	10337	4.43	ug/L	96
72) 2-Hexanone	8.863	43	11028	5.37	ug/L	97
73) 1,3-Dichloropropane	8.711	76	22823	5.36	ug/L	94
74) Dibromochloromethane	8.955	129	11091	4.35	ug/L	94
75) N-Butyl Acetate	9.052	43	20259	5.37	ug/L	97
76) 1,2-Dibromoethane	9.058	107	12958	4.82	ug/L	90
77) 3-Chlorobenzotrifluoride	9.650	180	18542	4.76	ug/L	93
78) Chlorobenzene	9.607	112	35543	5.03	ug/L	98
79) 4-Chlorobenzotrifluoride	9.711	180	16180	4.59	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.704	131	11508	4.83	ug/L	95
81) Ethylbenzene	9.741	106	18300	5.06	ug/L	93
82) (m+p)Xylene	9.869	106	44837	10.01	ug/L	93
83) o-Xylene	10.247	106	22072	5.00	ug/L	97
84) Styrene	10.259	104	36545	4.92	ug/L	97
85) Bromoform	10.412	173	7152	4.07	ug/L	100
86) 2-Chlorobenzotrifluoride	10.509	180	18219	4.71	ug/L	96
87) Isopropylbenzene	10.601	105	53807	4.91	ug/L	100
88) Cyclohexanone	10.656	55	59187	109.29	ug/L	90
89) trans-1,4-Dichloro-2-B...	10.930	53	4136	5.19	ug/L	97
91) 1,1,2,2-Tetrachloroethane	10.875	83	18855	5.52	ug/L	97
92) Bromobenzene	10.845	156	15595	4.97	ug/L	99
93) 1,2,3-Trichloropropane	10.899	110	6403	5.29	ug/L	94
94) n-Propylbenzene	10.973	91	61833	5.32	ug/L	96
95) 2-Chlorotoluene	11.034	91	39665	5.50	ug/L	100
96) 3-Chlorotoluene	11.088	91	39406	5.45	ug/L	95
97) 4-Chlorotoluene	11.131	91	45662	5.51	ug/L	97
98) 1,3,5-Trimethylbenzene	11.137	105	45735	5.41	ug/L	99
99) tert-Butylbenzene	11.418	119	39136	5.19	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	45387	5.36	ug/L	95
101) 3,4-Dichlorobenzotrifl...	11.527	214	14248	4.85	ug/L	97
102) sec-Butylbenzene	11.607	105	55464	5.24	ug/L	99
103) p-Isopropyltoluene	11.735	119	47721	5.24	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5213.D
 Acq On : 26 Mar 2019 1:59 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 15:54:18 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 14:05:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	28615	5.09	ug/L	96
105) 1,4-Dclbenz	11.753	146	29594	5.00	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.826	214	13004	4.90	ug/L	96
107) 2,5-Dichlorobenzotrifl...	11.869	214	14957	4.98	ug/L	96
108) n-Butylbenzene	12.076	91	39774	5.30	ug/L	99
109) 1,2-Dclbenz	12.058	146	28326	4.96	ug/L	96
110) 1,2-Dibromo-3-chloropr...	12.698	157	3703	4.32	ug/L #	84
111) Trielution Dichlorotol...	12.826	125	64469	15.59	ug/L	96
112) 1,3,5-Trichlorobenzene	12.875	180	19350	4.96	ug/L	96
113) Coelution Dichlorotoluene	13.149	125	45980	10.46	ug/L	96
114) 1,2,4-Tcbenzene	13.356	180	17822	4.93	ug/L	96
115) Hexachlorobt	13.503	225	8607	4.96	ug/L	91
116) Naphthalen	13.545	128	46507	4.90	ug/L	97
117) 1,2,3-Tclbenzene	13.734	180	16588	4.83	ug/L	97
118) 2,4,5-Trichlorotoluene	14.332	159	2412	2.60	ug/L	97
119) 2,3,6-Trichlorotoluene	14.411	159	2847	2.71	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5214.D
 Acq On : 26 Mar 2019 2:21 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:26:44 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	259934	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	387802	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	340654	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	186870	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	48480	19.57	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	39.14%#		
47) surr1,1,2-dichloroetha...	5.120	65	56753	20.53	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	41.06%#		
64) SURR3,Toluene-d8	7.949	98	197876	20.71	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	41.42%#		
69) SURR2,BFB	10.723	95	75477	20.86	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	41.72%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	69121	21.36	ug/L	98
3) Chloromethane	1.151	50	72325	25.66	ug/L	98
4) Vinyl Chloride	1.218	62	68363	30.16	ug/L	98
5) Bromomethane	1.414	94	40351	24.46	ug/L	95
6) Chloroethane	1.481	64	40319	31.75	ug/L	99
7) Freon 21	1.603	67	88439	28.98	ug/L	99
8) Trichlorofluoromethane	1.651	101	74393	27.67	ug/L	96
9) Diethyl Ether	1.846	59	50251	24.51	ug/L	97
10) Freon 123a	1.846	67	53109	23.30	ug/L	96
11) Freon 123	1.895	83	60752	21.89	ug/L	99
12) Acrolein	1.932	56	68043	109.94	ug/L	98
13) 1,1-Dicethene	2.011	96	48116	23.78	ug/L #	88
14) Freon 113	2.017	101	41963	22.31	ug/L	92
15) Acetone	2.048	43	25930	20.81	ug/L	87
16) 2-Propanol	2.157	45	106351	473.20	ug/L	94
17) Iodomethane	2.121	142	58246	22.49	ug/L	95
18) Carbon Disulfide	2.176	76	105115	18.87	ug/L	98
19) Acetonitrile	2.255	40	28000	132.62	ug/L	95
20) Allyl Chloride	2.291	76	26961	23.31	ug/L #	82
21) Methyl Acetate	2.310	43	55345	24.42	ug/L	98
22) Methylene Chloride	2.389	84	58091	23.13	ug/L	98
23) TBA	2.505	59	179566	467.10	ug/L	97
24) Acrylonitrile	2.602	53	153192	124.36	ug/L	97
25) Methyl-t-Butyl Ether	2.657	73	174837	23.42	ug/L	94
26) trans-1,2-Dichloroethene	2.645	96	52261	23.18	ug/L	98
27) 1,1-Dicethane	3.066	63	97677	24.60	ug/L	99
28) Vinyl Acetate	3.151	86	11601	21.71	ug/L #	86
29) DIPE	3.181	45	153838	23.04	ug/L	92
30) 2-Chloro-1,3-Butadiene	3.175	53	56089	20.02	ug/L	99
31) ETBE	3.639	59	146011	21.80	ug/L	96
32) 2,2-Dichloropropane	3.785	77	70721	22.17	ug/L	97
33) cis-1,2-Dichloroethene	3.785	96	59961	23.05	ug/L	94
34) 2-Butanone	3.828	43	38441	24.40	ug/L	99
35) Propionitrile	3.889	54	63920	128.14	ug/L	94
36) Bromochloromethane	4.120	130	42044	22.94	ug/L	97
37) Methacrylonitrile	4.126	67	32277	24.80	ug/L	96
38) Tetrahydrofuran	4.212	42	25302	24.66	ug/L	93
39) Chloroform	4.279	83	95480	23.82	ug/L	97
40) 1,1,1-Trichloroethane	4.553	97	74671	22.71	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5214.D
 Acq On : 26 Mar 2019 2:21 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 15:26:51 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:26:44 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	144415	21.55	ug/L	98
43) Cyclohexane	4.645	41	38212	21.44	ug/L	88
45) Carbontetrachloride	4.840	117	57428	20.28	ug/L	98
46) 1,1-Dichloropropene	4.852	75	68207	23.02	ug/L	97
48) Benzene	5.218	78	219224	22.80	ug/L	97
49) 1,2-Dichloroethane	5.260	62	78697	23.22	ug/L	96
50) Iso-Butyl Alcohol	5.254	43	75405	463.48	ug/L	96
51) n-Heptane	5.803	43	54022	22.64	ug/L	98
52) 1-Butanol	6.370	56	123356	1103.46	ug/L	100
53) Trichloroethene	6.303	130	61270	22.14	ug/L	96
54) Methylcyclohexane	6.565	55	52746	20.76	ug/L	95
55) 1,2-Diclpropane	6.608	63	60251	23.94	ug/L	94
56) Dibromomethane	6.766	93	40263	23.10	ug/L #	77
57) 1,4-Dioxane	6.845	88	24001	477.47	ug/L	96
58) Methyl Methacrylate	6.888	69	50737	23.49	ug/L	100
59) Bromodichloromethane	7.022	83	69333	22.51	ug/L	97
60) 2-Nitropropane	7.333	41	26496	41.37	ug/L	100
61) 2-Chloroethylvinyl Ether	7.485	63	10526	21.31	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	90909	22.56	ug/L	99
63) 4-Methyl-2-pentanone	7.863	43	67422	23.70	ug/L	96
65) Toluene	8.028	91	232773	22.32	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	80039	22.05	ug/L	98
67) Ethyl Methacrylate	8.504	69	84287	23.07	ug/L	97
68) 1,1,2-Trichloroethane	8.528	97	59334	22.79	ug/L	99
71) Tetrachloroethene	8.668	164	44226	19.18	ug/L	97
72) 2-Hexanone	8.863	43	50009	24.01	ug/L	98
73) 1,3-Dichloropropane	8.711	76	101804	23.69	ug/L	94
74) Dibromochloromethane	8.961	129	52337	20.52	ug/L	96
75) N-Butyl Acetate	9.052	43	93451	24.42	ug/L	98
76) 1,2-Dibromoethane	9.058	107	59367	22.08	ug/L	93
77) 3-Chlorobenzotrifluoride	9.650	180	65464	16.99	ug/L	98
78) Chlorobenzene	9.607	112	152733	21.61	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	60804	17.46	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	49989	21.03	ug/L	97
81) Ethylbenzene	9.741	106	78633	21.80	ug/L	99
82) (m+p)Xylene	9.869	106	195640	43.81	ug/L	99
83) o-Xylene	10.247	106	97739	22.18	ug/L	97
84) Styrene	10.259	104	164973	22.25	ug/L	98
85) Bromoform	10.406	173	34068	19.43	ug/L	99
86) 2-Chlorobenzotrifluoride	10.509	180	65556	17.14	ug/L	99
87) Isopropylbenzene	10.601	105	238416	21.87	ug/L	98
88) Cyclohexanone	10.656	55	265624	483.08	ug/L	89
89) trans-1,4-Dichloro-2-B...	10.930	53	18236	22.53	ug/L	97
91) 1,1,2,2-Tetrachloroethane	10.875	83	81061	22.62	ug/L	99
92) Bromobenzene	10.845	156	68678	21.43	ug/L	98
93) 1,2,3-Trichloropropane	10.899	110	28140	22.41	ug/L	97
94) n-Propylbenzene	10.979	91	275957	22.95	ug/L	97
95) 2-Chlorotoluene	11.034	91	171513	22.90	ug/L	99
96) 3-Chlorotoluene	11.088	91	151274	20.14	ug/L	94
97) 4-Chlorotoluene	11.131	91	195425	22.66	ug/L	95
98) 1,3,5-Trimethylbenzene	11.137	105	200425	22.91	ug/L	98
99) tert-Butylbenzene	11.418	119	171144	22.13	ug/L	97
100) 1,2,4-Trimethylbenzene	11.460	105	206076	23.52	ug/L	97
101) 3,4-Dichlorobenzotrifl...	11.527	214	53558	17.88	ug/L	97
102) sec-Butylbenzene	11.607	105	246168	22.51	ug/L	98
103) p-Isopropyltoluene	11.735	119	208294	22.13	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5214.D
 Acq On : 26 Mar 2019 2:21 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

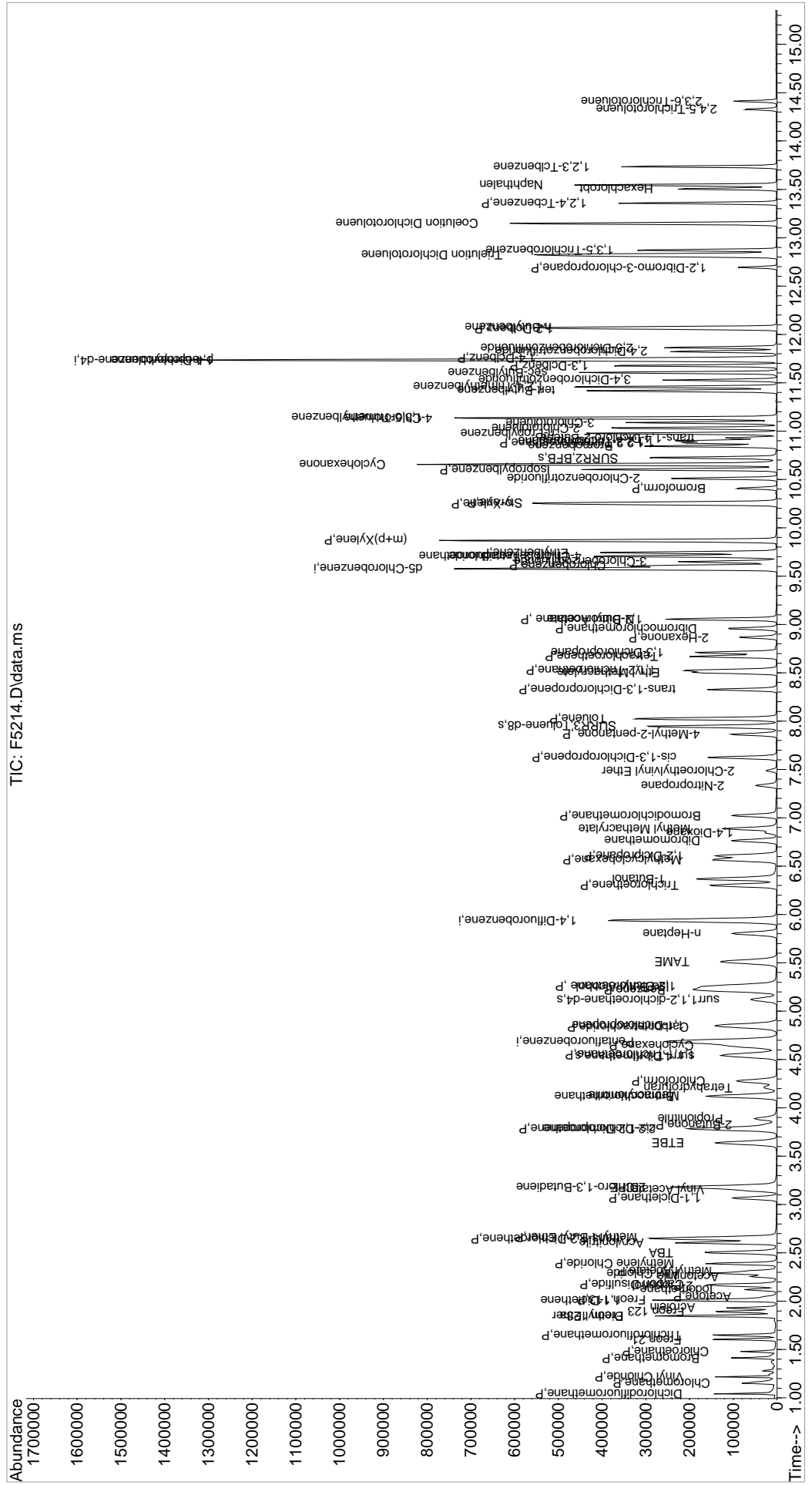
Quant Time: Mar 26 15:26:51 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:26:44 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	123911	21.41	ug/L	99
105) 1,4-Dclbenz	11.753	146	126477	20.77	ug/L	97
106) 2,4-Dichlorobenzotrifl...	11.826	214	47656	17.64	ug/L	95
107) 2,5-Dichlorobenzotrifl...	11.863	214	54496	17.72	ug/L	97
108) n-Butylbenzene	12.076	91	179106	22.84	ug/L	99
109) 1,2-Dclbenz	12.058	146	126944	21.69	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.692	157	18399	20.93	ug/L	98
111) Trielution Dichlorotol...	12.826	125	264342	61.87	ug/L	94
112) 1,3,5-Trichlorobenzene	12.875	180	78450	19.73	ug/L	98
113) Coelution Dichlorotoluene	13.149	125	199038	43.73	ug/L	96
114) 1,2,4-Tcbenzene	13.356	180	85182	22.94	ug/L	95
115) Hexachlorobt	13.509	225	35192	19.79	ug/L	95
116) Naphthalen	13.545	128	260969	26.69	ug/L	98
117) 1,2,3-Tclbenzene	13.734	180	83529	23.72	ug/L	97
118) 2,4,5-Trichlorotoluene	14.332	159	14237	15.05	ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	18055	16.84	ug/L	98

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

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
 Data File : F5214.D
 Acq On : 26 Mar 2019 2:21 pm
 Operator : F.NAEGLER
 Sample : 20 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 Quant Time: Mar 26 15:26:51 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:26:44 2019
 Response via : Initial Calibration

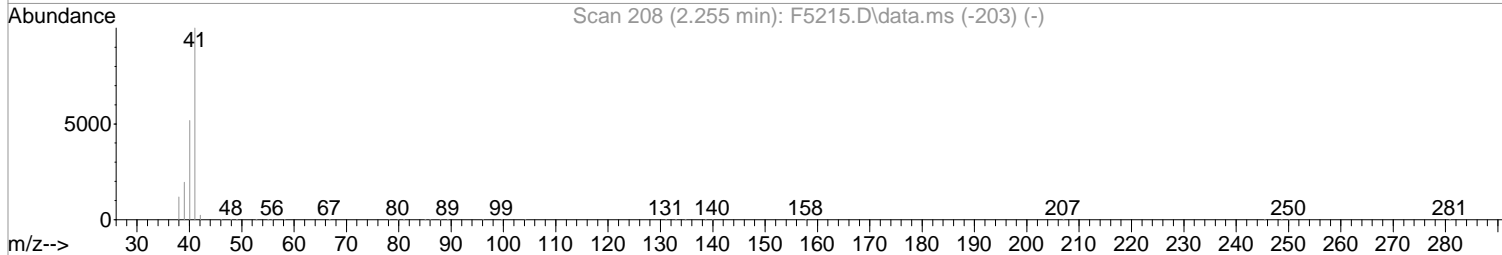
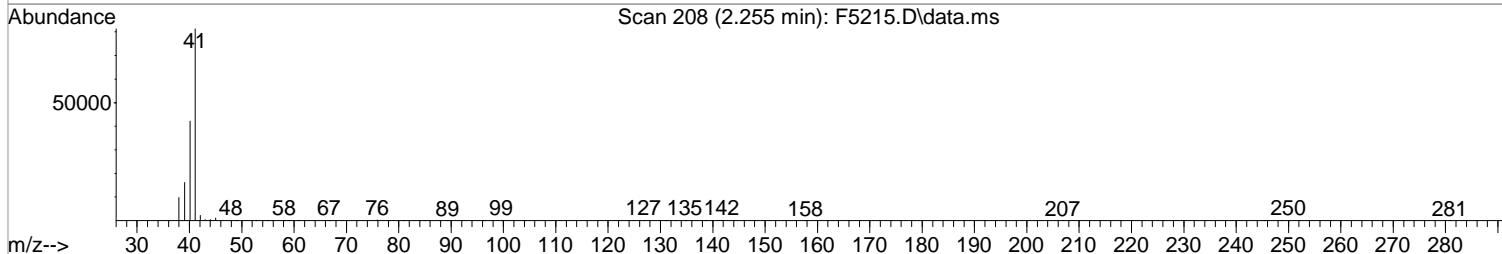
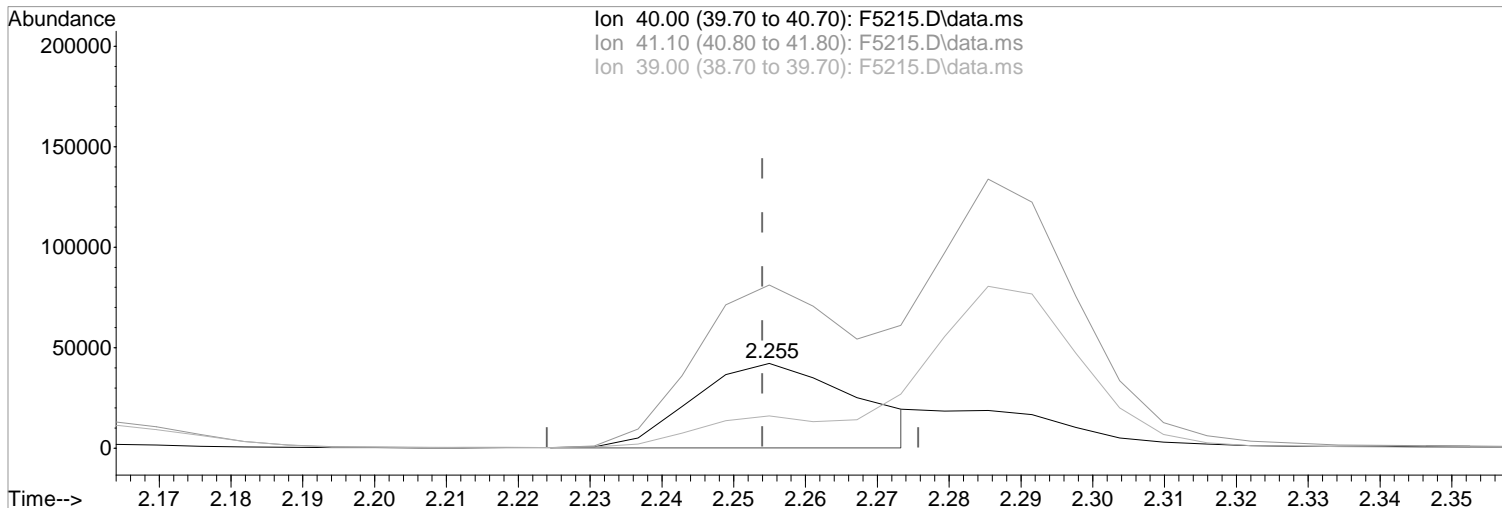
Inst : MSVOA14



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (+0.001) 292.36 ug/L m
response 66999

Manual Integration:

After

Poor integration.

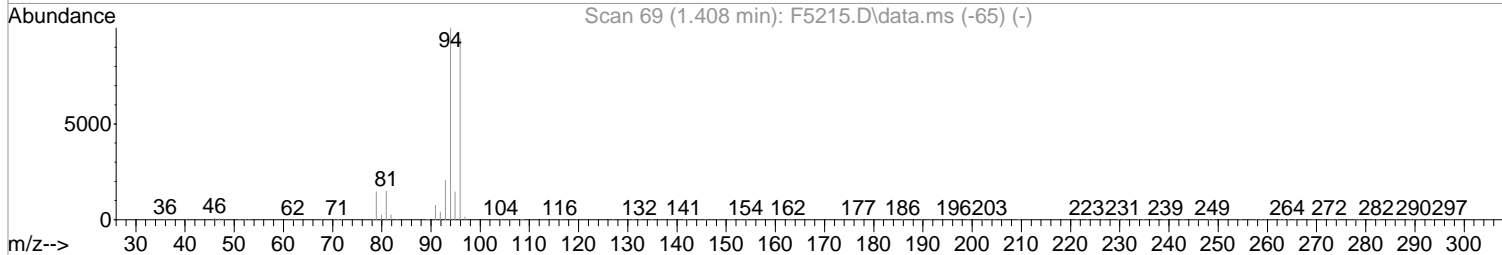
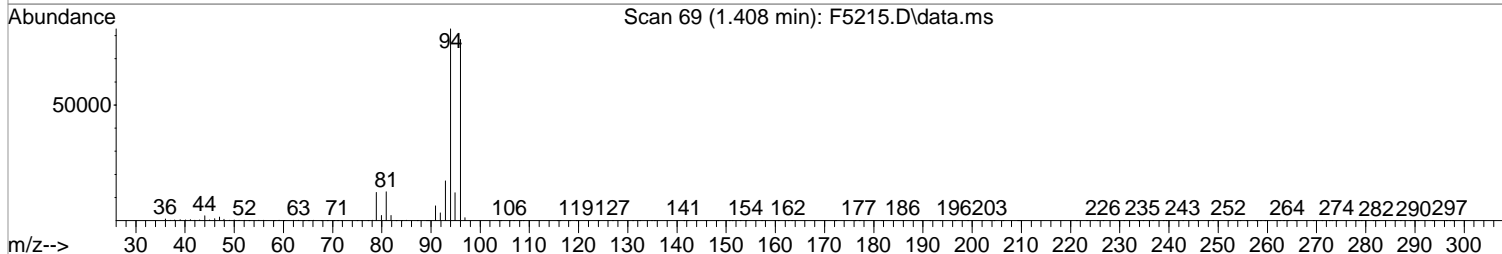
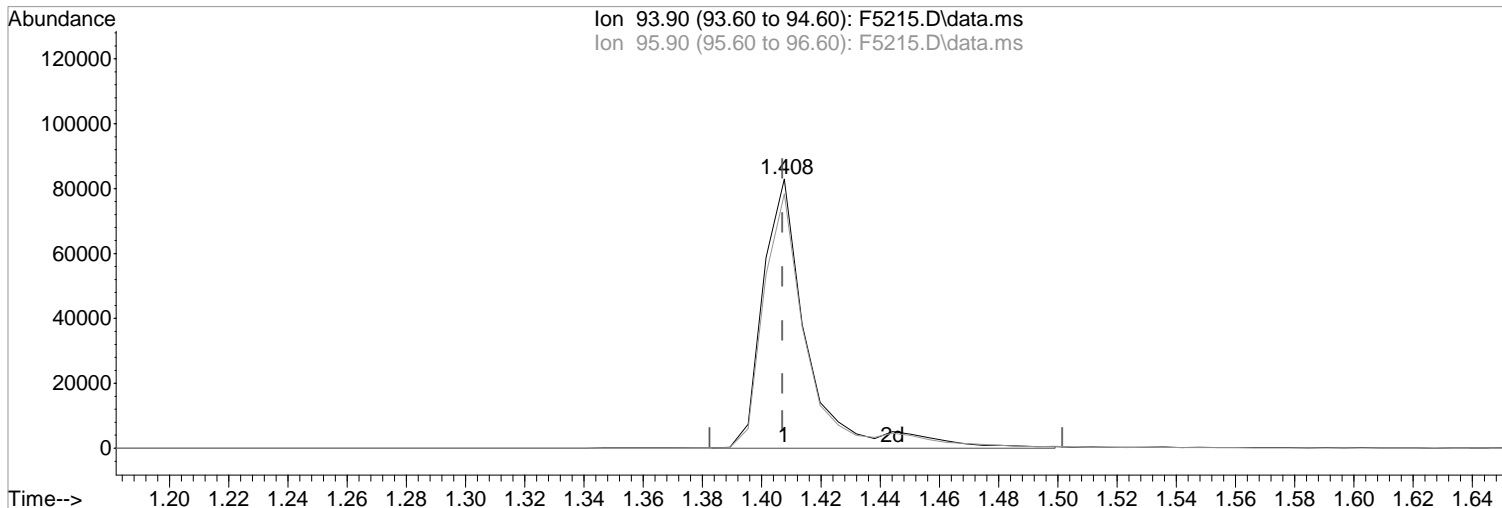
04/01/19

Ion	Exp%	Act%
40.00	100	100
41.10	175.00	192.55
39.00	38.30	38.17
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5215.D
Acq On : 26 Mar 2019 2:44 pm
Operator : F.NAEGLER
Sample : 50 PPB STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:29:09 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:28:21 2019
Response via : Initial Calibration



TIC: F5215.D\data.ms

(5) Bromomethane (P)

1.408min (+0.001) 48.06 ug/L m

response 86699

Ion	Exp%	Act%
93.90	100	100
95.90	95.90	94.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5215.D
 Acq On : 26 Mar 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:28:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	267040	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.937	114	393165	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	349996	50.00	ug/L	0.00	
90) 1,4-Dichlorobenzene-d4	11.735	152	192202	50.00	ug/L	0.00	
System Monitoring Compounds							
44) surr4,Dibrflmethane	4.535	113	130114	51.73	ug/L	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	103.46%		
47) surr1,1,2-dichloroetha...	5.120	65	151767	53.39	ug/L	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.78%		
64) SURR3,Toluene-d8	7.943	98	512645	52.21	ug/L	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	104.42%		
69) SURR2,BFB	10.723	95	196098	52.36	ug/L	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	104.72%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.042	85	172958	52.32	ug/L		96
3) Chloromethane	1.152	50	178423	57.48	ug/L		100
4) Vinyl Chloride	1.219	62	174161	68.86	ug/L		98
5) Bromomethane	1.408	94	86699m	48.06	ug/L		
6) Chloroethane	1.475	64	99333	68.95	ug/L		99
7) Freon 21	1.603	67	222876	65.97	ug/L		99
8) Trichlorofluoromethane	1.645	101	188392	64.16	ug/L		98
9) Diethyl Ether	1.847	59	125699	57.45	ug/L		97
10) Freon 123a	1.847	67	137890	57.62	ug/L		99
11) Freon 123	1.889	83	158699	55.06	ug/L		99
12) Acrolein	1.926	56	177147	274.64	ug/L		96
13) 1,1-Diclcethene	2.005	96	118647	55.77	ug/L		94
14) Freon 113	2.011	101	107314	54.73	ug/L		97
15) Acetone	2.042	43	64335	48.43	ug/L		91
16) 2-Propanol	2.164	45	292523	1229.19	ug/L		93
17) Iodomethane	2.115	142	169360	64.77	ug/L		97
18) Carbon Disulfide	2.170	76	301559	53.22	ug/L		99
19) Acetonitrile	2.255	40	66999m	292.36	ug/L		
20) Allyl Chloride	2.292	76	66834	54.96	ug/L	#	84
21) Methyl Acetate	2.310	43	142533	59.16	ug/L		97
22) Methylene Chloride	2.389	84	140685	53.06	ug/L		96
23) TBA	2.505	59	489384	1209.11	ug/L		96
24) Acrylonitrile	2.602	53	390327	296.62	ug/L		98
25) Methyl-t-Butyl Ether	2.657	73	432037	55.00	ug/L		97
26) trans-1,2-Dichloroethene	2.639	96	129542	54.63	ug/L		97
27) 1,1-Diclcethane	3.066	63	240938	57.27	ug/L		99
28) Vinyl Acetate	3.145	86	31389	56.83	ug/L	#	86
29) DIPE	3.182	45	396004	56.80	ug/L		93
30) 2-Chloro-1,3-Butadiene	3.176	53	157422	54.84	ug/L		97
31) ETBE	3.639	59	377047	54.55	ug/L		98
32) 2,2-Dichloropropane	3.779	77	175574	52.99	ug/L		96
33) cis-1,2-Dichloroethene	3.785	96	147621	54.14	ug/L		96
34) 2-Butanone	3.822	43	95954	56.76	ug/L		99
35) Propionitrile	3.889	54	165248	309.26	ug/L		97
36) Bromochloromethane	4.120	130	101742	53.01	ug/L		97
37) Methacrylonitrile	4.120	67	83358	60.40	ug/L		86
38) Tetrahydrofuran	4.212	42	63127	57.44	ug/L		94
39) Chloroform	4.273	83	232571	54.90	ug/L		97
40) 1,1,1-Trichloroethane	4.547	97	189951	55.44	ug/L		97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5215.D
 Acq On : 26 Mar 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:29:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:28:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	375902	54.43	ug/L	98
43) Cyclohexane	4.645	41	99762	54.89	ug/L	87
45) Carbontetrachloride	4.840	117	146444	51.31	ug/L	98
46) 1,1-Dichloropropene	4.852	75	168955	55.43	ug/L	97
48) Benzene	5.218	78	541841	54.65	ug/L	97
49) 1,2-Dichloroethane	5.260	62	192316	54.87	ug/L	99
50) Iso-Butyl Alcohol	5.260	43	208809	1239.34	ug/L	94
51) n-Heptane	5.803	43	141334	57.69	ug/L	95
52) 1-Butanol	6.370	56	353107	3083.53	ug/L	99
53) Trichloroethene	6.297	130	152555	54.05	ug/L	99
54) Methylcyclohexane	6.565	55	141391	54.93	ug/L	98
55) 1,2-Diclpropane	6.608	63	147376	56.38	ug/L	96
56) Dibromomethane	6.760	93	97388	54.35	ug/L #	77
57) 1,4-Dioxane	6.846	88	63200	1214.97	ug/L	89
58) Methyl Methacrylate	6.888	69	132241	59.31	ug/L	98
59) Bromodichloromethane	7.022	83	172836	54.70	ug/L	97
60) 2-Nitropropane	7.333	41	72495	110.83	ug/L	98
61) 2-Chloroethylvinyl Ether	7.486	63	31586	62.66	ug/L	96
62) cis-1,3-Dichloropropene	7.626	75	232931	56.45	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	176781	59.73	ug/L	96
65) Toluene	8.022	91	582211	54.37	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	208814	56.55	ug/L	99
67) Ethyl Methacrylate	8.504	69	222465	59.35	ug/L	93
68) 1,1,2-Trichloroethane	8.528	97	145641	54.35	ug/L	99
71) Tetrachloroethene	8.668	164	113242	48.22	ug/L	93
72) 2-Hexanone	8.863	43	134206	61.19	ug/L	94
73) 1,3-Dichloropropane	8.711	76	250658	55.55	ug/L	94
74) Dibromochloromethane	8.955	129	138934	53.09	ug/L	97
75) N-Butyl Acetate	9.052	43	252111	62.59	ug/L	96
76) 1,2-Dibromoethane	9.059	107	152142	54.68	ug/L	94
77) 3-Chlorobenzotrifluoride	9.650	180	174995	46.45	ug/L	97
78) Chlorobenzene	9.607	112	378254	51.80	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	160053	46.93	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.705	131	130167	53.46	ug/L	98
81) Ethylbenzene	9.747	106	198295	53.22	ug/L	95
82) (m+p)Xylene	9.869	106	494821	107.17	ug/L	98
83) o-Xylene	10.247	106	245150	53.92	ug/L	100
84) Styrene	10.259	104	424449	55.43	ug/L	96
85) Bromoform	10.406	173	92261	51.80	ug/L	100
86) 2-Chlorobenzotrifluoride	10.509	180	176987	47.09	ug/L	98
87) Isopropylbenzene	10.607	105	616695	54.82	ug/L	99
88) Cyclohexanone	10.656	55	722302	1247.81	ug/L	91
89) trans-1,4-Dichloro-2-B...	10.930	53	48747	57.62	ug/L	90
91) 1,1,2,2-Tetrachloroethane	10.875	83	201272	53.65	ug/L	99
92) Bromobenzene	10.845	156	170868	51.64	ug/L	97
93) 1,2,3-Trichloropropane	10.900	110	71729	54.86	ug/L	99
94) n-Propylbenzene	10.979	91	709472	56.41	ug/L	98
95) 2-Chlorotoluene	11.034	91	431384	55.06	ug/L	98
96) 3-Chlorotoluene	11.089	91	396687	51.90	ug/L	97
97) 4-Chlorotoluene	11.131	91	495211	54.89	ug/L	96
98) 1,3,5-Trimethylbenzene	11.137	105	505505	55.37	ug/L	98
99) tert-Butylbenzene	11.418	119	438245	54.61	ug/L	97
100) 1,2,4-Trimethylbenzene	11.454	105	515589	56.25	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.528	214	141737	47.95	ug/L	96
102) sec-Butylbenzene	11.607	105	635889	55.91	ug/L	98
103) p-Isopropyltoluene	11.735	119	534977	54.65	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5215.D
 Acq On : 26 Mar 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 50 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 15:29:09 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:28:21 2019
 Response via : Initial Calibration

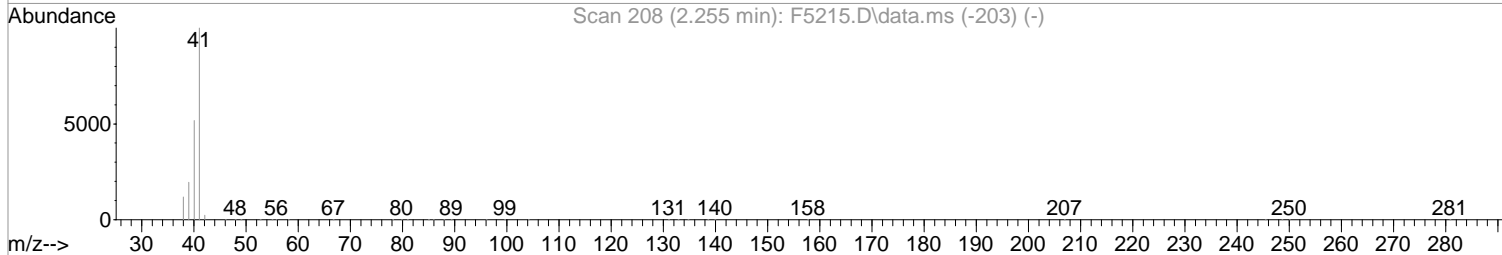
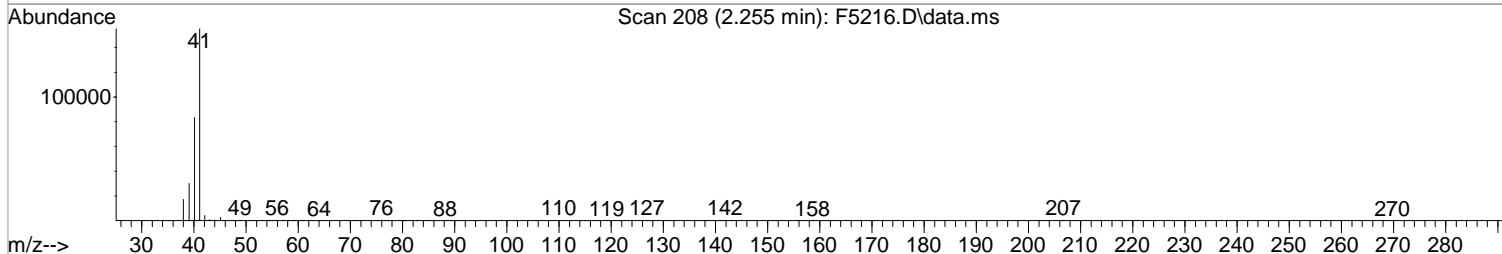
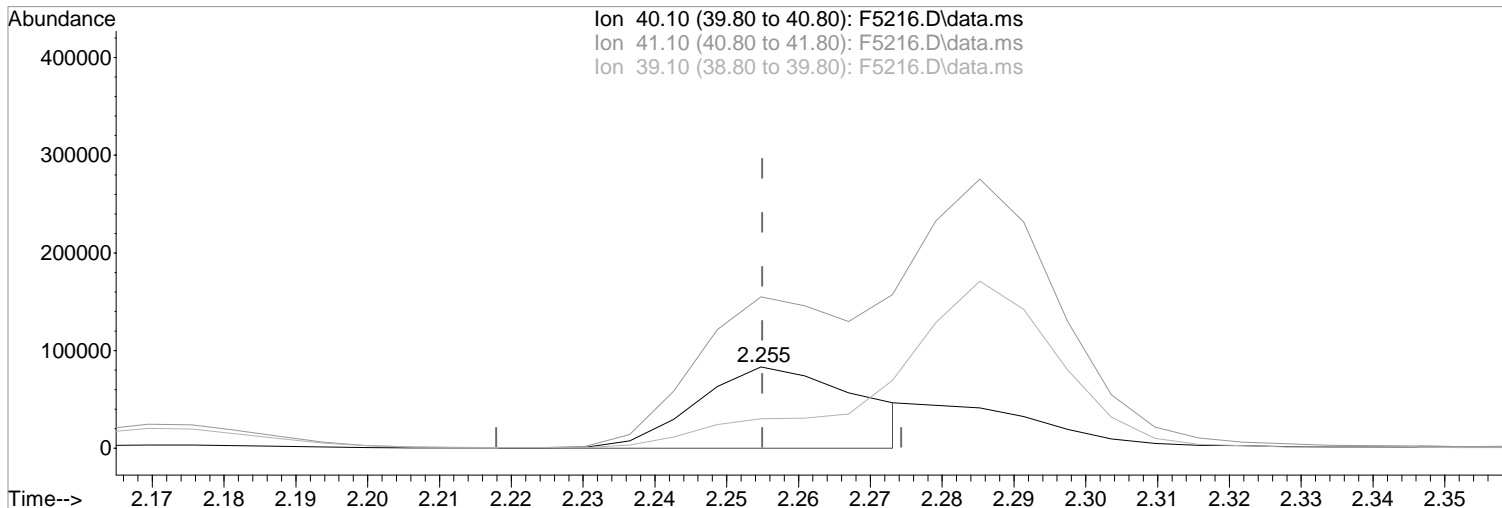
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	308950	51.64	ug/L	98
105) 1,4-Dclbenz	11.753	146	313970	49.97	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	128998	48.43	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	146640	48.10	ug/L	95
108) n-Butylbenzene	12.076	91	466415	56.90	ug/L	96
109) 1,2-Dclbenz	12.058	146	316426	52.26	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.692	157	51296	56.82	ug/L	98
111) Trielution Dichlorotol...	12.826	125	700281	162.36	ug/L	94
112) 1,3,5-Trichlorobenzene	12.875	180	202911	50.99	ug/L	98
113) Coelution Dichlorotoluene	13.149	125	518696	112.15	ug/L	94
114) 1,2,4-Tcbenzene	13.356	180	214616	56.27	ug/L	99
115) Hexachlorobt	13.509	225	88552	48.61	ug/L	99
116) Naphthalen	13.545	128	686168	67.40	ug/L	98
117) 1,2,3-Tclbenzene	13.734	180	213418	58.85	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	62016	67.06	ug/L	95
119) 2,3,6-Trichlorotoluene	14.411	159	74768	70.65	ug/L	94

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

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5216.D
Acq On : 26 Mar 2019 3:06 pm
Operator : F.NAEGLER
Sample : 100 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:31:59 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:30:15 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (-0.000) 550.07 ug/L m
response 132238

Manual Integration:

After

Poor integration.

04/01/19

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	186.03
39.10	38.20	36.20
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5216.D
 Acq On : 26 Mar 2019 3:06 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:30:15 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	267713	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	397311	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	356273	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	201715	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	261213	100.98	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	201.96%#	
47) surr1,1,2-dichloroetha...	5.120	65	305616	103.13	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	206.26%#	
64) SURR3,Toluene-d8	7.949	98	1032068	101.40	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	202.80%#	
69) SURR2,BFB	10.723	95	399533	102.26	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	204.52%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	336074	102.17	ug/L	98
3) Chloromethane	1.151	50	357280	108.00	ug/L	96
4) Vinyl Chloride	1.218	62	346895	127.07	ug/L	100
5) Bromomethane	1.401	94	132488	70.06	ug/L	95
6) Chloroethane	1.468	64	188920	120.18	ug/L	98
7) Freon 21	1.602	67	426123	115.21	ug/L	100
8) Trichlorofluoromethane	1.639	101	369215	118.75	ug/L	100
9) Diethyl Ether	1.846	59	247040	108.85	ug/L	99
10) Freon 123a	1.846	67	257958	101.79	ug/L	96
11) Freon 123	1.889	83	299916	98.77	ug/L	98
12) Acrolein	1.926	56	351853	533.77	ug/L	100
13) 1,1-Diclcethene	2.005	96	233400	107.41	ug/L	98
14) Freon 113	2.011	101	209947	105.43	ug/L	98
15) Acetone	2.047	43	126001	91.38	ug/L	100
16) 2-Propanol	2.169	45	632523	2559.80	ug/L	99
17) Iodomethane	2.115	142	364309	140.43	ug/L	98
18) Carbon Disulfide	2.169	76	651495	113.66	ug/L	100
19) Acetonitrile	2.255	40	132238m	550.07	ug/L	
20) Allyl Chloride	2.285	76	136122	109.78	ug/L	91
21) Methyl Acetate	2.310	43	284482	113.71	ug/L	99
22) Methylene Chloride	2.389	84	276796	101.73	ug/L	97
23) TBA	2.517	59	1039900	2482.44	ug/L	99
24) Acrylonitrile	2.602	53	778731	567.73	ug/L	99
25) Methyl-t-Butyl Ether	2.657	73	868603	108.04	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	254154	105.13	ug/L	98
27) 1,1-Diclcethane	3.066	63	477771	110.39	ug/L	100
28) Vinyl Acetate	3.145	86	65688	116.95	ug/L	100
29) DIPE	3.181	45	786501	108.33	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.175	53	337184	115.83	ug/L	99
31) ETBE	3.639	59	758631	106.75	ug/L	99
32) 2,2-Dichloropropane	3.779	77	352772	105.65	ug/L	100
33) cis-1,2-Dichloroethene	3.785	96	293024	105.36	ug/L	100
34) 2-Butanone	3.822	43	192184	109.14	ug/L	97
35) Propionitrile	3.889	54	332649	595.67	ug/L	99
36) Bromochloromethane	4.120	130	198352	101.81	ug/L	98
37) Methacrylonitrile	4.120	67	164467	114.88	ug/L	99
38) Tetrahydrofuran	4.212	42	126257	109.93	ug/L	97
39) Chloroform	4.279	83	458762	105.73	ug/L	98
40) 1,1,1-Trichloroethane	4.547	97	378288	108.79	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5216.D
 Acq On : 26 Mar 2019 3:06 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:30:15 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	776505	109.79	ug/L	98
43) Cyclohexane	4.638	41	188481	98.03	ug/L	98
45) Carbontetrachloride	4.840	117	301420	104.94	ug/L	99
46) 1,1-Dichloropropene	4.846	75	336222	107.79	ug/L	98
48) Benzene	5.218	78	1078027	105.94	ug/L	98
49) 1,2-Dichloroethane	5.254	62	375076	104.16	ug/L	99
50) Iso-Butyl Alcohol	5.272	43	446646	2540.50	ug/L	99
51) n-Heptane	5.803	43	272121	107.64	ug/L	95
52) 1-Butanol	6.382	56	793425	6693.68	ug/L	99
53) Trichloroethene	6.303	130	301941	105.14	ug/L	98
54) Methylcyclohexane	6.565	55	269524	99.52	ug/L	99
55) 1,2-Diclpropane	6.608	63	292708	108.36	ug/L	100
56) Dibromomethane	6.760	93	194496	105.74	ug/L	93
57) 1,4-Dioxane	6.851	88	132647	2454.41	ug/L	95
58) Methyl Methacrylate	6.888	69	265706	115.03	ug/L	98
59) Bromodichloromethane	7.022	83	351457	108.84	ug/L	98
60) 2-Nitropropane	7.333	41	155540	231.24	ug/L	93
61) 2-Chloroethylvinyl Ether	7.485	63	70979	135.55	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	473868	111.99	ug/L	98
63) 4-Methyl-2-pentanone	7.863	43	363803	118.03	ug/L	99
65) Toluene	8.028	91	1146342	104.48	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	431488	114.51	ug/L	99
67) Ethyl Methacrylate	8.504	69	460738	119.30	ug/L	98
68) 1,1,2-Trichloroethane	8.528	97	288999	105.04	ug/L	99
71) Tetrachloroethene	8.668	164	220767	92.54	ug/L	97
72) 2-Hexanone	8.869	43	277408	120.23	ug/L	100
73) 1,3-Dichloropropane	8.711	76	498635	106.44	ug/L	98
74) Dibromochloromethane	8.961	129	289911	108.29	ug/L	98
75) N-Butyl Acetate	9.052	43	529257	124.56	ug/L	99
76) 1,2-Dibromoethane	9.058	107	305250	106.57	ug/L	97
77) 3-Chlorobenzotrifluoride	9.650	180	360310	93.71	ug/L	100
78) Chlorobenzene	9.607	112	758711	101.28	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	324659	93.22	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.705	131	268981	108.31	ug/L	98
81) Ethylbenzene	9.747	106	399146	104.52	ug/L	99
82) (m+p)Xylene	9.869	106	987691	208.60	ug/L	98
83) o-Xylene	10.247	106	490772	105.25	ug/L	100
84) Styrene	10.259	104	856183	108.69	ug/L	98
85) Bromoform	10.406	173	202824	112.29	ug/L	98
86) 2-Chlorobenzotrifluoride	10.509	180	361103	94.08	ug/L	99
87) Isopropylbenzene	10.607	105	1226657	106.22	ug/L	99
88) Cyclohexanone	10.662	55	1433249	2353.25	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	101709	115.09	ug/L	99
91) 1,1,2,2-Tetrachloroethane	10.881	83	413932	103.03	ug/L	99
92) Bromobenzene	10.845	156	345463	98.90	ug/L	99
93) 1,2,3-Trichloropropane	10.899	110	143329	102.16	ug/L	96
94) n-Propylbenzene	10.979	91	1419518	105.70	ug/L	99
95) 2-Chlorotoluene	11.034	91	866750	103.46	ug/L	100
96) 3-Chlorotoluene	11.088	91	812069	98.92	ug/L	98
97) 4-Chlorotoluene	11.131	91	1009865	104.71	ug/L	99
98) 1,3,5-Trimethylbenzene	11.137	105	1024719	105.52	ug/L	98
99) tert-Butylbenzene	11.418	119	888465	104.54	ug/L	99
100) 1,2,4-Trimethylbenzene	11.460	105	1052665	107.78	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.527	214	293830	94.33	ug/L	99
102) sec-Butylbenzene	11.607	105	1289620	106.78	ug/L	100
103) p-Isopropyltoluene	11.735	119	1089537	105.10	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5216.D
 Acq On : 26 Mar 2019 3:06 pm
 Operator : F.NAEGLER
 Sample : 100 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 15:31:59 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:30:15 2019
 Response via : Initial Calibration

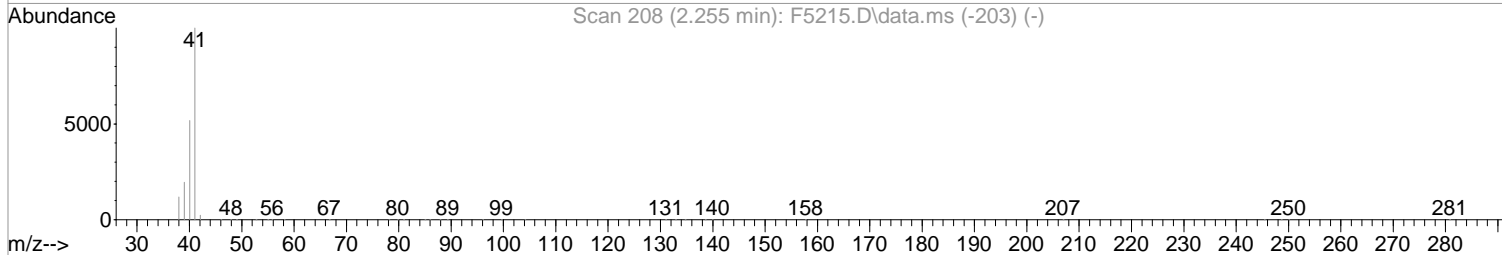
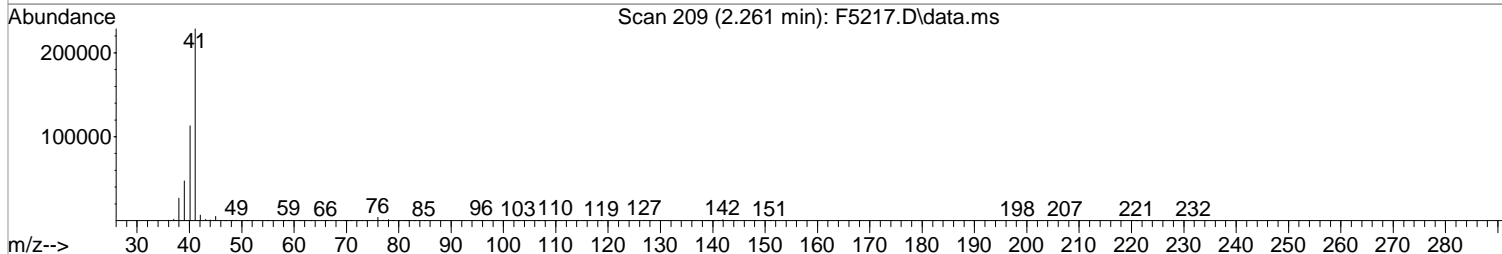
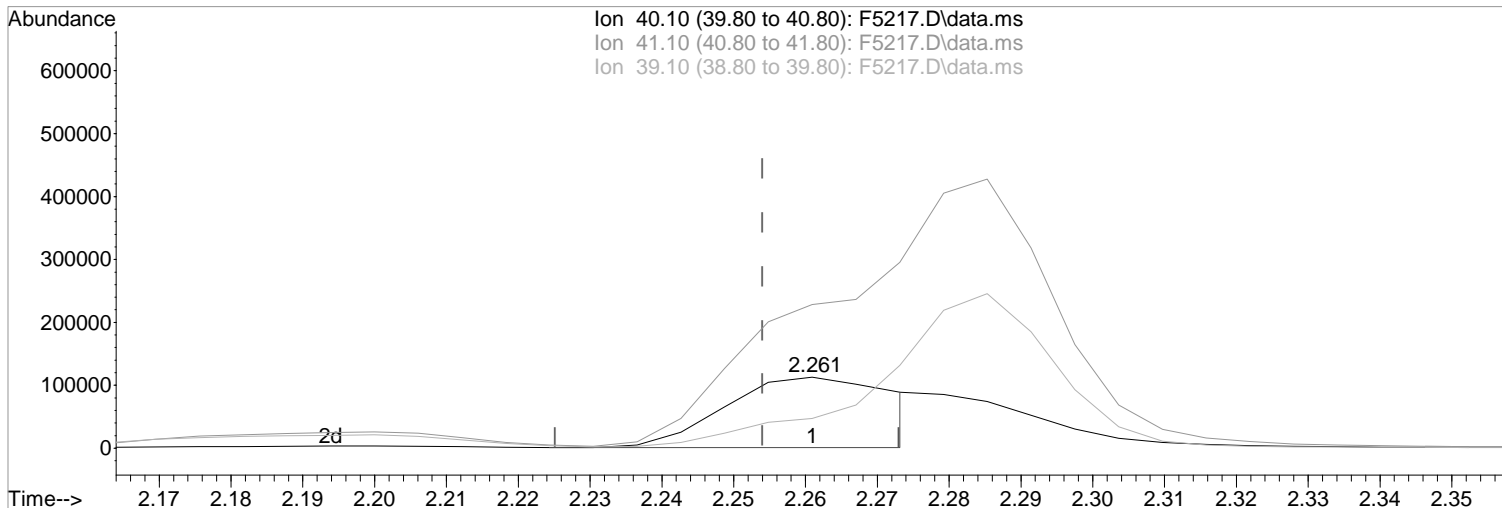
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	631395	99.99	ug/L	99
105) 1,4-Dclbenz	11.753	146	648688	97.80	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	269170	95.85	ug/L	99
107) 2,5-Dichlorobenzotrifl...	11.869	214	306184	95.19	ug/L	99
108) n-Butylbenzene	12.076	91	965629	110.25	ug/L	98
109) 1,2-Dclbenz	12.058	146	643092	100.55	ug/L	99
110) 1,2-Dibromo-3-chloropr...	12.698	157	115003	120.52	ug/L	91
111) Trielution Dichlorotol...	12.826	125	1473445	319.65	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	423043	100.33	ug/L	99
113) Coelution Dichlorotoluene	13.149	125	1093102	221.05	ug/L	99
114) 1,2,4-Tcbenzene	13.356	180	450540	112.06	ug/L	96
115) Hexachlorobt	13.509	225	180276	94.18	ug/L	99
116) Naphthalen	13.545	128	1449473	133.01	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	448509	117.17	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	185244	191.37	ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	219199	196.51	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5217.D
Acq On : 26 Mar 2019 3:28 pm
Operator : F.NAEGLER
Sample : 150 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 15:46:58 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:35:41 2019
Response via : Initial Calibration



(19) Acetonitrile
2.261min (+0.007) 706.90 ug/L m
response 182733

Manual Integration:

After

Poor integration.

04/01/19

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	202.22
39.10	38.20	41.98
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5217.D
 Acq On : 26 Mar 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:35:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	265318	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	397159	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	361031	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	211837	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	490944	182.20	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	364.40%#		
47) surr1,1,2-dichloroetha...	5.120	65	572161	180.97	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	361.94%#		
64) SURR3,Toluene-d8	7.949	98	1938282	179.77	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	359.54%#		
69) SURR2,BFB	10.729	95	765754	184.23	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	368.46%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	479812	157.72	ug/L	98
3) Chloromethane	1.151	50	527211	152.41	ug/L	97
4) Vinyl Chloride	1.218	62	488644	158.63	ug/L	98
5) Bromomethane	1.401	94	184867	85.80	ug/L	98
6) Chloroethane	1.462	64	198029	104.44	ug/L	99
7) Freon 21	1.596	67	741471	172.16	ug/L	100
8) Trichlorofluoromethane	1.633	101	527388	152.01	ug/L	100
9) Diethyl Ether	1.846	59	371635	149.78	ug/L	99
10) Freon 123a	1.846	67	459356	172.23	ug/L	99
11) Freon 123	1.889	83	525439	172.95	ug/L	100
12) Acrolein	1.932	56	536047	788.39	ug/L	99
13) 1,1-Dicethene	1.999	96	334203	152.80	ug/L	98
14) Freon 113	2.005	101	292051	146.50	ug/L	100
15) Acetone	2.048	43	194633	142.18	ug/L	98
16) 2-Propanol	2.200	45	979592	3738.44	ug/L	100
17) Iodomethane	2.115	142	529500	198.84	ug/L	98
18) Carbon Disulfide	2.163	76	969806	170.63	ug/L	99
19) Acetonitrile	2.261	40	182733m	706.90	ug/L	
20) Allyl Chloride	2.285	76	194950	154.39	ug/L	# 84
21) Methyl Acetate	2.310	43	419661	157.12	ug/L	99
22) Methylene Chloride	2.383	84	400922	140.33	ug/L	97
23) TBA	2.523	59	1655272	3763.46	ug/L	99
24) Acrylonitrile	2.608	53	1166855	782.72	ug/L	100
25) Methyl-t-Butyl Ether	2.657	73	1305839	156.35	ug/L	100
26) trans-1,2-Dichloroethene	2.639	96	367789	148.97	ug/L	98
27) 1,1-Dicethane	3.066	63	693078	153.66	ug/L	100
28) Vinyl Acetate	3.145	86	101697	180.59	ug/L	96
29) DIPE	3.188	45	1220018	158.59	ug/L	97
30) 2-Chloro-1,3-Butadiene	3.169	53	495734	169.84	ug/L	99
31) ETBE	3.639	59	1199084	165.04	ug/L	98
32) 2,2-Dichloropropane	3.779	77	527194	160.39	ug/L	98
33) cis-1,2-Dichloroethene	3.785	96	432261	152.02	ug/L	98
34) 2-Butanone	3.828	43	295226	152.95	ug/L	96
35) Propionitrile	3.895	54	512214	847.14	ug/L	99
36) Bromochloromethane	4.120	130	291397	148.06	ug/L	99
37) Methacrylonitrile	4.120	67	248097	163.81	ug/L	98
38) Tetrahydrofuran	4.212	42	190192	149.43	ug/L	97
39) Chloroform	4.273	83	672873	150.16	ug/L	99
40) 1,1,1-Trichloroethane	4.547	97	548163	159.18	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5217.D
 Acq On : 26 Mar 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:35:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	1213526	169.61	ug/L	98
43) Cyclohexane	4.639	41	331097	169.79	ug/L	99
45) Carbontetrachloride	4.840	117	430464	157.41	ug/L	98
46) 1,1-Dichloropropene	4.846	75	482029	153.91	ug/L	100
48) Benzene	5.218	78	1573651	151.37	ug/L	99
49) 1,2-Dichloroethane	5.260	62	560063	151.19	ug/L	98
50) Iso-Butyl Alcohol	5.303	43	724061	3791.97	ug/L	97
51) n-Heptane	5.803	43	383833	150.08	ug/L	98
52) 1-Butanol	6.406	56	1282841	10282.63	ug/L	100
53) Trichloroethene	6.297	130	428814	151.16	ug/L	99
54) Methylcyclohexane	6.565	55	476266	177.09	ug/L	96
55) 1,2-Diclpropane	6.608	63	433269	153.70	ug/L	100
56) Dibromomethane	6.760	93	289346	153.58	ug/L	95
57) 1,4-Dioxane	6.858	88	207999	3505.33	ug/L	96
58) Methyl Methacrylate	6.888	69	406250	171.45	ug/L	99
59) Bromodichloromethane	7.022	83	527619	163.52	ug/L	100
60) 2-Nitropropane	7.333	41	248579	368.52	ug/L	97
61) 2-Chloroethylvinyl Ether	7.486	63	118297	226.86	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	713484	168.64	ug/L	100
63) 4-Methyl-2-pentanone	7.864	43	564538	173.14	ug/L	100
65) Toluene	8.028	91	1672139	150.78	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	657765	177.59	ug/L	99
67) Ethyl Methacrylate	8.504	69	710481	182.61	ug/L	97
68) 1,1,2-Trichloroethane	8.528	97	427446	152.14	ug/L	98
71) Tetrachloroethene	8.668	164	313204	131.73	ug/L	96
72) 2-Hexanone	8.869	43	438283	171.91	ug/L	98
73) 1,3-Dichloropropane	8.711	76	738217	149.58	ug/L	99
74) Dibromochloromethane	8.961	129	440465	168.41	ug/L	98
75) N-Butyl Acetate	9.052	43	816384	174.71	ug/L	99
76) 1,2-Dibromoethane	9.058	107	464240	158.88	ug/L	98
77) 3-Chlorobenzotrifluoride	9.650	180	582004	161.56	ug/L	99
78) Chlorobenzene	9.607	112	1120523	146.78	ug/L	98
79) 4-Chlorobenzotrifluoride	9.711	180	525140	160.67	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.705	131	402572	166.98	ug/L	99
81) Ethylbenzene	9.747	106	579086	150.80	ug/L	99
82) (m+p)Xylene	9.869	106	1428265	300.57	ug/L	99
83) o-Xylene	10.247	106	714820	152.32	ug/L	99
84) Styrene	10.259	104	1262639	160.11	ug/L	97
85) Bromoform	10.412	173	320951	191.95	ug/L	99
86) 2-Chlorobenzotrifluoride	10.509	180	594983	164.14	ug/L	100
87) Isopropylbenzene	10.607	105	1779628	154.96	ug/L	100
88) Cyclohexanone	10.662	55	2278202	3545.56	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	163794	179.83	ug/L	97
91) 1,1,2,2-Tetrachloroethane	10.881	83	661010	149.40	ug/L	100
92) Bromobenzene	10.845	156	513091	138.88	ug/L	98
93) 1,2,3-Trichloropropane	10.900	110	221975	143.97	ug/L	99
94) n-Propylbenzene	10.979	91	2060813	143.67	ug/L	99
95) 2-Chlorotoluene	11.034	91	1277705	140.81	ug/L	99
96) 3-Chlorotoluene	11.088	91	1340399	153.53	ug/L	100
97) 4-Chlorotoluene	11.131	91	1467279	139.89	ug/L	98
98) 1,3,5-Trimethylbenzene	11.137	105	1499851	145.81	ug/L	98
99) tert-Butylbenzene	11.418	119	1301428	146.17	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	1570896	151.66	ug/L	100
101) 3,4-Dichlorobenzotrifl...	11.527	214	484972	157.32	ug/L	99
102) sec-Butylbenzene	11.607	105	1907502	151.10	ug/L	99
103) p-Isopropyltoluene	11.735	119	1619763	150.55	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5217.D
 Acq On : 26 Mar 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 26 15:46:58 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:35:41 2019
 Response via : Initial Calibration

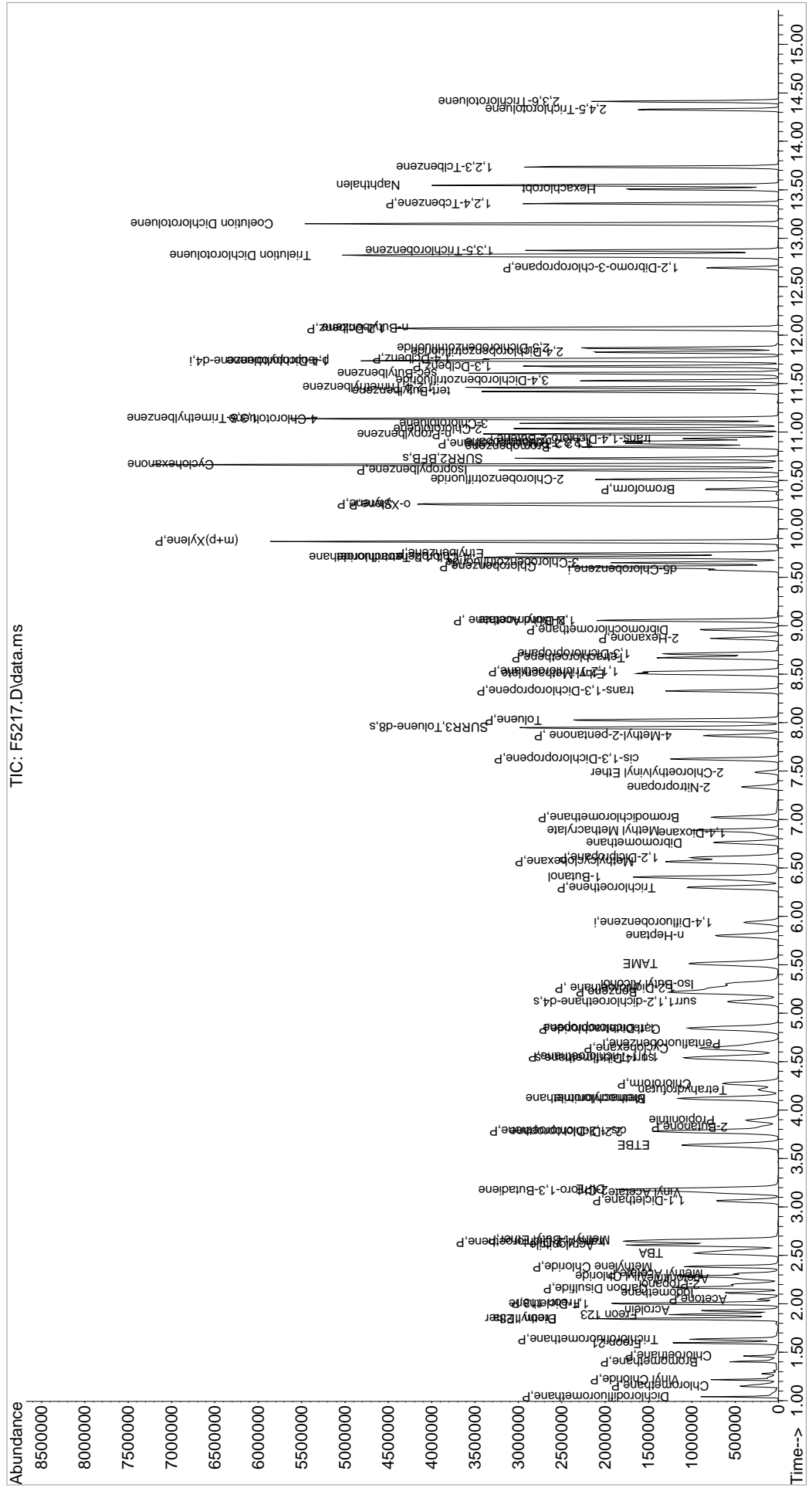
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	952200	143.35	ug/L	98
105) 1,4-Dclbenz	11.753	146	977139	138.79	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	440511	158.54	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	502711	157.77	ug/L	98
108) n-Butylbenzene	12.076	91	1464740	159.60	ug/L	97
109) 1,2-Dclbenz	12.064	146	977009	144.79	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.698	157	187783	196.64	ug/L	91
111) Trielution Dichlorotol...	12.826	125	2414254	514.97	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	691345	164.28	ug/L	100
113) Coelution Dichlorotoluene	13.149	125	1770125	354.39	ug/L	98
114) 1,2,4-Tcbenzene	13.356	180	699777	175.70	ug/L	98
115) Hexachlorobt	13.509	225	276318	142.45	ug/L	100
116) Naphthalen	13.545	128	2255336	206.79	ug/L	100
117) 1,2,3-Tclbenzene	13.734	180	695754	185.33	ug/L	97
118) 2,4,5-Trichlorotoluene	14.326	159	336732	382.97	ug/L	98
119) 2,3,6-Trichlorotoluene	14.411	159	399393	380.41	ug/L	96

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

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
 Data File : F5217.D
 Acq On : 26 Mar 2019 3:28 pm
 Operator : F.NAEGLER
 Sample : 150 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

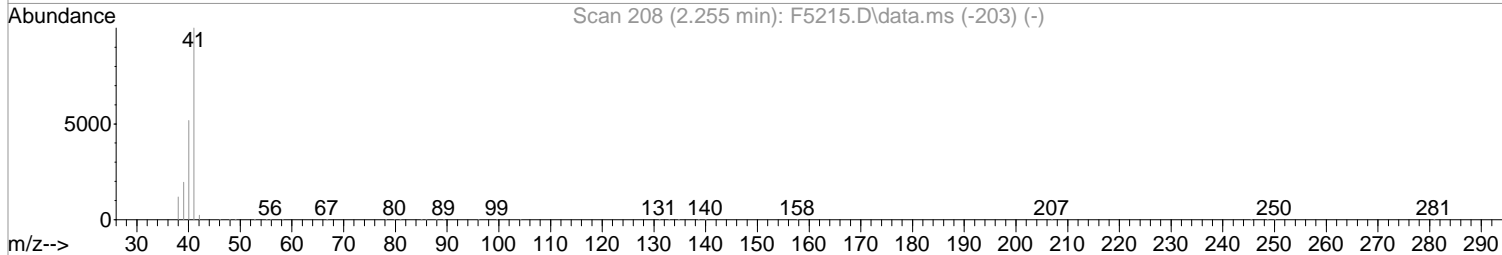
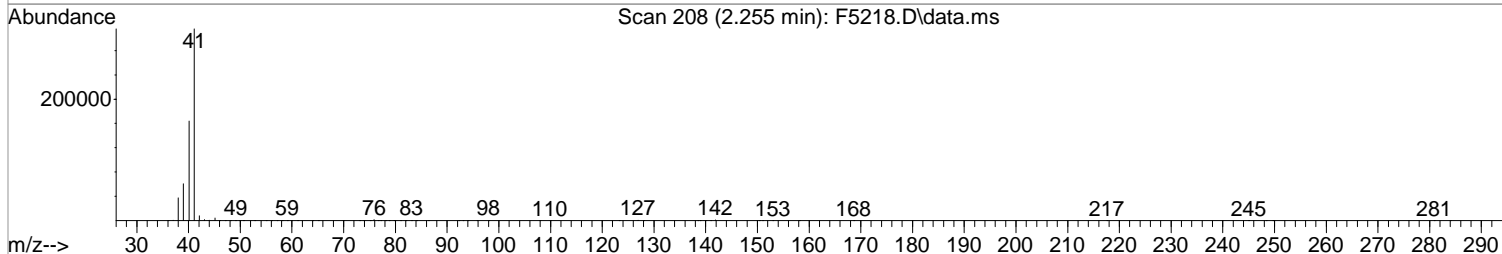
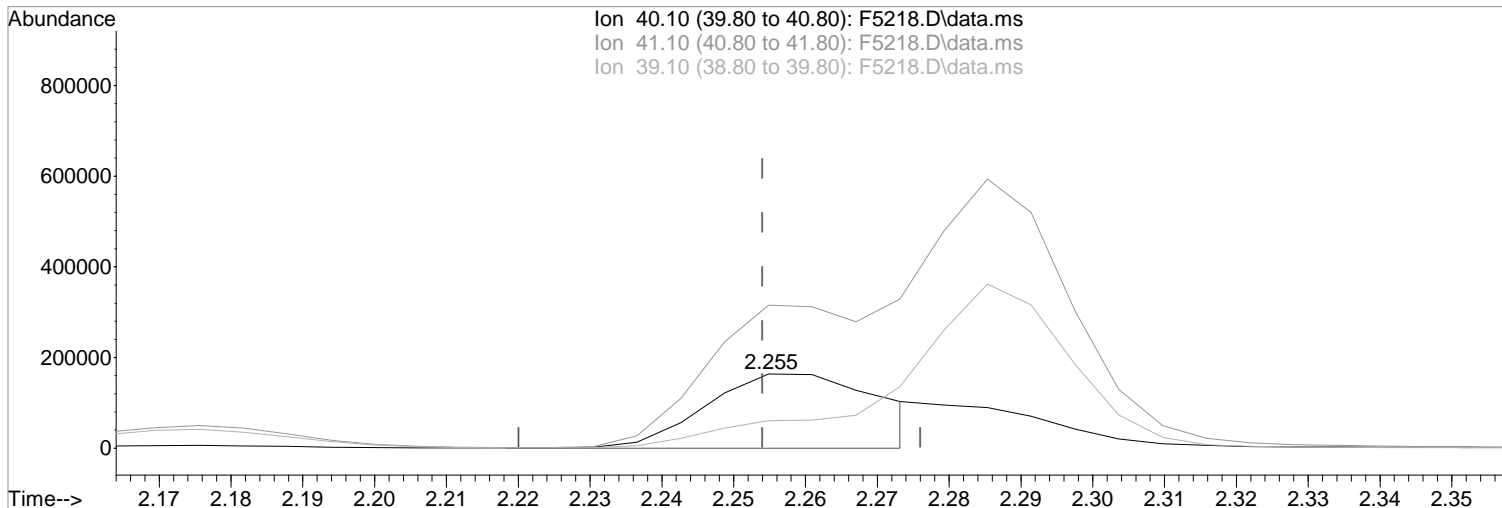
Quant Time: Mar 26 15:46:58 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:35:41 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (+0.001) 981.85 ug/L m
response 274564

Manual Integration:

After

Poor integration.

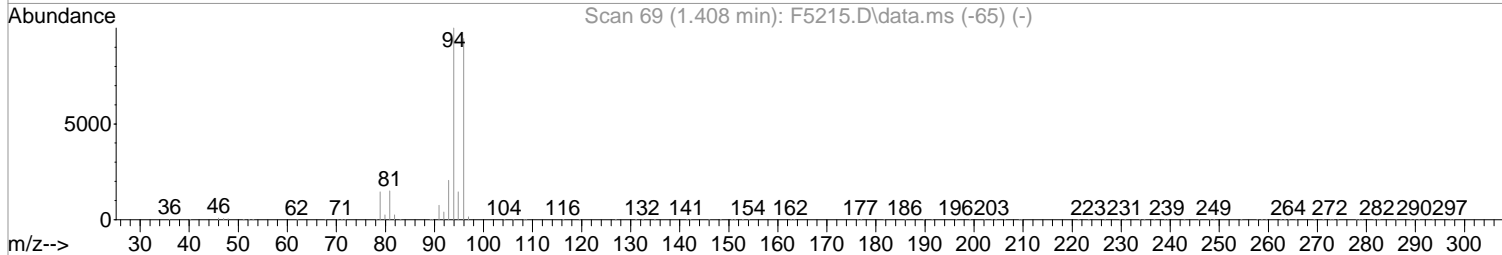
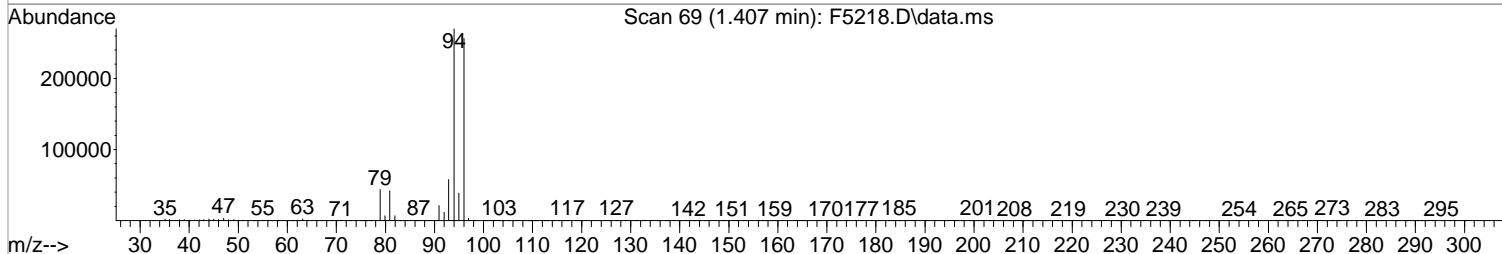
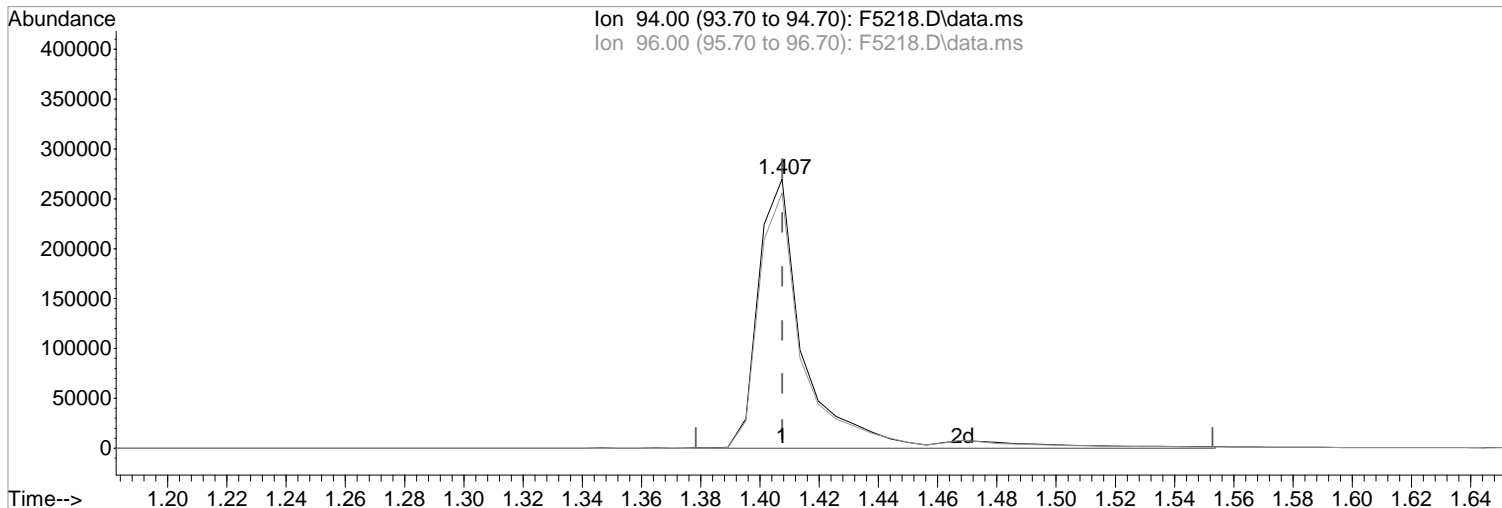
04/01/19

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	192.73
39.10	38.20	37.11
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5218.D
Acq On : 26 Mar 2019 3:50 pm
Operator : F.NAEGLER
Sample : 200 PPB STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 26 16:07:17 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 15:47:55 2019
Response via : Initial Calibration



TIC: F5218.D\data.ms

(5) Bromomethane (P)

1.407min (-0.000) 136.99 ug/L m

response 299292

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	94.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5218.D
 Acq On : 26 Mar 2019 3:50 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:47:55 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	284250	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	421858	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	378971	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.735	152	209320	50.00	ug/L	0.00
System Monitoring Compounds						
44) surr4,Dibrflmethane	4.535	113	141208	50.23	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.46%	
47) surr1,1,2-dichloroetha...	5.120	65	164641	49.98	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	99.96%	
64) SURR3,Toluene-d8	7.949	98	567509	50.58	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.16%	
69) SURR2,BFB	10.723	95	222795	51.27	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	102.54%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	743044	226.52	ug/L	99
3) Chloromethane	1.151	50	768129	206.85	ug/L	98
4) Vinyl Chloride	1.218	62	734363	220.93	ug/L	99
5) Bromomethane	1.407	94	299292m	136.99	ug/L	
6) Chloroethane	1.468	64	421820	215.84	ug/L	99
7) Freon 21	1.603	67	1034961	220.23	ug/L	100
8) Trichlorofluoromethane	1.645	101	821062	220.53	ug/L	97
9) Diethyl Ether	1.846	59	537829	202.37	ug/L	99
10) Freon 123a	1.846	67	645634	221.84	ug/L	100
11) Freon 123	1.889	83	737291	222.27	ug/L	99
12) Acrolein	1.926	56	723064	986.30	ug/L	98
13) 1,1-Dicethene	2.005	96	515736	219.58	ug/L	98
14) Freon 113	2.011	101	467409	219.49	ug/L	99
15) Acetone	2.048	43	264173	188.29	ug/L	99
16) 2-Propanol	2.176	45	1354101	4451.77	ug/L	98
17) Iodomethane	2.115	142	802522	266.82	ug/L	100
18) Carbon Disulfide	2.170	76	1402521	226.43	ug/L	99
19) Acetonitrile	2.255	40	274564m	981.85	ug/L	
20) Allyl Chloride	2.285	76	293882	216.44	ug/L	# 88
21) Methyl Acetate	2.310	43	593306	206.12	ug/L	99
22) Methylene Chloride	2.389	84	589945	194.30	ug/L	99
23) TBA	2.517	59	2271771	4450.04	ug/L	97
24) Acrylonitrile	2.608	53	1636683	1019.19	ug/L	100
25) Methyl-t-Butyl Ether	2.657	73	1877513	208.72	ug/L	100
26) trans-1,2-Dichloroethene	2.639	96	558821	211.45	ug/L	98
27) 1,1-Dicethane	3.066	63	1031781	212.86	ug/L	99
28) Vinyl Acetate	3.145	86	142168	229.78	ug/L	99
29) DIPE	3.188	45	1778659	214.27	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.175	53	702485	220.99	ug/L	99
31) ETBE	3.639	59	1750430	222.09	ug/L	99
32) 2,2-Dichloropropane	3.779	77	807187	227.25	ug/L	98
33) cis-1,2-Dichloroethene	3.785	96	637563	208.94	ug/L	100
34) 2-Butanone	3.828	43	400253	193.08	ug/L	94
35) Propionitrile	3.895	54	703830	1069.21	ug/L	100
36) Bromochloromethane	4.120	130	426081	202.40	ug/L	98
37) Methacrylonitrile	4.126	67	353081	215.13	ug/L	92
38) Tetrahydrofuran	4.212	42	264099	193.77	ug/L	98
39) Chloroform	4.279	83	993641	206.95	ug/L	98
40) 1,1,1-Trichloroethane	4.547	97	848408	228.21	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5218.D
 Acq On : 26 Mar 2019 3:50 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:47:55 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	1758862	225.77	ug/L	97
43) Cyclohexane	4.639	41	469878	223.17	ug/L	97
45) Carbontetrachloride	4.840	117	697548	238.66	ug/L	99
46) 1,1-Dichloropropene	4.852	75	753248	225.70	ug/L	99
48) Benzene	5.218	78	2352289	212.78	ug/L	99
49) 1,2-Dichloroethane	5.260	62	809283	205.47	ug/L	99
50) Iso-Butyl Alcohol	5.279	43	988138	4694.92	ug/L	100
51) n-Heptane	5.803	43	624641	229.92	ug/L	96
52) 1-Butanol	6.394	56	1722065	12340.98	ug/L	99
53) Trichloroethene	6.303	130	642615	213.06	ug/L	99
54) Methylcyclohexane	6.565	55	677574	231.95	ug/L	99
55) 1,2-Diclpropane	6.608	63	634570	211.27	ug/L	100
56) Dibromomethane	6.760	93	416437	207.47	ug/L	94
57) 1,4-Dioxane	6.852	88	276504	4283.91	ug/L	97
58) Methyl Methacrylate	6.888	69	581015	226.79	ug/L	99
59) Bromodichloromethane	7.022	83	779733	224.98	ug/L	100
60) 2-Nitropropane	7.339	41	357911	478.28	ug/L	93
61) 2-Chloroethylvinyl Ether	7.486	63	154673	260.20	ug/L	100
62) cis-1,3-Dichloropropene	7.626	75	1043935	228.74	ug/L	98
63) 4-Methyl-2-pentanone	7.864	43	769934	212.97	ug/L	99
65) Toluene	8.028	91	2554521	216.72	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	967788	240.47	ug/L	99
67) Ethyl Methacrylate	8.504	69	1021672	240.68	ug/L	98
68) 1,1,2-Trichloroethane	8.528	97	618351	206.83	ug/L	97
71) Tetrachloroethene	8.674	164	497904	202.58	ug/L	97
72) 2-Hexanone	8.869	43	592186	216.76	ug/L	99
73) 1,3-Dichloropropane	8.711	76	1061764	205.02	ug/L	99
74) Dibromochloromethane	8.961	129	653402	234.40	ug/L	99
75) N-Butyl Acetate	9.052	43	1157956	230.65	ug/L	100
76) 1,2-Dibromoethane	9.058	107	659973	213.59	ug/L	99
77) 3-Chlorobenzotrifluoride	9.650	180	909466	238.22	ug/L	98
78) Chlorobenzene	9.607	112	1669800	208.94	ug/L	99
79) 4-Chlorobenzotrifluoride	9.711	180	819079	236.63	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.705	131	607527	236.71	ug/L	99
81) Ethylbenzene	9.747	106	893048	221.41	ug/L	94
82) (m+p)Xylene	9.869	106	2213735	443.71	ug/L	95
83) o-Xylene	10.247	106	1095161	221.89	ug/L	99
84) Styrene	10.259	104	1900659	227.69	ug/L	97
85) Bromoform	10.412	173	475623	261.83	ug/L	99
86) 2-Chlorobenzotrifluoride	10.515	180	909684	236.30	ug/L	97
87) Isopropylbenzene	10.607	105	2838648	234.50	ug/L	99
88) Cyclohexanone	10.662	55	3034109	4248.04	ug/L	99
89) trans-1,4-Dichloro-2-B...	10.930	53	231442	236.20	ug/L	96
91) 1,1,2,2-Tetrachloroethane	10.881	83	935441	214.07	ug/L	100
92) Bromobenzene	10.845	156	755744	208.95	ug/L	96
93) 1,2,3-Trichloropropane	10.900	110	308670	203.63	ug/L	99
94) n-Propylbenzene	10.979	91	3281784	232.76	ug/L	99
95) 2-Chlorotoluene	11.034	91	1957955	220.05	ug/L	98
96) 3-Chlorotoluene	11.088	91	1994152	230.48	ug/L	99
97) 4-Chlorotoluene	11.131	91	2239773	217.94	ug/L	98
98) 1,3,5-Trimethylbenzene	11.143	105	2335848	230.62	ug/L	99
99) tert-Butylbenzene	11.418	119	2022645	230.64	ug/L	98
100) 1,2,4-Trimethylbenzene	11.460	105	2371093	231.35	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.534	214	719507	234.77	ug/L	98
102) sec-Butylbenzene	11.607	105	2960044	237.08	ug/L	99
103) p-Isopropyltoluene	11.735	119	2494115	234.49	ug/L	99

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
 Data File : F5218.D
 Acq On : 26 Mar 2019 3:50 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 16:07:17 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:47:55 2019
 Response via : Initial Calibration

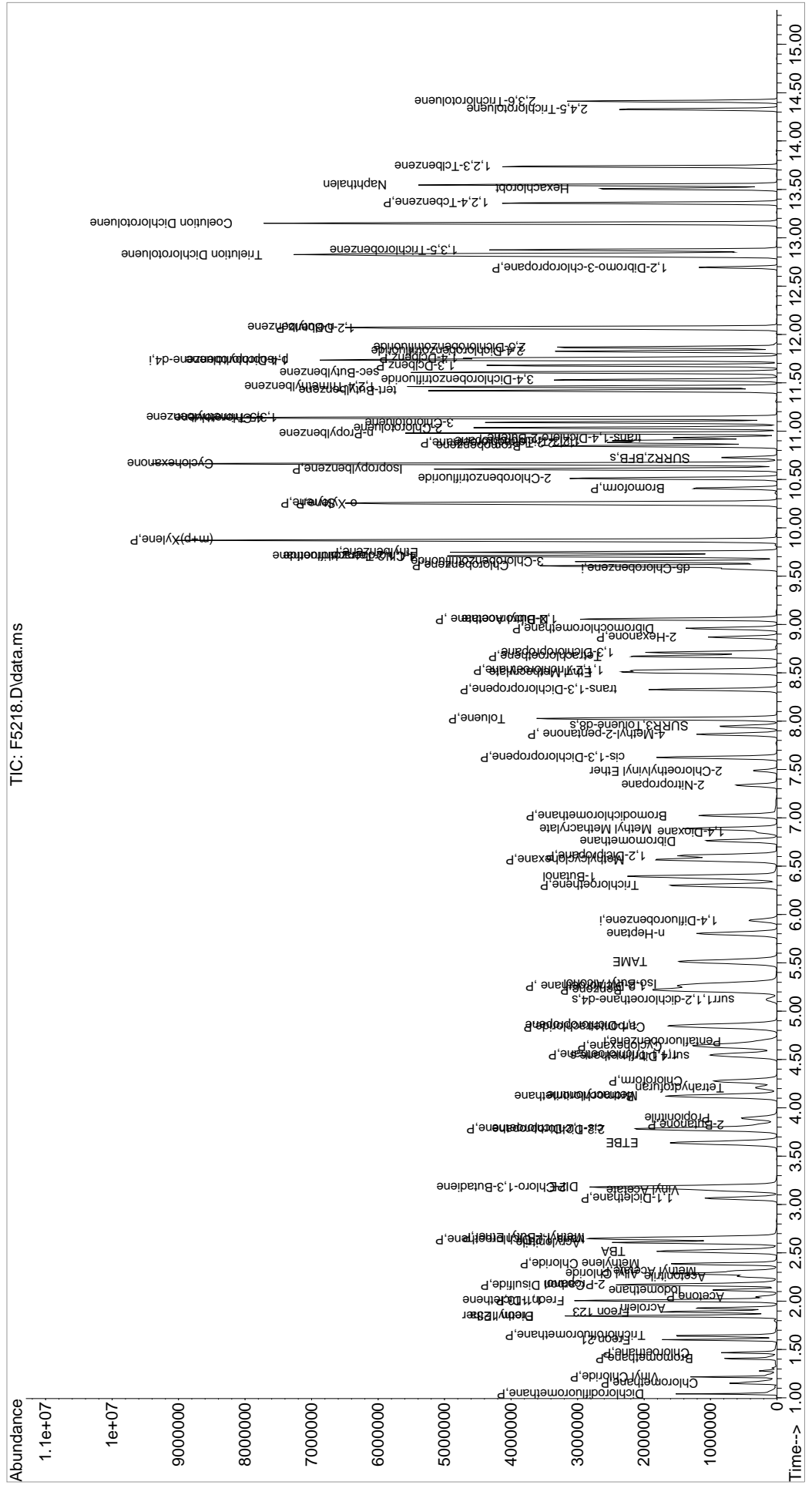
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3-Dclbenz	11.680	146	1397004	214.03	ug/L	98
105) 1,4-Dclbenz	11.759	146	1413277	205.06	ug/L	99
106) 2,4-Dichlorobenzotrifl...	11.826	214	651495	235.61	ug/L	97
107) 2,5-Dichlorobenzotrifl...	11.869	214	750164	236.72	ug/L	97
108) n-Butylbenzene	12.076	91	2256119	242.55	ug/L	98
109) 1,2-Dclbenz	12.064	146	1401300	211.08	ug/L	97
110) 1,2-Dibromo-3-chloropr...	12.692	157	262057	259.79	ug/L	98
111) Trielution Dichlorotol...	12.826	125	3506164	743.46	ug/L	99
112) 1,3,5-Trichlorobenzene	12.875	180	991775	235.69	ug/L	97
113) Coelution Dichlorotoluene	13.149	125	2551339	505.48	ug/L	97
114) 1,2,4-Tcbenzene	13.362	180	1019055	242.86	ug/L	98
115) Hexachlorobt	13.509	225	417897	219.40	ug/L	99
116) Naphthalen	13.545	128	3151337	258.66	ug/L	99
117) 1,2,3-Tclbenzene	13.740	180	1008583	249.52	ug/L	99
118) 2,4,5-Trichlorotoluene	14.326	159	502289	473.15	ug/L	97
119) 2,3,6-Trichlorotoluene	14.411	159	589824	466.24	ug/L	98

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

Data Path : I:\ACQDATA\MSVOA14\Data\032619\
 Data File : F5218.D
 Acq On : 26 Mar 2019 3:50 pm
 Operator : F.NAEGLER
 Sample : 200 PPB STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA14

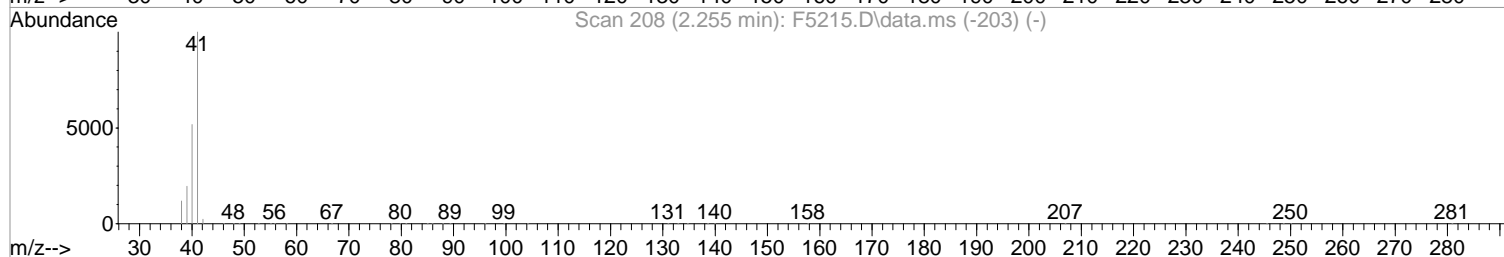
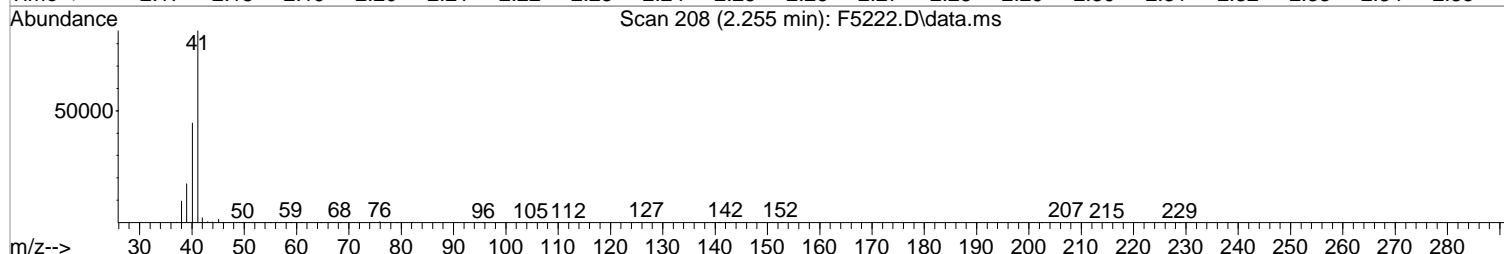
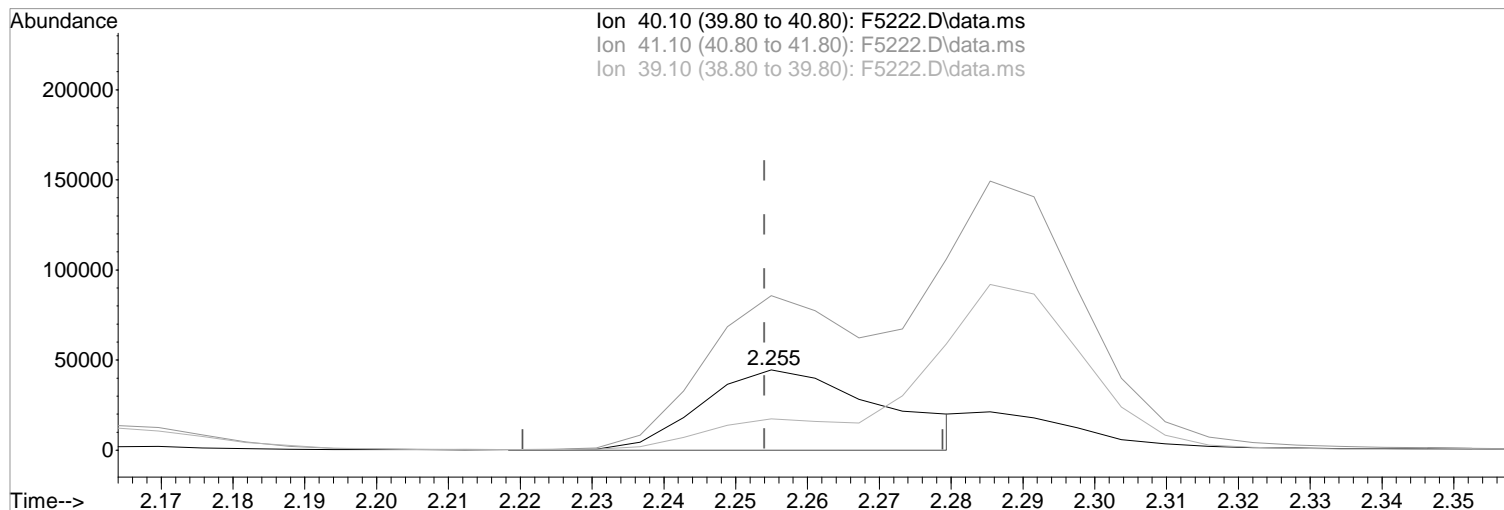
Quant Time: Mar 26 16:07:17 2019
 Quant Method : C:\msdchem\1\METHODS\W032619.m
 Quant Title : MS#14 - 8260 WATERS 5mL Purge
 QLast Update : Tue Mar 26 15:47:55 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F5222.D\data.ms

(19) Acetonitrile
2.255min (+0.001) 278.75 ug/L m
response 78209

Manual Integration:

After

Poor integration.

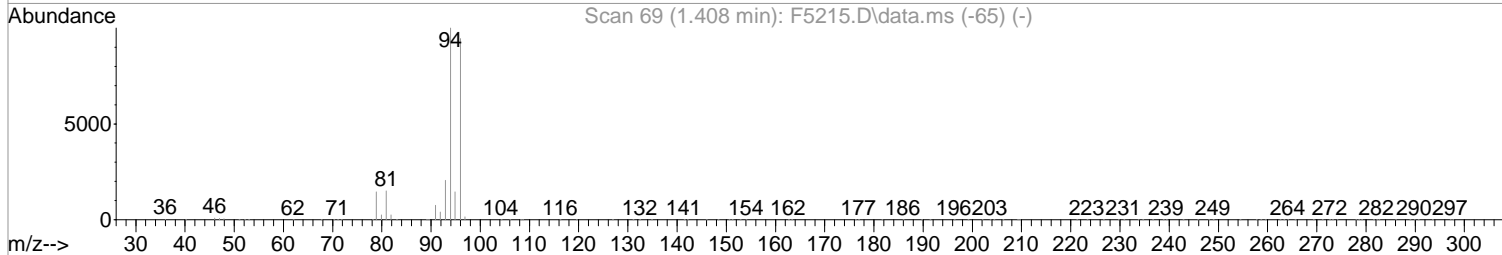
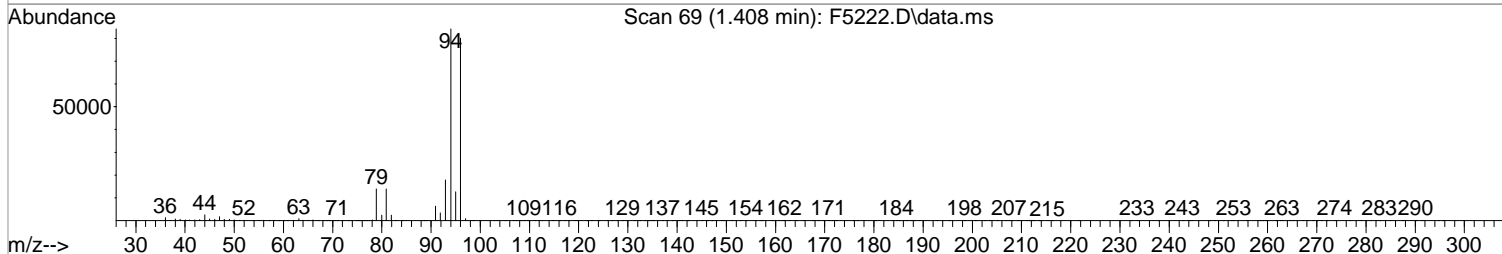
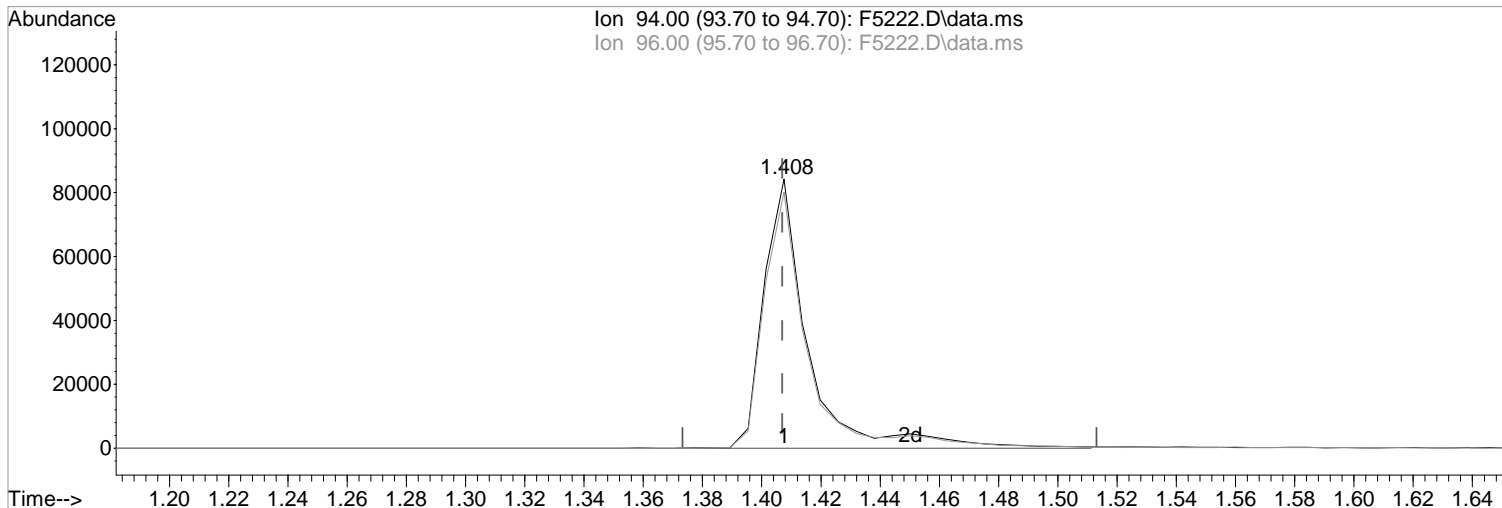
04/01/19

Ion	Exp%	Act%
40.10	100	100
41.10	192.60	192.35
39.10	38.20	38.87
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\032619\
Data File : F5222.D
Acq On : 26 Mar 2019 5:20 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Mar 30 14:51:07 2019
Quant Method : C:\msdchem\1\METHODS\W032619.m
Quant Title : MS#14 - 8260 WATERS 5mL Purge
QLast Update : Tue Mar 26 16:08:17 2019
Response via : Initial Calibration



TIC: F5222.D\data.ms

(5) Bromomethane (P)

1.408min (+0.001) 46.01 ug/L m

response 87822

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	95.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

Poor integration.

04/01/19

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 3/26/19 11:02

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\032619\F5208.D
Instrument ID: R-MS-14

Analytical Method: 8260C/624.1

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	17.6	23237	PASS
75	95	30	60	47.4	62467	PASS
95	95	100	100	100.0	131880	PASS
96	95	5	9	6.7	8865	PASS
173	174	0	2	0.7	755	PASS
174	95	50	120	85.5	112733	PASS
175	174	5	9	7.3	8187	PASS
176	174	95	101	95.7	107848	PASS
177	176	5	9	6.9	7451	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
ICAL BLK	ICAL BLK	I:\ACQUDATA\MSVOA14\DATA\032619\F5209.D	3/26/19 11:47
0.5 PPB STD	0.5 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5210.D	3/26/19 12:53
1.0 PPB STD	1.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5211.D	3/26/19 13:15
2.0 PPB STD	2.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5212.D	3/26/19 13:37
5.0 PPB STD	5.0 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5213.D	3/26/19 13:59
20 PPB STD	20 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5214.D	3/26/19 14:21
50 PPB STD	50 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5215.D	3/26/19 14:44
100 PPB STD	100 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5216.D	3/26/19 15:06
150 PPB STD	150 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5217.D	3/26/19 15:28
200 PPB STD	200 PPB STD	I:\ACQUDATA\MSVOA14\DATA\032619\F5218.D	3/26/19 15:50
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\DATA\032619\F5222.D	3/26/19 17:20

Analysis: 8260/1624 Analyst: F. Nugler pH strips: — Tune Method: W032619.M

Date: 3/26/19 Balance ID: — ResCl strips: — Run Method: ↓

Inst: MS #14 50 mL Class A used for dilution FV Syringes: 190697 / 77959 LIMS Run#: —

Data Path: \\acquadata\msvoa\InstID\Date

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F5206	Y	
2	BLK							07	Y	
3	TUBE							08	Y	
1	ICAL BLK							09	Y	
2	0.5 ppb std							10	Y	
3	1.0							11	Y	
4	2.0							12	Y	
5	5.0							13	Y	
6	20							14	Y	
7	50							15	Y	
8	100							16	Y	
9	150							17	Y	
10	200							18	Y	
11	BLK							19	Y	
12	↓							20	Y	
13	50 ppb FCV							21	Y	
14	BLK							22	Y	
11	BLK							23	Y	
12	↓							24	Y	

WATER ICAL TABLE

CONC (PPB)	0.5	1.0	2.0	5.0	20	50	100	150	200
1° T/G = 197760	10ul/10ul 5ul/5ul	10ul/10ul 5ul/5ul	20ul/10ul 10ul/5ul	50ul/10ul 20ul/5ul	2ul/5ul	5ul/5ul	10ul/5ul	15ul/5ul	20ul/5ul
1° HSL = 197761	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° FC = 197789	↓	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 197917	↓	↓	↓	↓	↓	↓	↓	↓	↓

All samples = 5 mL + 5 UL combined IS/Surr. 5 mL purged

Primary SEA TABLE RESULTS Fr Secondary 200 :197869 - 12.5ml
 Primary — T/G Secondary 50 :197372 - 5ul
 Primary — HSL Secondary ↓ :197777 - 5ul
 Primary — OCC Secondary ↓ :195890 - 5ul (ICV)
 Secondary —

Combined IS/Surr —
 Surrogate 50 :197705
 Internal Std 50 :197706
 Reagents: —

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6050.D
 Acq On : 19 Apr 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	363702	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	572971	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	497483	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	264824	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	172319	50.63	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery	=	101.26%	
47) SURR1,1,2-dichloroetha...	5.114	65	204992	50.03	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery	=	100.06%	
64) SURR3,Toluene-d8	7.949	98	689893	49.64	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery	=	99.28%	
69) SURR2,BFB	10.729	95	268802	48.34	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	192847	41.57	ug/L	99
3) Chloromethane	1.151	50	193599	41.67	ug/L	99
4) Vinyl Chloride	1.218	62	182607	41.76	ug/L	98
5) Bromomethane	1.414	94	113593	48.83	ug/L	100
6) Chloroethane	1.481	64	94544	37.11	ug/L	94
7) Freon 21	1.603	67	286781	43.96	ug/L	97
8) Trichlorofluoromethane	1.645	101	210416	41.51	ug/L	98
9) Diethyl Ether	1.846	59	156396	48.99	ug/L	98
10) Freon 123a	1.846	67	188346	45.94	ug/L	100
11) Freon 123	1.889	83	230606	49.79	ug/L	99
12) Acrolein	1.926	56	70779	96.37	ug/L	99
13) 1,1-Dicethene	2.005	96	133989	42.97	ug/L	96
14) Freon 113	2.011	101	131194	41.73	ug/L	92
15) Acetone	2.042	43	82726	58.45	ug/L	85
16) 2-Propanol	2.157	45	310887	1082.04	ug/L	96
17) Iodomethane	2.121	142	185164	41.18	ug/L	94
18) Carbon Disulfide	2.170	76	419488	44.54	ug/L	98
19) Acetonitrile	2.255	40	55585m	266.45	ug/L	
20) Allyl Chloride	2.291	76	76906	44.50	ug/L #	86
21) Methyl Acetate	2.310	43	137846	49.48	ug/L	96
22) Methylene Chloride	2.389	84	170288	47.48	ug/L	92
23) TBA	2.505	59	542081	1071.31	ug/L	96
24) Acrylonitrile	2.602	53	355385	261.51	ug/L	100
25) Methyl-t-Butyl Ether	2.657	73	544472	51.10	ug/L	99
26) trans-1,2-Dichloroethene	2.645	96	153686	44.32	ug/L	96
27) 1,1-Dicethane	3.066	63	292108	45.36	ug/L	97
28) Vinyl Acetate	3.145	86	39225	58.49	ug/L #	87
29) DIPE	3.182	45	576654	51.39	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.175	53	206299	44.49	ug/L	99
31) ETBE	3.639	59	508728	48.84	ug/L	98
32) 2,2-Dichloropropane	3.779	77	215573	43.48	ug/L	96
33) cis-1,2-Dichloroethene	3.785	96	181830	46.25	ug/L	96
34) 2-Butanone	3.828	43	102790	53.39	ug/L	94
35) Propionitrile	3.889	54	140449	262.62	ug/L	97
36) Bromochloromethane	4.120	130	114607	47.23	ug/L #	86
37) Methacrylonitrile	4.120	67	79990	51.07	ug/L	90
38) Tetrahydrofuran	4.212	42	63490	52.05	ug/L	92
39) Chloroform	4.273	83	286867	46.06	ug/L	95
40) 1,1,1-Trichloroethane	4.547	97	223324	44.10	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6050.D
 Acq On : 19 Apr 2019 4:31 pm
 Operator : F.NAEGLER
 Sample : 50 PPB ICV Inst : MSVOA14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	520767	53.35	ug/L	95
43) Cyclohexane	4.639	41	159249	46.39	ug/L	87
45) Carbontetrachloride	4.840	121	52587	42.46	ug/L	84
46) 1,1-Dichloropropene	4.852	75	203929	43.56	ug/L	96
48) Benzene	5.218	78	633088	44.01	ug/L	96
49) 1,2-Dichloroethane	5.260	62	238442	47.38	ug/L	97
50) Iso-Butyl Alcohol	5.260	43	212362	1089.45	ug/L	96
51) n-Heptane	5.803	43	208055	43.05	ug/L	97
52) 1-Butanol	6.370	56	354471	2866.31	ug/L	94
53) Trichloroethene	6.303	130	182768	45.22	ug/L	96
54) Methylcyclohexane	6.565	55	235051	47.98	ug/L	95
55) 1,2-Diclpropane	6.608	63	181259	47.15	ug/L	99
56) Dibromomethane	6.760	93	107814	46.31	ug/L	96
57) 1,4-Dioxane	6.845	88	59748	1098.68	ug/L	95
58) Methyl Methacrylate	6.888	69	138857	52.46	ug/L	98
59) Bromodichloromethane	7.022	83	212924	47.02	ug/L	96
60) 2-Nitropropane	7.333	41	95913	113.44	ug/L	95
61) 2-Chloroethylvinyl Ether	7.486	63	46834	54.43	ug/L	96
62) cis-1,3-Dichloropropene	7.626	75	287075	48.41	ug/L	96
63) 4-Methyl-2-pentanone	7.864	43	191272	53.07	ug/L	96
65) Toluene	8.028	91	685539	43.88	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	254185	49.85	ug/L	99
67) Ethyl Methacrylate	8.504	69	251960	52.62	ug/L	92
68) 1,1,2-Trichloroethane	8.528	97	157488	46.74	ug/L	93
71) Tetrachloroethene	8.668	164	124073	41.61	ug/L	95
72) 2-Hexanone	8.869	43	141331	53.85	ug/L	93
73) 1,3-Dichloropropane	8.711	76	281327	48.04	ug/L	97
74) Dibromochloromethane	8.961	129	153835	48.62	ug/L	98
75) N-Butyl Acetate	9.052	43	296372	55.76	ug/L	91
76) 1,2-Dibromoethane	9.058	107	163069	48.57	ug/L	99
77) Chlorobenzene	9.607	112	449666	44.74	ug/L	97
78) 1,1,1,2-Tetrachloroethane	9.705	131	159164	48.33	ug/L	98
79) Ethylbenzene	9.747	106	236934	44.65	ug/L	98
80) (m+p)Xylene	9.869	106	584240	89.48	ug/L	98
81) o-Xylene	10.247	106	291894	45.52	ug/L	96
82) Styrene	10.259	104	504846	47.41	ug/L	99
83) Bromoform	10.412	173	91360	49.45	ug/L	99
84) Isopropylbenzene	10.607	105	726417	43.43	ug/L	99
85) Cyclohexanone	10.656	55	710894	1116.80	ug/L	92
86) trans-1,4-Dichloro-2-B...	10.930	53	53470	53.47	ug/L	88
88) 1,1,2,2-Tetrachloroethane	10.881	83	191430	46.28	ug/L	97
89) Bromobenzene	10.845	156	198602	44.87	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	67807	48.24	ug/L	94
91) n-Propylbenzene	10.979	91	860997	42.58	ug/L	99
92) 2-Chlorotoluene	11.034	91	530128	43.48	ug/L	96
93) 4-Chlorotoluene	11.131	91	606502	43.36	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	624360	44.30	ug/L	98
95) tert-Butylbenzene	11.418	119	528842	42.45	ug/L	98
96) 1,2,4-Trimethylbenzene	11.460	105	641374	45.21	ug/L	98
97) sec-Butylbenzene	11.607	105	800641	42.23	ug/L	98
98) p-Isopropyltoluene	11.735	119	671009	42.95	ug/L	99
99) 1,3-Dclbenz	11.680	146	371568	43.35	ug/L	98
100) 1,4-Dclbenz	11.759	146	377101	43.43	ug/L	96
101) n-Butylbenzene	12.076	91	634576	43.57	ug/L	96
102) 1,2-Dclbenz	12.064	146	361410	44.54	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	39149	51.99	ug/L	92

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV Inst : MSVOA14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 22 10:42:00 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration

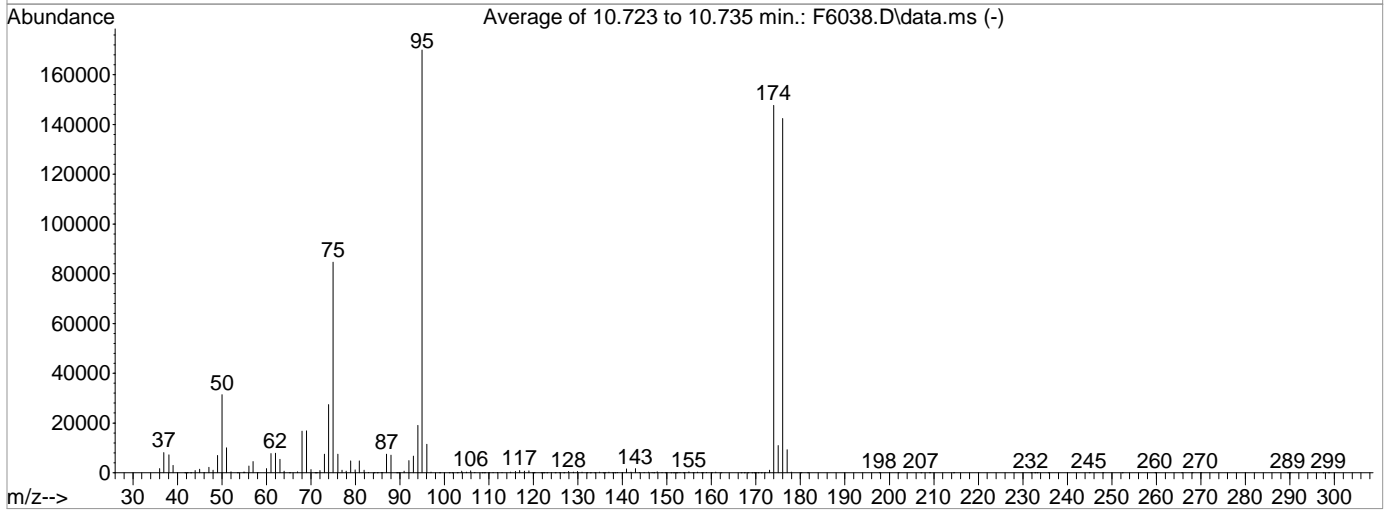
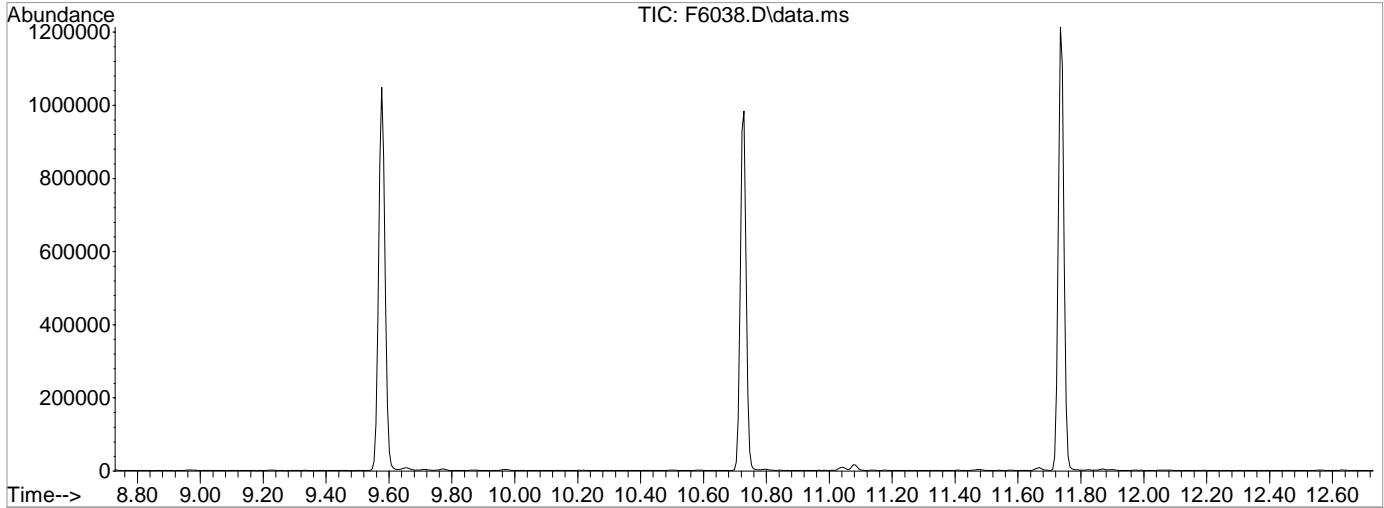
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	283441	49.41	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	255540	49.42	ug/L	98
106) Hexachlorobt	13.509	225	130359	43.93	ug/L	98
107) Naphthalen	13.551	128	577704	52.92	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	223305	51.87	ug/L	98

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6038.D
 Acq On : 19 Apr 2019 11:22 am
 Operator : F.NAEGLER
 Sample : TUNE
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 Inst : MSVOA14

Integration File: CPD4.P

Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Title : MS#14 - 8260 SOILS 10ml PURGE
 Last Update : Wed Mar 06 09:14:26 2019



AutoFind: Scans 1597, 1598, 1599; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	31403	PASS
75	95	30	60	49.8	84679	PASS
95	95	100	100	100.0	169907	PASS
96	95	5	9	6.8	11506	PASS
173	174	0.00	2	0.7	1022	PASS
174	95	50	120	86.9	147664	PASS
175	174	5	9	7.4	10947	PASS
176	174	95	101	96.4	142363	PASS
177	176	5	9	6.5	9320	PASS

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6039.D
 Acq On : 19 Apr 2019 11:45 am
 Operator : F.NAEGLER
 Sample : ICAL BLK Inst : MSVOA14
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

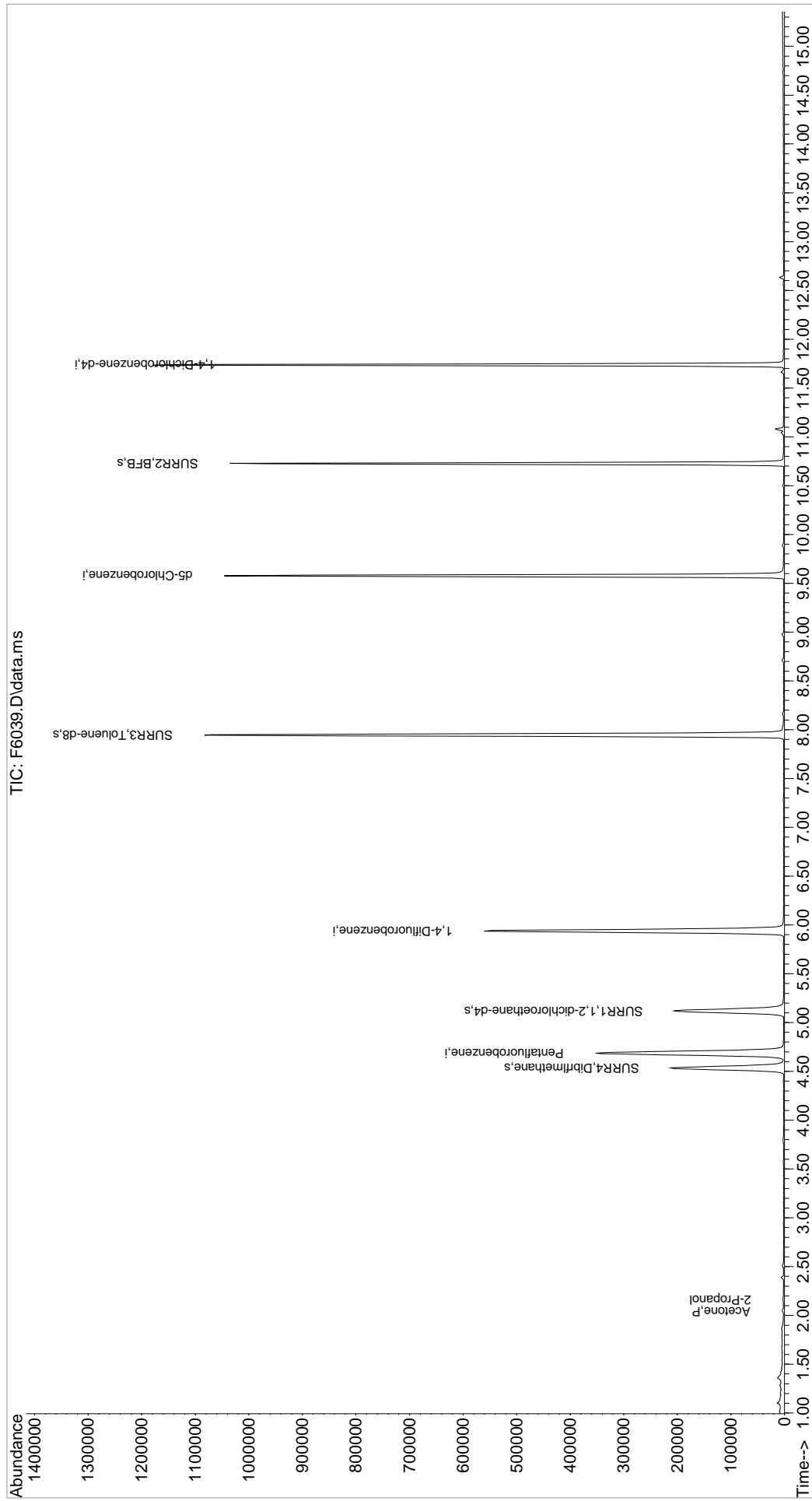
Quant Time: Apr 22 10:39:56 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration

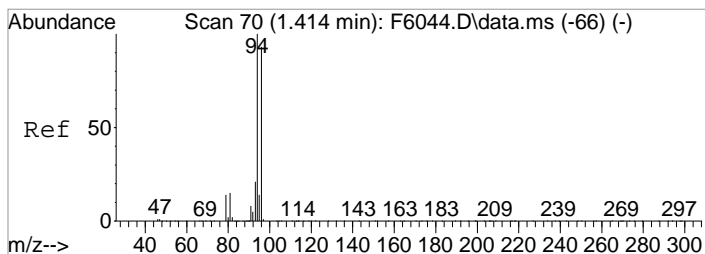
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	356707	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	552577	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	476893	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	237094	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	174242	53.08	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery	=	106.16%	
47) SURR1,1,2-dichloroetha...	5.120	65	206496	52.25	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery	=	104.50%	
64) SURR3,Toluene-d8	7.943	98	719736	53.69	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery	=	107.38%	
69) SURR2,BFB	10.729	95	270985	50.53	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery	=	101.06%	
Target Compounds						
5) Bromomethane	1.420	94	857	Below Cal		Qvalue 90
15) Acetone	2.041	43	2273	1.64	ug/L	77
16) 2-Propanol	2.157	45	636	2.26	ug/L	84
22) Methylene Chloride	2.389	84	1409	Below Cal		92

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

Data Path : I:\ACQDATA\MSVOA14\Data\041919\
 Data File : F6039.D
 Acq On : 19 Apr 2019 11:45 am
 Operator : F.NAEGLER
 Sample : ICAL BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA14

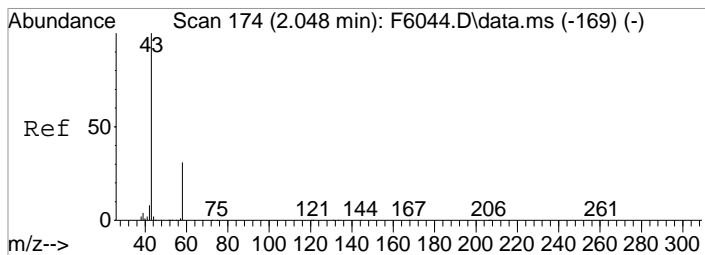
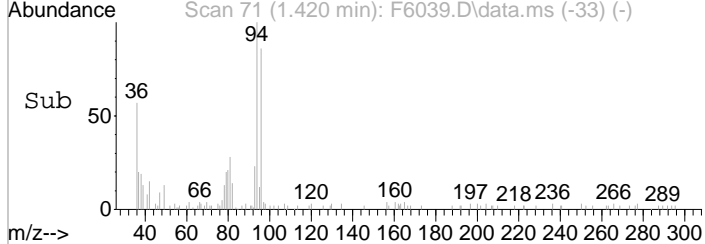
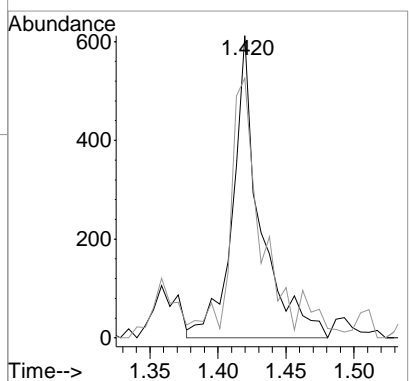
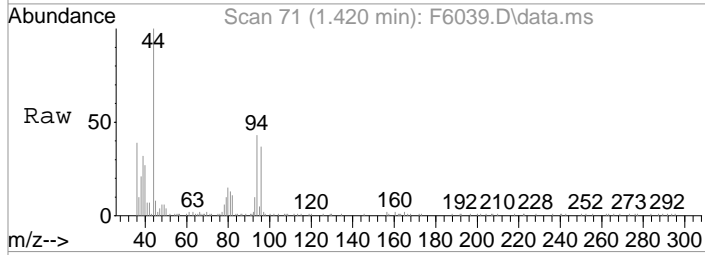
Quant Time: Apr 22 10:39:56 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Mon Apr 22 10:00:17 2019
 Response via : Initial Calibration





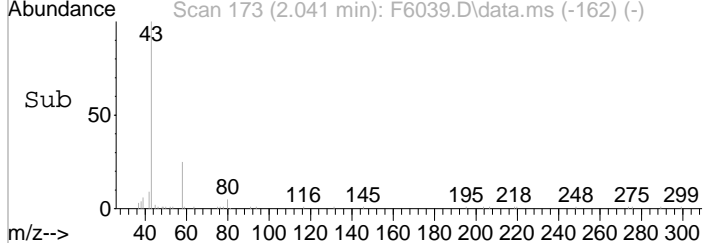
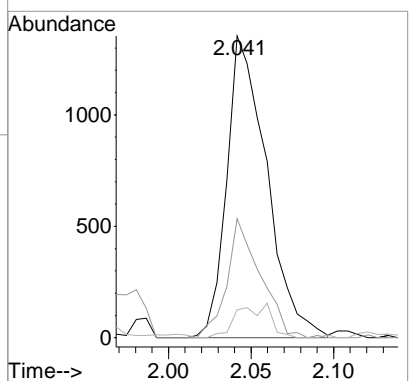
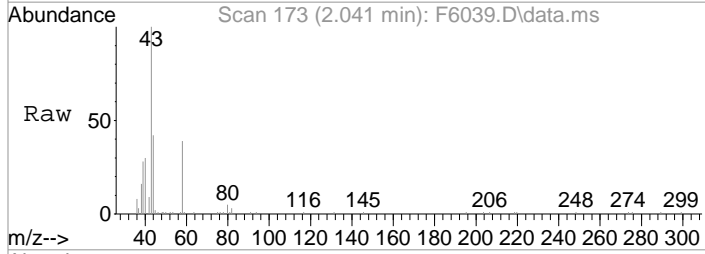
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.420 min Scan# 71
 Delta R.T. 0.007 min
 Lab File: F6039.D
 Acq: 19 Apr 2019 11:45 am

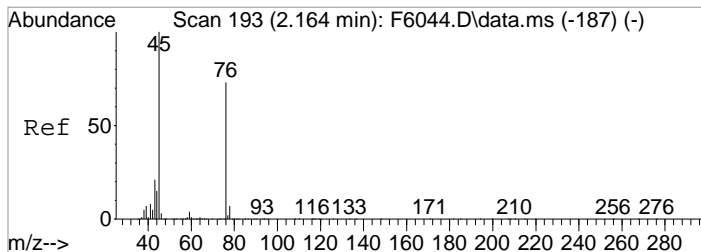
Tgt Ion	Resp	Lower	Upper
94	100		
96	85.9	75.4	115.4



#15
 Acetone
 Concen: 1.64 ug/L
 RT: 2.041 min Scan# 173
 Delta R.T. -0.006 min
 Lab File: F6039.D
 Acq: 19 Apr 2019 11:45 am

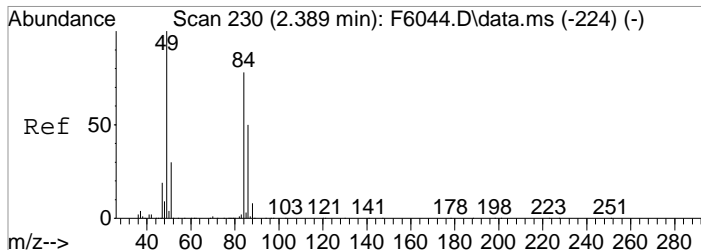
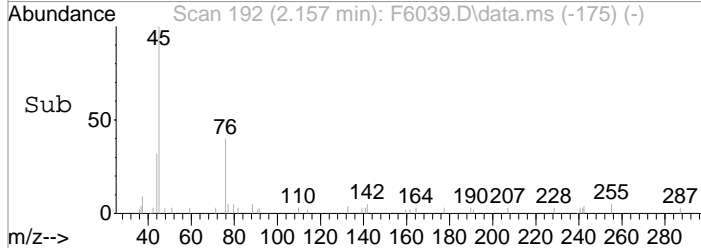
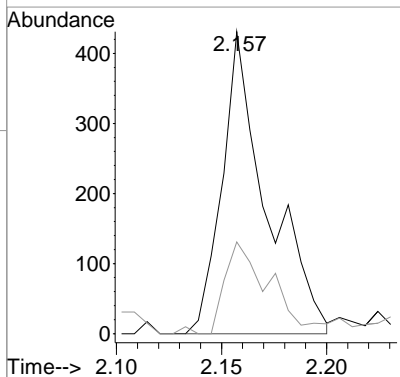
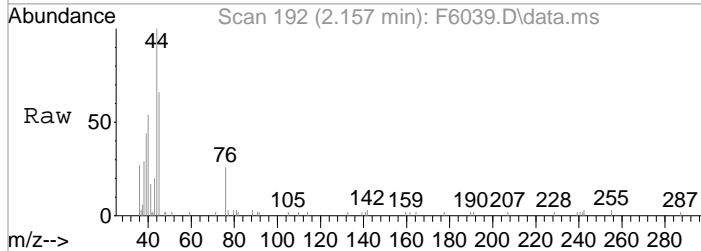
Tgt Ion	Resp	Lower	Upper
43	100		
58	39.4	5.1	45.1
42	9.3	0.0	27.4





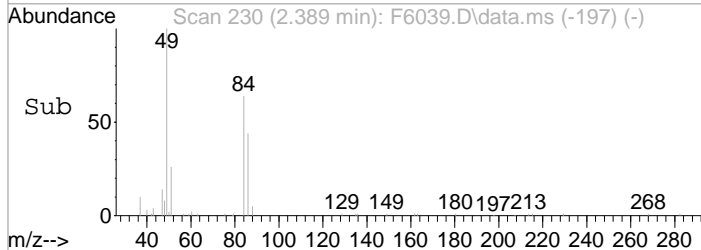
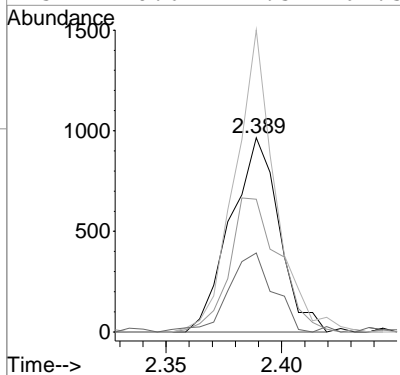
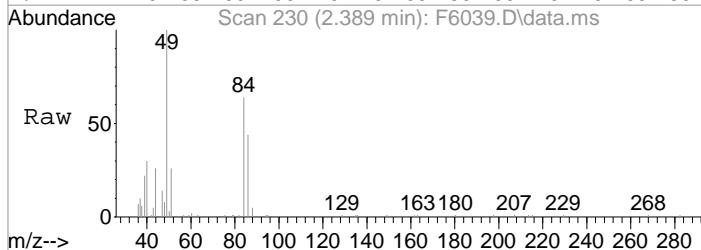
#16
 2-Propanol
 Concen: 2.26 ug/L
 RT: 2.157 min Scan# 192
 Delta R.T. -0.006 min
 Lab File: F6039.D
 Acq: 19 Apr 2019 11:45 am

Tgt Ion	Resp	Lower	Upper
45	100		
43	30.4	2.7	42.7



#22
 Methylene Chloride
 Concen: Below Cal
 RT: 2.389 min Scan# 230
 Delta R.T. -0.000 min
 Lab File: F6039.D
 Acq: 19 Apr 2019 11:45 am

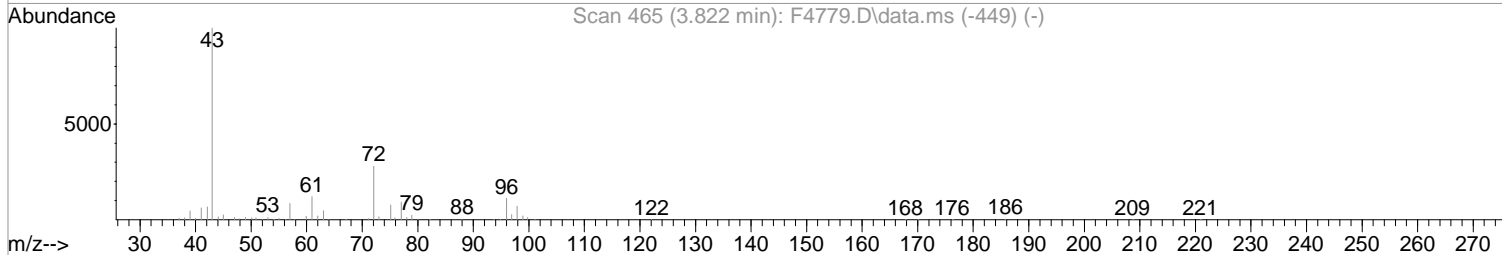
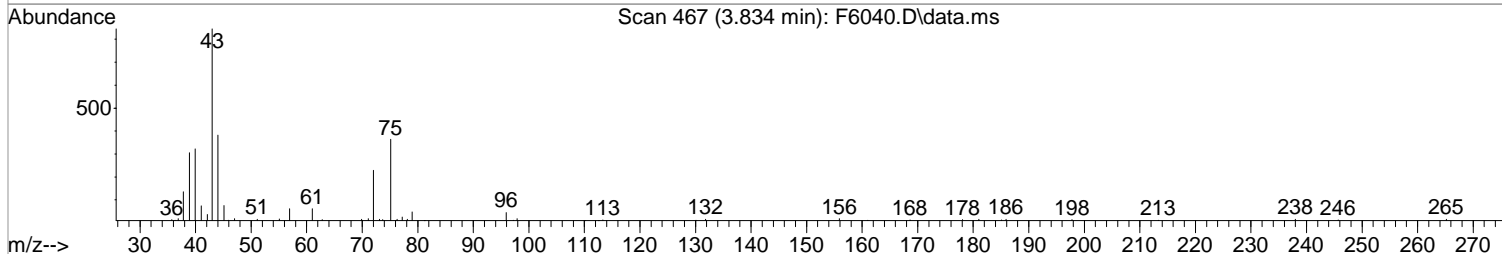
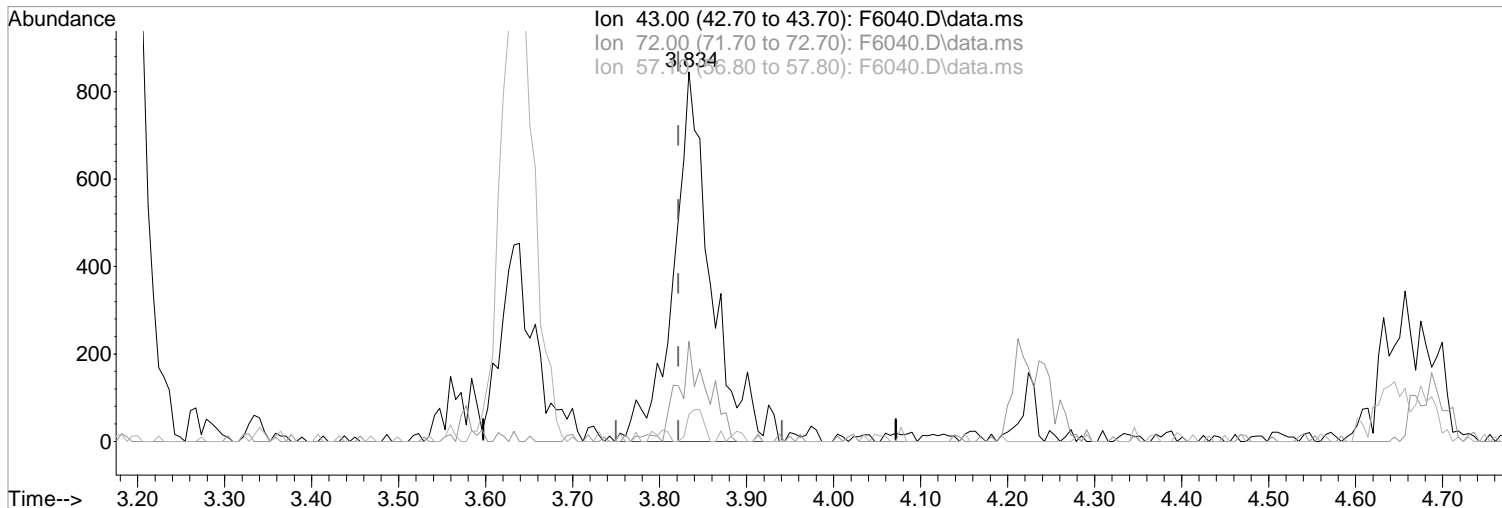
Tgt Ion	Resp	Lower	Upper
84	100		
86	68.3	45.6	85.6
49	155.5	120.4	160.4
51	40.6	22.5	62.5



Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(34) 2-Butanone (P)
3.834min (+0.012) 1.45 ug/L m
response 2549

Manual Integration:

After

Poor integration.

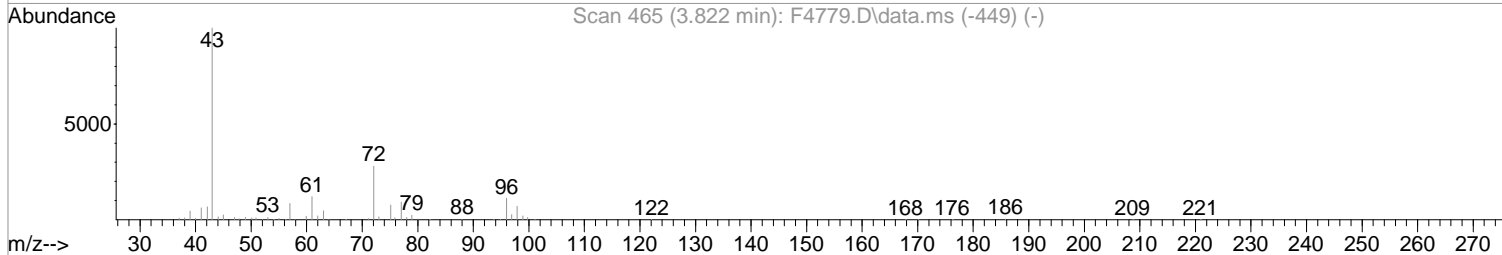
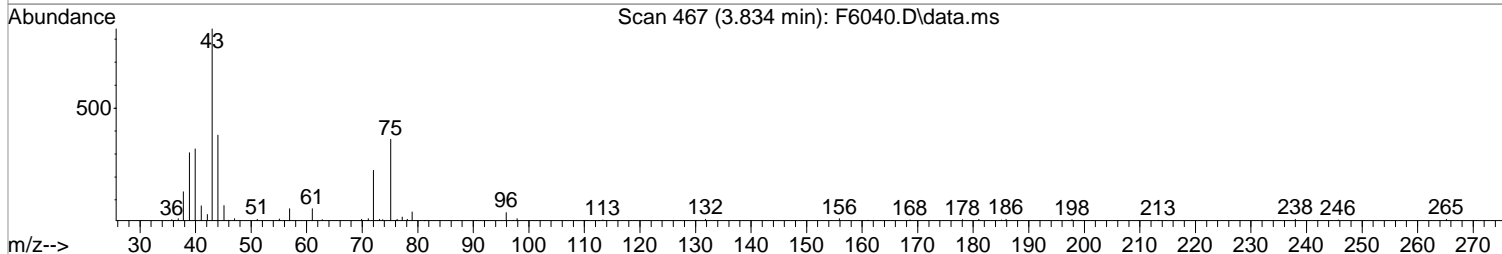
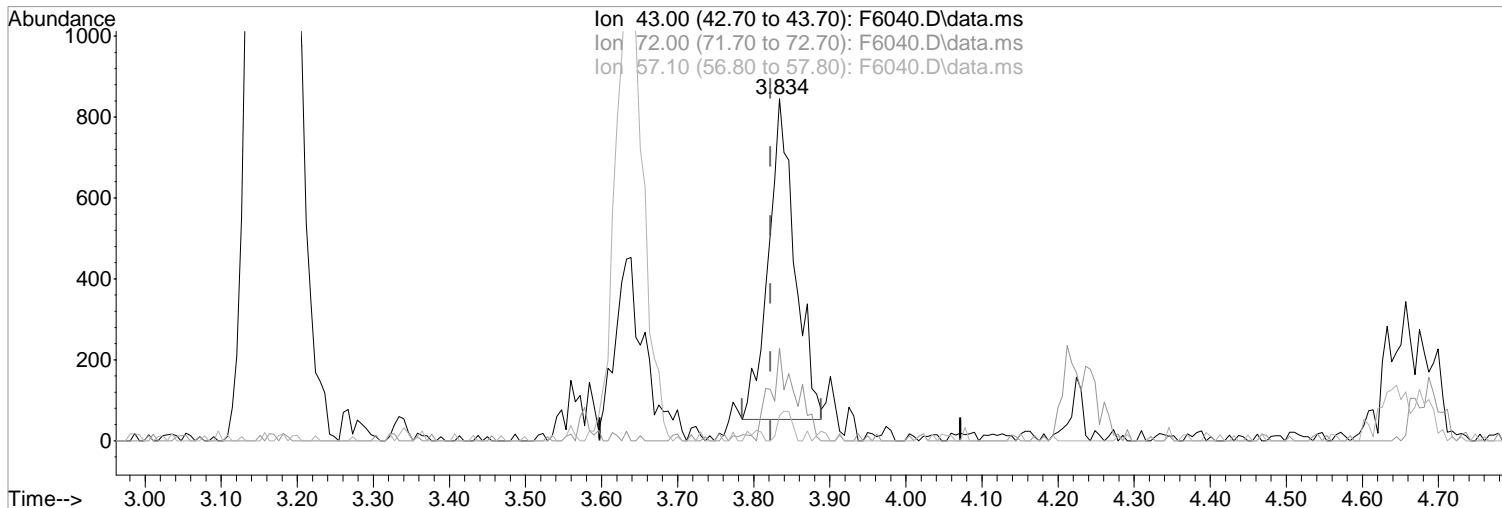
04/19/19

Ion	Exp%	Act%
43.00	100	100
72.00	23.80	27.10
57.10	8.50	7.34
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(34) 2-Butanone (P)
3.834min (+0.012) 1.09 ug/L
response 1919

Manual Integration:

Before

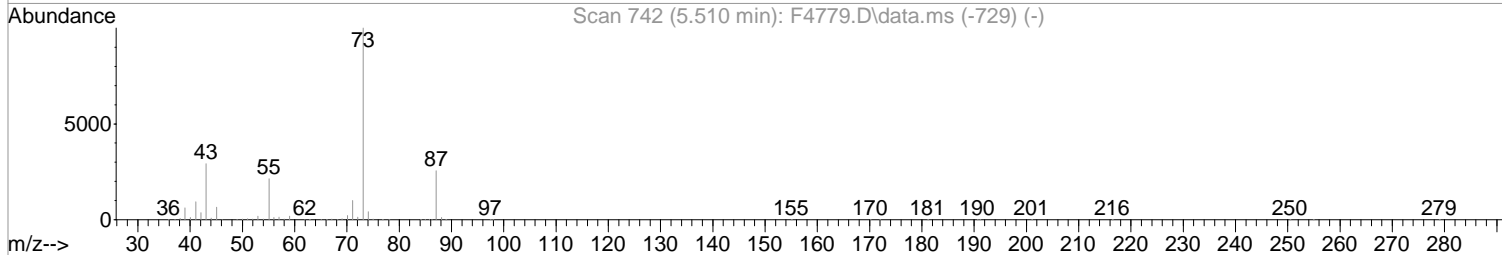
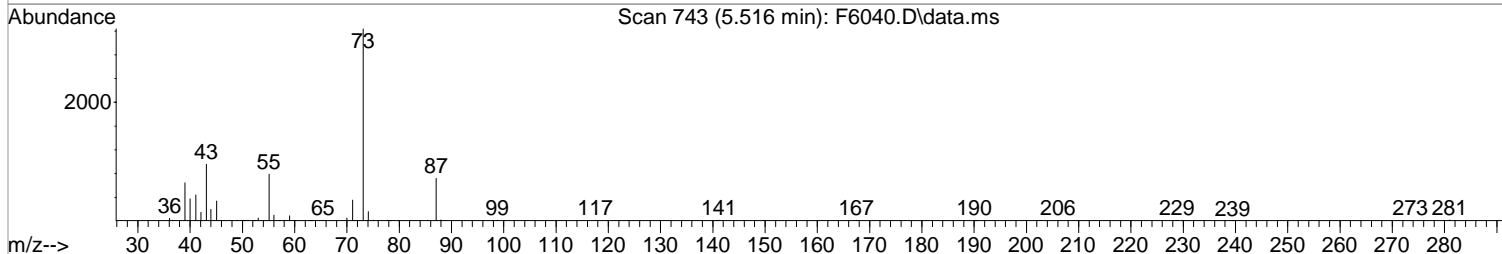
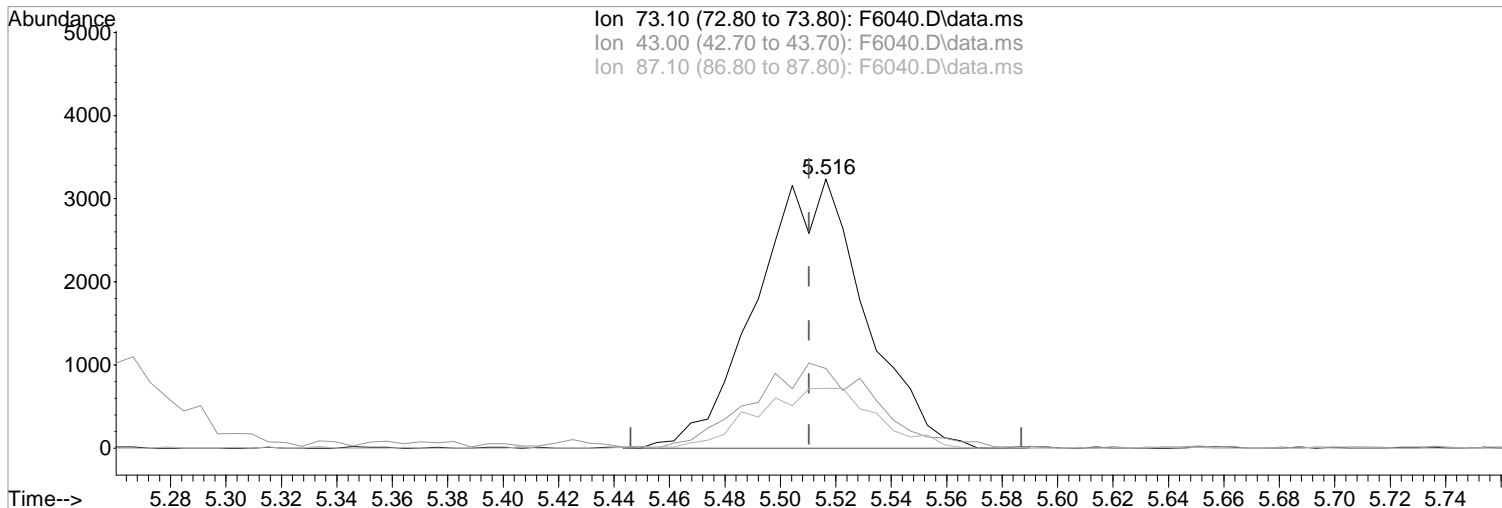
Ion	Exp%	Act%
43.00	100	100
72.00	23.80	27.10
57.10	8.50	7.34
0.00	0.00	0.00

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(41) TAME

5.516min (+0.006) 0.91 ug/L m

response 8801

Ion	Exp%	Act%
73.10	100	100
43.00	36.20	29.55
87.10	23.20	22.29
0.00	0.00	0.00

Manual Integration:

After

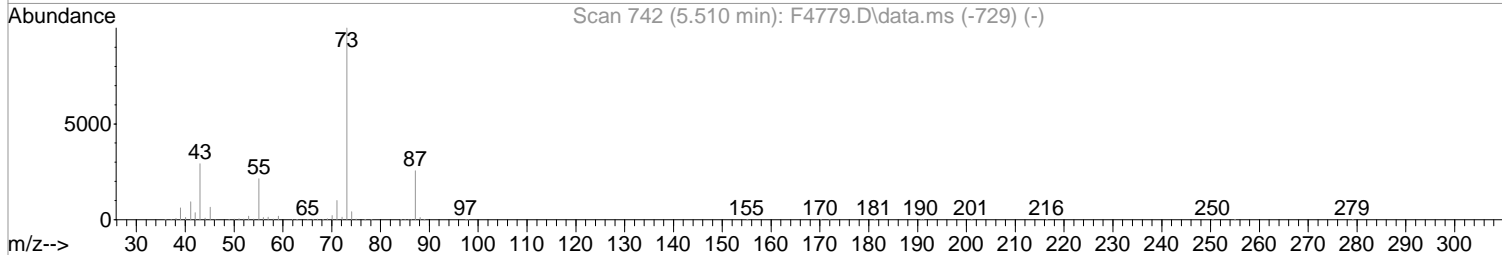
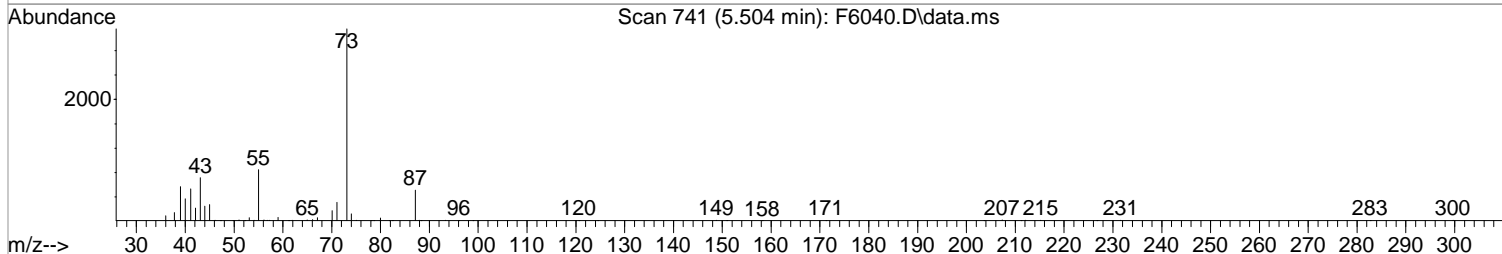
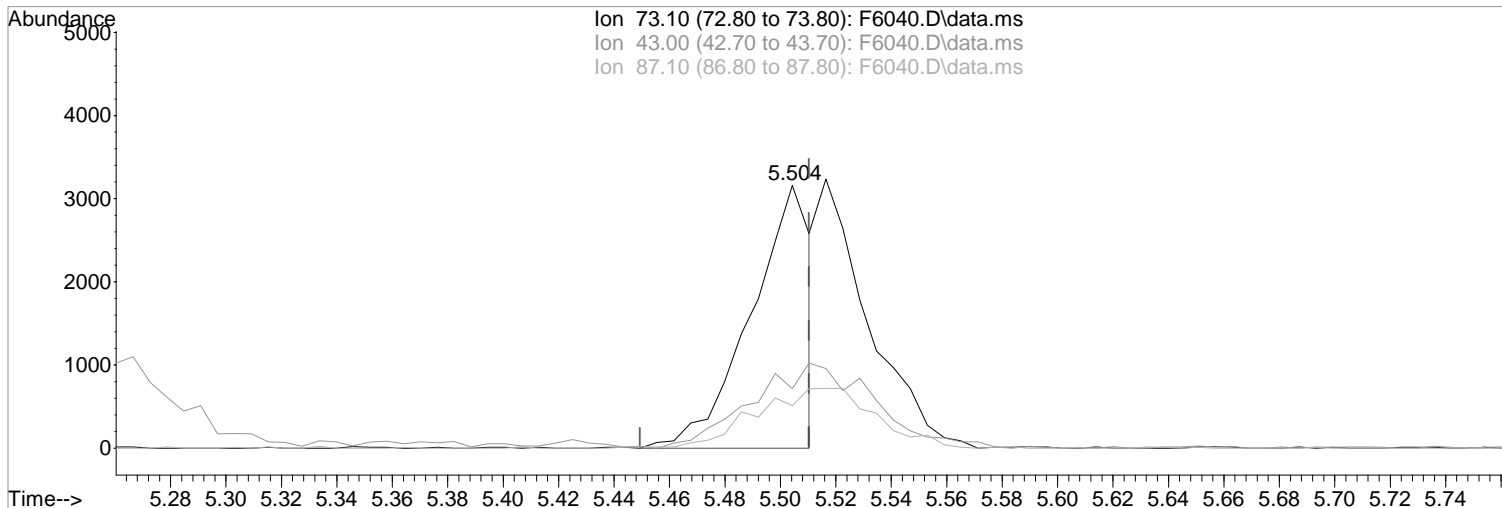
Poor integration.

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(41) TAME

5.504min (-0.006) 0.49 ug/L

response 4760

Ion	Exp%	Act%
73.10	100	100
43.00	36.20	22.63
87.10	23.20	16.21
0.00	0.00	0.00

Manual Integration:

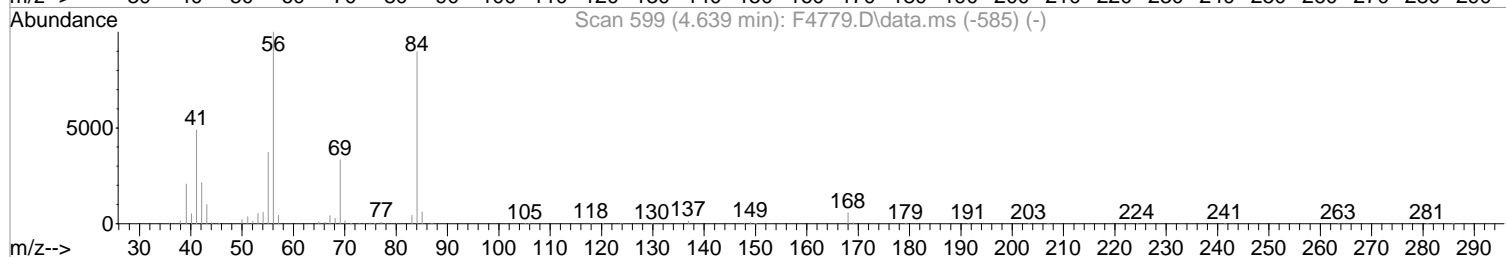
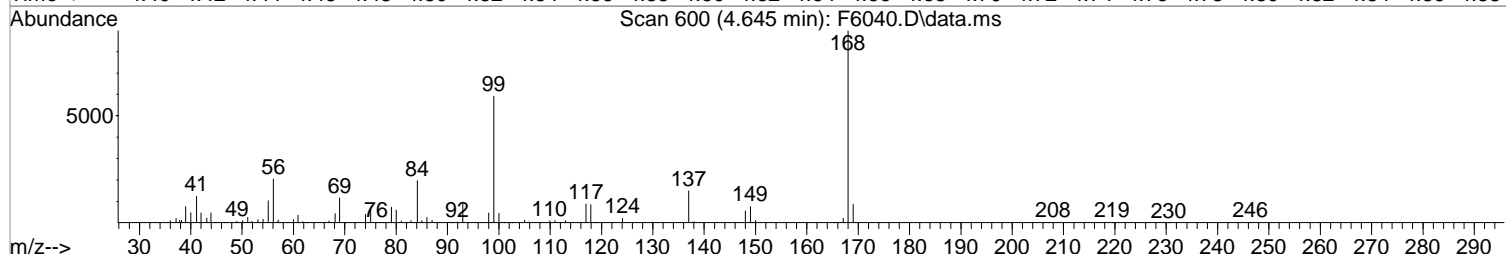
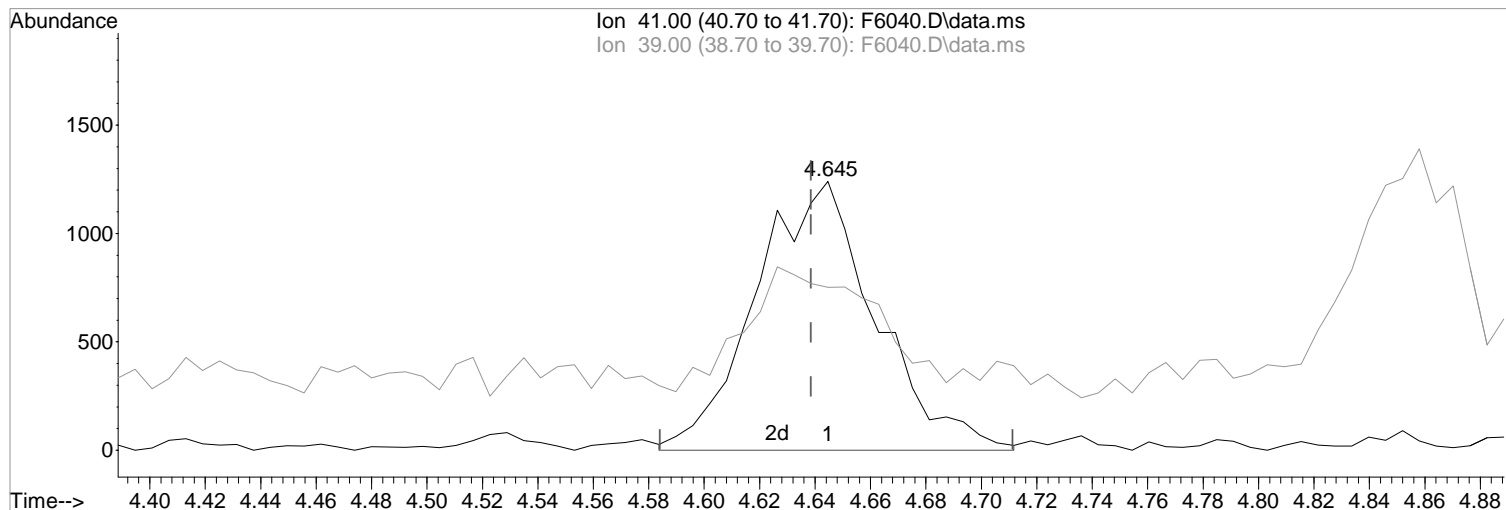
Before

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(43) Cyclohexane (P)

4.645min (+0.006) 1.33 ug/L m

response 3724

Ion	Exp%	Act%
41.00	100	100
39.00	55.60	60.60
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

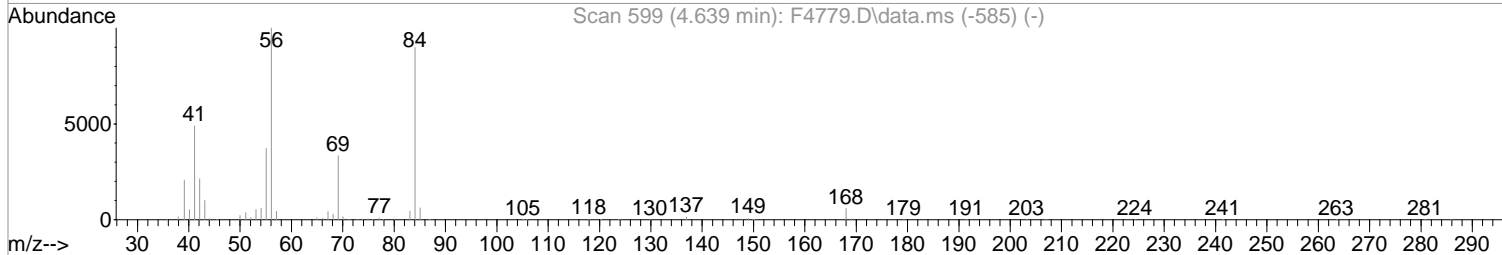
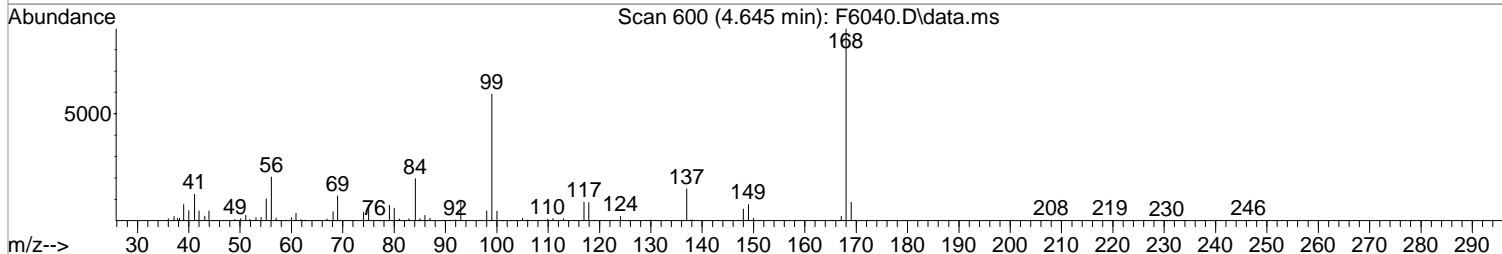
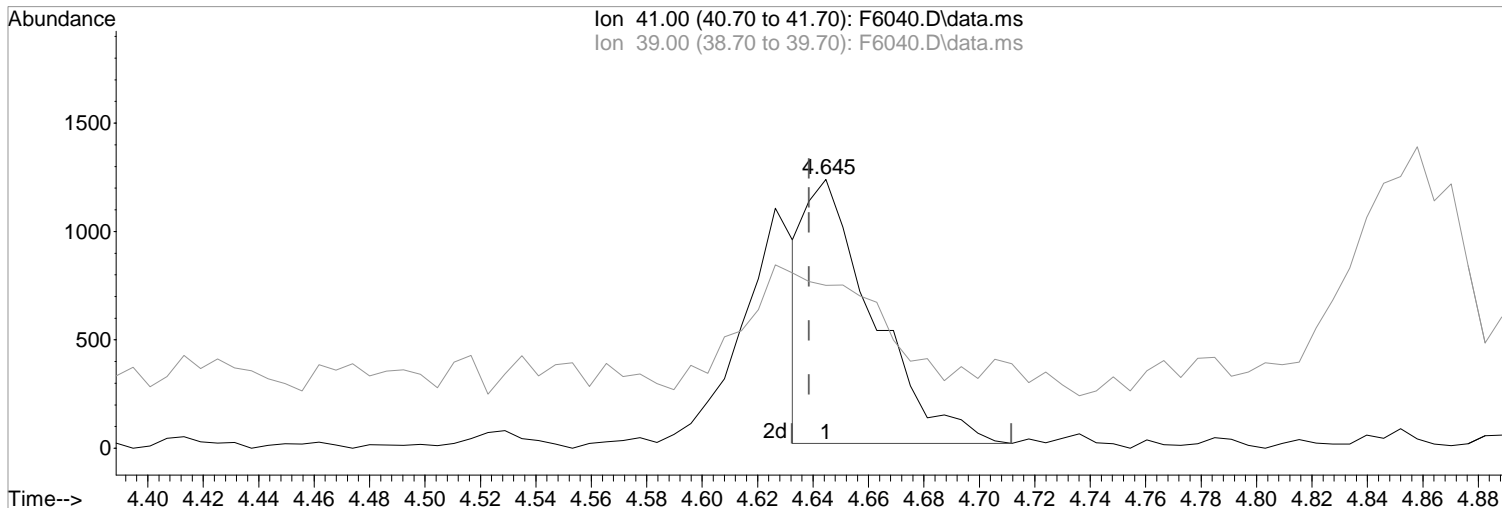
Poor integration.

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(43) Cyclohexane (P)
4.645min (+0.006) 0.75 ug/L
response 2109

Manual Integration:

Before

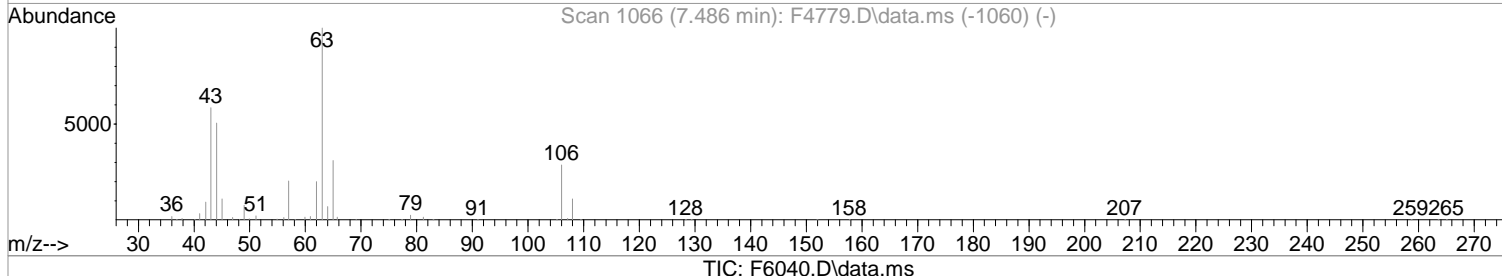
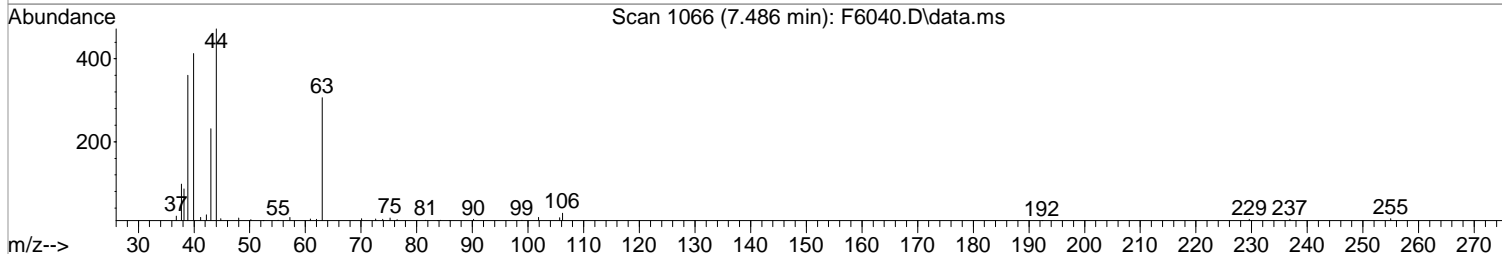
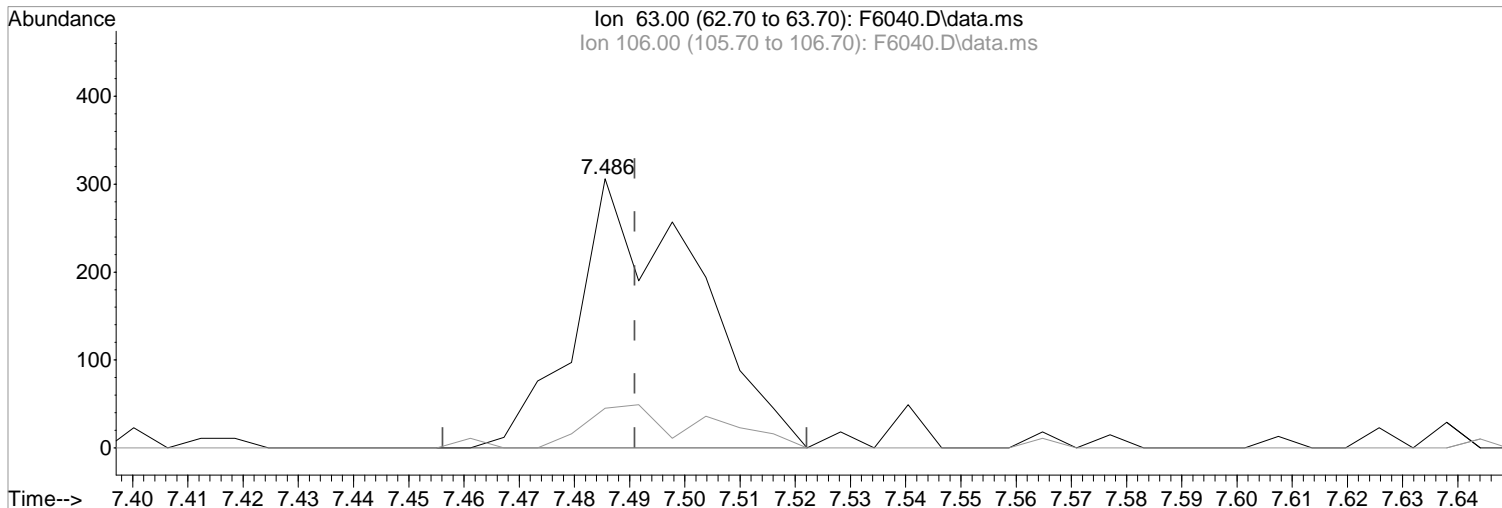
Ion	Exp%	Act%
41.00	100	100
39.00	55.60	60.60
0.00	0.00	0.00
0.00	0.00	0.00

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



(61) 2-Chloroethylvinyl Ether

7.486min (-0.005) 1.10 ug/L m

response 463

Ion	Exp%	Act%
63.00	100	100
106.00	28.20	9.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

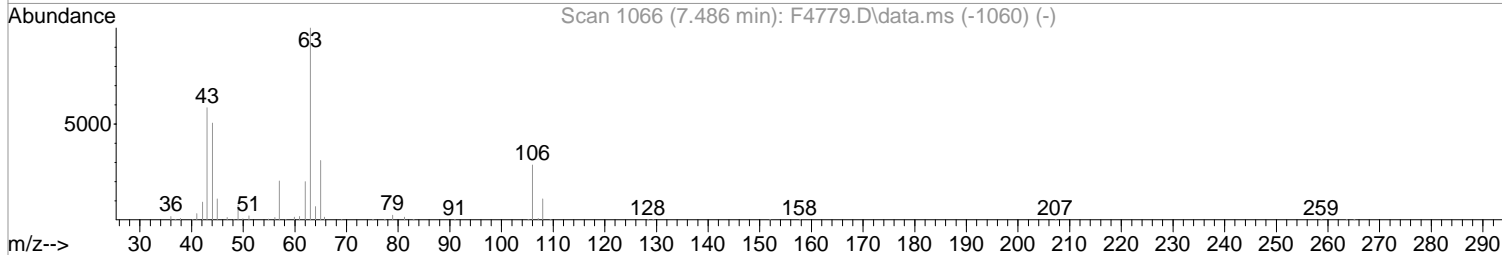
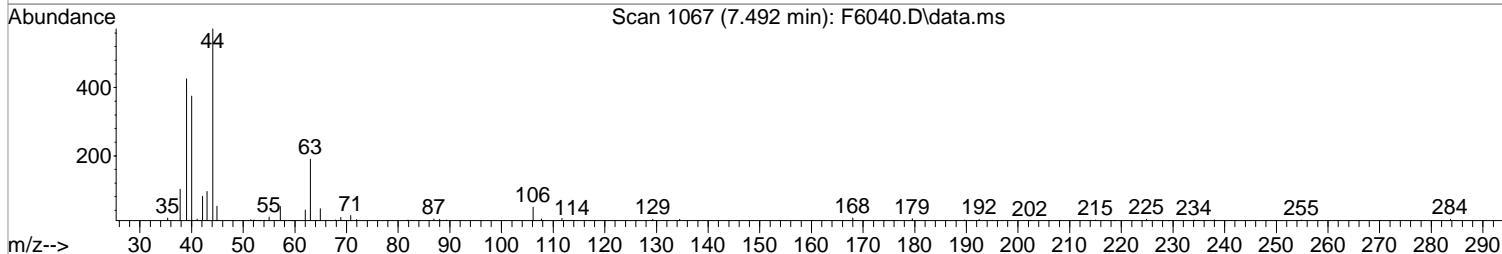
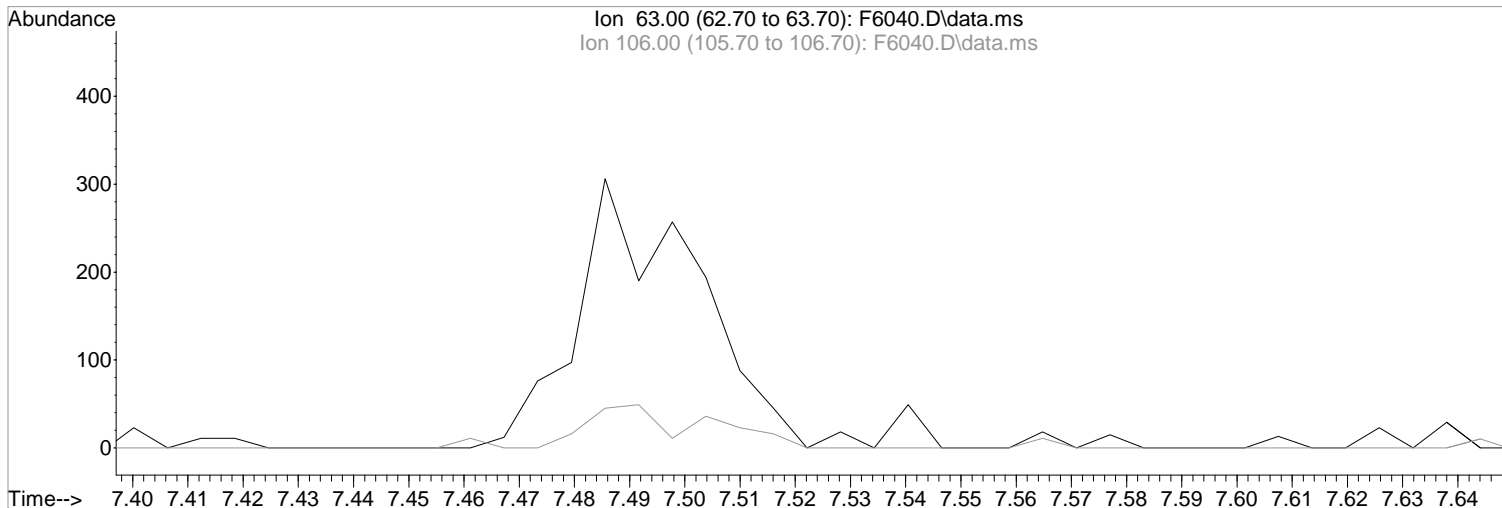
Poor integration.

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6040.D
Acq On : 19 Apr 2019 12:21 pm
Operator : F.NAEGLER
Sample : 1.0 PPB STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 12:52:40 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Wed Mar 06 09:14:26 2019
Response via : Initial Calibration



TIC: F6040.D\data.ms

(61) 2-Chloroethylvinyl Ether

Manual Integration:

7.491min (-7.491) 0.00 ug/L

Before

response 0

Ion Exp% Act%

04/19/19

63.00 100 0.00

106.00 28.20 0.00#

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6040.D
 Acq On : 19 Apr 2019 12:21 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Wed Mar 06 09:14:26 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	345573	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	536560	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	468880	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	238806	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	33175	9.07	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery	=	18.14%#	
47) SURR1,1,2-dichloroetha...	5.120	65	42177	10.56	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery	=	21.12%#	
64) SURR3,Toluene-d8	7.949	98	146493	9.83	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery	=	19.66%#	
69) SURR2,BFB	10.729	95	66814	11.59	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery	=	23.18%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	5061	1.12	ug/L	93
3) Chloromethane	1.151	50	5193	1.15	ug/L	98
4) Vinyl Chloride	1.218	62	4629	1.14	ug/L	99
5) Bromomethane	1.420	94	3915	1.52	ug/L	84
6) Chloroethane	1.481	64	2885	1.27	ug/L	90
7) Freon 21	1.609	67	6746	1.22	ug/L	97
8) Trichlorofluoromethane	1.651	101	5215	1.11	ug/L	98
9) Diethyl Ether	1.846	59	2990	0.98	ug/L	93
10) Freon 123a	1.846	67	4377	1.28	ug/L	92
11) Freon 123	1.889	83	4763	1.16	ug/L	96
12) Acrolein	1.926	56	3507	5.54	ug/L	94
13) 1,1-Dicethene	2.011	96	3424	1.15	ug/L	91
14) Freon 113	2.017	101	3458	1.23	ug/L	94
15) Acetone	2.041	43	3276	1.96	ug/L	79
16) 2-Propanol	2.157	45	5744	19.91	ug/L	98
17) Iodomethane	2.121	142	2440	0.69	ug/L	79
18) Carbon Disulfide	2.176	76	9624	1.14	ug/L	96
19) Acetonitrile	2.261	40	1190	6.66	ug/L #	41
20) Allyl Chloride	2.291	76	1763	1.13	ug/L #	89
21) Methyl Acetate	2.316	43	2783	1.06	ug/L	97
22) Methylene Chloride	2.389	84	5148	1.28	ug/L	92
23) TBA	2.505	59	10271	20.51	ug/L	98
24) Acrylonitrile	2.608	53	5922	4.59	ug/L	91
25) Methyl-t-Butyl Ether	2.657	73	9950	0.98	ug/L	92
26) trans-1,2-Dichloroethene	2.645	96	3564	1.07	ug/L	95
27) 1,1-Dicethane	3.066	63	6407	1.09	ug/L	96
28) Vinyl Acetate	3.145	86	513	0.78	ug/L #	93
29) DIPE	3.182	45	10517	1.03	ug/L	99
30) 2-Chloro-1,3-Butadiene	3.175	53	4677	1.16	ug/L	96
31) ETBE	3.639	59	9652	0.97	ug/L	93
32) 2,2-Dichloropropane	3.773	77	5176	1.10	ug/L	90
33) cis-1,2-Dichloroethene	3.785	96	3884	1.02	ug/L	98
34) 2-Butanone	3.834	43	2549m	1.45	ug/L	
35) Propionitrile	3.901	54	2338	4.72	ug/L	96
36) Bromochloromethane	4.120	130	2272	0.91	ug/L #	87
37) Methacrylonitrile	4.133	67	1332	0.88	ug/L #	79
38) Tetrahydrofuran	4.224	42	1284	1.16	ug/L	81
39) Chloroform	4.279	83	6492	1.11	ug/L	100
40) 1,1,1-Trichloroethane	4.553	97	5133	1.10	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6040.D
 Acq On : 19 Apr 2019 12:21 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Wed Mar 06 09:14:26 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	8801m	0.91	ug/L	
43) Cyclohexane	4.645	41	3724m	1.33	ug/L	
45) Carbontetrachloride	4.834	121	1271	1.03	ug/L #	66
46) 1,1-Dichloropropene	4.846	75	4851	1.10	ug/L	92
48) Benzene	5.218	78	14328	1.00	ug/L	95
49) 1,2-Dichloroethane	5.260	62	4739	1.01	ug/L	97
50) Iso-Butyl Alcohol	5.266	43	3129	15.82	ug/L	88
51) n-Heptane	5.809	43	5158	1.21	ug/L	89
52) 1-Butanol	6.376	56	4770	35.26	ug/L	92
53) Trichloroethene	6.303	130	4114	0.98	ug/L	98
54) Methylcyclohexane	6.565	55	4892	1.15	ug/L	87
55) 1,2-Diclpropane	6.608	63	3482	0.90	ug/L	90
56) Dibromomethane	6.754	93	2099	0.89	ug/L	89
57) 1,4-Dioxane	6.858	88	984	16.78	ug/L	85
58) Methyl Methacrylate	6.888	69	2260	0.83	ug/L	93
59) Bromodichloromethane	7.022	83	4360	0.99	ug/L	99
60) 2-Nitropropane	7.333	41	3785	3.52	ug/L #	64
61) 2-Chloroethylvinyl Ether	7.486	63	463m	1.10	ug/L	
62) cis-1,3-Dichloropropene	7.626	75	5268	0.88	ug/L	89
63) 4-Methyl-2-pentanone	7.864	43	3264	0.94	ug/L	90
65) Toluene	8.022	91	15797	1.02	ug/L	94
66) trans-1,3-Dichloropropene	8.327	75	4275	0.81	ug/L	97
67) Ethyl Methacrylate	8.504	69	3881	0.78	ug/L	87
68) 1,1,2-Trichloroethane	8.528	97	3047	0.88	ug/L #	83
71) Tetrachloroethene	8.674	164	3164	0.89	ug/L	94
72) 2-Hexanone	8.869	43	2464	0.99	ug/L	93
73) 1,3-Dichloropropane	8.711	76	5599	0.95	ug/L	98
74) Dibromochloromethane	8.955	129	2849	0.87	ug/L #	72
75) N-Butyl Acetate	9.058	43	4443	0.87	ug/L	96
76) 1,2-Dibromoethane	9.058	107	3326	0.96	ug/L	95
77) Chlorobenzene	9.607	112	10278	0.98	ug/L	93
78) 1,1,1,2-Tetrachloroethane	9.705	131	3104	0.91	ug/L	95
79) Ethylbenzene	9.747	106	5174	0.97	ug/L #	80
80) (m+p)Xylene	9.869	106	12537	1.87	ug/L	97
81) o-Xylene	10.247	106	6166	0.94	ug/L	99
82) Styrene	10.265	104	9151	0.83	ug/L	95
83) Bromoform	10.412	173	1635	0.80	ug/L	82
84) Isopropylbenzene	10.607	105	16077	0.96	ug/L	96
85) Cyclohexanone	10.656	55	10580	16.42	ug/L	95
86) trans-1,4-Dichloro-2-B...	10.930	53	827	0.89	ug/L	94
88) 1,1,2,2-Tetrachloroethane	10.875	83	3623	0.94	ug/L	94
89) Bromobenzene	10.845	156	4288	0.95	ug/L #	86
90) 1,2,3-Trichloropropane	10.906	110	1162	0.84	ug/L #	69
91) n-Propylbenzene	10.979	91	19131	1.06	ug/L	97
92) 2-Chlorotoluene	11.034	91	11695	1.03	ug/L	90
93) 4-Chlorotoluene	11.131	91	13007	1.00	ug/L	90
94) 1,3,5-Trimethylbenzene	11.143	105	12822	0.96	ug/L	92
95) tert-Butylbenzene	11.418	119	11772	1.01	ug/L	95
96) 1,2,4-Trimethylbenzene	11.460	105	12318	0.92	ug/L	95
97) sec-Butylbenzene	11.607	105	17036	0.99	ug/L	99
98) p-Isopropyltoluene	11.741	119	14018	0.97	ug/L	95
99) 1,3-Dclbenz	11.680	146	8634	1.03	ug/L	97
100) 1,4-Dclbenz	11.759	146	8610	1.01	ug/L	95
101) n-Butylbenzene	12.076	91	12626	0.99	ug/L	90
102) 1,2-Dclbenz	12.064	146	7455	0.91	ug/L	85
103) 1,2-Dibromo-3-chloropr...	12.698	157	658	0.82	ug/L #	82

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6040.D
 Acq On : 19 Apr 2019 12:21 pm
 Operator : F.NAEGLER
 Sample : 1.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 12:54:37 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Wed Mar 06 09:14:26 2019
 Response via : Initial Calibration

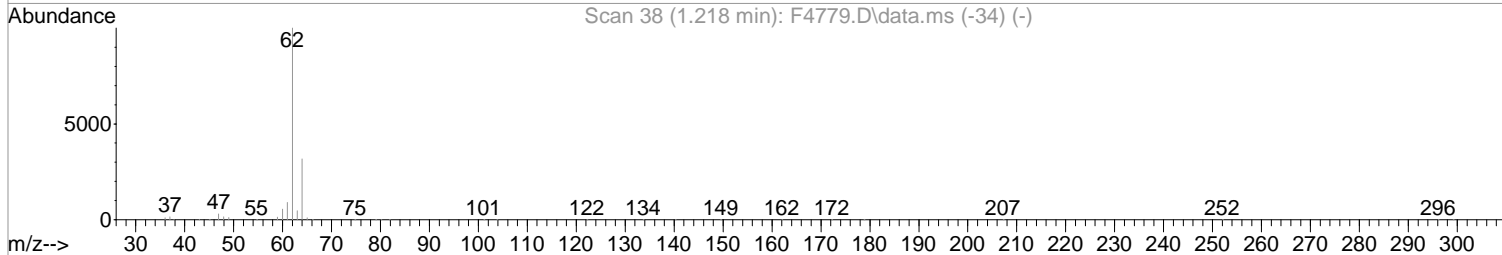
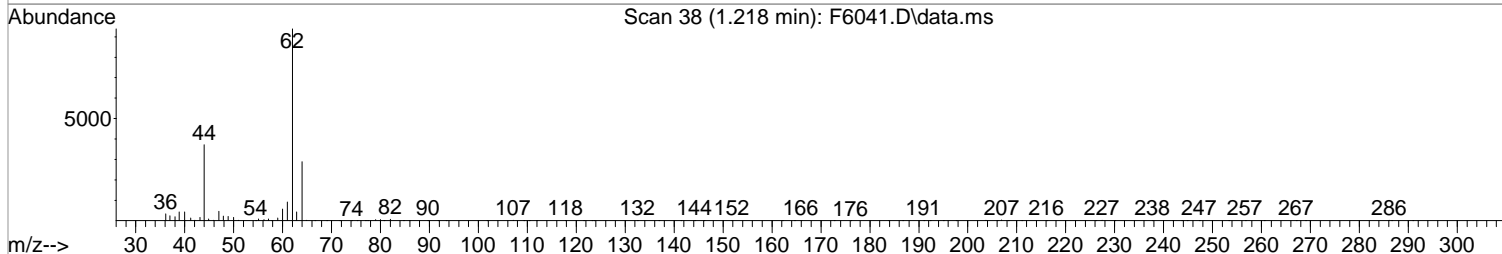
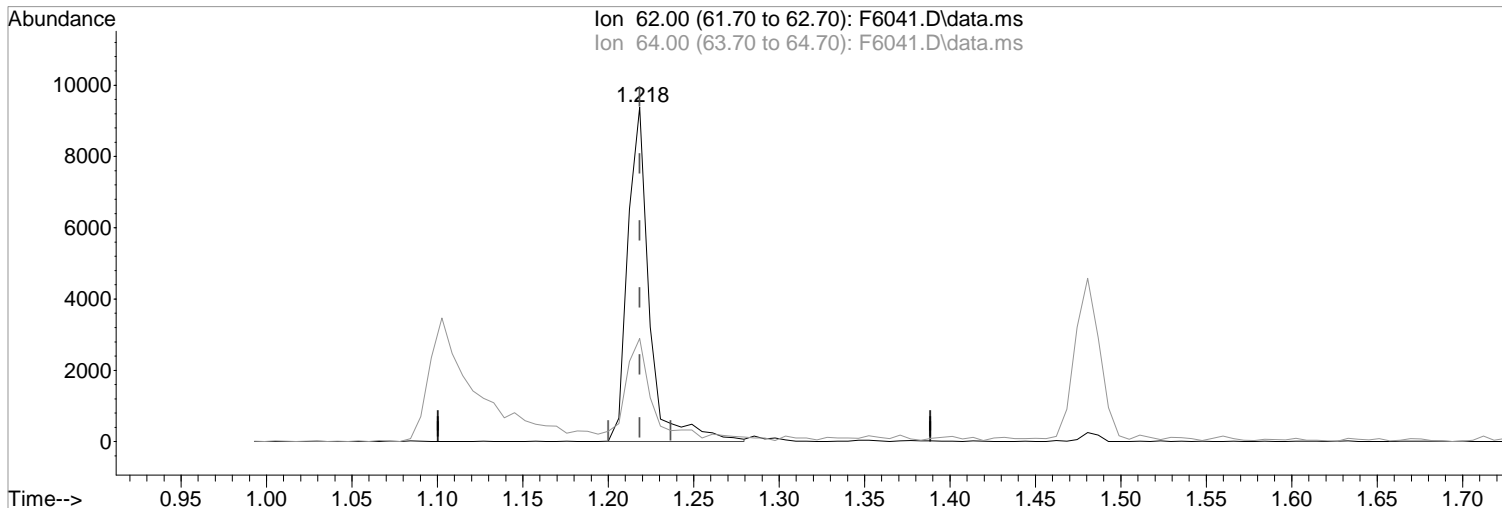
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	4173	0.67	ug/L	98
105) 1,2,4-Tcbenzene	13.362	180	2876	0.50	ug/L	93
106) Hexachlorobt	13.509	225	2874	0.88	ug/L	96
107) Naphthalen	13.551	128	4008	0.36	ug/L	96
108) 1,2,3-Tclbenzene	13.740	180	2252	0.45	ug/L	85

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6041.D
Acq On : 19 Apr 2019 12:44 pm
Operator : F.NAEGLER
Sample : 2.0 PPB STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 13:36:41 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 12:55:21 2019
Response via : Initial Calibration



TIC: F6041.D\data.ms

(4) Vinyl Chloride (P)

1.218min (-0.000) 2.00 ug/L m

response 8286

Ion	Exp%	Act%
62.00	100	100
64.00	30.70	30.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

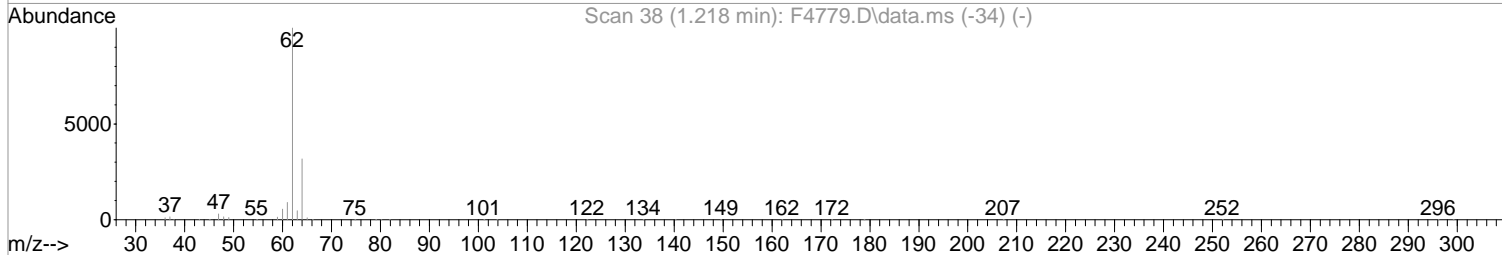
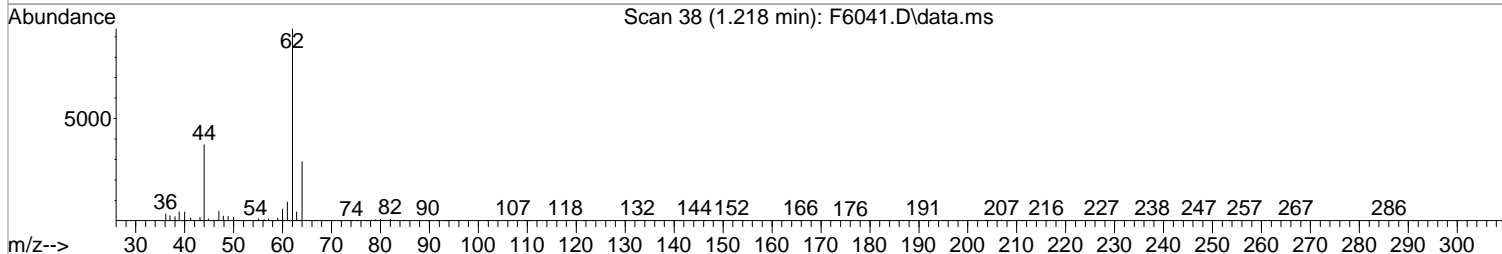
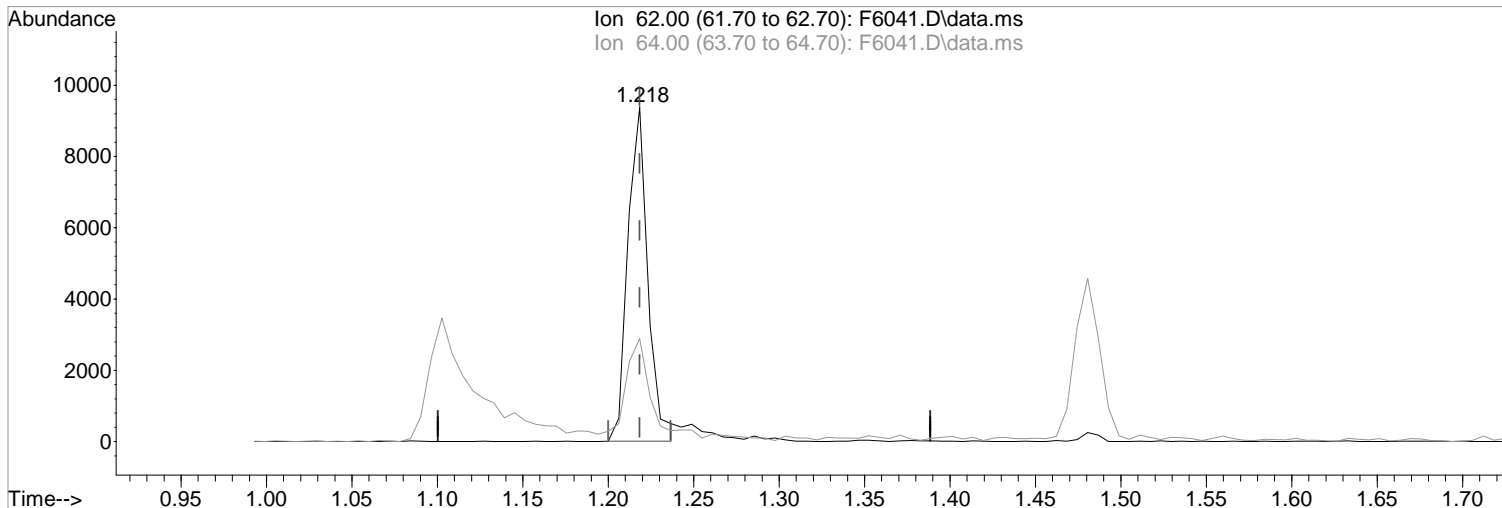
Poor integration.

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6041.D
 Acq On : 19 Apr 2019 12:44 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 13:36:41 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 12:55:21 2019
 Response via : Initial Calibration



(4) Vinyl Chloride (P)
 1.218min (-0.000) 1.84 ug/L
 response 7627

Manual Integration:
 Before

Ion	Exp%	Act%
62.00	100	100
64.00	30.70	30.84
0.00	0.00	0.00
0.00	0.00	0.00

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6041.D
 Acq On : 19 Apr 2019 12:44 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 12:55:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	347012	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	543711	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	477915	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	244379	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	37068	10.00	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	20.00%#		
47) SURR1,1,2-dichloroetha...	5.120	65	46200	11.41	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	22.82%#		
64) SURR3,Toluene-d8	7.949	98	154484	10.23	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	20.46%#		
69) SURR2,BFB	10.729	95	68211	11.67	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	23.34%#		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	8214	1.78	ug/L	94
3) Chloromethane	1.151	50	8850	1.94	ug/L	99
4) Vinyl Chloride	1.218	62	8286m	2.00	ug/L	
5) Bromomethane	1.413	94	6364	2.43	ug/L	99
6) Chloroethane	1.481	64	4538	1.97	ug/L	94
7) Freon 21	1.602	67	12881	2.27	ug/L	99
8) Trichlorofluoromethane	1.651	101	9958	2.09	ug/L	93
9) Diethyl Ether	1.846	59	6143	2.06	ug/L	94
10) Freon 123a	1.846	67	8005	2.26	ug/L	96
11) Freon 123	1.889	83	8968	2.17	ug/L	97
12) Acrolein	1.932	56	6995	10.86	ug/L	100
13) 1,1-Dicethene	2.011	96	5555	1.84	ug/L	95
14) Freon 113	2.017	101	6059	2.11	ug/L	92
15) Acetone	2.041	43	4835	3.03	ug/L	98
16) 2-Propanol	2.157	45	10370	36.15	ug/L	86
17) Iodomethane	2.121	142	4696	1.28	ug/L	89
18) Carbon Disulfide	2.176	76	17243	2.02	ug/L	100
19) Acetonitrile	2.261	40	1743	9.41	ug/L #	69
20) Allyl Chloride	2.291	76	3201	2.04	ug/L #	93
21) Methyl Acetate	2.316	43	5601	2.11	ug/L	91
22) Methylene Chloride	2.389	84	7895	2.00	ug/L	93
23) TBA	2.499	59	20268	40.46	ug/L	93
24) Acrylonitrile	2.608	53	12875	10.03	ug/L	94
25) Methyl-t-Butyl Ether	2.657	73	20152	1.97	ug/L	99
26) trans-1,2-Dichloroethene	2.645	96	6473	1.94	ug/L	94
27) 1,1-Dicethane	3.066	63	12160	2.04	ug/L	94
28) Vinyl Acetate	3.151	86	985	1.53	ug/L	98
29) DIPE	3.188	45	20652	2.00	ug/L	96
30) 2-Chloro-1,3-Butadiene	3.181	53	8486	2.06	ug/L	96
31) ETBE	3.639	59	18876	1.89	ug/L	96
32) 2,2-Dichloropropane	3.785	77	9379	1.99	ug/L	89
33) cis-1,2-Dichloroethene	3.791	96	7638	2.00	ug/L	85
34) 2-Butanone	3.840	43	4289	2.34	ug/L	97
35) Propionitrile	3.895	54	4962	9.85	ug/L	92
36) Bromochloromethane	4.126	130	4365	1.77	ug/L #	87
37) Methacrylonitrile	4.120	67	2916	1.93	ug/L #	65
38) Tetrahydrofuran	4.218	42	2328	2.09	ug/L	77
39) Chloroform	4.273	83	11553	1.96	ug/L	95
40) 1,1,1-Trichloroethane	4.547	97	9671	2.04	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6041.D
 Acq On : 19 Apr 2019 12:44 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 12:55:21 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	17907	1.87	ug/L	89
43) Cyclohexane	4.638	41	6531	2.24	ug/L	83
45) Carbontetrachloride	4.840	121	2329	1.86	ug/L	83
46) 1,1-Dichloropropene	4.852	75	8784	1.95	ug/L	90
48) Benzene	5.218	78	27106	1.88	ug/L	96
49) 1,2-Dichloroethane	5.260	62	9862	2.08	ug/L	92
50) Iso-Butyl Alcohol	5.260	43	6733	34.20	ug/L	93
51) n-Heptane	5.803	43	7472	1.70	ug/L	84
52) 1-Butanol	6.370	56	10132	74.44	ug/L	96
53) Trichloroethene	6.303	130	7451	1.75	ug/L	92
54) Methylcyclohexane	6.559	55	9041	2.09	ug/L	92
55) 1,2-Diclpropane	6.608	63	6996	1.81	ug/L	89
56) Dibromomethane	6.760	93	4545	1.93	ug/L	88
57) 1,4-Dioxane	6.864	88	2118	36.78	ug/L	82
58) Methyl Methacrylate	6.894	69	4646	1.70	ug/L	94
59) Bromodichloromethane	7.022	83	7779	1.73	ug/L	95
60) 2-Nitropropane	7.339	41	3203	2.65	ug/L	85
61) 2-Chloroethylvinyl Ether	7.492	63	1232	2.66	ug/L	99
62) cis-1,3-Dichloropropene	7.626	75	10290	1.70	ug/L	98
63) 4-Methyl-2-pentanone	7.863	43	6266	1.78	ug/L	94
65) Toluene	8.028	91	29159	1.86	ug/L	97
66) trans-1,3-Dichloropropene	8.333	75	8530	1.61	ug/L	91
67) Ethyl Methacrylate	8.504	69	7970	1.61	ug/L	83
68) 1,1,2-Trichloroethane	8.528	97	6577	1.89	ug/L #	77
71) Tetrachloroethene	8.674	164	5448	1.64	ug/L	93
72) 2-Hexanone	8.869	43	4422	1.74	ug/L	96
73) 1,3-Dichloropropane	8.711	76	11164	1.86	ug/L	92
74) Dibromochloromethane	8.961	129	5391	1.60	ug/L	81
75) N-Butyl Acetate	9.058	43	9029	1.75	ug/L	98
76) 1,2-Dibromoethane	9.058	107	6189	1.75	ug/L	99
77) Chlorobenzene	9.607	112	19035	1.81	ug/L	95
78) 1,1,1,2-Tetrachloroethane	9.705	131	5773	1.65	ug/L	93
79) Ethylbenzene	9.747	106	9646	1.79	ug/L	93
80) (m+p)Xylene	9.869	106	23837	3.54	ug/L	97
81) o-Xylene	10.247	106	11563	1.75	ug/L	91
82) Styrene	10.259	104	18287	1.65	ug/L	98
83) Bromoform	10.412	173	3033	1.48	ug/L	91
84) Isopropylbenzene	10.607	105	29798	1.76	ug/L	100
85) Cyclohexanone	10.656	55	22973	35.62	ug/L	96
86) trans-1,4-Dichloro-2-B...	10.930	53	1807	1.90	ug/L	94
88) 1,1,2,2-Tetrachloroethane	10.881	83	7762	2.00	ug/L	94
89) Bromobenzene	10.845	156	8193	1.80	ug/L	95
90) 1,2,3-Trichloropropane	10.899	110	2757	1.98	ug/L	96
91) n-Propylbenzene	10.979	91	34903	1.88	ug/L	98
92) 2-Chlorotoluene	11.034	91	22125	1.92	ug/L	97
93) 4-Chlorotoluene	11.131	91	24788	1.88	ug/L	93
94) 1,3,5-Trimethylbenzene	11.143	105	23774	1.76	ug/L	98
95) tert-Butylbenzene	11.418	119	21771	1.82	ug/L	98
96) 1,2,4-Trimethylbenzene	11.460	105	23895	1.76	ug/L	93
97) sec-Butylbenzene	11.607	105	33151	1.88	ug/L	97
98) p-Isopropyltoluene	11.741	119	27145	1.85	ug/L	98
99) 1,3-Dclbenz	11.680	146	15369	1.79	ug/L	99
100) 1,4-Dclbenz	11.759	146	15725	1.82	ug/L	98
101) n-Butylbenzene	12.076	91	24040	1.85	ug/L	95
102) 1,2-Dclbenz	12.064	146	14533	1.76	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	1185	1.44	ug/L	81

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6041.D
 Acq On : 19 Apr 2019 12:44 pm
 Operator : F.NAEGLER
 Sample : 2.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 13:37:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 12:55:21 2019
 Response via : Initial Calibration

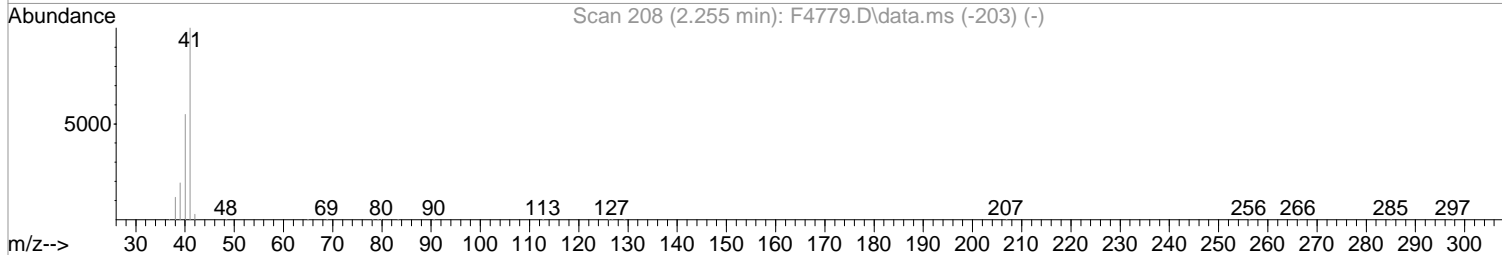
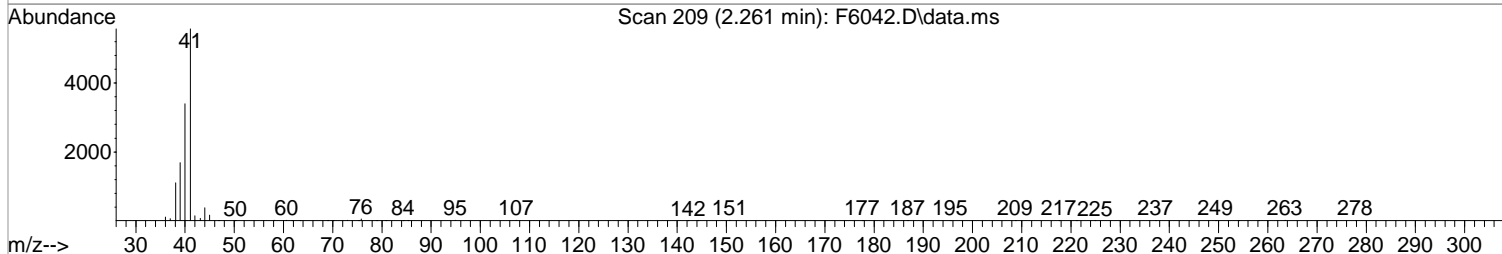
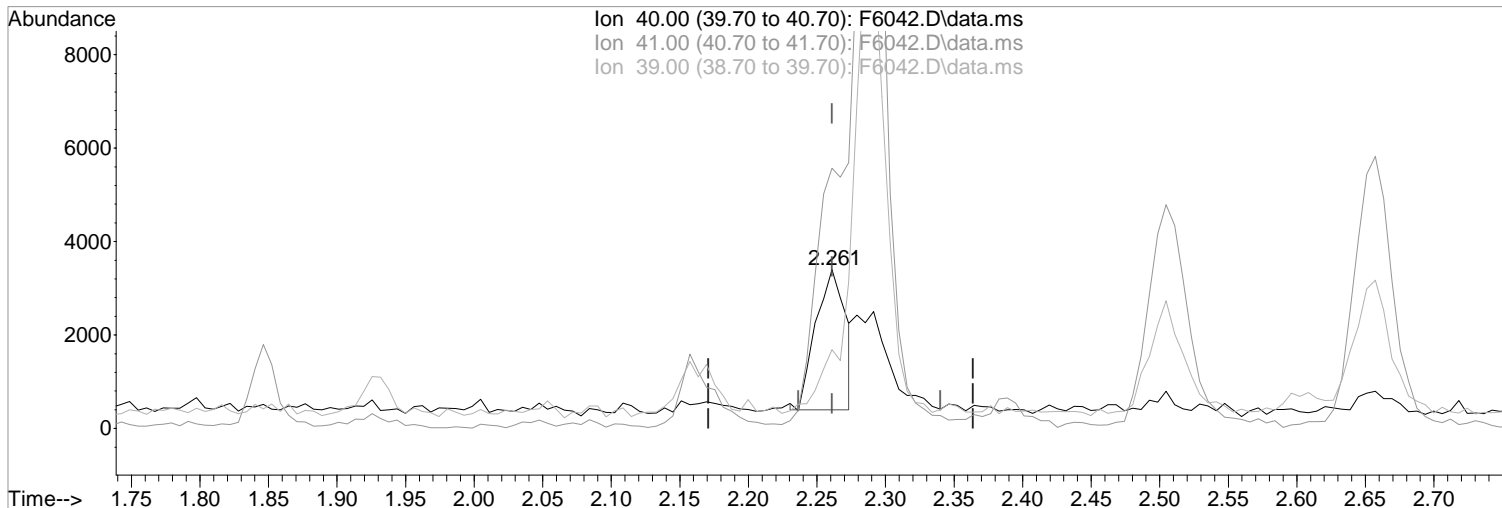
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	8439	1.39	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	6167	1.12	ug/L	91
106) Hexachlorobt	13.509	225	5127	1.56	ug/L	95
107) Naphthalen	13.551	128	10668	0.98	ug/L	98
108) 1,2,3-Tclbenzene	13.746	180	4634	0.97	ug/L	90

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 13:39:03 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration



(19) Acetonitrile

2.261min (-0.000) 24.01 ug/L m

response 4507

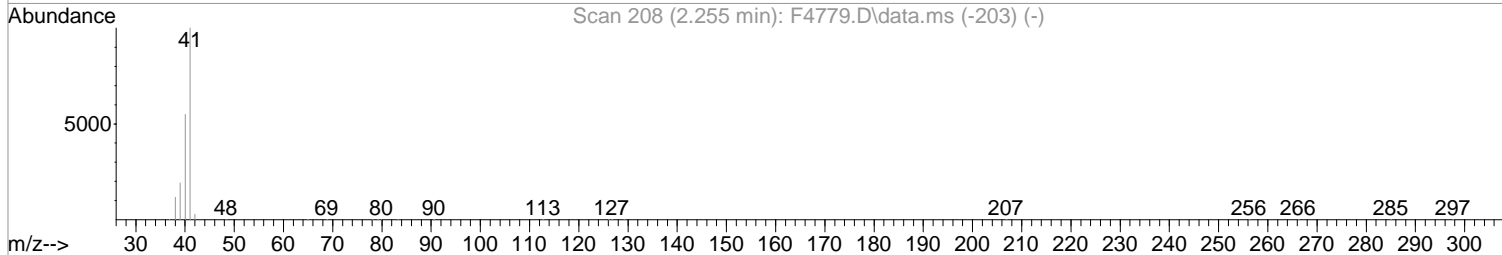
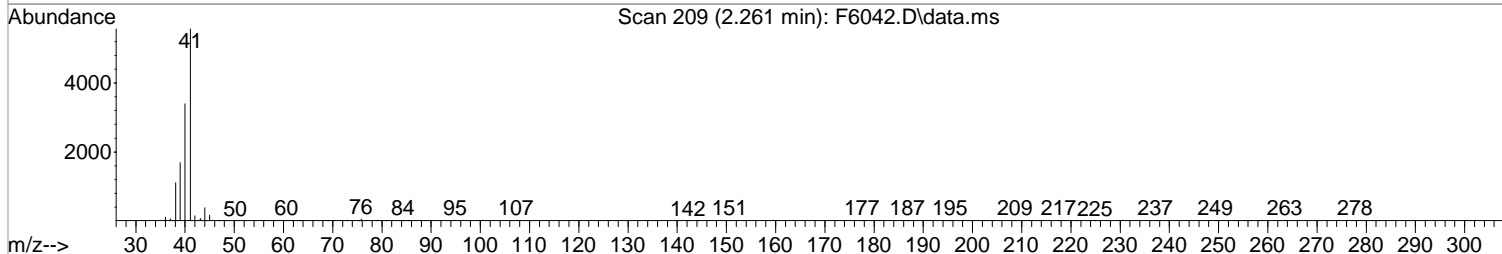
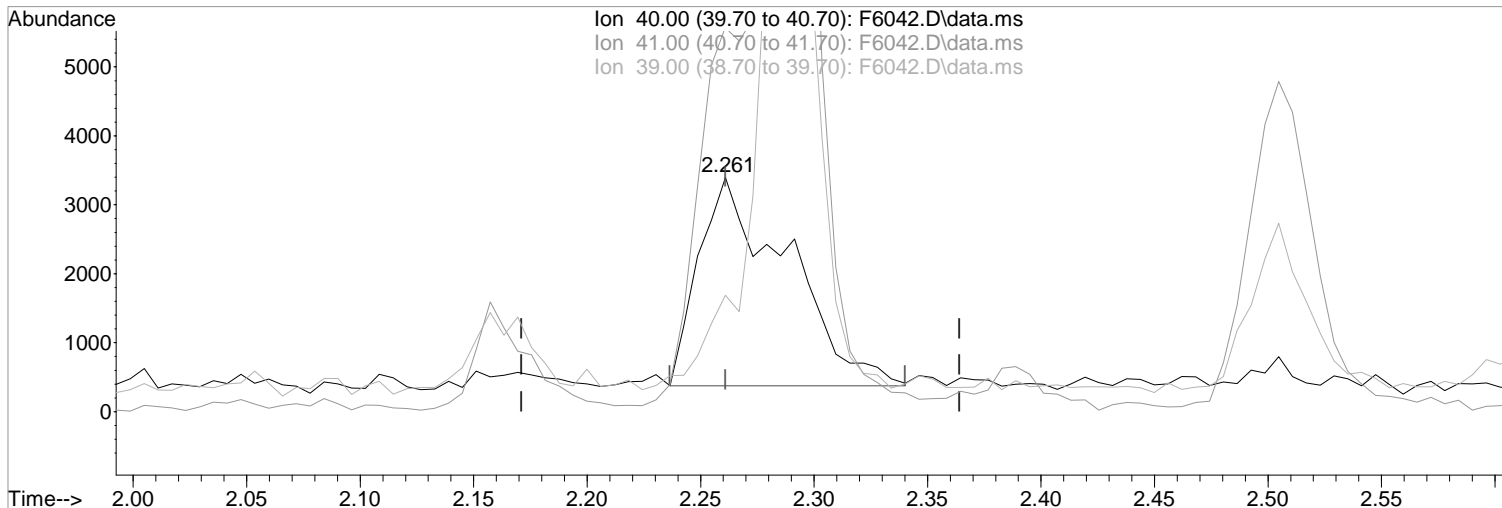
Ion	Exp%	Act%
40.00	100	100
41.00	195.40	163.97#
39.00	43.30	49.66
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6042.D
Acq On : 19 Apr 2019 1:07 pm
Operator : F.NAEGLER
Sample : 5.0 PPB STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 13:39:03 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 13:38:52 2019
Response via : Initial Calibration



(19) Acetonitrile
2.261min (-0.000) 43.92 ug/L
response 8243

Manual Integration:
Before

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	163.97#
39.00	43.30	49.66
0.00	0.00	0.00

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6042.D
 Acq On : 19 Apr 2019 1:07 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:38:52 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	349733	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	543220	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.576	117	475001	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	242810	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.541	113	33667	9.09	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery	=	18.18%#	
47) SURR1,1,2-dichloroetha...	5.120	65	42778	10.58	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery	=	21.16%#	
64) SURR3,Toluene-d8	7.949	98	146660	9.72	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery	=	19.44%#	
69) SURR2,BFB	10.729	95	62530	10.71	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery	=	21.42%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	20451	4.43	ug/L	96
3) Chloromethane	1.151	50	21453	4.75	ug/L	100
4) Vinyl Chloride	1.218	62	20335	4.90	ug/L	97
5) Bromomethane	1.413	94	12885	4.88	ug/L	92
6) Chloroethane	1.481	64	11849	5.15	ug/L	91
7) Freon 21	1.602	67	31156	5.41	ug/L	99
8) Trichlorofluoromethane	1.651	101	24330	5.09	ug/L	99
9) Diethyl Ether	1.846	59	15453	5.12	ug/L	96
10) Freon 123a	1.846	67	19239	5.35	ug/L	97
11) Freon 123	1.889	83	22692	5.45	ug/L	95
12) Acrolein	1.926	56	17436	26.34	ug/L	93
13) 1,1-Dicethene	2.005	96	14413	4.82	ug/L	98
14) Freon 113	2.011	101	14820	5.11	ug/L	98
15) Acetone	2.047	43	8089	5.11	ug/L	85
16) 2-Propanol	2.157	45	26056	91.54	ug/L	99
17) Iodomethane	2.121	142	14503	3.90	ug/L	91
18) Carbon Disulfide	2.176	76	41039	4.75	ug/L	99
19) Acetonitrile	2.261	40	4507m	24.01	ug/L	
20) Allyl Chloride	2.291	76	8208	5.23	ug/L #	84
21) Methyl Acetate	2.316	43	13552	5.03	ug/L	97
22) Methylene Chloride	2.389	84	18192	4.70	ug/L	96
23) TBA	2.505	59	46733	93.39	ug/L	95
24) Acrylonitrile	2.602	53	32669	25.12	ug/L	93
25) Methyl-t-Butyl Ether	2.657	73	49975	4.83	ug/L	100
26) trans-1,2-Dichloroethene	2.645	96	16250	4.89	ug/L	97
27) 1,1-Dicethane	3.066	63	30169	5.02	ug/L	95
28) Vinyl Acetate	3.145	86	3159	4.97	ug/L #	74
29) DIPE	3.188	45	51418	4.95	ug/L	93
30) 2-Chloro-1,3-Butadiene	3.175	53	20850	5.02	ug/L	98
31) ETBE	3.639	59	46983	4.69	ug/L	96
32) 2,2-Dichloropropane	3.779	77	22416	4.77	ug/L	97
33) cis-1,2-Dichloroethene	3.785	96	18384	4.81	ug/L	100
34) 2-Butanone	3.834	43	9251	4.91	ug/L	95
35) Propionitrile	3.895	54	12241	23.99	ug/L	85
36) Bromochloromethane	4.120	130	11704	4.74	ug/L #	81
37) Methacrylonitrile	4.126	67	7523	4.94	ug/L #	72
38) Tetrahydrofuran	4.224	42	6099	5.40	ug/L	96
39) Chloroform	4.273	83	29057	4.91	ug/L	95
40) 1,1,1-Trichloroethane	4.553	97	23229	4.87	ug/L	97

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6042.D
 Acq On : 19 Apr 2019 1:07 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 13:39:55 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:38:52 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	43200	4.48	ug/L	97
43) Cyclohexane	4.638	41	16023	5.49	ug/L	94
45) Carbontetrachloride	4.846	121	5409	4.37	ug/L #	71
46) 1,1-Dichloropropene	4.852	75	22116	4.97	ug/L	93
48) Benzene	5.218	78	67387	4.74	ug/L	94
49) 1,2-Dichloroethane	5.254	62	23375	4.91	ug/L	95
50) Iso-Butyl Alcohol	5.254	43	17232	87.83	ug/L	97
51) n-Heptane	5.803	43	18657	4.36	ug/L	99
52) 1-Butanol	6.370	56	26710	199.05	ug/L	92
53) Trichloroethene	6.303	130	19428	4.65	ug/L	96
54) Methylcyclohexane	6.571	55	21734	5.05	ug/L	97
55) 1,2-Diclpropane	6.614	63	17743	4.70	ug/L	93
56) Dibromomethane	6.760	93	11161	4.76	ug/L	94
57) 1,4-Dioxane	6.864	88	5130	88.61	ug/L	98
58) Methyl Methacrylate	6.888	69	11447	4.23	ug/L	93
59) Bromodichloromethane	7.022	83	19698	4.42	ug/L	98
60) 2-Nitropropane	7.333	41	7417	6.41	ug/L #	81
61) 2-Chloroethylvinyl Ether	7.492	63	3147	6.18	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	25762	4.30	ug/L	94
63) 4-Methyl-2-pentanone	7.863	43	15954	4.56	ug/L	92
65) Toluene	8.028	91	72850	4.71	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	22041	4.24	ug/L	94
67) Ethyl Methacrylate	8.504	69	20991	4.31	ug/L	98
68) 1,1,2-Trichloroethane	8.528	97	16032	4.64	ug/L	84
71) Tetrachloroethene	8.674	164	14257	4.58	ug/L	97
72) 2-Hexanone	8.869	43	11669	4.65	ug/L	99
73) 1,3-Dichloropropane	8.711	76	27557	4.64	ug/L	94
74) Dibromochloromethane	8.961	129	13520	4.09	ug/L	98
75) N-Butyl Acetate	9.052	43	23472	4.59	ug/L	94
76) 1,2-Dibromoethane	9.058	107	15165	4.35	ug/L	98
77) Chlorobenzene	9.607	112	46617	4.53	ug/L	96
78) 1,1,1,2-Tetrachloroethane	9.705	131	14386	4.21	ug/L	100
79) Ethylbenzene	9.747	106	25086	4.75	ug/L	93
80) (m+p)Xylene	9.869	106	59341	9.03	ug/L	97
81) o-Xylene	10.247	106	29418	4.54	ug/L	93
82) Styrene	10.265	104	48181	4.45	ug/L	91
83) Bromoform	10.412	173	7442	3.70	ug/L	98
84) Isopropylbenzene	10.607	105	77326	4.67	ug/L	98
85) Cyclohexanone	10.656	55	56992	89.47	ug/L	94
86) trans-1,4-Dichloro-2-B...	10.930	53	4458	4.70	ug/L	95
88) 1,1,2,2-Tetrachloroethane	10.881	83	18918	4.89	ug/L	94
89) Bromobenzene	10.845	156	20412	4.59	ug/L	98
90) 1,2,3-Trichloropropane	10.899	110	6427	4.66	ug/L	90
91) n-Propylbenzene	10.979	91	89814	4.89	ug/L	99
92) 2-Chlorotoluene	11.034	91	54968	4.84	ug/L	97
93) 4-Chlorotoluene	11.131	91	63986	4.95	ug/L	95
94) 1,3,5-Trimethylbenzene	11.143	105	62978	4.77	ug/L	98
95) tert-Butylbenzene	11.418	119	56833	4.84	ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	62905	4.73	ug/L	99
97) sec-Butylbenzene	11.607	105	85123	4.91	ug/L	99
98) p-Isopropyltoluene	11.741	119	68312	4.75	ug/L	97
99) 1,3-Dclbenz	11.680	146	38311	4.57	ug/L	96
100) 1,4-Dclbenz	11.759	146	39422	4.66	ug/L	96
101) n-Butylbenzene	12.076	91	61323	4.81	ug/L	98
102) 1,2-Dclbenz	12.064	146	36639	4.54	ug/L	99
103) 1,2-Dibromo-3-chloropr...	12.698	157	2972	3.69	ug/L	98

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6042.D
 Acq On : 19 Apr 2019 1:07 pm
 Operator : F.NAEGLER
 Sample : 5.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 13:39:55 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:38:52 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	24669	4.29	ug/L	97
105) 1,2,4-Tcbenzene	13.362	180	19323	3.75	ug/L	98
106) Hexachlorobt	13.509	225	13540	4.42	ug/L	97
107) Naphthalen	13.551	128	36856	3.57	ug/L	97
108) 1,2,3-Tclbenzene	13.740	180	15211	3.41	ug/L	100

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6043.D
 Acq On : 19 Apr 2019 1:33 pm
 Operator : F.NAEGLER
 Sample : 20.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:41:36 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	345831	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	548564	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	480433	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.735	152	252857	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	60355	17.49	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	34.98%#		
47) SURR1,1,2-dichloroetha...	5.120	65	73973	19.05	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	38.10%#		
64) SURR3,Toluene-d8	7.943	98	244298	17.27	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	34.54%#		
69) SURR2,BFB	10.729	95	101918	18.27	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	36.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	89616	19.79	ug/L	97
3) Chloromethane	1.152	50	85363	19.21	ug/L	99
4) Vinyl Chloride	1.219	62	82474	20.08	ug/L	99
5) Bromomethane	1.414	94	48539	18.76	ug/L	100
6) Chloroethane	1.481	64	48891	21.66	ug/L	98
7) Freon 21	1.603	67	119648	20.87	ug/L	98
8) Trichlorofluoromethane	1.651	101	96440	20.55	ug/L	97
9) Diethyl Ether	1.847	59	60891	20.49	ug/L	95
10) Freon 123a	1.847	67	74610	20.91	ug/L	97
11) Freon 123	1.889	83	85744	20.74	ug/L	96
12) Acrolein	1.926	56	70337	106.07	ug/L	96
13) 1,1-Dicethene	2.005	96	59093	20.27	ug/L	97
14) Freon 113	2.011	101	58658	20.52	ug/L	91
15) Acetone	2.042	43	27934	17.93	ug/L	91
16) 2-Propanol	2.157	45	102878	366.94	ug/L	96
17) Iodomethane	2.115	142	88763	23.81	ug/L	97
18) Carbon Disulfide	2.170	76	192456	22.62	ug/L	99
19) Acetonitrile	2.255	40	16105	88.83	ug/L #	86
20) Allyl Chloride	2.292	76	32424	20.81	ug/L #	88
21) Methyl Acetate	2.310	43	51456	19.20	ug/L	97
22) Methylene Chloride	2.389	84	70642	18.68	ug/L	92
23) TBA	2.499	59	167546	341.06	ug/L	98
24) Acrylonitrile	2.602	53	125210	97.69	ug/L	99
25) Methyl-t-Butyl Ether	2.651	73	198575	19.50	ug/L	97
26) trans-1,2-Dichloroethene	2.645	96	66198	20.28	ug/L	98
27) 1,1-Dicethane	3.066	63	122546	20.72	ug/L	99
28) Vinyl Acetate	3.145	86	13166	20.95	ug/L #	95
29) DIPE	3.182	45	228099	22.32	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.176	53	96786	23.63	ug/L	97
31) ETBE	3.633	59	208603	21.21	ug/L	97
32) 2,2-Dichloropropane	3.779	77	90735	19.76	ug/L	98
33) cis-1,2-Dichloroethene	3.785	96	74206	19.84	ug/L	99
34) 2-Butanone	3.828	43	35693	19.24	ug/L	98
35) Propionitrile	3.889	54	50631	100.74	ug/L	97
36) Bromochloromethane	4.120	130	46546	19.38	ug/L #	84
37) Methacrylonitrile	4.114	67	29009	19.25	ug/L	88
38) Tetrahydrofuran	4.212	42	21395	18.95	ug/L	97
39) Chloroform	4.273	83	117302	20.17	ug/L	97
40) 1,1,1-Trichloroethane	4.547	97	94824	20.22	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6043.D
 Acq On : 19 Apr 2019 1:33 pm
 Operator : F.NAEGLER
 Sample : 20.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 19 13:49:21 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:41:36 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	195140	20.69	ug/L	97
43) Cyclohexane	4.639	41	61816	20.82	ug/L	87
45) Carbontetrachloride	4.834	121	22348	18.23	ug/L	84
46) 1,1-Dichloropropene	4.852	75	86360	19.31	ug/L	93
48) Benzene	5.218	78	270397	19.02	ug/L	94
49) 1,2-Dichloroethane	5.254	62	95128	19.85	ug/L	94
50) Iso-Butyl Alcohol	5.254	43	66987	341.74	ug/L	100
51) n-Heptane	5.803	43	97553	23.22	ug/L	95
52) 1-Butanol	6.370	56	116569	870.56	ug/L	96
53) Trichloroethene	6.297	130	77106	18.63	ug/L	99
54) Methylcyclohexane	6.565	55	89527	20.78	ug/L	98
55) 1,2-Diclpropane	6.608	63	72483	19.18	ug/L	95
56) Dibromomethane	6.760	93	43334	18.51	ug/L	99
57) 1,4-Dioxane	6.852	88	19389	335.78	ug/L	98
58) Methyl Methacrylate	6.888	69	47557	17.65	ug/L	97
59) Bromodichloromethane	7.022	83	83910	18.76	ug/L	99
60) 2-Nitropropane	7.339	41	32507	33.73	ug/L	94
61) 2-Chloroethylvinyl Ether	7.486	63	14835	26.64	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	109833	18.44	ug/L	96
63) 4-Methyl-2-pentanone	7.864	43	66575	18.86	ug/L	97
65) Toluene	8.028	91	294773	19.08	ug/L	98
66) trans-1,3-Dichloropropene	8.327	75	94033	18.14	ug/L	99
67) Ethyl Methacrylate	8.504	69	86700	17.84	ug/L	90
68) 1,1,2-Trichloroethane	8.528	97	62470	18.14	ug/L	90
71) Tetrachloroethene	8.668	164	57096	18.78	ug/L	95
72) 2-Hexanone	8.870	43	48884	19.30	ug/L	94
73) 1,3-Dichloropropane	8.711	76	110084	18.56	ug/L	95
74) Dibromochloromethane	8.961	129	57807	17.50	ug/L	96
75) N-Butyl Acetate	9.052	43	99193	19.20	ug/L	91
76) 1,2-Dibromoethane	9.059	107	62399	17.92	ug/L	98
77) Chlorobenzene	9.607	112	190847	18.61	ug/L	99
78) 1,1,1,2-Tetrachloroethane	9.705	131	61850	18.15	ug/L	97
79) Ethylbenzene	9.747	106	100506	18.98	ug/L	98
80) (m+p)Xylene	9.869	106	250958	38.43	ug/L	96
81) o-Xylene	10.247	106	123387	19.12	ug/L	98
82) Styrene	10.259	104	206166	19.09	ug/L	99
83) Bromoform	10.412	173	31576	15.75	ug/L	97
84) Isopropylbenzene	10.607	105	328444	19.93	ug/L	100
85) Cyclohexanone	10.656	55	227717	355.32	ug/L	91
86) trans-1,4-Dichloro-2-B...	10.930	53	17722	18.42	ug/L	95
88) 1,1,2,2-Tetrachloroethane	10.881	83	72220	17.90	ug/L	98
89) Bromobenzene	10.845	156	82754	18.16	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	26276	18.52	ug/L	98
91) n-Propylbenzene	10.979	91	392411	20.60	ug/L	99
92) 2-Chlorotoluene	11.034	91	229065	19.51	ug/L	98
93) 4-Chlorotoluene	11.131	91	263067	19.63	ug/L	95
94) 1,3,5-Trimethylbenzene	11.143	105	271540	19.97	ug/L	98
95) tert-Butylbenzene	11.418	119	238945	19.72	ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	276354	20.15	ug/L	100
97) sec-Butylbenzene	11.607	105	375165	20.91	ug/L	98
98) p-Isopropyltoluene	11.735	119	308065	20.74	ug/L	99
99) 1,3-Dclbenz	11.680	146	160652	18.67	ug/L	97
100) 1,4-Dclbenz	11.759	146	162486	18.68	ug/L	96
101) n-Butylbenzene	12.076	91	287561	21.75	ug/L	95
102) 1,2-Dclbenz	12.064	146	152617	18.48	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	13147	15.92	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6043.D
 Acq On : 19 Apr 2019 1:33 pm
 Operator : F.NAEGLER
 Sample : 20.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

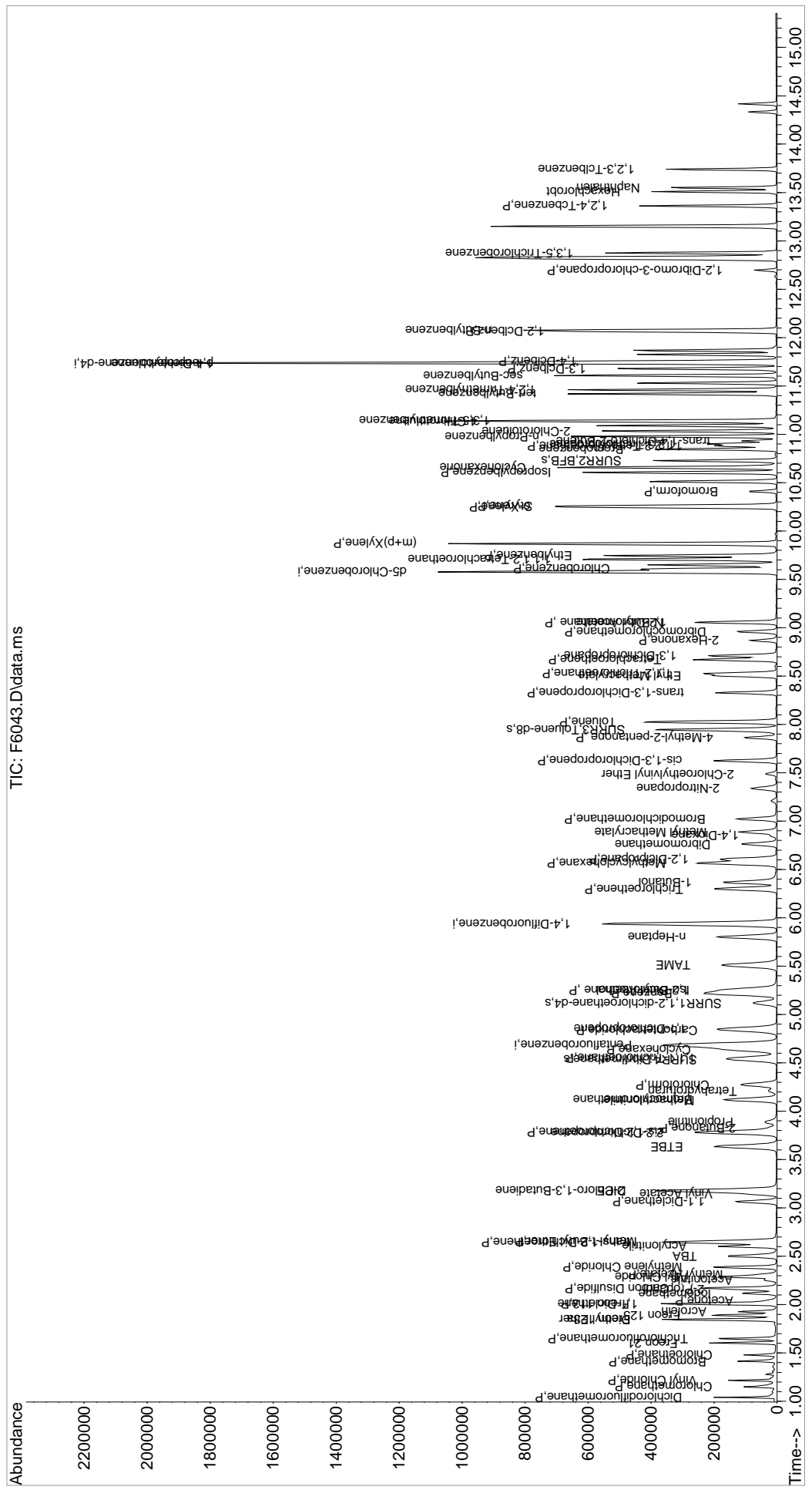
Quant Time: Apr 19 13:49:21 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:41:36 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	123681	21.29	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	98140	19.17	ug/L	98
106) Hexachlorobt	13.509	225	54045	17.43	ug/L	96
107) Naphthalen	13.552	128	195752	18.96	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	79044	18.01	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\MSVOA14\Data\041919\
 Data File : F6043.D
 Acq On : 19 Apr 2019 1:33 pm
 Operator : F.NAEGLER
 Sample : 20.0 PPB STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 Inst : MSVOA14
 Quant Time: Apr 19 13:49:21 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:41:36 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6044.D
 Acq On : 19 Apr 2019 1:56 pm
 Operator : F.NAEGLER
 Sample : 50.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:54:32 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	4.687	168	353746	50.00	ug/L	0.00	
42) 1,4-Difluorobenzene	5.943	114	555325	50.00	ug/L	0.00	
70) d5-Chlorobenzene	9.577	117	483140	50.00	ug/L	0.00	
87) 1,4-Dichlorobenzene-d4	11.735	152	254963	50.00	ug/L	0.00	
System Monitoring Compounds							
44) SURR4,Dibrflmethane	4.535	113	169822	52.28	ug/L	0.00	
Spiked Amount	50.000	Range 63 - 138	Recovery =	104.56%			
47) SURR1,1,2-dichloroetha...	5.120	65	202075	49.79	ug/L	0.00	
Spiked Amount	50.000	Range 67 - 128	Recovery =	99.58%			
64) SURR3,Toluene-d8	7.949	98	688222	50.31	ug/L	0.00	
Spiked Amount	50.000	Range 66 - 138	Recovery =	100.62%			
69) SURR2,BFB	10.729	95	265805	46.02	ug/L	0.00	
Spiked Amount	50.000	Range 31 - 154	Recovery =	92.04%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.042	85	219154	48.46	ug/L		99
3) Chloromethane	1.152	50	214320	46.26	ug/L		99
4) Vinyl Chloride	1.219	62	205220	47.47	ug/L		98
5) Bromomethane	1.414	94	115132	37.32	ug/L		97
6) Chloroethane	1.481	64	119588	47.06	ug/L		99
7) Freon 21	1.609	67	312086	48.21	ug/L		98
8) Trichlorofluoromethane	1.651	101	233507	46.08	ug/L		95
9) Diethyl Ether	1.847	59	154272	49.64	ug/L		97
10) Freon 123a	1.847	67	195250	48.01	ug/L		97
11) Freon 123	1.895	83	219596	47.68	ug/L		99
12) Acrolein	1.932	56	179207	250.99	ug/L		99
13) 1,1-Dicethene	2.011	96	147212	47.97	ug/L		93
14) Freon 113	2.017	101	147762	46.81	ug/L		91
15) Acetone	2.048	43	68902	44.96	ug/L		90
16) 2-Propanol	2.164	45	285229	1051.63	ug/L		97
17) Iodomethane	2.121	142	226227	68.78	ug/L		95
18) Carbon Disulfide	2.176	76	444692	48.36	ug/L		98
19) Acetonitrile	2.255	40	59706	341.33	ug/L		91
20) Allyl Chloride	2.292	76	80283	47.54	ug/L	#	88
21) Methyl Acetate	2.316	43	133840	48.33	ug/L		95
22) Methylene Chloride	2.389	84	179920	43.39	ug/L		93
23) TBA	2.505	59	494918	1018.68	ug/L		99
24) Acrylonitrile	2.609	53	343274	267.80	ug/L		99
25) Methyl-t-Butyl Ether	2.657	73	521613	51.24	ug/L		100
26) trans-1,2-Dichloroethene	2.645	96	165011	48.46	ug/L		96
27) 1,1-Dicethane	3.066	63	308710	49.14	ug/L		96
28) Vinyl Acetate	3.151	86	33885	57.93	ug/L		97
29) DIPE	3.188	45	546703	50.43	ug/L		95
30) 2-Chloro-1,3-Butadiene	3.176	53	219618	48.05	ug/L		100
31) ETBE	3.639	59	507081	51.12	ug/L		98
32) 2,2-Dichloropropane	3.779	77	231418	48.08	ug/L		97
33) cis-1,2-Dichloroethene	3.785	96	189424	49.25	ug/L		100
34) 2-Butanone	3.828	43	92057	46.94	ug/L		96
35) Propionitrile	3.889	54	136770	273.86	ug/L		92
36) Bromochloromethane	4.120	130	118840	51.12	ug/L	#	89
37) Methacrylonitrile	4.120	67	81196	55.47	ug/L		93
38) Tetrahydrofuran	4.212	42	58713	48.63	ug/L		99
39) Chloroform	4.279	83	297947	48.82	ug/L		97
40) 1,1,1-Trichloroethane	4.553	97	239006	48.45	ug/L		97

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6044.D
 Acq On : 19 Apr 2019 1:56 pm
 Operator : F.NAEGLER
 Sample : 50.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 14:26:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:54:32 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.517	73	476868	51.75	ug/L	96
43) Cyclohexane	4.645	41	161551	47.53	ug/L	90
45) Carbontetrachloride	4.846	121	57566	48.56	ug/L #	80
46) 1,1-Dichloropropene	4.852	75	218050	47.40	ug/L	98
48) Benzene	5.224	78	683453	48.70	ug/L	96
49) 1,2-Dichloroethane	5.260	62	245068	50.18	ug/L	97
50) Iso-Butyl Alcohol	5.260	43	202792	1193.71	ug/L	96
51) n-Heptane	5.803	43	249203	55.67	ug/L	97
52) 1-Butanol	6.370	56	333735	3108.51	ug/L	95
53) Trichloroethene	6.303	130	191215	47.99	ug/L	96
54) Methylcyclohexane	6.565	55	238726	51.19	ug/L	97
55) 1,2-Diclpropane	6.608	63	189344	52.33	ug/L	97
56) Dibromomethane	6.766	93	113803	50.76	ug/L	95
57) 1,4-Dioxane	6.852	88	55793	1080.66	ug/L	95
58) Methyl Methacrylate	6.888	69	135316	57.22	ug/L	98
59) Bromodichloromethane	7.022	83	223227	53.28	ug/L	98
60) 2-Nitropropane	7.333	41	78403	98.05	ug/L	90
61) 2-Chloroethylvinyl Ether	7.486	63	42832	68.46	ug/L	99
62) cis-1,3-Dichloropropene	7.626	75	294108	54.63	ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	181393	54.93	ug/L	99
65) Toluene	8.028	91	742118	48.62	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	255187	56.56	ug/L	99
67) Ethyl Methacrylate	8.504	69	243145	58.01	ug/L	94
68) 1,1,2-Trichloroethane	8.528	97	164008	50.65	ug/L	93
71) Tetrachloroethene	8.674	164	144189	48.94	ug/L	99
72) 2-Hexanone	8.870	43	133529	55.60	ug/L	93
73) 1,3-Dichloropropane	8.711	76	288469	51.16	ug/L	96
74) Dibromochloromethane	8.961	129	157680	55.73	ug/L	100
75) N-Butyl Acetate	9.052	43	271608	57.47	ug/L	92
76) 1,2-Dibromoethane	9.059	107	166465	52.11	ug/L	97
77) Chlorobenzene	9.607	112	488851	49.77	ug/L	97
78) 1,1,1,2-Tetrachloroethane	9.705	131	162487	53.48	ug/L	98
79) Ethylbenzene	9.747	106	261052	51.28	ug/L	97
80) (m+p)Xylene	9.869	106	652612	105.14	ug/L	97
81) o-Xylene	10.247	106	319250	52.36	ug/L	98
82) Styrene	10.259	104	546302	56.26	ug/L	99
83) Bromoform	10.412	173	91563	57.96	ug/L	98
84) Isopropylbenzene	10.607	105	835539	52.33	ug/L	100
85) Cyclohexanone	10.656	55	653028	1146.73	ug/L	91
86) trans-1,4-Dichloro-2-B...	10.930	53	50695	56.90	ug/L	94
88) 1,1,2,2-Tetrachloroethane	10.881	83	203790	52.49	ug/L	98
89) Bromobenzene	10.845	156	211967	48.98	ug/L	98
90) 1,2,3-Trichloropropane	10.900	110	70648	52.79	ug/L	96
91) n-Propylbenzene	10.979	91	993048	51.40	ug/L	99
92) 2-Chlorotoluene	11.034	91	589726	50.06	ug/L	97
93) 4-Chlorotoluene	11.131	91	680706	50.88	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	700440	52.86	ug/L	99
95) tert-Butylbenzene	11.418	119	612171	51.11	ug/L	97
96) 1,2,4-Trimethylbenzene	11.460	105	712775	54.04	ug/L	97
97) sec-Butylbenzene	11.607	105	941204	52.09	ug/L	98
98) p-Isopropyltoluene	11.735	119	779867	52.87	ug/L	98
99) 1,3-Dclbenz	11.680	146	409208	49.04	ug/L	98
100) 1,4-Dclbenz	11.759	146	415427	49.07	ug/L	96
101) n-Butylbenzene	12.076	91	741581	55.55	ug/L	96
102) 1,2-Dclbenz	12.064	146	400531	51.80	ug/L	97
103) 1,2-Dibromo-3-chloropr...	12.698	157	40201	61.67	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6044.D
 Acq On : 19 Apr 2019 1:56 pm
 Operator : F.NAEGLER
 Sample : 50.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

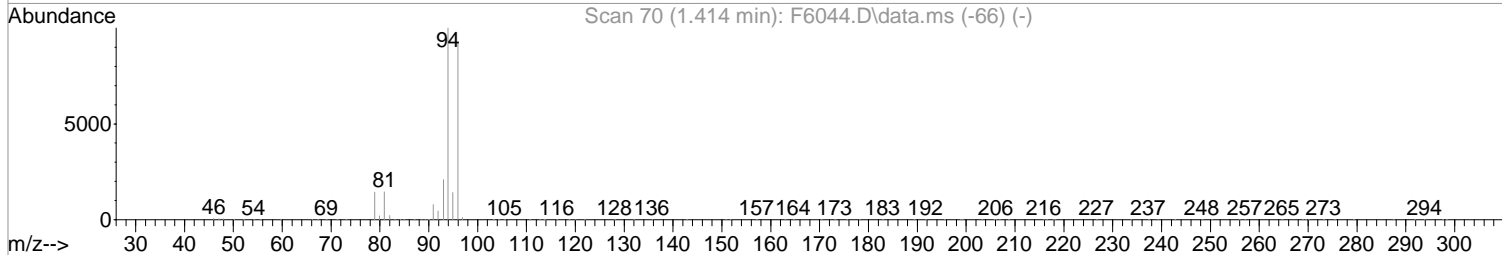
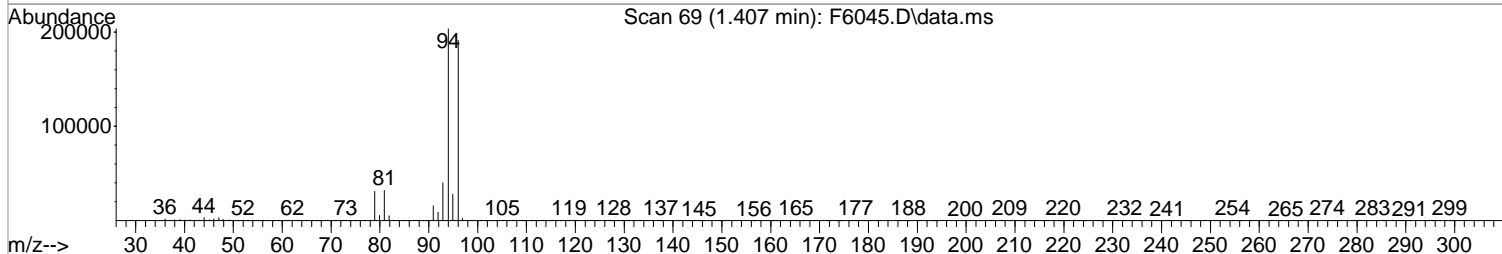
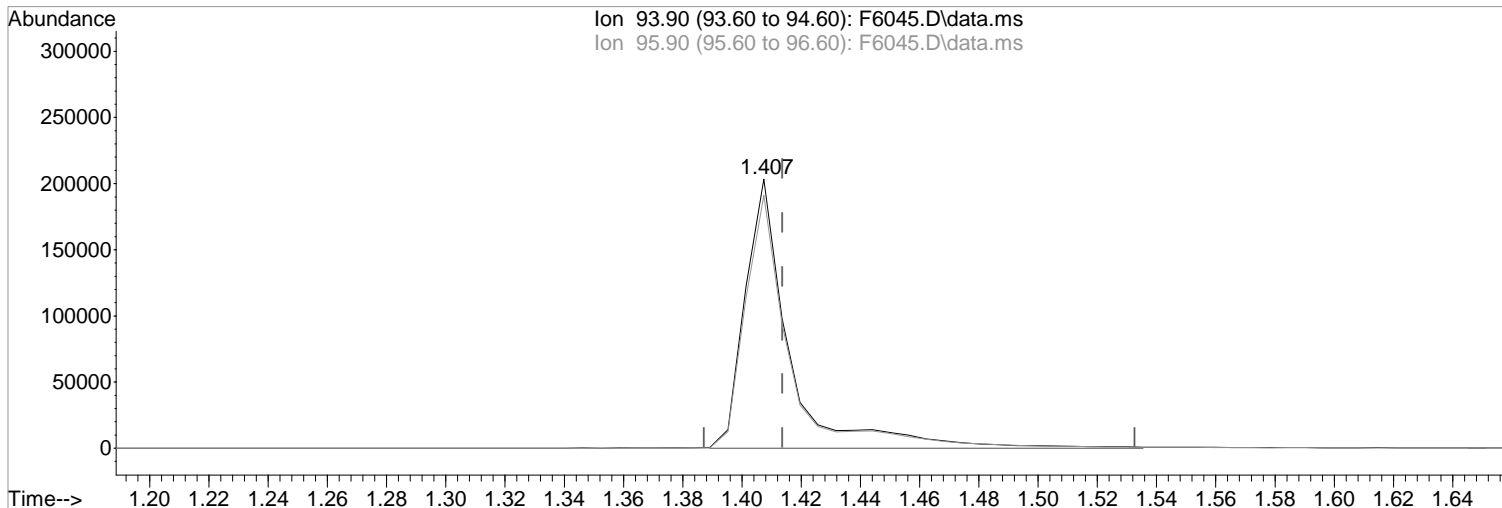
Quant Time: Apr 19 14:26:06 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 13:54:32 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	295042	58.21	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	265465	69.43	ug/L	97
106) Hexachlorobt	13.509	225	137530	48.63	ug/L	97
107) Naphthalen	13.552	128	589323	85.87	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	227583	75.85	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6045.D
 Acq On : 19 Apr 2019 2:19 pm
 Operator : F.NAEGLER
 Sample : 100.0 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 Inst : MSVOA14

Quant Time: Apr 19 14:37:02 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:27:08 2019
 Response via : Initial Calibration



TIC: F6045.D\data.ms

(5) Bromomethane (P)

1.407min (-0.006) 71.26 ug/L m
 response 214268

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	94.02
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

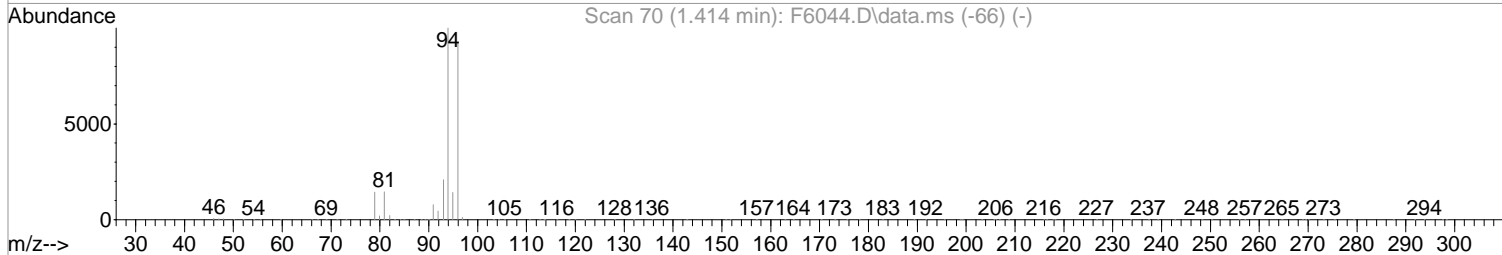
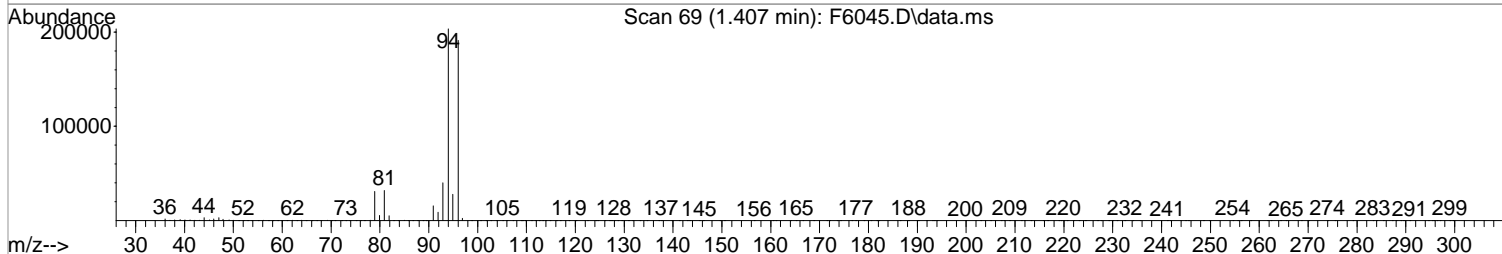
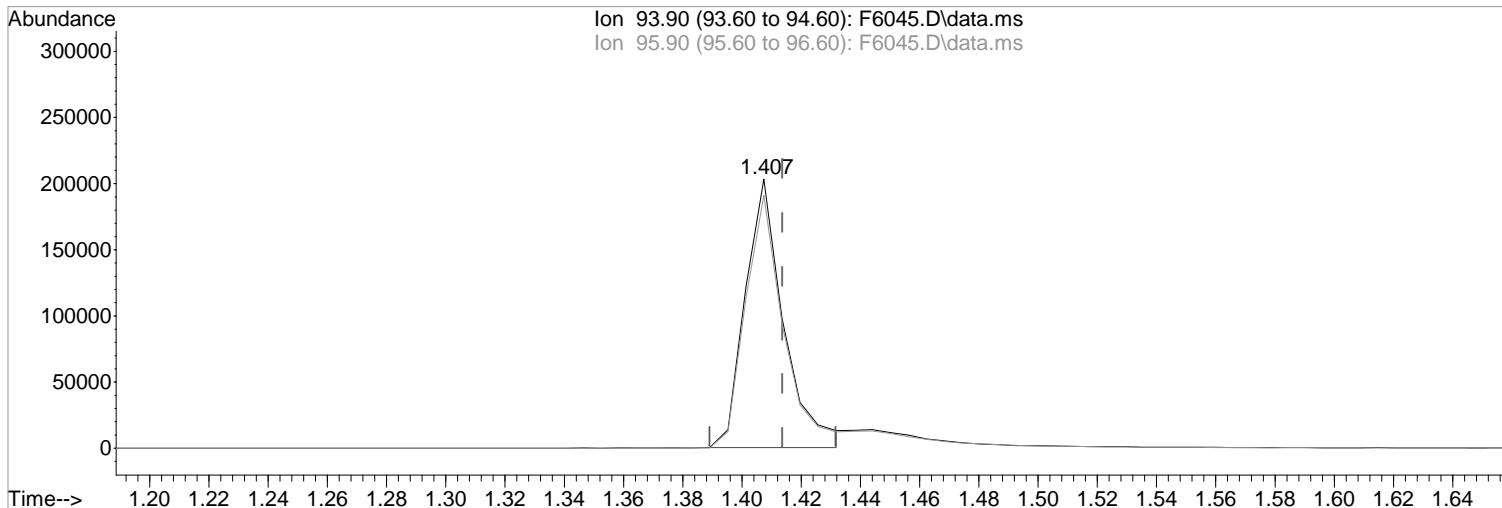
After

Poor integration.

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6045.D
Acq On : 19 Apr 2019 2:19 pm
Operator : F.NAEGLER
Sample : 100.0 PPB STD
Misc :
ALS Vial : 8 Sample Multiplier: 1
Inst : MSVOA14

Quant Time: Apr 19 14:37:02 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:27:08 2019
Response via : Initial Calibration



TIC: F6045.D\data.ms

(5) Bromomethane (P)	Manual Integration:		
1.407min (-0.006) 60.64 ug/L	Before		
response 182339			
Ion	Exp%	Act%	04/19/19
93.90	100	100	
95.90	95.40	94.02	
0.00	0.00	0.00	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6045.D
 Acq On : 19 Apr 2019 2:19 pm
 Operator : F.NAEGLER
 Sample : 100.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:27:08 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	363198	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	565328	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	495956	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	265735	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	339750	101.20	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	202.40%#		
47) SURR1,1,2-dichloroetha...	5.120	65	398115	96.49	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	192.98%#		
64) SURR3,Toluene-d8	7.949	98	1357697	97.29	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	194.58%#		
69) SURR2,BFB	10.729	95	517475	90.41	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	180.82%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	448413	97.18	ug/L	99
3) Chloromethane	1.151	50	452318	96.53	ug/L	100
4) Vinyl Chloride	1.218	62	421119	95.84	ug/L	98
5) Bromomethane	1.407	94	214268m	71.26	ug/L	
6) Chloroethane	1.474	64	245235	95.12	ug/L	99
7) Freon 21	1.602	67	630865	95.60	ug/L	98
8) Trichlorofluoromethane	1.645	101	480351	93.80	ug/L	98
9) Diethyl Ether	1.846	59	316983	99.48	ug/L	97
10) Freon 123a	1.846	67	397125	95.87	ug/L	98
11) Freon 123	1.889	83	443193	94.60	ug/L	100
12) Acrolein	1.926	56	362908	494.66	ug/L	98
13) 1,1-Diclcethene	2.005	96	300792	96.25	ug/L	97
14) Freon 113	2.011	101	288314	90.11	ug/L	94
15) Acetone	2.041	43	130660	85.93	ug/L	92
16) 2-Propanol	2.163	45	549480	1953.02	ug/L	95
17) Iodomethane	2.115	142	463999	125.61	ug/L	97
18) Carbon Disulfide	2.169	76	938210	100.02	ug/L	98
19) Acetonitrile	2.255	40	102679	523.88	ug/L	96
20) Allyl Chloride	2.291	76	164326	95.72	ug/L	# 87
21) Methyl Acetate	2.310	43	259940	92.04	ug/L	97
22) Methylene Chloride	2.389	84	365629	88.21	ug/L	91
23) TBA	2.511	59	957023	1911.42	ug/L	96
24) Acrylonitrile	2.602	53	675451	506.02	ug/L	96
25) Methyl-t-Butyl Ether	2.657	73	1066831	101.56	ug/L	99
26) trans-1,2-Dichloroethene	2.645	96	337535	97.14	ug/L	98
27) 1,1-Diclcethane	3.066	63	633292	98.53	ug/L	96
28) Vinyl Acetate	3.145	86	72272	116.65	ug/L	99
29) DIPE	3.181	45	1106677	99.26	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.175	53	461678	99.16	ug/L	97
31) ETBE	3.639	59	1040242	101.69	ug/L	98
32) 2,2-Dichloropropane	3.779	77	480654	98.01	ug/L	99
33) cis-1,2-Dichloroethene	3.785	96	388160	98.60	ug/L	98
34) 2-Butanone	3.828	43	180937	91.26	ug/L	96
35) Propionitrile	3.889	54	267558	512.03	ug/L	96
36) Bromochloromethane	4.120	130	245166	102.26	ug/L	90
37) Methacrylonitrile	4.120	67	155396	101.18	ug/L	99
38) Tetrahydrofuran	4.206	42	115012	93.30	ug/L	98
39) Chloroform	4.273	83	616766	98.90	ug/L	97
40) 1,1,1-Trichloroethane	4.547	97	492516	97.85	ug/L	95

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6045.D
 Acq On : 19 Apr 2019 2:19 pm
 Operator : F.NAEGLER
 Sample : 100.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:27:08 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	980890	102.96	ug/L	96
43) Cyclohexane	4.638	41	328909	96.01	ug/L	89
45) Carbontetrachloride	4.840	121	119927	99.95	ug/L #	77
46) 1,1-Dichloropropene	4.852	75	444112	95.84	ug/L	96
48) Benzene	5.218	78	1399861	98.50	ug/L	96
49) 1,2-Dichloroethane	5.260	62	494958	99.48	ug/L	96
50) Iso-Butyl Alcohol	5.260	43	399048	2221.33	ug/L	94
51) n-Heptane	5.803	43	460833	98.88	ug/L	97
52) 1-Butanol	6.376	56	674582	5885.57	ug/L	95
53) Trichloroethene	6.303	130	392977	97.67	ug/L	97
54) Methylcyclohexane	6.571	55	491751	103.08	ug/L	98
55) 1,2-Diclpropane	6.608	63	390380	105.00	ug/L	98
56) Dibromomethane	6.760	93	227964	99.57	ug/L	98
57) 1,4-Dioxane	6.851	88	105164	1969.12	ug/L	95
58) Methyl Methacrylate	6.888	69	274929	111.00	ug/L	98
59) Bromodichloromethane	7.022	83	461154	106.72	ug/L	98
60) 2-Nitropropane	7.333	41	164828	203.48	ug/L	87
61) 2-Chloroethylvinyl Ether	7.485	63	97038	141.88	ug/L	98
62) cis-1,3-Dichloropropene	7.626	75	619887	111.05	ug/L	96
63) 4-Methyl-2-pentanone	7.863	43	368352	107.45	ug/L	98
65) Toluene	8.028	91	1507237	97.54	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	541518	114.89	ug/L	99
67) Ethyl Methacrylate	8.504	69	505547	114.80	ug/L	94
68) 1,1,2-Trichloroethane	8.528	97	332948	100.74	ug/L	92
71) Tetrachloroethene	8.674	164	283242	94.05	ug/L	97
72) 2-Hexanone	8.869	43	270405	107.29	ug/L	94
73) 1,3-Dichloropropane	8.711	76	582395	100.16	ug/L	96
74) Dibromochloromethane	8.961	129	337994	113.76	ug/L	96
75) N-Butyl Acetate	9.052	43	549441	109.97	ug/L	92
76) 1,2-Dibromoethane	9.058	107	338614	102.40	ug/L	100
77) Chlorobenzene	9.607	112	985120	97.79	ug/L	99
78) 1,1,1,2-Tetrachloroethane	9.705	131	339680	107.42	ug/L	97
79) Ethylbenzene	9.747	106	523999	99.76	ug/L	96
80) (m+p)Xylene	9.869	106	1309430	203.41	ug/L	98
81) o-Xylene	10.247	106	644036	101.94	ug/L	98
82) Styrene	10.259	104	1113712	109.00	ug/L	99
83) Bromoform	10.412	173	200014	119.53	ug/L	98
84) Isopropylbenzene	10.607	105	1656317	100.11	ug/L	100
85) Cyclohexanone	10.662	55	1339517	2226.11	ug/L	89
86) trans-1,4-Dichloro-2-B...	10.930	53	103866	110.52	ug/L	92
88) 1,1,2,2-Tetrachloroethane	10.881	83	399533	97.75	ug/L	98
89) Bromobenzene	10.845	156	429921	95.70	ug/L	96
90) 1,2,3-Trichloropropane	10.899	110	138128	97.93	ug/L	95
91) n-Propylbenzene	10.979	91	1970616	97.32	ug/L	99
92) 2-Chlorotoluene	11.034	91	1191379	97.01	ug/L	96
93) 4-Chlorotoluene	11.131	91	1367846	97.75	ug/L	96
94) 1,3,5-Trimethylbenzene	11.143	105	1397086	100.01	ug/L	99
95) tert-Butylbenzene	11.418	119	1203811	96.01	ug/L	99
96) 1,2,4-Trimethylbenzene	11.460	105	1429397	102.32	ug/L	98
97) sec-Butylbenzene	11.607	105	1856110	97.75	ug/L	99
98) p-Isopropyltoluene	11.735	119	1543868	99.28	ug/L	99
99) 1,3-Dclbenz	11.680	146	833403	96.19	ug/L	98
100) 1,4-Dclbenz	11.759	146	840972	95.66	ug/L	94
101) n-Butylbenzene	12.076	91	1473068	103.57	ug/L	96
102) 1,2-Dclbenz	12.064	146	802945	98.92	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	84119	118.28	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6045.D
 Acq On : 19 Apr 2019 2:19 pm
 Operator : F.NAEGLER
 Sample : 100.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 19 14:37:18 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:27:08 2019
 Response via : Initial Calibration

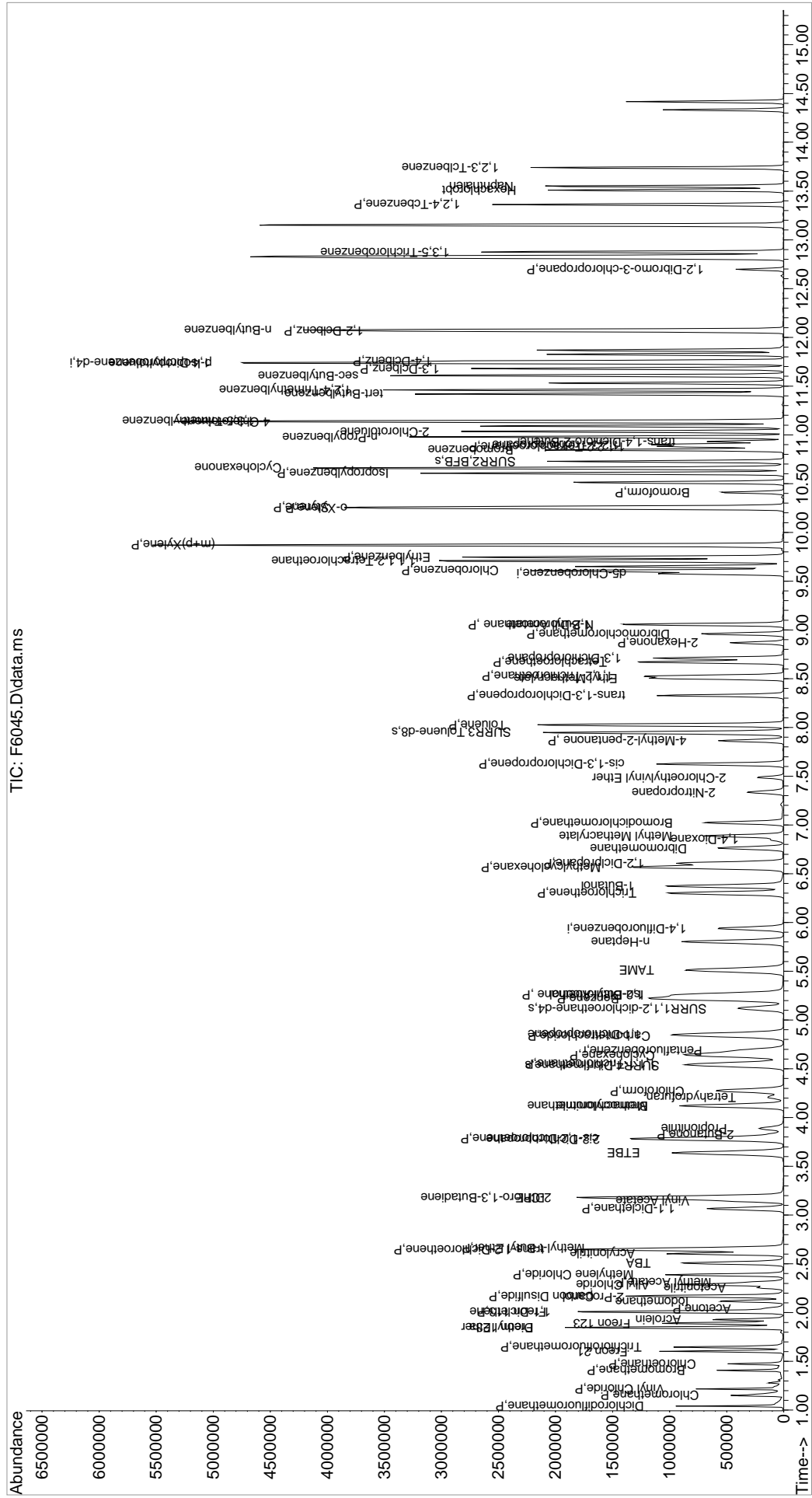
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.875	180	606237	111.11	ug/L	100
105) 1,2,4-Tcbenzene	13.362	180	571186	133.00	ug/L	98
106) Hexachlorobt	13.509	225	294026	100.31	ug/L	98
107) Naphthalen	13.551	128	1223962	149.64	ug/L	97
108) 1,2,3-Tclbenzene	13.740	180	491082	142.32	ug/L	98

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

Data Path : I:\ACQDATA\MSVOA14\Data\041919\
 Data File : F6045.D
 Acq On : 19 Apr 2019 2:19 pm
 Operator : F.NAEGLER
 Sample : 100.0 PPB STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA14

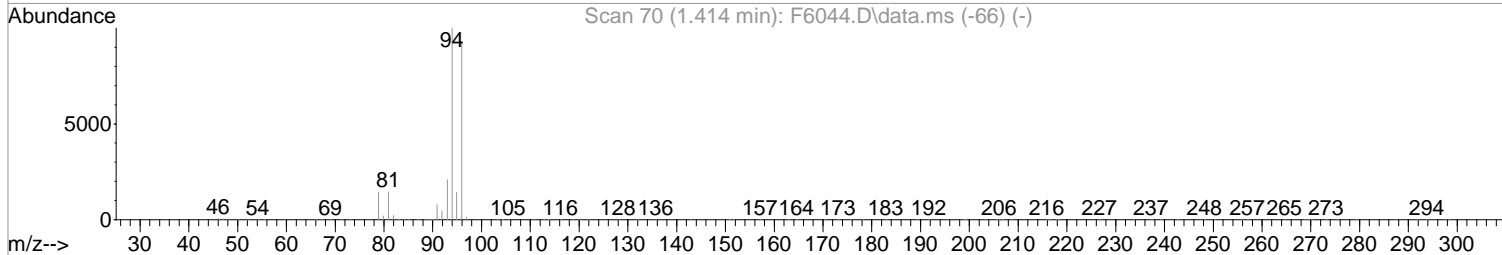
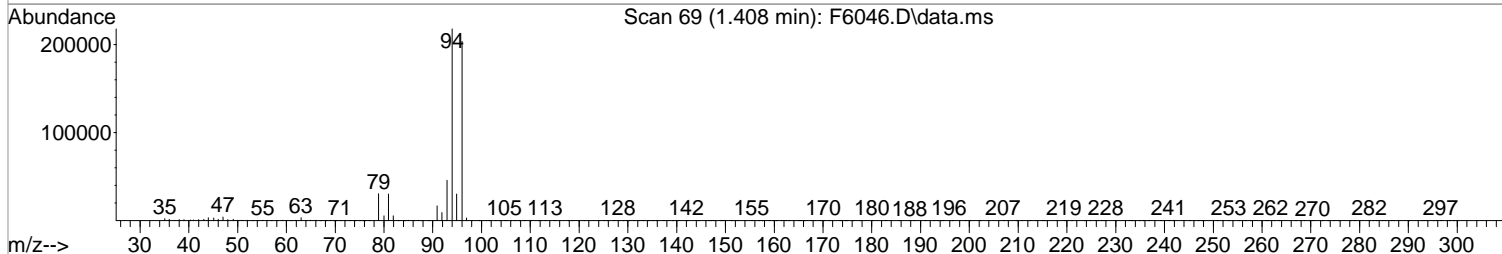
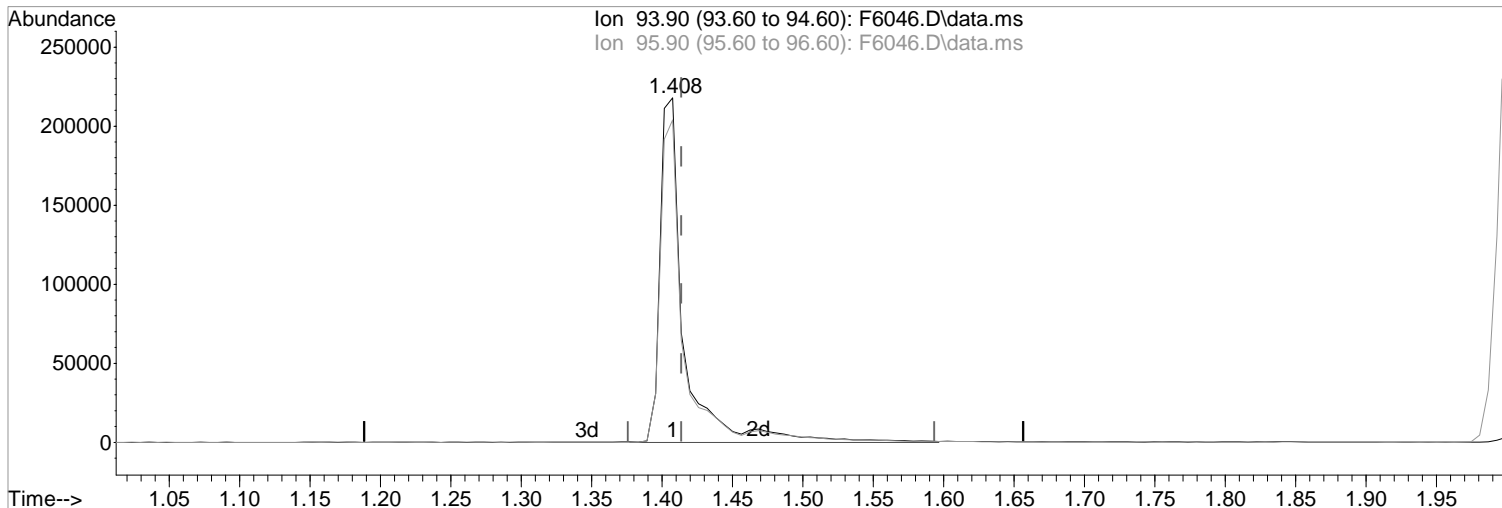
Quant Time: Apr 19 14:37:18 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:27:08 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 14:59:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration



TIC: F6046.D\data.ms

(5) Bromomethane (P)

1.408min (-0.006) 92.47 ug/L m
response 261043

Manual Integration:

After

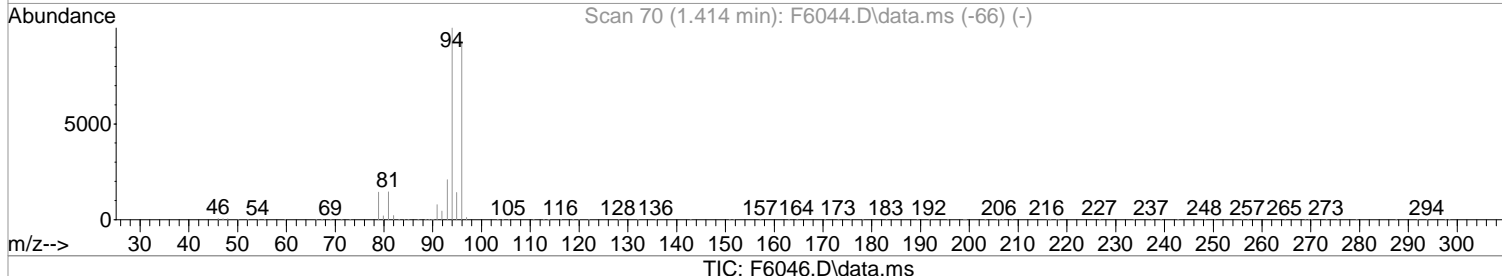
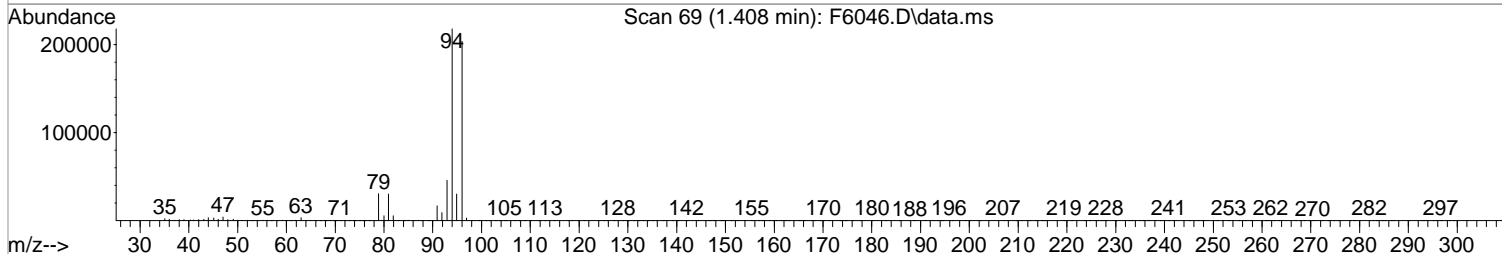
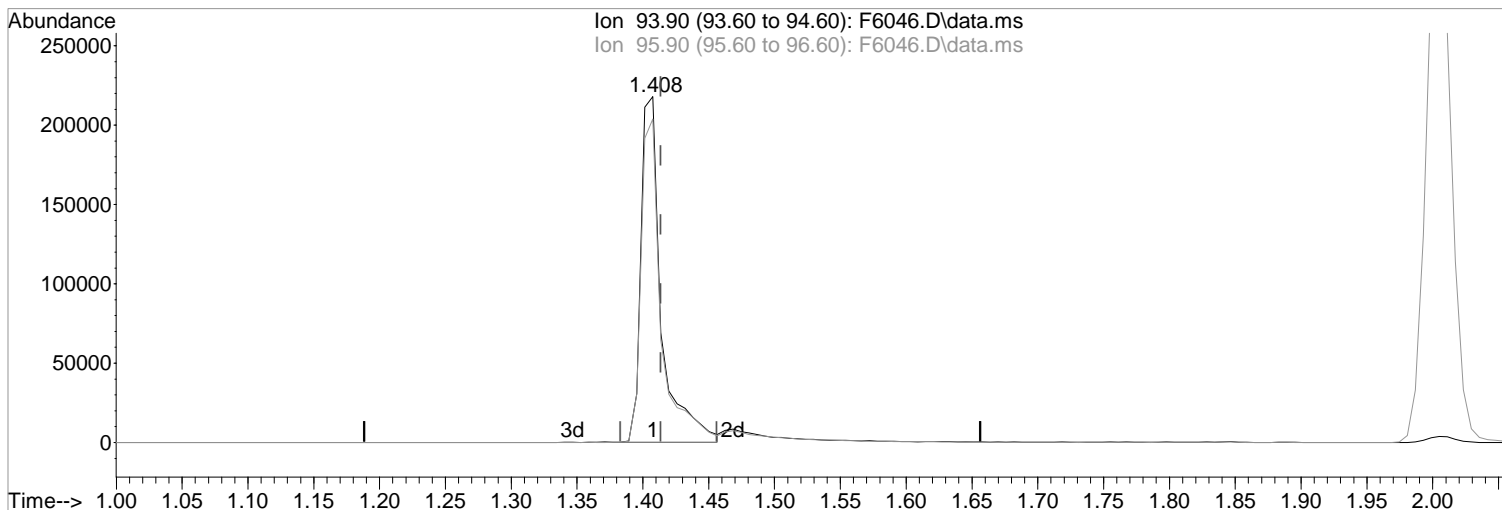
Poor integration.

04/19/19

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	93.57
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD
Misc :
ALS Vial : 9 Sample Multiplier: 1
Inst : MSVOA14

Quant Time: Apr 19 14:59:56 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration



(5) Bromomethane (P)
1.408min (-0.006) 83.61 ug/L
response 236017

Manual Integration:
Before

Ion	Exp%	Act%
93.90	100	100
95.90	95.40	93.57
0.00	0.00	0.00
0.00	0.00	0.00

04/19/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6046.D
 Acq On : 19 Apr 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 150.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:38:23 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	358128	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	558957	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	496749	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	267704	50.00	ug/L	0.00

System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	656815	197.29	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	394.58%#		
47) SURR1,1,2-dichloroetha...	5.120	65	762476	188.56	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	377.12%#		
64) SURR3,Toluene-d8	7.949	98	2595835	189.42	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	378.84%#		
69) SURR2,BFB	10.729	95	1005523	182.05	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	364.10%#		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.042	85	698737	154.30	ug/L	98
3) Chloromethane	1.152	50	678531	147.71	ug/L	100
4) Vinyl Chloride	1.219	62	638045	148.29	ug/L	97
5) Bromomethane	1.408	94	261043m	92.47	ug/L	
6) Chloroethane	1.469	64	367053	145.57	ug/L	99
7) Freon 21	1.603	67	962229	148.98	ug/L	99
8) Trichlorofluoromethane	1.645	101	739076	147.90	ug/L	96
9) Diethyl Ether	1.847	59	470556	149.90	ug/L	99
10) Freon 123a	1.847	67	608108	149.91	ug/L	99
11) Freon 123	1.889	83	687027	150.08	ug/L	100
12) Acrolein	1.926	56	541365	749.68	ug/L	97
13) 1,1-Diclcethene	2.005	96	458496	149.73	ug/L	94
14) Freon 113	2.011	101	458101	147.64	ug/L	92
15) Acetone	2.048	43	195743	135.31	ug/L	88
16) 2-Propanol	2.170	45	885724	3205.25	ug/L	94
17) Iodomethane	2.115	142	691509	180.60	ug/L	97
18) Carbon Disulfide	2.170	76	1421433	153.68	ug/L	98
19) Acetonitrile	2.255	40	155226	795.59	ug/L	94
20) Allyl Chloride	2.285	76	263010	156.48	ug/L	# 84
21) Methyl Acetate	2.310	43	403446	146.82	ug/L	96
22) Methylene Chloride	2.389	84	538852	134.49	ug/L	91
23) TBA	2.511	59	1524845	3111.58	ug/L	96
24) Acrylonitrile	2.602	53	1030758	781.56	ug/L	97
25) Methyl-t-Butyl Ether	2.657	73	1612001	155.23	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	513506	150.60	ug/L	93
27) 1,1-Diclcethane	3.066	63	960263	151.89	ug/L	98
28) Vinyl Acetate	3.145	86	113226	180.33	ug/L	98
29) DIPE	3.182	45	1710544	155.79	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.176	53	690502	150.62	ug/L	98
31) ETBE	3.639	59	1611483	159.31	ug/L	98
32) 2,2-Dichloropropane	3.779	77	760256	157.74	ug/L	98
33) cis-1,2-Dichloroethene	3.785	96	580106	149.79	ug/L	98
34) 2-Butanone	3.828	43	275295	143.32	ug/L	95
35) Propionitrile	3.889	54	409464	791.52	ug/L	97
36) Bromochloromethane	4.120	130	365039	153.83	ug/L	# 89
37) Methacrylonitrile	4.120	67	237623	156.60	ug/L	92
38) Tetrahydrofuran	4.212	42	176314	146.69	ug/L	97
39) Chloroform	4.279	83	916997	149.40	ug/L	96
40) 1,1,1-Trichloroethane	4.547	97	759641	153.60	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6046.D
 Acq On : 19 Apr 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 150.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:38:23 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.510	73	1526781	161.74	ug/L	96
43) Cyclohexane	4.639	41	504856	150.05	ug/L	89
45) Carbontetrachloride	4.840	121	188808	159.16	ug/L #	76
46) 1,1-Dichloropropene	4.852	75	688411	151.30	ug/L	97
48) Benzene	5.218	78	2111785	150.66	ug/L	96
49) 1,2-Dichloroethane	5.261	62	730795	148.69	ug/L	96
50) Iso-Butyl Alcohol	5.267	43	636831	3520.44	ug/L	95
51) n-Heptane	5.803	43	757827	164.76	ug/L	97
52) 1-Butanol	6.382	56	1083628	9287.99	ug/L	95
53) Trichloroethene	6.303	130	585849	147.84	ug/L	96
54) Methylcyclohexane	6.565	55	747431	157.66	ug/L	97
55) 1,2-Diclpropane	6.608	63	581465	156.88	ug/L	98
56) Dibromomethane	6.760	93	341281	150.87	ug/L	98
57) 1,4-Dioxane	6.852	88	161239	3061.38	ug/L	96
58) Methyl Methacrylate	6.888	69	419197	168.09	ug/L	98
59) Bromodichloromethane	7.022	83	703694	162.88	ug/L	97
60) 2-Nitropropane	7.333	41	256287	318.89	ug/L	89
61) 2-Chloroethylvinyl Ether	7.486	63	156179	215.88	ug/L	96
62) cis-1,3-Dichloropropene	7.626	75	939093	167.08	ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	564824	164.59	ug/L	98
65) Toluene	8.028	91	2301008	151.22	ug/L	99
66) trans-1,3-Dichloropropene	8.327	75	826879	173.13	ug/L	99
67) Ethyl Methacrylate	8.504	69	785454	176.05	ug/L	93
68) 1,1,2-Trichloroethane	8.528	97	497577	152.08	ug/L	94
71) Tetrachloroethene	8.674	164	440123	147.37	ug/L	96
72) 2-Hexanone	8.870	43	420815	164.70	ug/L	92
73) 1,3-Dichloropropane	8.711	76	880567	151.15	ug/L	96
74) Dibromochloromethane	8.961	129	514114	168.89	ug/L	98
75) N-Butyl Acetate	9.052	43	881941	173.35	ug/L	92
76) 1,2-Dibromoethane	9.059	107	509821	153.31	ug/L	100
77) Chlorobenzene	9.607	112	1491324	148.35	ug/L	98
78) 1,1,1,2-Tetrachloroethane	9.705	131	525622	163.93	ug/L	98
79) Ethylbenzene	9.747	106	815148	155.00	ug/L	92
80) (m+p)Xylene	9.869	106	2004096	309.95	ug/L	94
81) o-Xylene	10.247	106	985880	155.30	ug/L	98
82) Styrene	10.266	104	1706633	164.30	ug/L	96
83) Bromoform	10.412	173	316996	183.17	ug/L	98
84) Isopropylbenzene	10.607	105	2557549	154.31	ug/L	99
85) Cyclohexanone	10.662	55	2107778	3432.59	ug/L	90
86) trans-1,4-Dichloro-2-B...	10.930	53	165023	172.30	ug/L	90
88) 1,1,2,2-Tetrachloroethane	10.881	83	629016	153.35	ug/L	98
89) Bromobenzene	10.845	156	651348	144.97	ug/L	97
90) 1,2,3-Trichloropropane	10.900	110	208663	147.36	ug/L	92
91) n-Propylbenzene	10.979	91	3079907	151.66	ug/L	99
92) 2-Chlorotoluene	11.034	91	1826613	148.38	ug/L	96
93) 4-Chlorotoluene	11.131	91	2128669	151.57	ug/L	95
94) 1,3,5-Trimethylbenzene	11.144	105	2177965	154.76	ug/L	98
95) tert-Butylbenzene	11.418	119	1873896	149.35	ug/L	98
96) 1,2,4-Trimethylbenzene	11.461	105	2221203	157.23	ug/L	99
97) sec-Butylbenzene	11.607	105	2880989	151.17	ug/L	98
98) p-Isopropyltoluene	11.741	119	2409123	153.97	ug/L	97
99) 1,3-Dclbenz	11.680	146	1285848	148.26	ug/L	98
100) 1,4-Dclbenz	11.759	146	1301085	147.98	ug/L	96
101) n-Butylbenzene	12.076	91	2326676	161.43	ug/L	96
102) 1,2-Dclbenz	12.064	146	1238209	151.69	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	134754	182.53	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6046.D
Acq On : 19 Apr 2019 2:44 pm
Operator : F.NAEGLER
Sample : 150.0 PPB STD Inst : MSVOA14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 19 15:00:26 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Fri Apr 19 14:38:23 2019
Response via : Initial Calibration

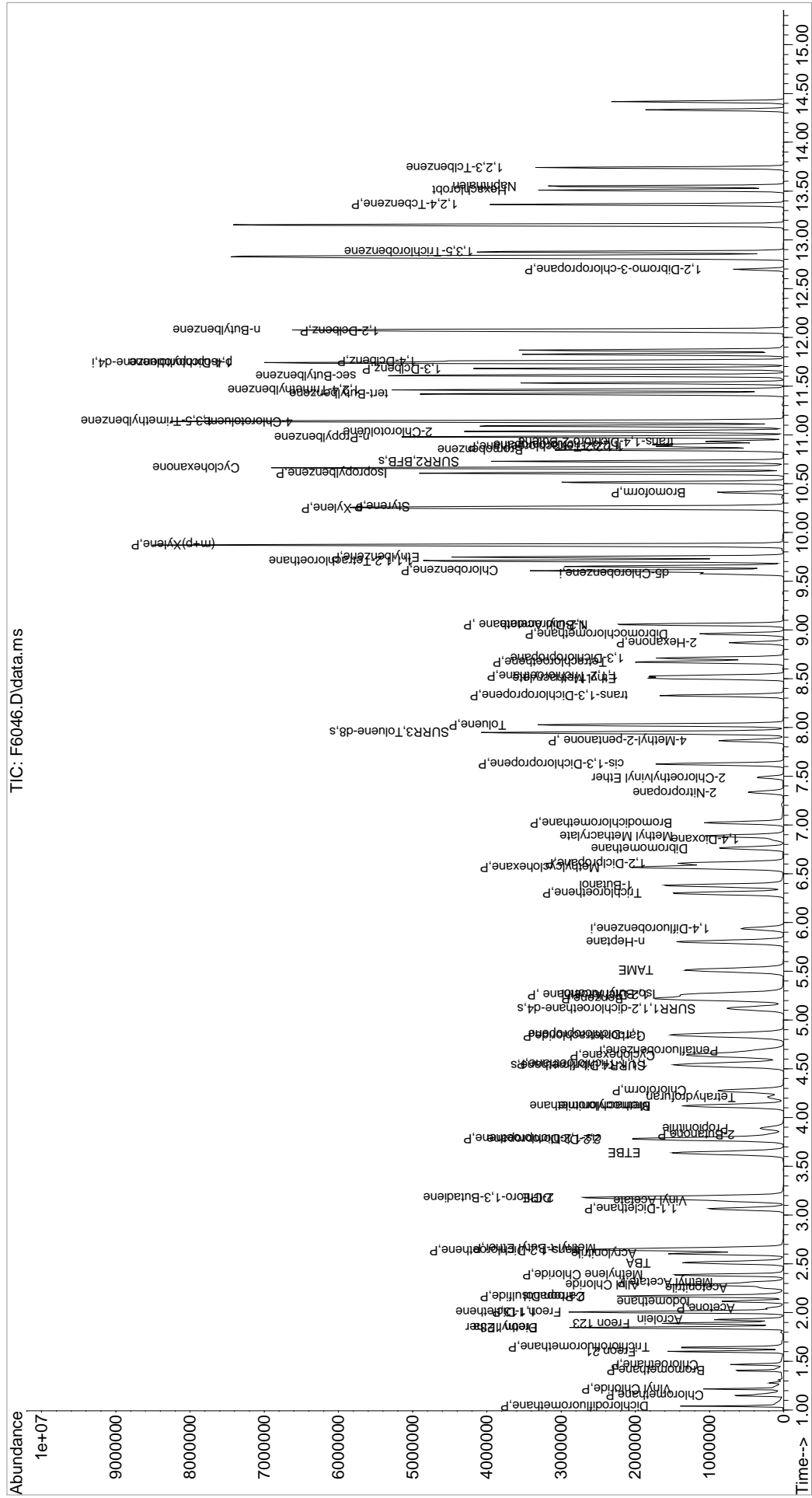
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	970363	173.33	ug/L	99
105) 1,2,4-Tcbenzene	13.363	180	881123	193.04	ug/L	97
106) Hexachlorobt	13.509	225	461501	156.21	ug/L	98
107) Naphthalen	13.552	128	1892933	212.17	ug/L	97
108) 1,2,3-Tclbenzene	13.741	180	761454	204.62	ug/L	97

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

Data Path : I:\ACQDATA\MSVOA14\Data\041919\
 Data File : F6046.D
 Acq On : 19 Apr 2019 2:44 pm
 Operator : F.NAEGLER
 Sample : 150.0 PPB STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 19 15:00:26 2019
 Quant Method : I:\ACQDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 14:38:23 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6047.D
 Acq On : 19 Apr 2019 3:07 pm
 Operator : F.NAEGLER
 Sample : 200.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 15:01:22 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.687	168	369514	50.00	ug/L	0.00
42) 1,4-Difluorobenzene	5.937	114	578250	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.577	117	508329	50.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	11.741	152	264105	50.00	ug/L	0.00
System Monitoring Compounds						
44) SURR4,Dibrflmethane	4.535	113	176496	51.38	ug/L	0.00
Spiked Amount	50.000	Range 63 - 138	Recovery =	102.76%		
47) SURR1,1,2-dichloroetha...	5.120	65	206423	49.92	ug/L	0.00
Spiked Amount	50.000	Range 67 - 128	Recovery =	99.84%		
64) SURR3,Toluene-d8	7.949	98	707824	50.46	ug/L	0.00
Spiked Amount	50.000	Range 66 - 138	Recovery =	100.92%		
69) SURR2,BFB	10.729	95	274468	48.91	ug/L	0.00
Spiked Amount	50.000	Range 31 - 154	Recovery =	97.82%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.042	85	972273	207.24	ug/L	99
3) Chloromethane	1.145	50	931149	196.89	ug/L	100
4) Vinyl Chloride	1.218	62	902660	203.66	ug/L	97
5) Bromomethane	1.407	94	477038	173.28	ug/L	98
6) Chloroethane	1.475	64	513892	198.36	ug/L	100
7) Freon 21	1.603	67	1283230	192.74	ug/L	98
8) Trichlorofluoromethane	1.645	101	1035951	201.32	ug/L	98
9) Diethyl Ether	1.846	59	655732	202.47	ug/L	98
10) Freon 123a	1.846	67	805677	192.51	ug/L	99
11) Freon 123	1.889	83	915288	193.76	ug/L	99
12) Acrolein	1.926	56	754162	1012.25	ug/L	99
13) 1,1-Dicethene	2.005	96	647208	204.90	ug/L	94
14) Freon 113	2.011	101	638786	199.98	ug/L	93
15) Acetone	2.041	43	262121	179.12	ug/L	89
16) 2-Propanol	2.163	45	1279607	4444.51	ug/L	94
17) Iodomethane	2.115	142	934559	228.77	ug/L	97
18) Carbon Disulfide	2.170	76	1902447	198.65	ug/L	98
19) Acetonitrile	2.255	40	220982	1086.70	ug/L	96
20) Allyl Chloride	2.285	76	366536	210.06	ug/L	# 83
21) Methyl Acetate	2.310	43	570962	201.99	ug/L	96
22) Methylene Chloride	2.389	84	745436	183.02	ug/L	91
23) TBA	2.511	59	2217675	4362.74	ug/L	95
24) Acrylonitrile	2.602	53	1462692	1068.47	ug/L	98
25) Methyl-t-Butyl Ether	2.657	73	2243665	208.36	ug/L	99
26) trans-1,2-Dichloroethene	2.639	96	708649	201.31	ug/L	92
27) 1,1-Dicethane	3.066	63	1319725	201.95	ug/L	97
28) Vinyl Acetate	3.145	86	157054	235.62	ug/L	99
29) DIPE	3.182	45	2292796	201.28	ug/L	95
30) 2-Chloro-1,3-Butadiene	3.175	53	910882	192.46	ug/L	98
31) ETBE	3.639	59	2191499	208.13	ug/L	98
32) 2,2-Dichloropropane	3.779	77	1046232	208.85	ug/L	97
33) cis-1,2-Dichloroethene	3.785	96	797306	199.57	ug/L	98
34) 2-Butanone	3.822	43	377728	192.02	ug/L	96
35) Propionitrile	3.889	54	580829	1079.64	ug/L	96
36) Bromochloromethane	4.120	130	504043	205.12	ug/L	# 89
37) Methacrylonitrile	4.120	67	340496	216.13	ug/L	92
38) Tetrahydrofuran	4.206	42	251942	203.80	ug/L	96
39) Chloroform	4.273	83	1262325	199.43	ug/L	95
40) 1,1,1-Trichloroethane	4.547	97	1063538	207.71	ug/L	96

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6047.D
 Acq On : 19 Apr 2019 3:07 pm
 Operator : F.NAEGLER
 Sample : 200.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 15:01:22 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) TAME	5.516	73	2080347	211.22	ug/L	95
43) Cyclohexane	4.639	41	670176	192.53	ug/L	86
45) Carbontetrachloride	4.846	121	266817	215.54	ug/L #	79
46) 1,1-Dichloropropene	4.852	75	961027	203.91	ug/L	97
48) Benzene	5.218	78	2916804	201.02	ug/L	96
49) 1,2-Dichloroethane	5.260	62	1016294	200.12	ug/L	96
50) Iso-Butyl Alcohol	5.266	43	925322	4824.99	ug/L	95
51) n-Heptane	5.803	43	1047875	217.17	ug/L	98
52) 1-Butanol	6.382	56	1557589	12479.94	ug/L	94
53) Trichloroethene	6.303	130	798648	195.21	ug/L	97
54) Methylcyclohexane	6.571	55	993960	201.20	ug/L	97
55) 1,2-Diclpropane	6.608	63	804098	208.34	ug/L	99
56) Dibromomethane	6.760	93	480428	205.13	ug/L	100
57) 1,4-Dioxane	6.852	88	226162	4138.68	ug/L	98
58) Methyl Methacrylate	6.888	69	599742	228.52	ug/L	97
59) Bromodichloromethane	7.022	83	977746	216.11	ug/L	98
60) 2-Nitropropane	7.339	41	372766	443.69	ug/L	87
61) 2-Chloroethylvinyl Ether	7.492	63	214070	269.14	ug/L	97
62) cis-1,3-Dichloropropene	7.626	75	1302492	220.41	ug/L	97
63) 4-Methyl-2-pentanone	7.864	43	780777	216.92	ug/L	97
65) Toluene	8.028	91	3164412	200.79	ug/L	100
66) trans-1,3-Dichloropropene	8.327	75	1164527	230.61	ug/L	98
67) Ethyl Methacrylate	8.504	69	1109982	234.66	ug/L	92
68) 1,1,2-Trichloroethane	8.528	97	693238	204.41	ug/L	92
71) Tetrachloroethene	8.674	164	607082	199.14	ug/L	97
72) 2-Hexanone	8.869	43	579138	218.44	ug/L	92
73) 1,3-Dichloropropane	8.711	76	1219125	204.28	ug/L	95
74) Dibromochloromethane	8.961	129	733236	231.23	ug/L	99
75) N-Butyl Acetate	9.052	43	1238969	232.80	ug/L	92
76) 1,2-Dibromoethane	9.058	107	710307	208.08	ug/L	97
77) Chlorobenzene	9.607	112	2051371	199.72	ug/L	98
78) 1,1,1,2-Tetrachloroethane	9.705	131	729874	219.53	ug/L	98
79) Ethylbenzene	9.747	106	1106000	204.54	ug/L	92
80) (m+p)Xylene	9.869	106	2734445	411.32	ug/L	95
81) o-Xylene	10.247	106	1342393	205.61	ug/L	98
82) Styrene	10.265	104	2323606	215.67	ug/L	96
83) Bromoform	10.412	173	462981	253.43	ug/L	99
84) Isopropylbenzene	10.607	105	3502239	205.65	ug/L	99
85) Cyclohexanone	10.662	55	2856944	4454.88	ug/L	90
86) trans-1,4-Dichloro-2-B...	10.936	53	233623	233.41	ug/L	80
88) 1,1,2,2-Tetrachloroethane	10.881	83	917081	225.90	ug/L	99
89) Bromobenzene	10.851	156	887137	201.10	ug/L #	89
90) 1,2,3-Trichloropropane	10.906	110	291848	209.44	ug/L	98
91) n-Propylbenzene	10.979	91	4170379	207.83	ug/L	98
92) 2-Chlorotoluene	11.034	91	2476464	204.23	ug/L	96
93) 4-Chlorotoluene	11.137	91	2892731	208.46	ug/L	95
94) 1,3,5-Trimethylbenzene	11.143	105	2964153	212.53	ug/L	98
95) tert-Butylbenzene	11.418	119	2560750	207.00	ug/L	98
96) 1,2,4-Trimethylbenzene	11.460	105	2989662	213.04	ug/L	100
97) sec-Butylbenzene	11.607	105	3902807	207.35	ug/L	97
98) p-Isopropyltoluene	11.741	119	3236000	208.84	ug/L	97
99) 1,3-Dclbenz	11.680	146	1718743	201.21	ug/L	98
100) 1,4-Dclbenz	11.759	146	1735885	200.51	ug/L	96
101) n-Butylbenzene	12.076	91	3117362	216.87	ug/L	97
102) 1,2-Dclbenz	12.064	146	1655305	205.23	ug/L	98
103) 1,2-Dibromo-3-chloropr...	12.698	157	194512	259.04	ug/L	94

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
 Data File : F6047.D
 Acq On : 19 Apr 2019 3:07 pm
 Operator : F.NAEGLER
 Sample : 200.0 PPB STD Inst : MSVOA14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 19 15:26:43 2019
 Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
 Quant Title : MS#14 - 8260 SOILS 10ml PURGE
 QLast Update : Fri Apr 19 15:01:22 2019
 Response via : Initial Calibration

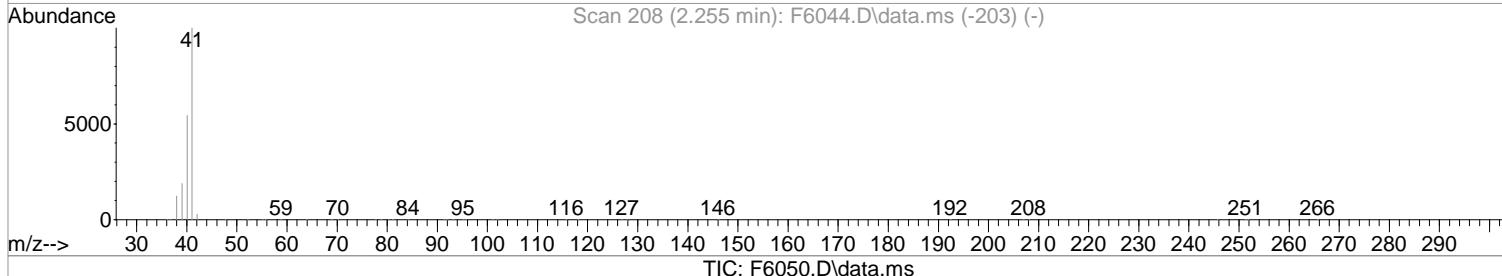
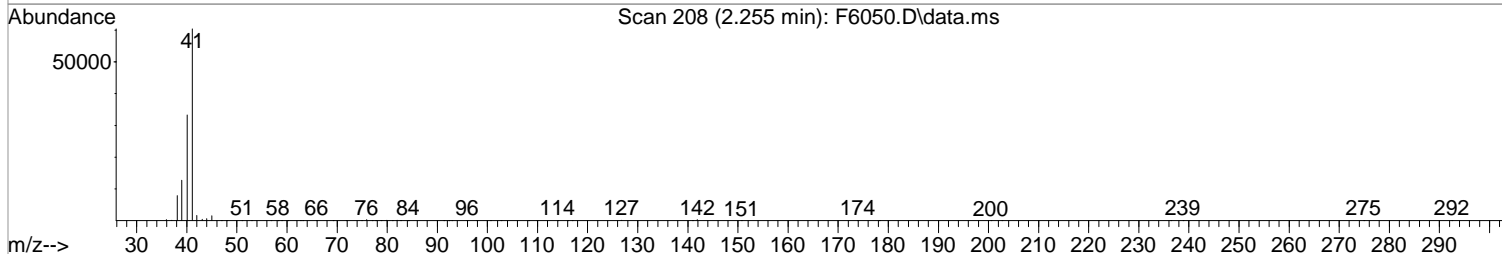
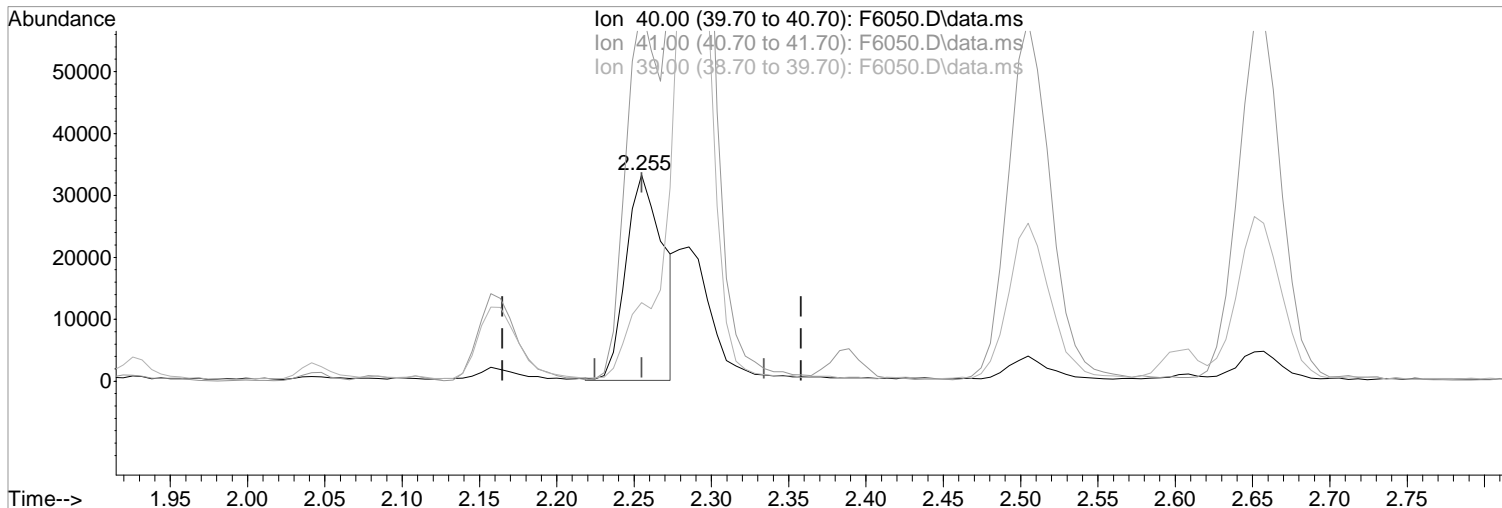
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 1,3,5-Trichlorobenzene	12.881	180	1249389	221.30	ug/L	99
105) 1,2,4-Tcbenzene	13.362	180	1179230	251.56	ug/L	98
106) Hexachlorobt	13.509	225	630257	214.96	ug/L	98
107) Naphthalen	13.551	128	2634872	282.62	ug/L	98
108) 1,2,3-Tclbenzene	13.740	180	1032678	267.38	ug/L	97

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

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 22 10:41:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (-0.000) 266.45 ug/L m
response 55585

Manual Integration:
After
Poor integration.

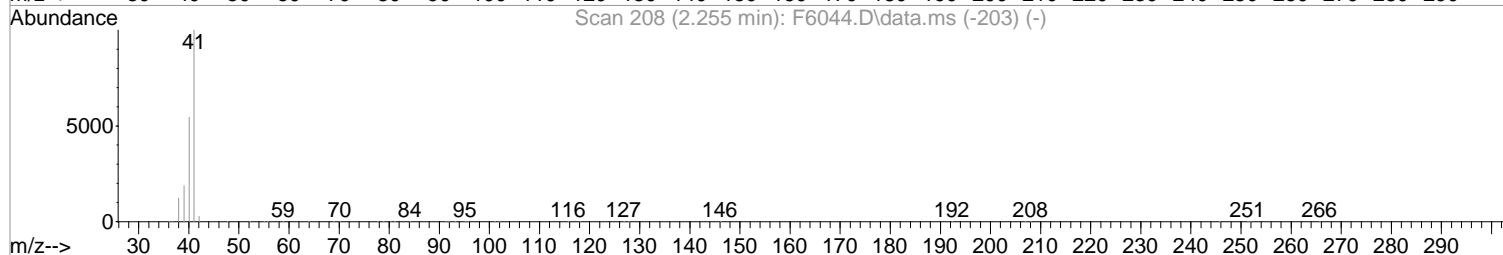
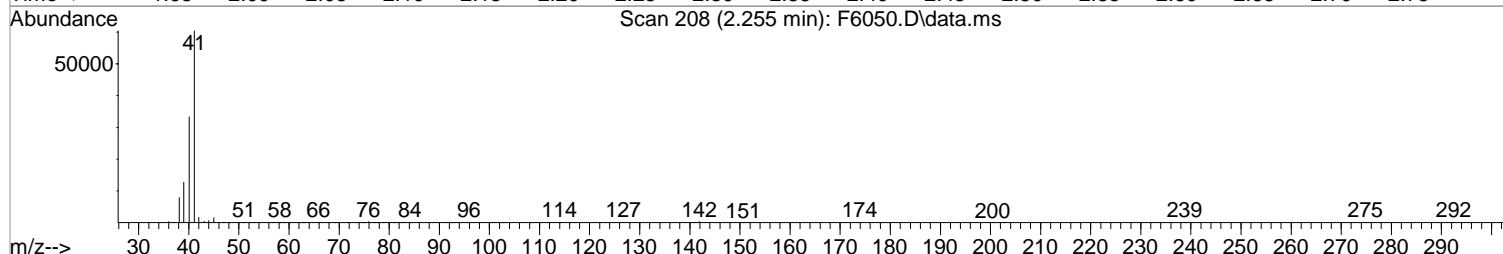
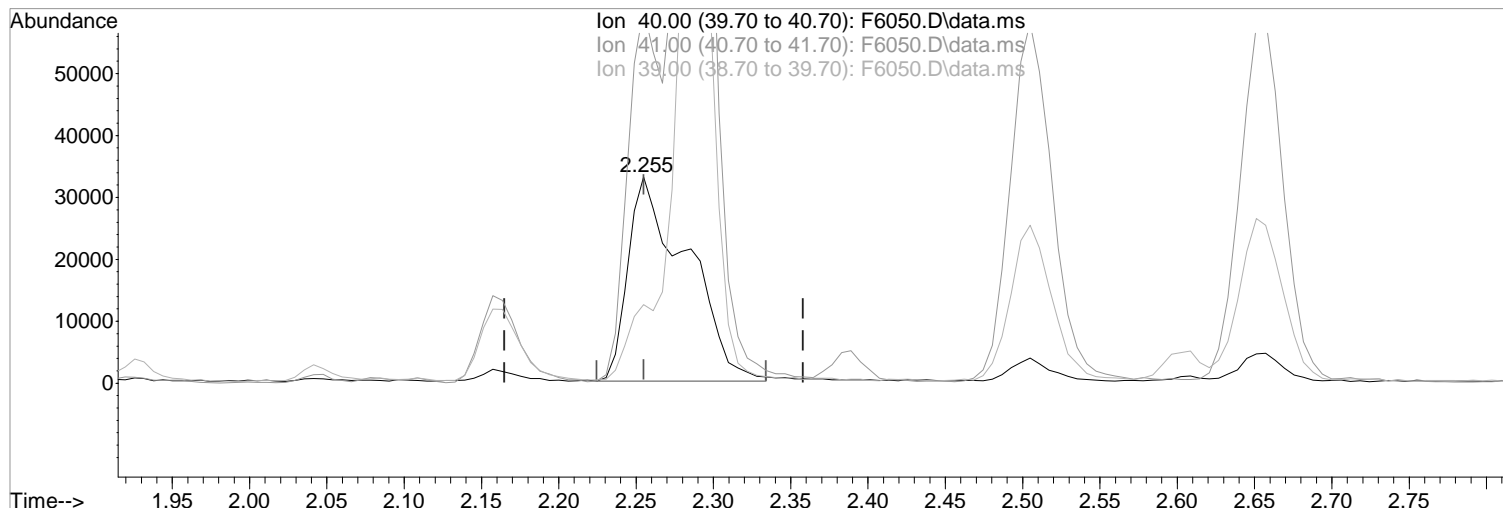
Ion	Exp%	Act%
40.00	100	100
41.00	195.40	181.38
39.00	43.30	38.07
0.00	0.00	0.00

04/22/19

Data Path : I:\ACQUDATA\MSVOA14\Data\041919\
Data File : F6050.D
Acq On : 19 Apr 2019 4:31 pm
Operator : F.NAEGLER
Sample : 50 PPB ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA14

Quant Time: Apr 22 10:41:14 2019
Quant Method : I:\ACQUDATA\MSVOA14\Methods\S041919.M
Quant Title : MS#14 - 8260 SOILS 10ml PURGE
QLast Update : Mon Apr 22 10:00:17 2019
Response via : Initial Calibration



(19) Acetonitrile
2.255min (-0.000) 419.44 ug/L
response 87500

Manual Integration:

Before

Ion	Exp%	Act%
40.00	100	100
41.00	195.40	181.38
39.00	43.30	38.07
0.00	0.00	0.00

04/22/19

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/19/19 11:22

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\041919\F6038.D

Analytical Method: 8260C/624.1

Instrument ID: R-MS-14

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	18.5	31403	PASS
75	95	30	60	49.8	84679	PASS
95	95	100	100	100.0	169907	PASS
96	95	5	9	6.8	11506	PASS
173	174	0	2	0.7	1022	PASS
174	95	50	120	86.9	147664	PASS
175	174	5	9	7.4	10947	PASS
176	174	95	101	96.4	142363	PASS
177	176	5	9	6.5	9320	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
ICAL BLK	ICAL BLK	I:\ACQUDATA\MSVOA14\Data\041919\F6039.D	4/19/19 11:45
1.0 PPB STD	1.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6040.D	4/19/19 12:21
2.0 PPB STD	2.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6041.D	4/19/19 12:44
5.0 PPB STD	5.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6042.D	4/19/19 13:07
20.0 PPB STD	20.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6043.D	4/19/19 13:33
50.0 PPB STD	50.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6044.D	4/19/19 13:56
100.0 PPB STD	100.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6045.D	4/19/19 14:19
150.0 PPB STD	150.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6046.D	4/19/19 14:44
200.0 PPB STD	200.0 PPB STD	I:\ACQUDATA\MSVOA14\Data\041919\F6047.D	4/19/19 15:07
50 PPB ICV	50 PPB ICV	I:\ACQUDATA\MSVOA14\Data\041919\F6050.D	4/19/19 16:31

Analysis: 8260-Soil Analyst: F. Neagle pH strips:
 Date: 4/19/19 Balance ID: ResCl strips: Tune Method: SOY1919.M
 Instr: MS 14 50 mL Class A used for dilution FV Syringes: Run Method:
 Data Path: j:\acquadat\msvoa4\InslID\ (Date) LIMS Run#:

Pos.	Sample	Dilin.	Dilin. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	Blank							F602	Y	
2	Blank							37	Y	
1	TUBE							38	Y	
2	ICAL BLK							39	Y	
3	1.0 Ppb STD							40	Y	
4	2.0							41	Y	
5	5.0							42	Y	
6	20							43	Y	
7	50							44	Y	
8	100							45	Y	
9	150							46	Y	
10	200							47	Y	
11	Blank							48	Y	
12	Blank							49	Y	
13	50 Ppb TOV							50	Y	
14	Blank							51	Y	
15	Blank							52	Y	

SOIL ICAL TABLE

CONC (PPB)	10ul/1ml	1.0	2.0	5.0	20	50	100	150	200
1° TLG = 198694	10ul/1ml	↓	↓	↓	↓	↓	↓	↓	↓
1° HSL = 198696	10ul/1ml	↓	↓	↓	↓	↓	↓	↓	↓
1° FC = 198619	10ul/1ml	↓	↓	↓	↓	↓	↓	↓	↓
1° OCC = 197917	10ul/1ml	↓	↓	↓	↓	↓	↓	↓	↓

Primary SEE TABLE ABOVE

Primary
 Primary
 Primary
 Primary

All samples = 5 mL + 5 uL combined IS/Surr. 6.0 mL purged

Secondary
 Secondary
 Secondary
 Secondary

Surrogate 50 : 198348
 Internal Std 50 : 198349

Reagents:
 198689
 198543 - Seal
 198044 - (ICV)

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 5/1/19 11:52

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA12\DATA\050119\P26230.D
Instrument ID: R-MS-12

Analytical Method: 8260C/624.1

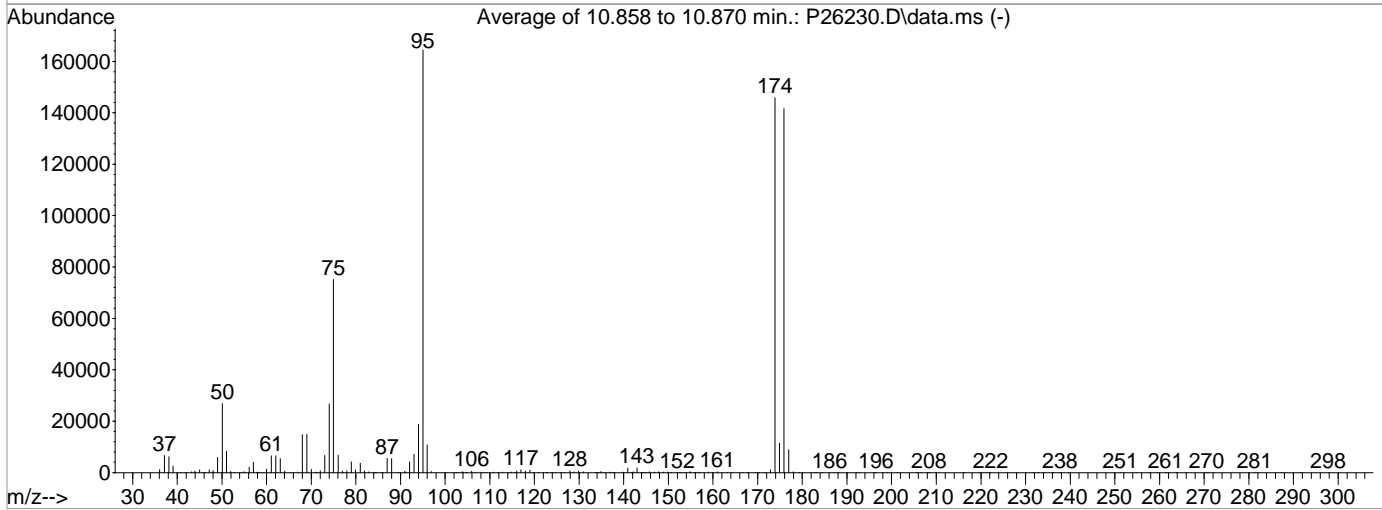
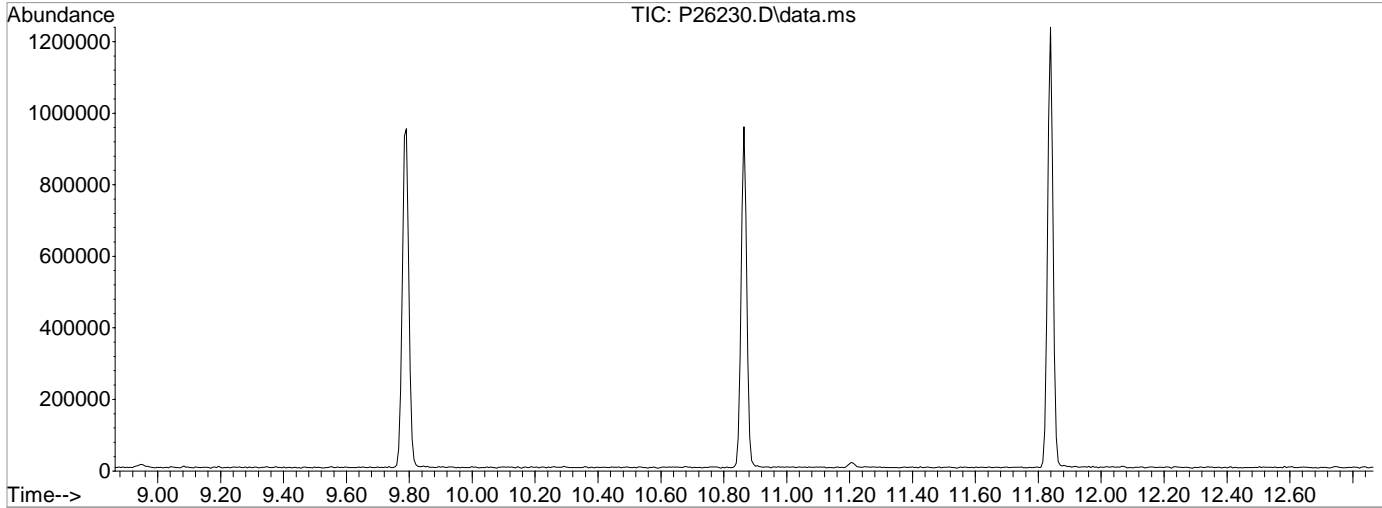
Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
IBLK	IBLK	I:\ACQUDATA\msvoa12\Data\050119\P26231.D	5/1/19 12:14
0.5ppb	0.5ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26232.D	5/1/19 12:47
1.0ppb	1.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26233.D	5/1/19 13:08
2.0ppb	2.0ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26234.D	5/1/19 13:30
5.0ppb	5.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26235.D	5/1/19 13:52
20ppb	20ppb	I:\ACQUDATA\msvoa12\Data\050119\P26236.D	5/1/19 14:14
50ppb	50ppb	I:\ACQUDATA\msvoa12\Data\050119\P26237.D	5/1/19 14:36
100ppb	100ppb	I:\ACQUDATA\msvoa12\Data\050119\P26238.D	5/1/19 14:58
150ppb	150ppb	I:\ACQUDATA\msvoa12\Data\050119\P26239.D	5/1/19 15:20
200ppb	200ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26240.D	5/1/19 15:42
ICV50	ICV50	I:\ACQUDATA\msvoa12\Data\050119\P26245.D	5/1/19 17:31

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26230.D
Acq On : 1 May 2019 11:52 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed May 01 09:40:20 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0.00	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26231.D
 Acq On : 1 May 2019 12:14 pm
 Operator : K.Ruest
 Sample : IBLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:53:15 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

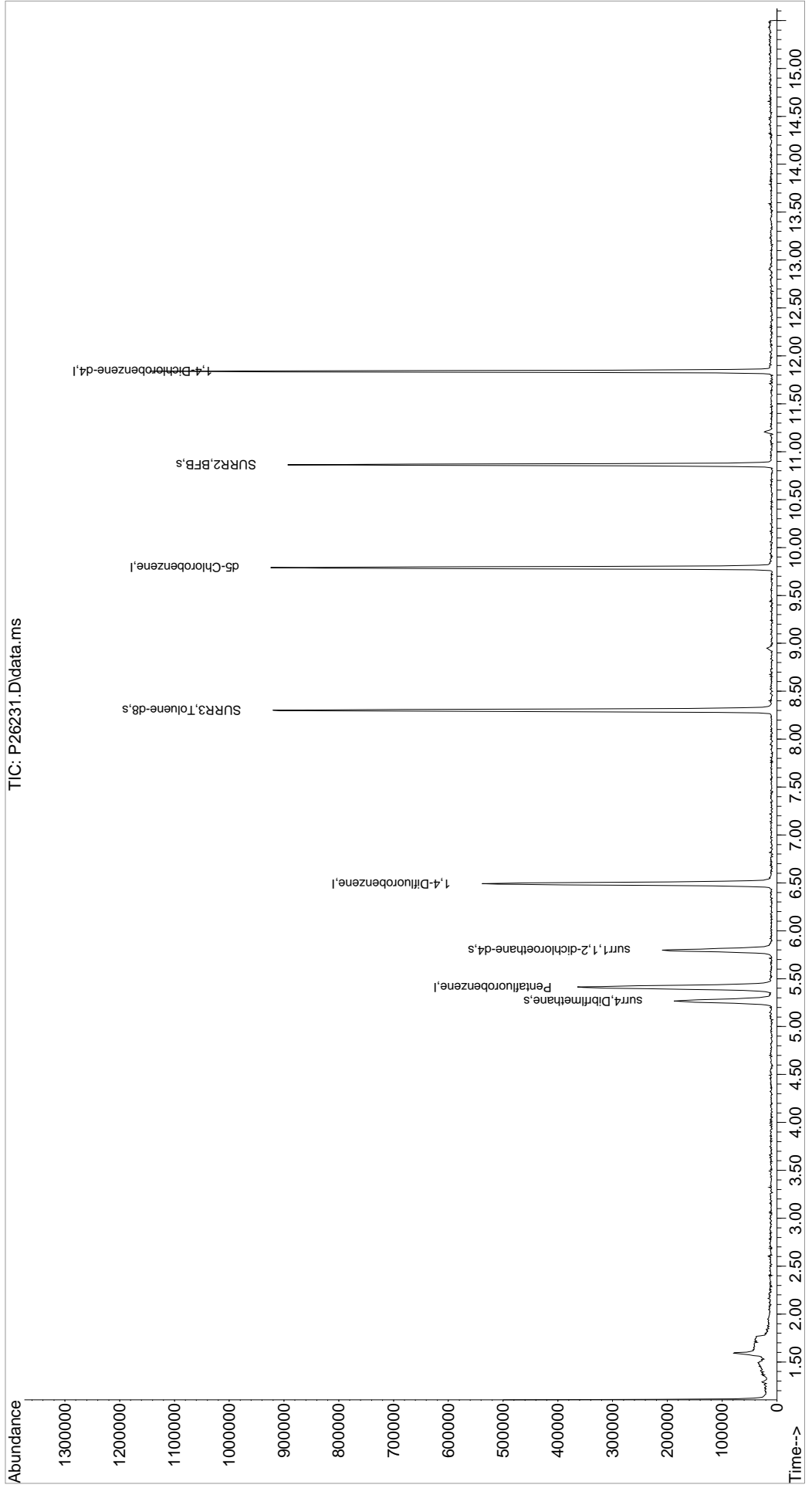
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.407	168	340940	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	493787	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	429733	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	232229	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	142752	50.28	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.56%	
48) surr1,1,2-dichloroetha...	5.798	65	164648	53.16	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.32%	
65) SURR3,Toluene-d8	8.303	98	595399	50.52	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.04%	
70) SURR2,BFB	10.864	95	220144	47.80	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	95.60%	
Target Compounds						
15) Acetone	2.384	43	430	Below Cal	Qvalue #	23

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26231.D
Acq On : 1 May 2019 12:14 pm
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

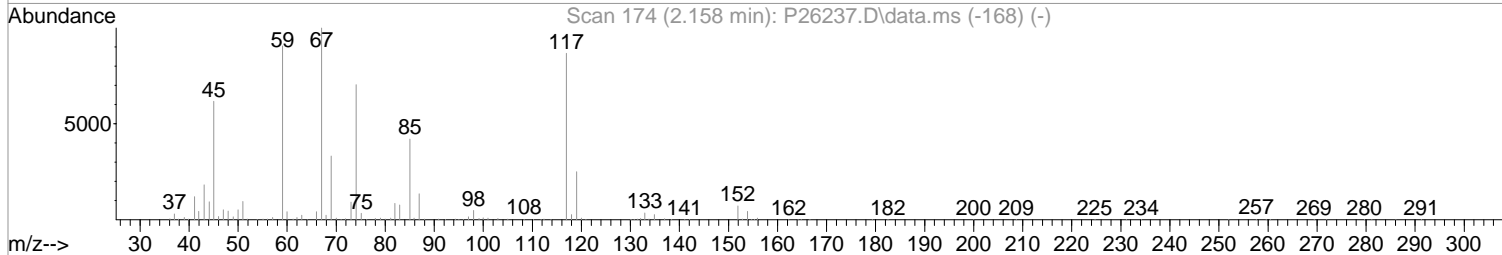
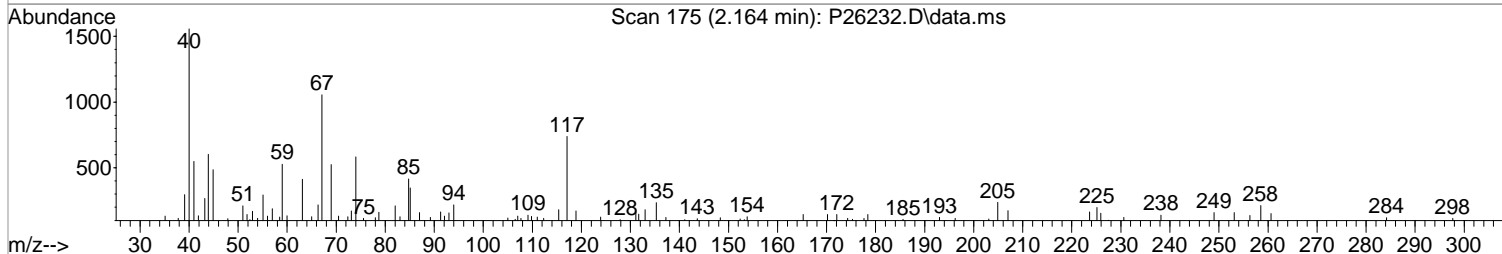
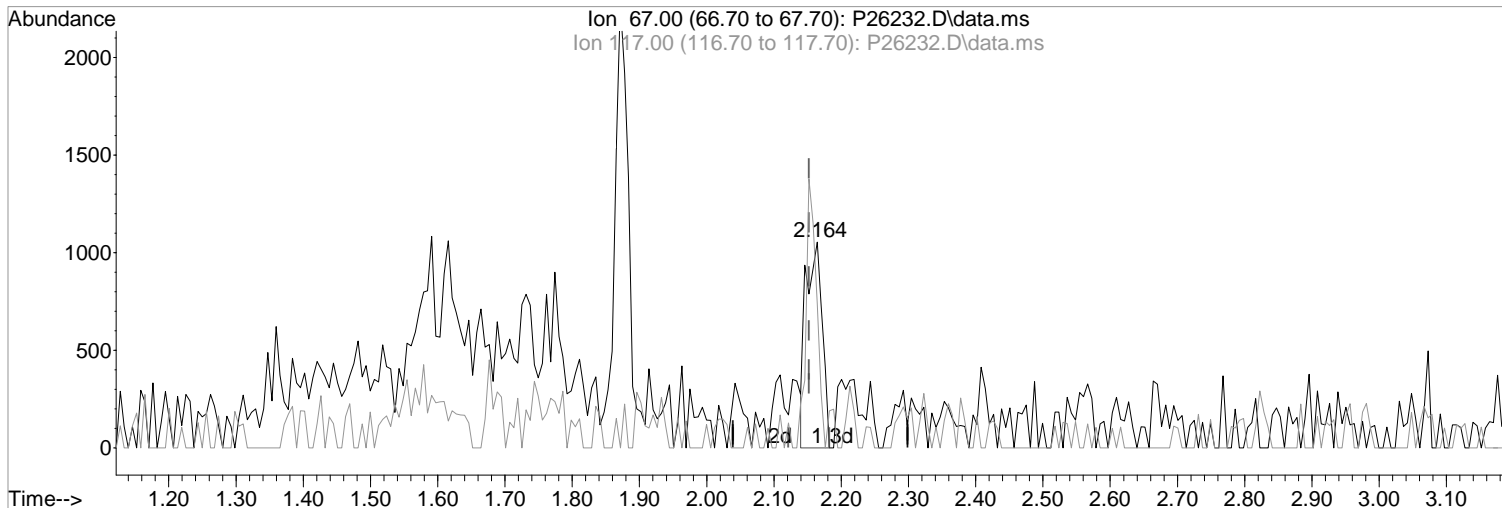
Quant Time: May 02 11:53:15 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(10) Freon 123a
2.164min (+0.012) 0.52 ppb m
response 1774

Manual Integration:

After

Poor integration.

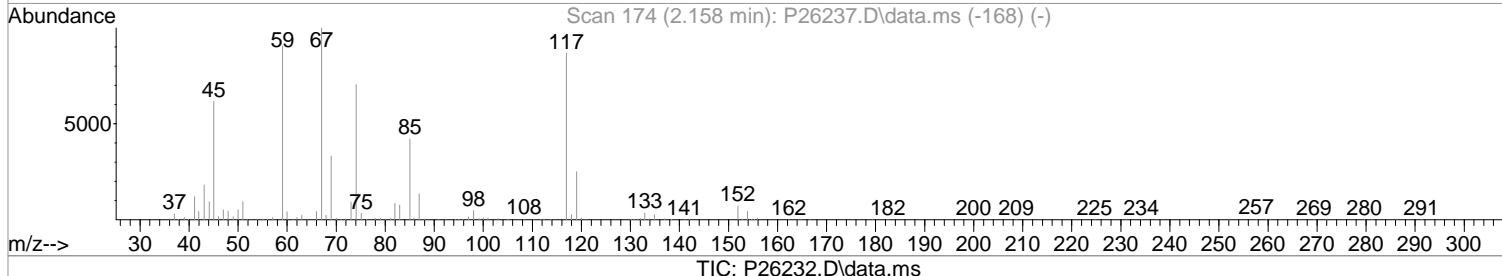
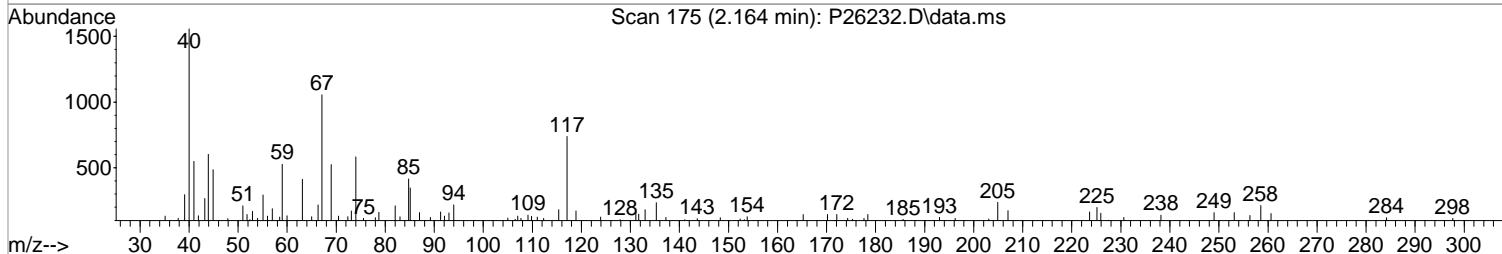
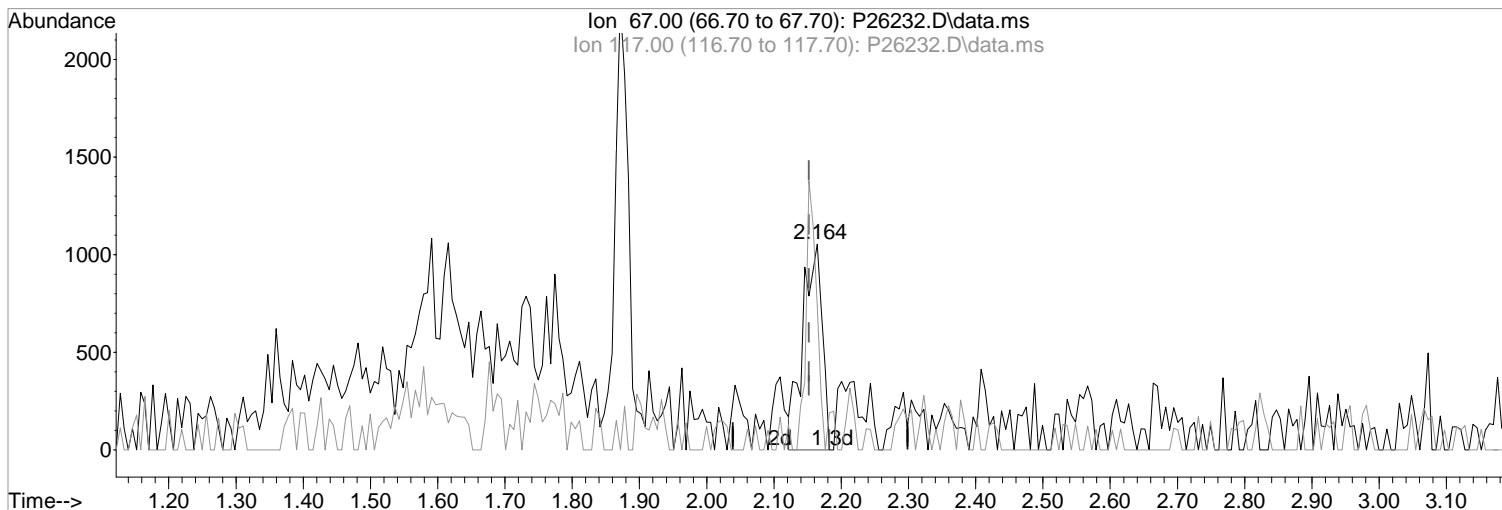
Ion	Exp%	Act%
67.00	100	100
117.00	87.10	70.05
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

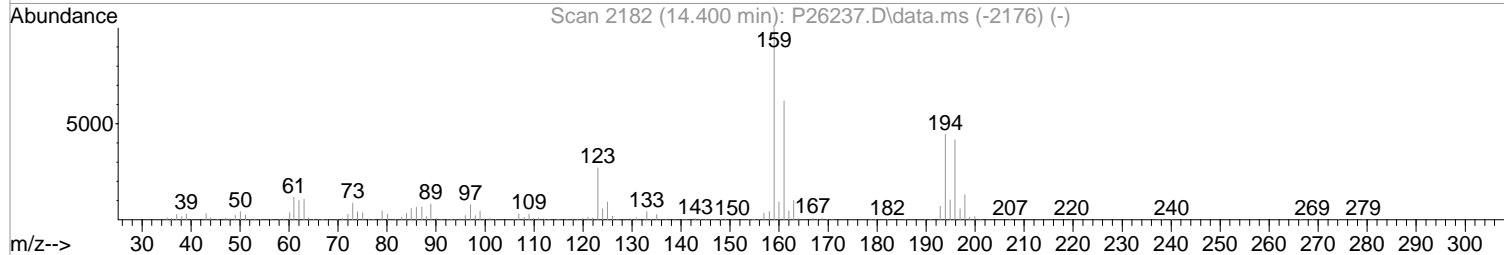
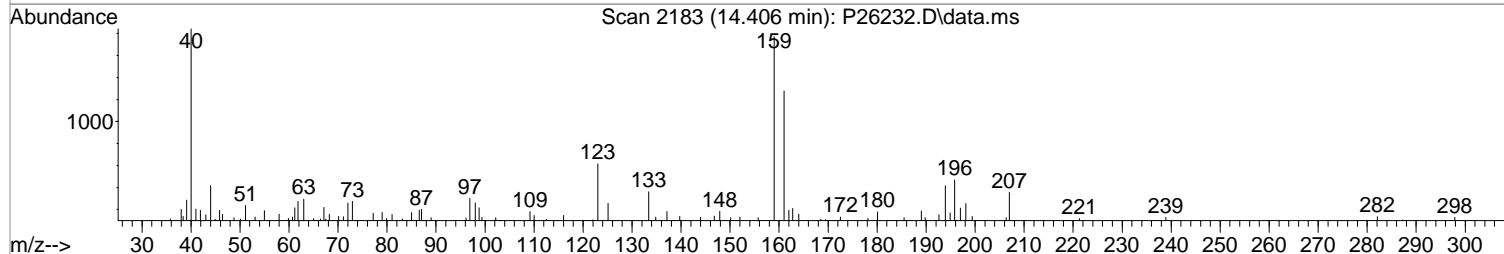
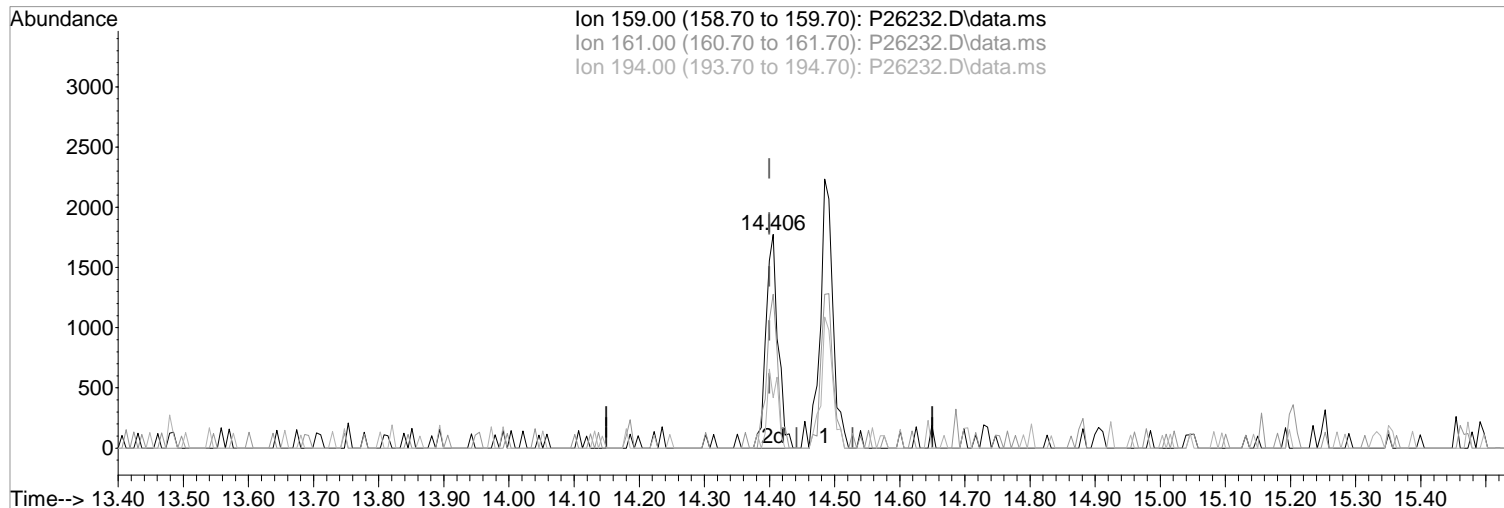


(10) Freon 123a
2.164min (+0.012) 0.63 ppb
response 2129
Ion Exp% Act%
67.00 100 100
117.00 87.10 70.05
0.00 0.00 0.00
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(119) 2,4,5-Trichlorotolene
14.406min (+0.006) 0.52 ppb m
response 2309

Manual Integration:
After
Wrong peak selected.

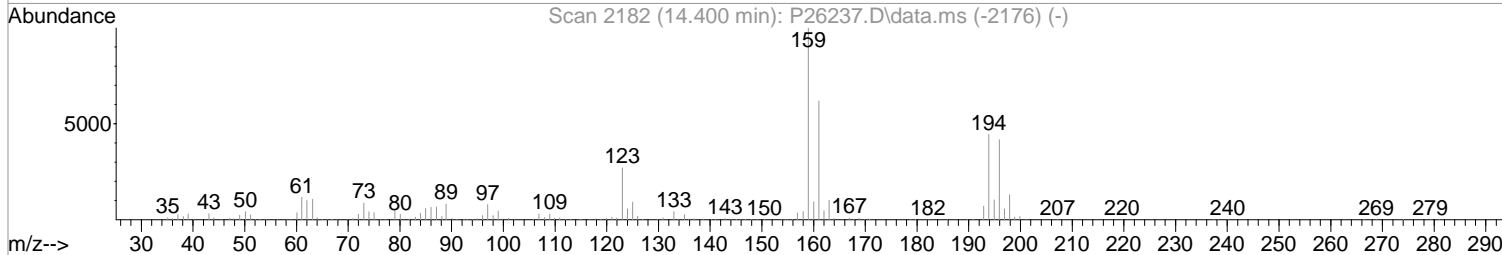
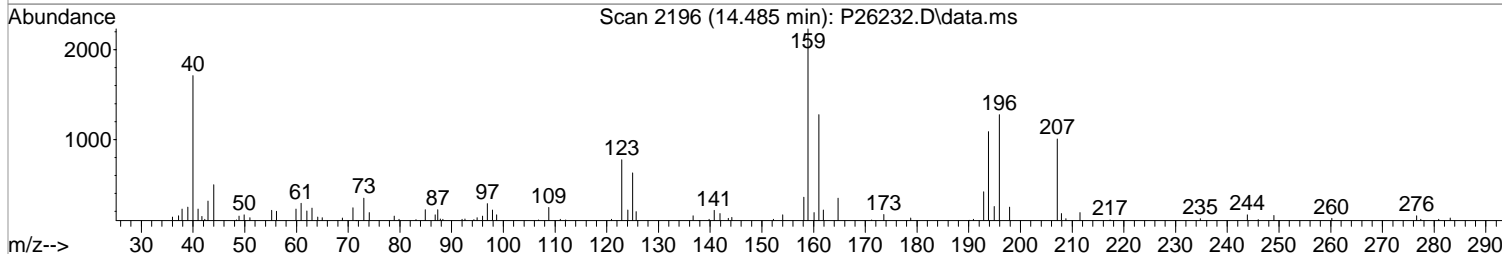
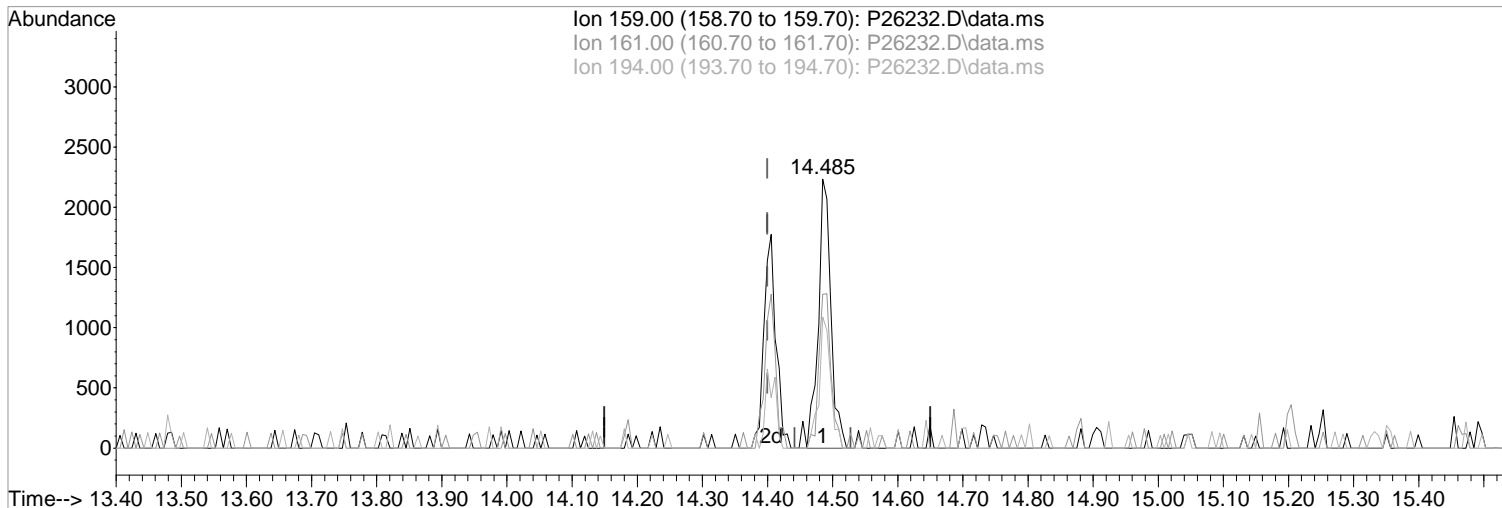
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	71.97
194.00	44.50	23.58#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(119) 2,4,5-Trichlorotolene
14.485min (+0.085) 0.69 ppb
response 3073

Manual Integration:
Before

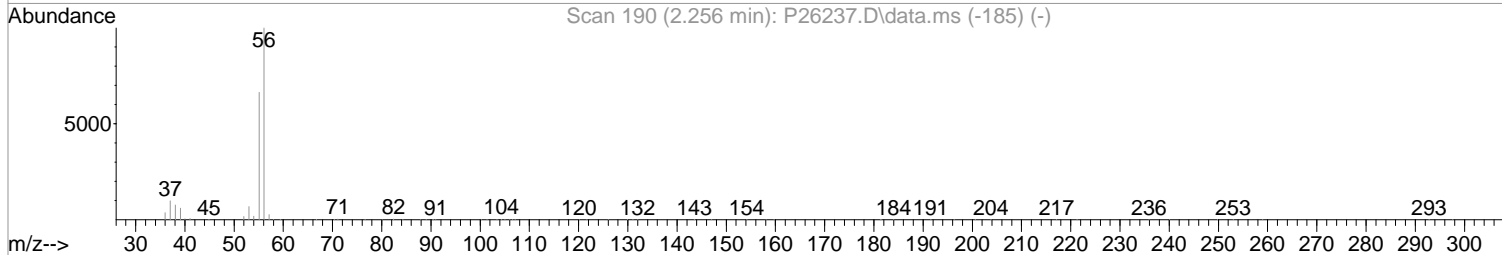
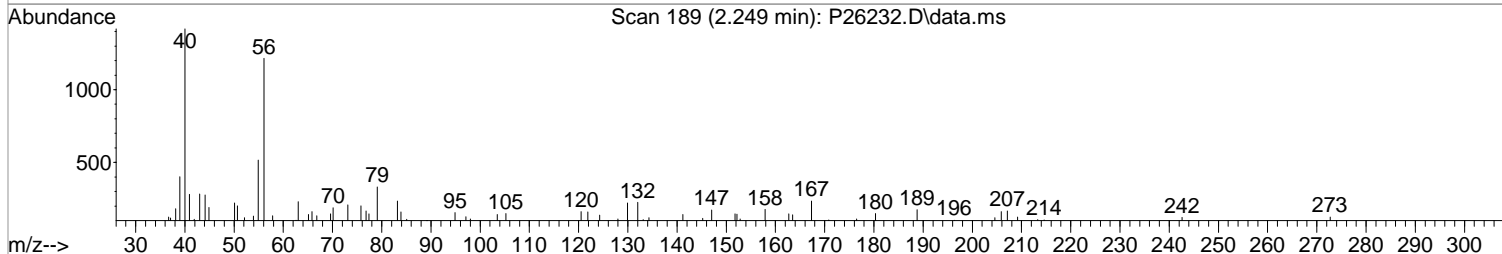
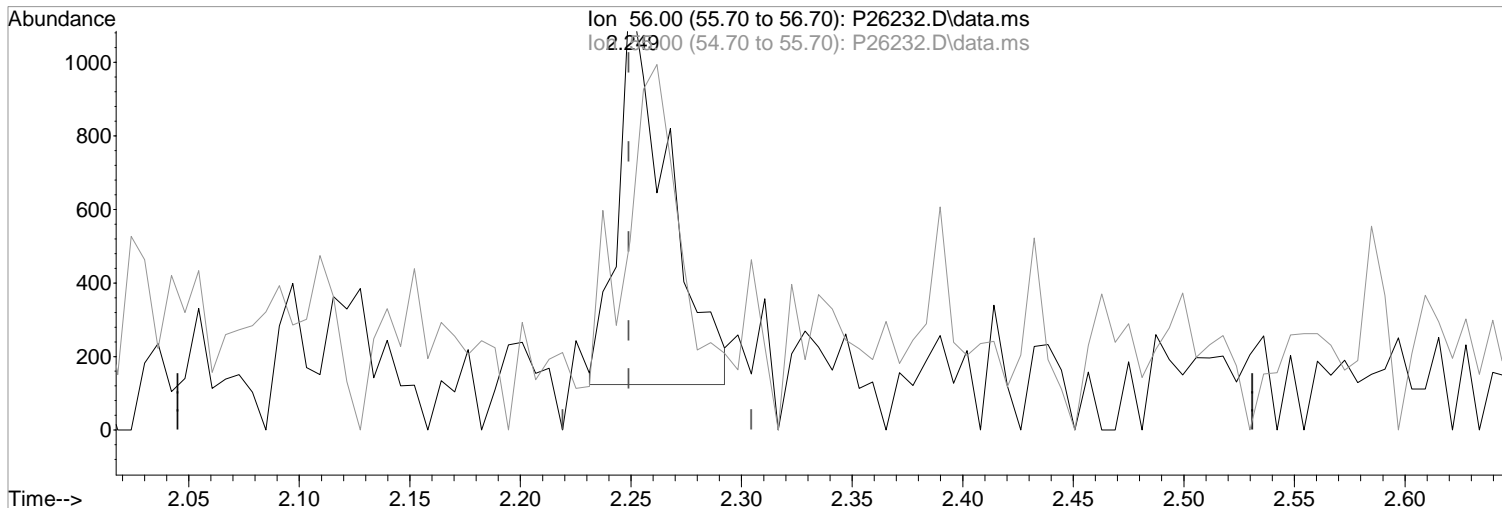
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.12
194.00	44.50	48.75
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein
2.249min (+0.000) 2.49 ppb m
response 1641

Manual Integration:

After

Poor integration.

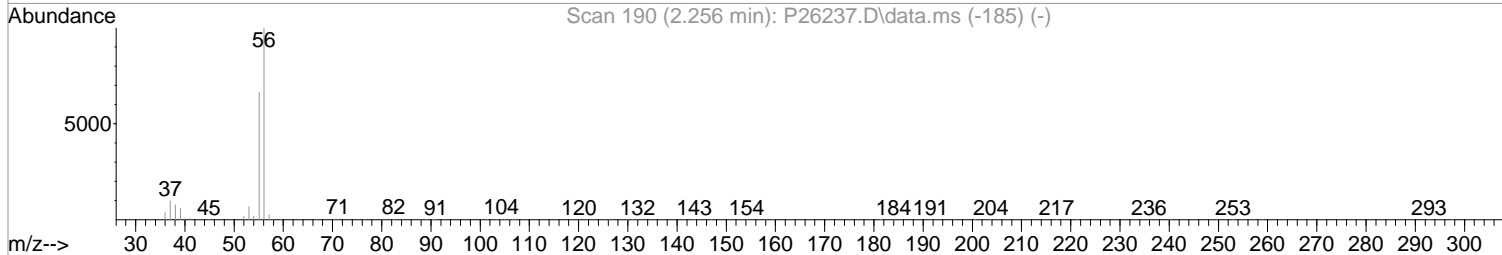
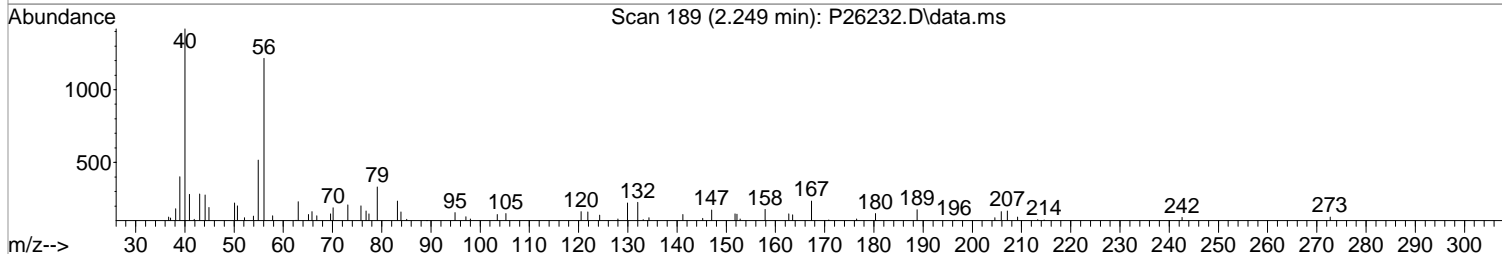
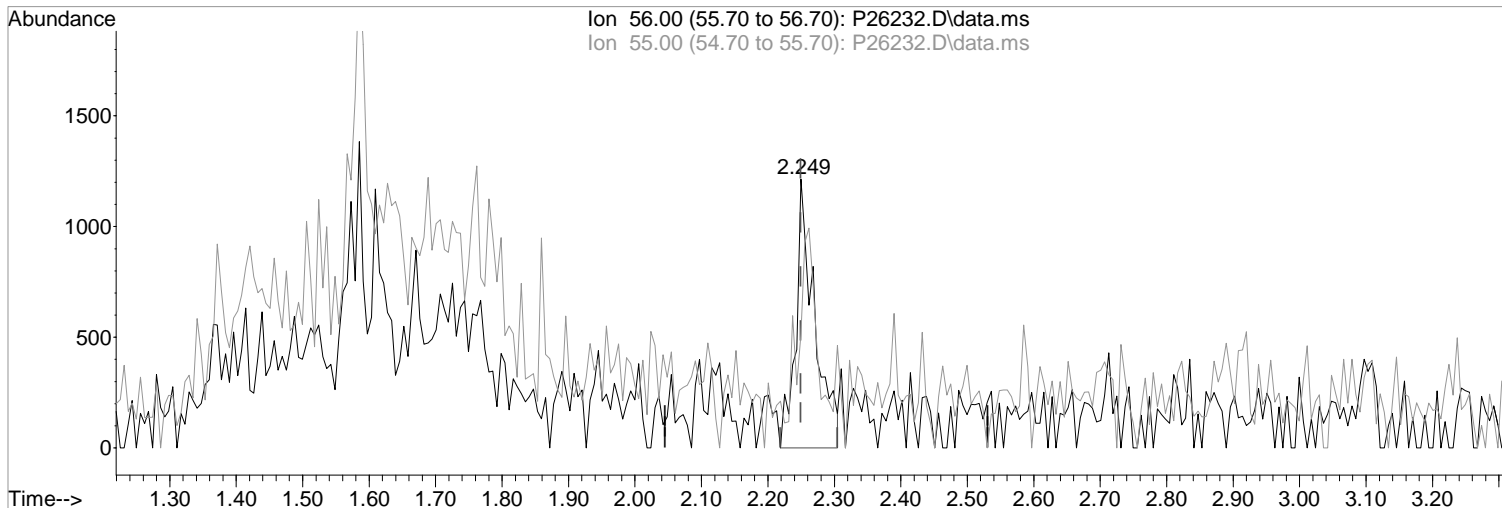
05/01/19

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(12) Acrolein

Manual Integration:

2.249min (+0.000) 3.63 ppb

Before

response 2390

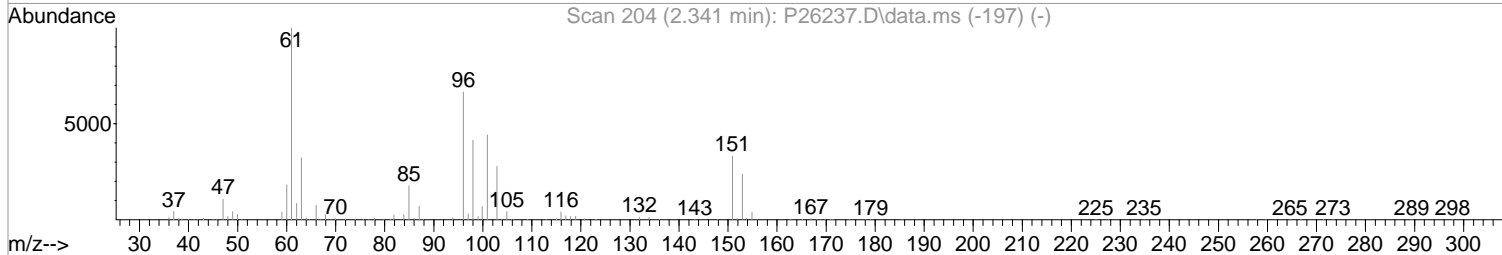
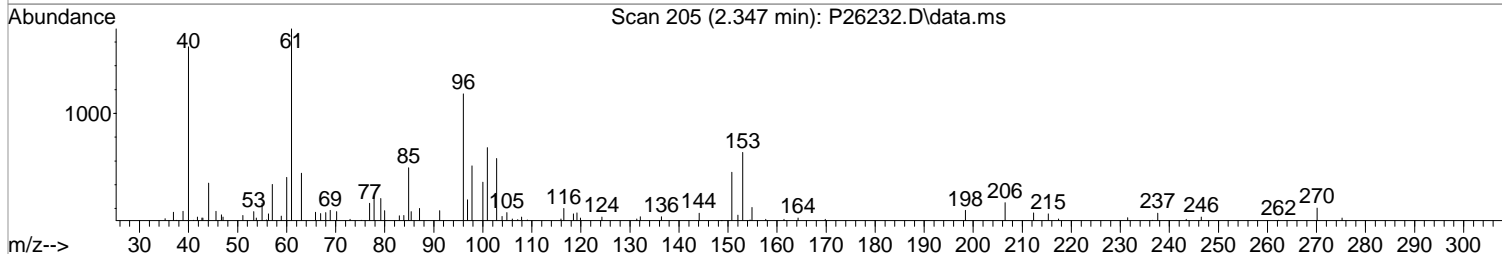
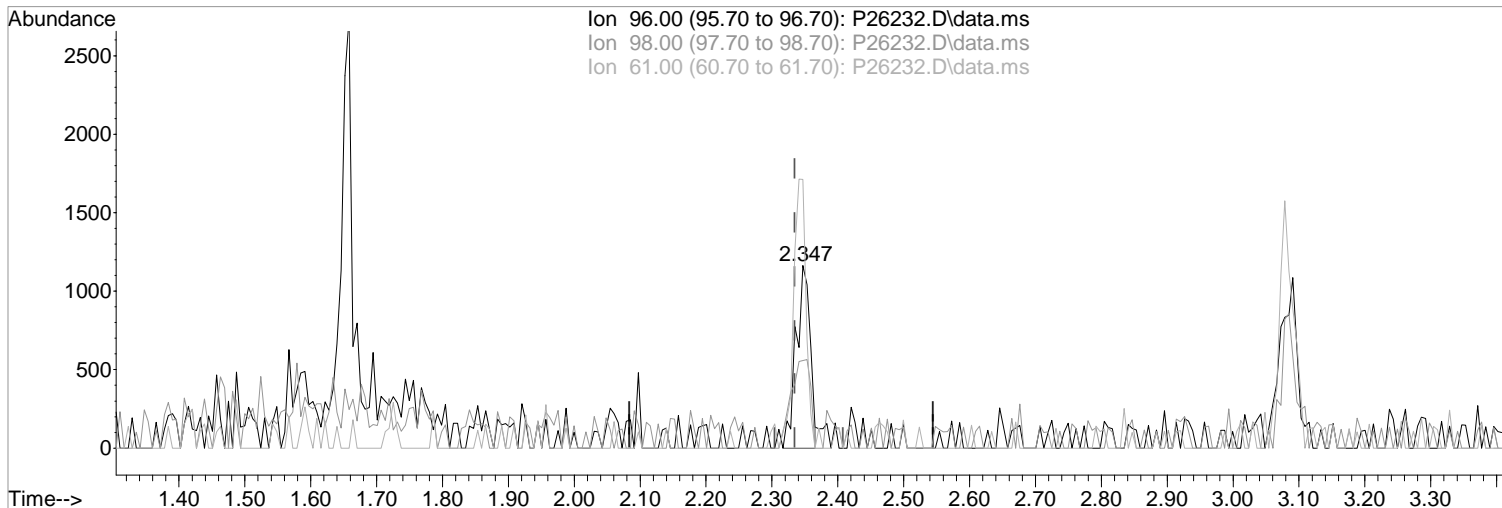
Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(13) 1,1-Dicethylene (P)

2.347min (+0.012) 0.56 ppb m

response 1716

Ion	Exp%	Act%
96.00	100	100
98.00	62.30	48.02
61.00	150.40	147.08
0.00	0.00	0.00

Manual Integration:

After

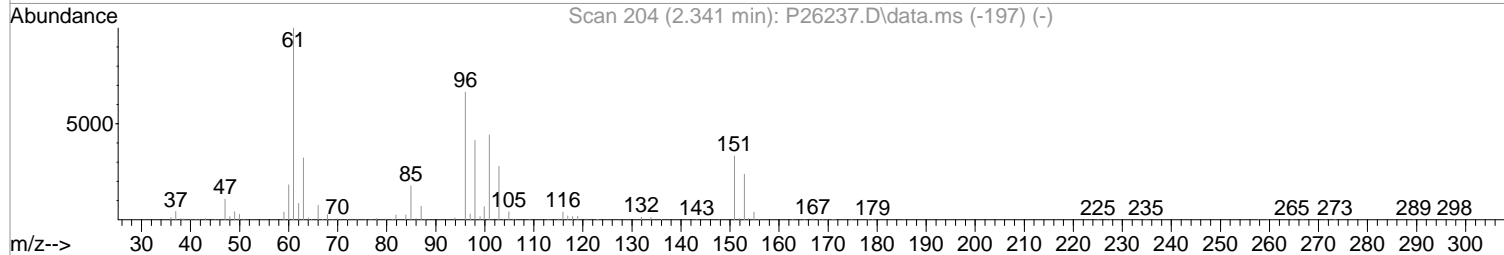
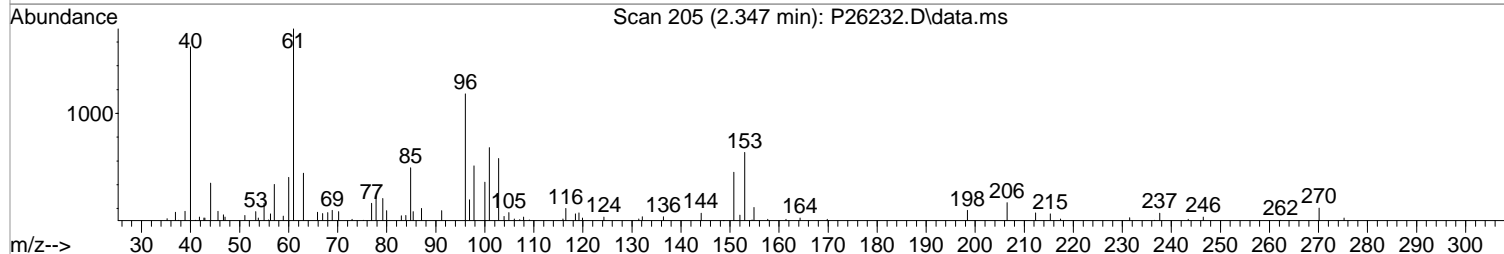
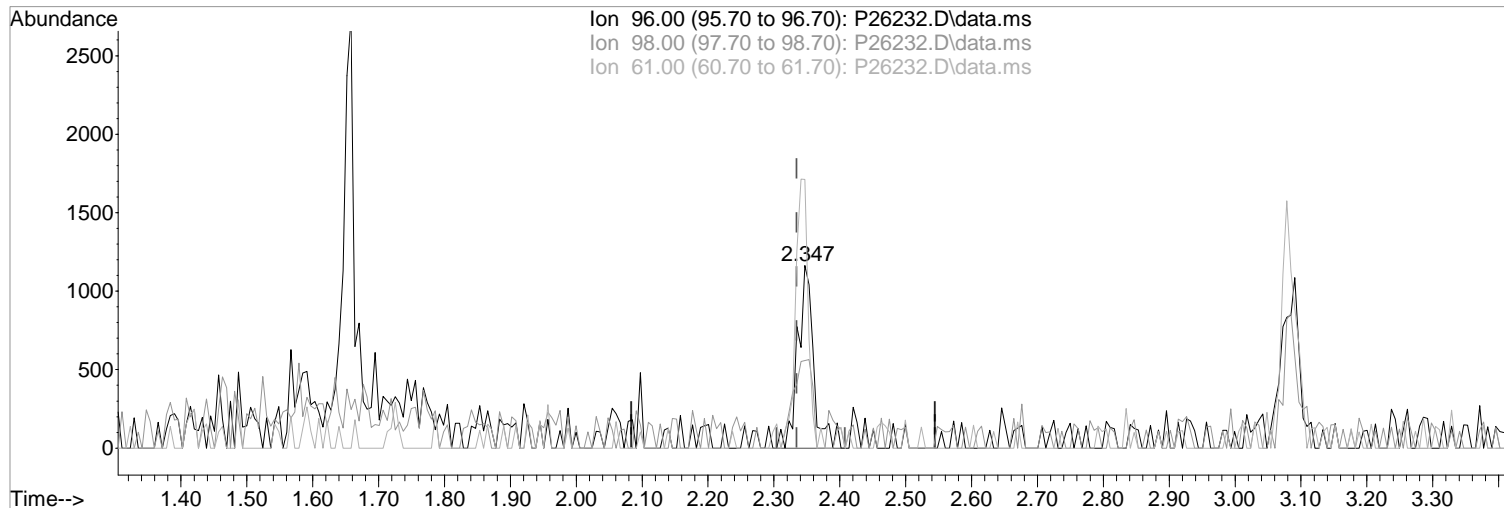
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(13) 1,1-Dicethylene (P)
2.347min (+0.012) 0.65 ppb
response 1967

Manual Integration:
Before

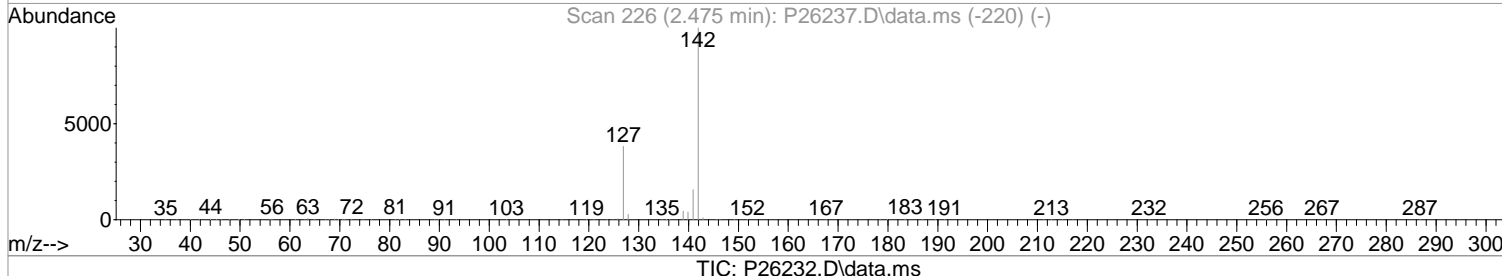
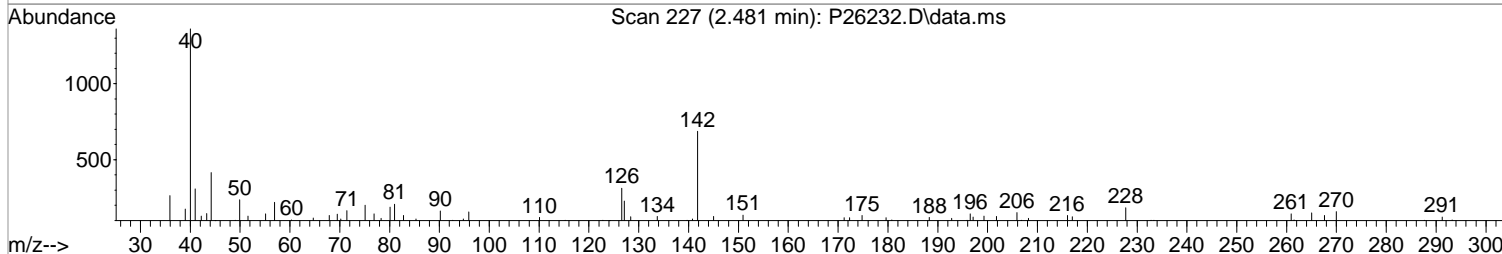
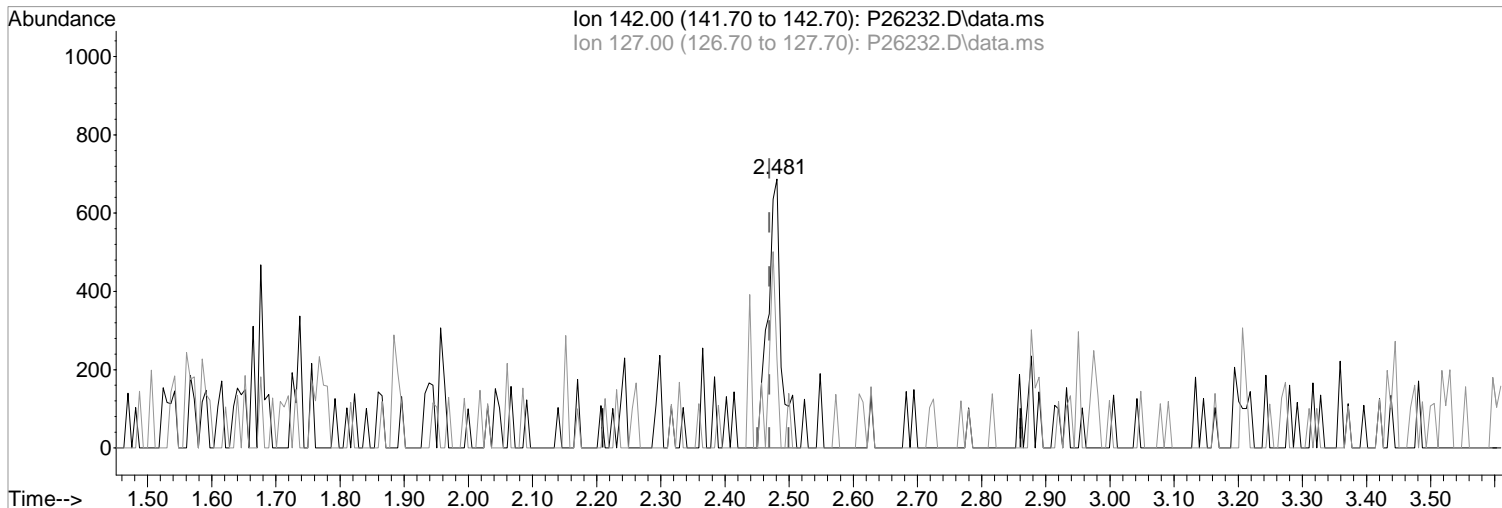
Ion	Exp%	Act%
96.00	100	100
98.00	62.30	48.02
61.00	150.40	147.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(17) Iodomethane
2.481min (+0.012) 0.29 ppb m
response 985

Manual Integration:
After
Poor integration.

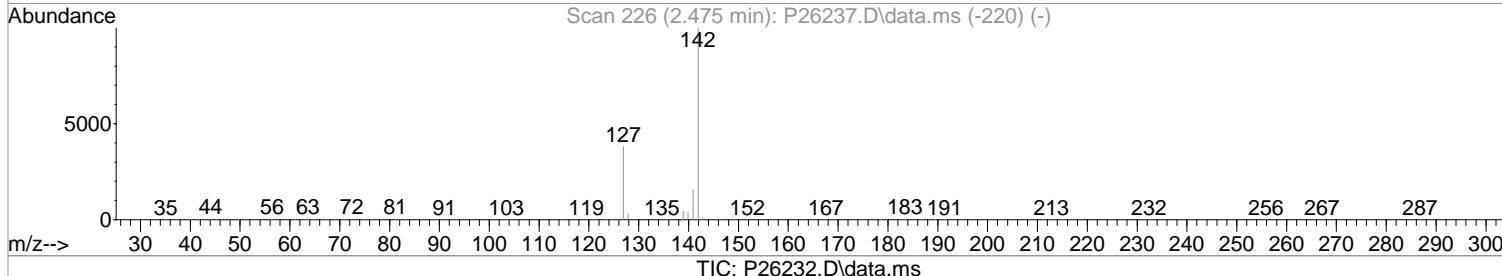
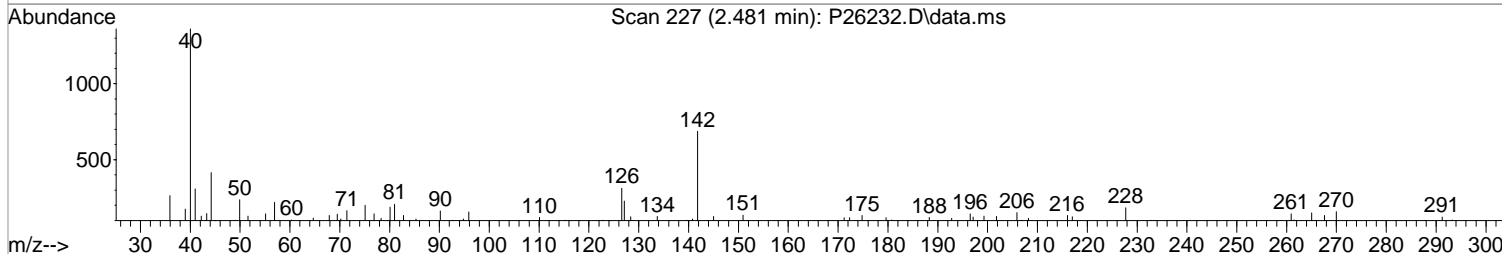
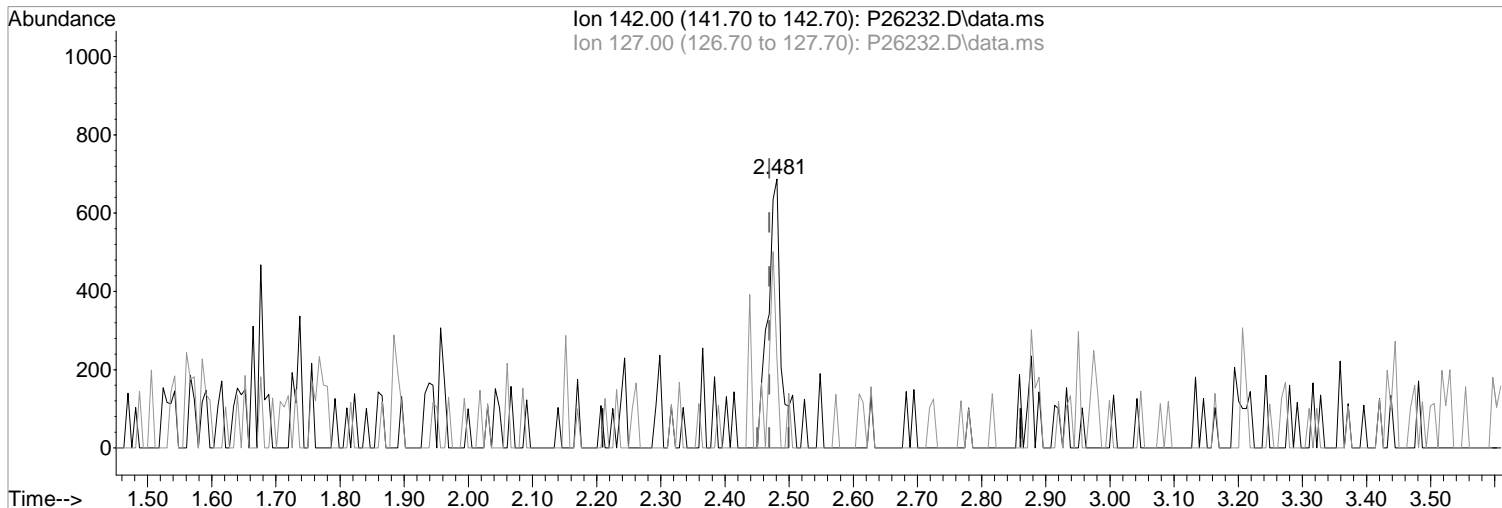
Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(17) Iodomethane
2.481min (+0.012) 0.28 ppb
response 936

Manual Integration:

Before

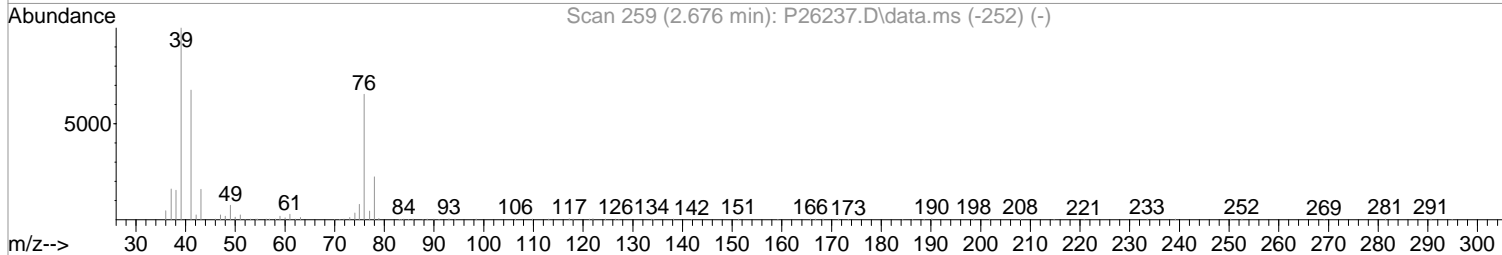
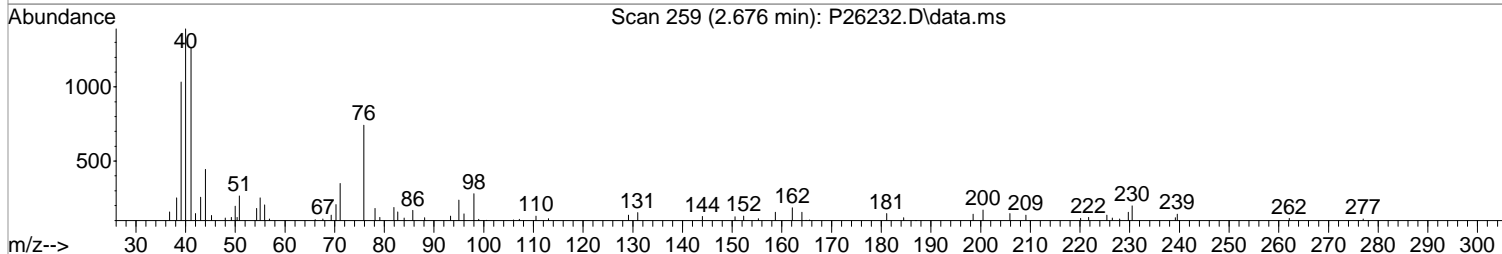
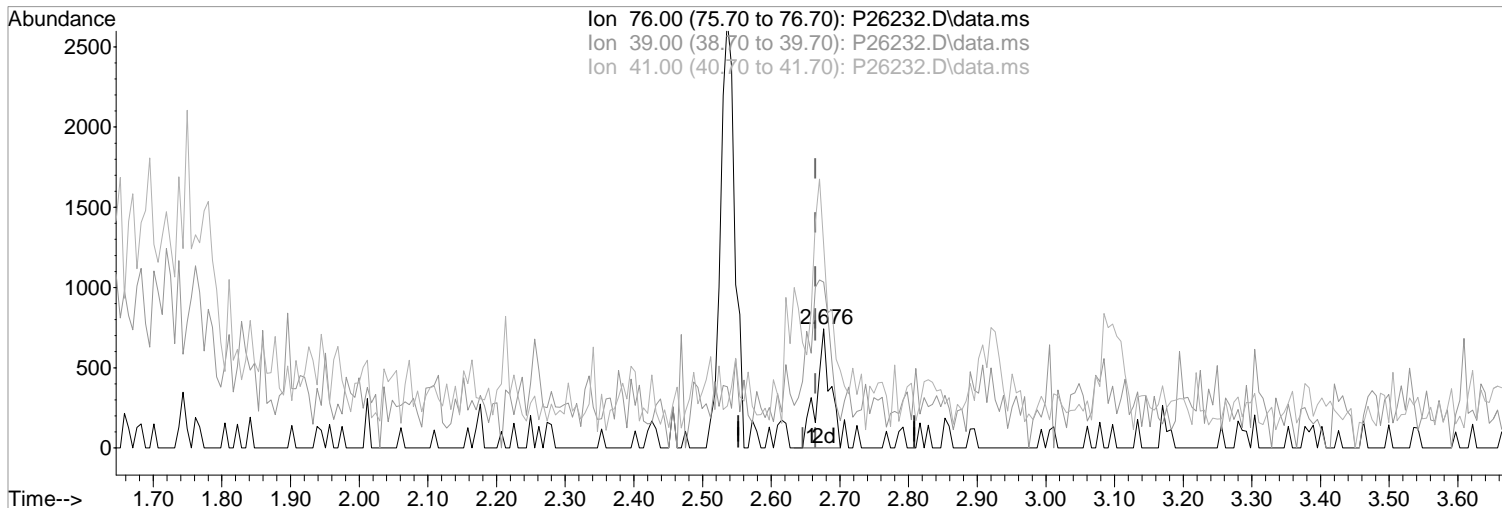
Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



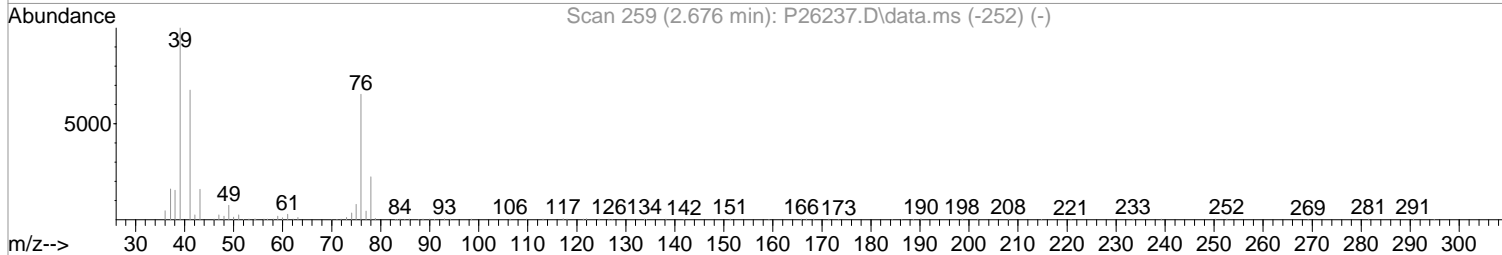
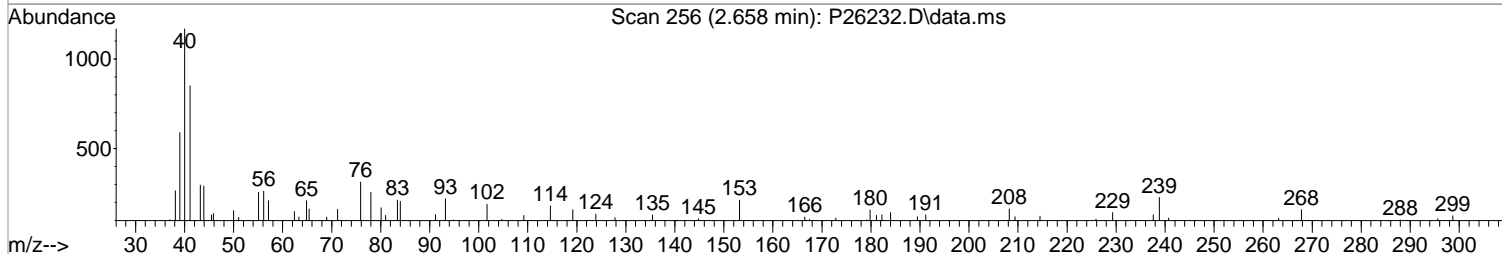
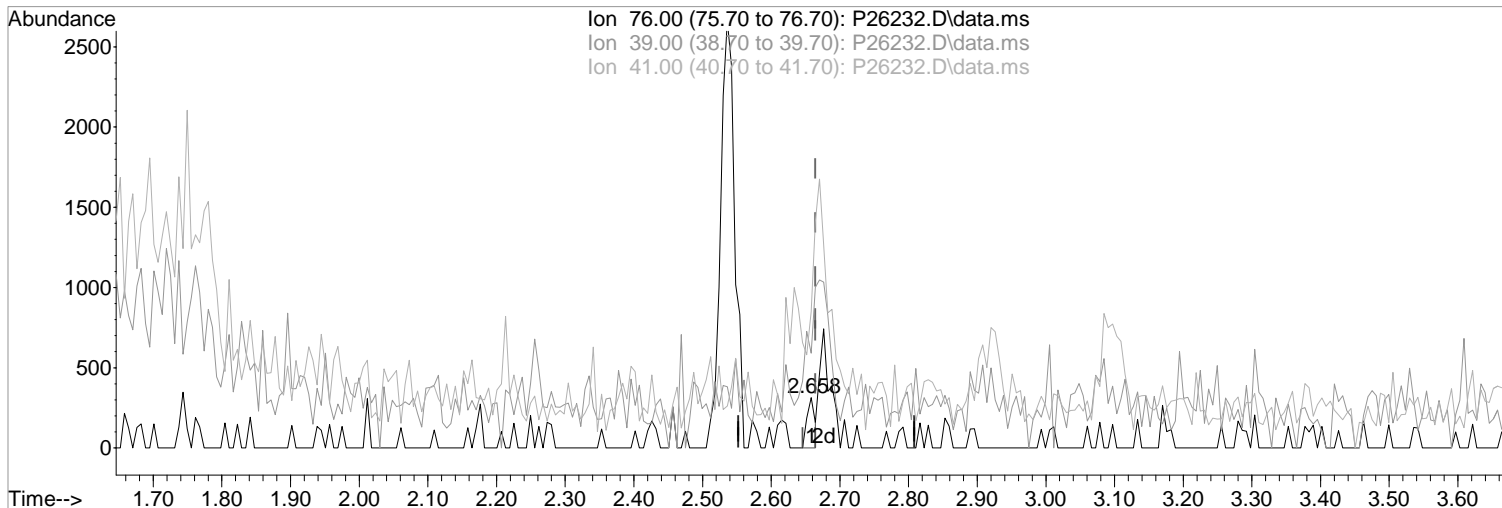
(20) Allyl Chloride
2.676min (+0.012) 0.65 ppb m
response 1042
Ion Exp% Act%
76.00 100 100
39.00 179.40 139.22#
41.00 248.40 170.49#
0.00 0.00 0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(20) Allyl Chloride
2.658min (-0.006) 0.15 ppb
response 240
Ion Exp% Act%
76.00 100 100
39.00 179.40 188.50
41.00 248.40 271.88#
0.00 0.00 0.00

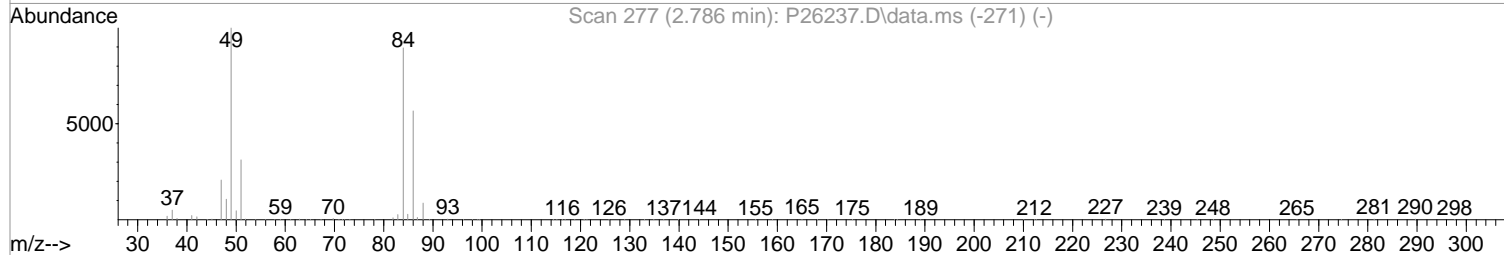
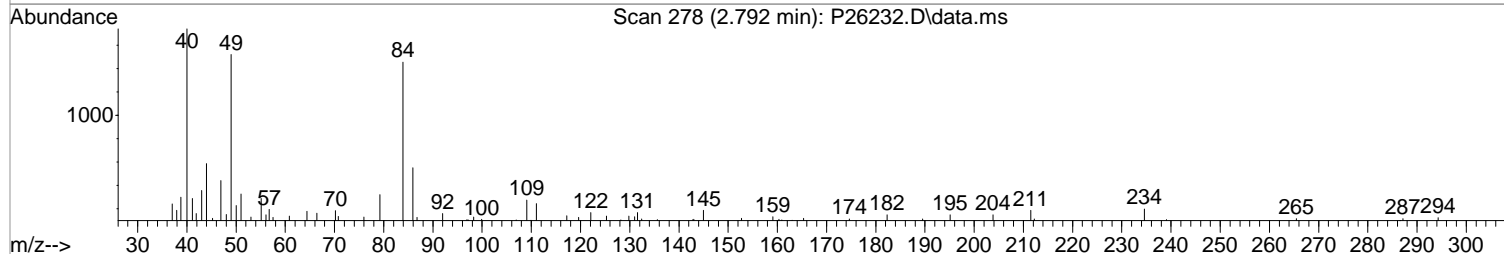
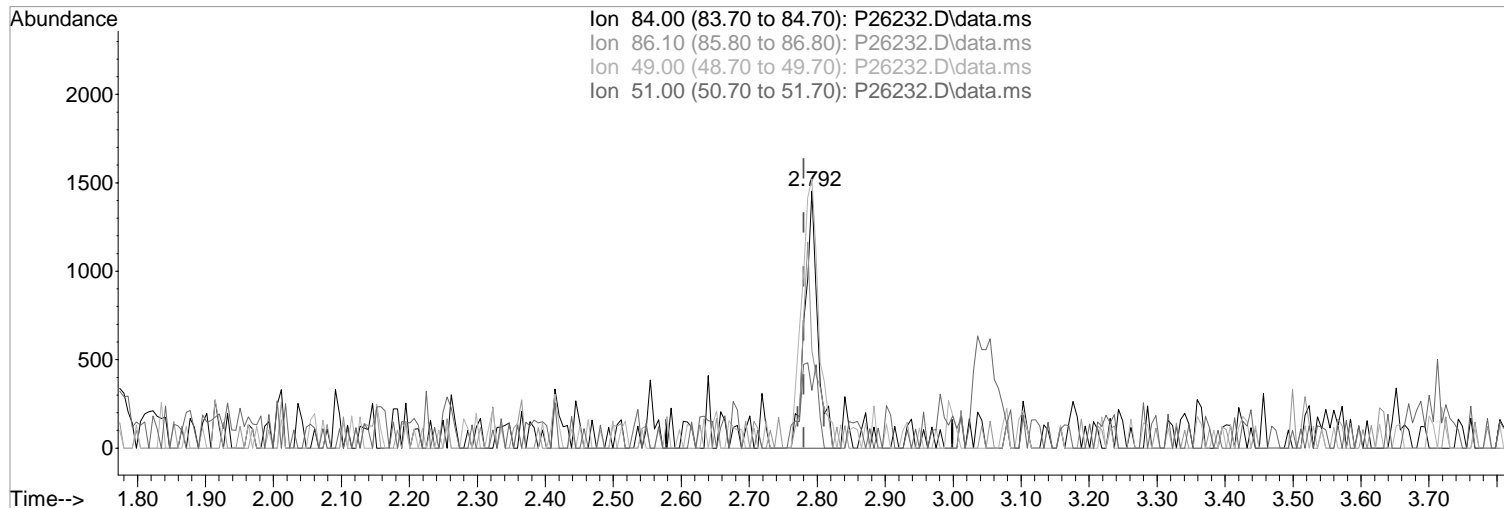
Manual Integration:
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(22) Methylene Chloride (P)
2.792min (+0.012) 0.56 ppb m
response 1891

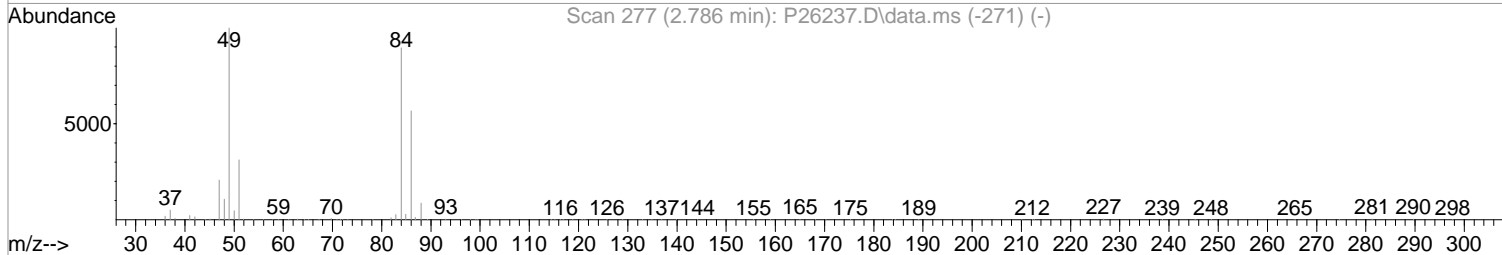
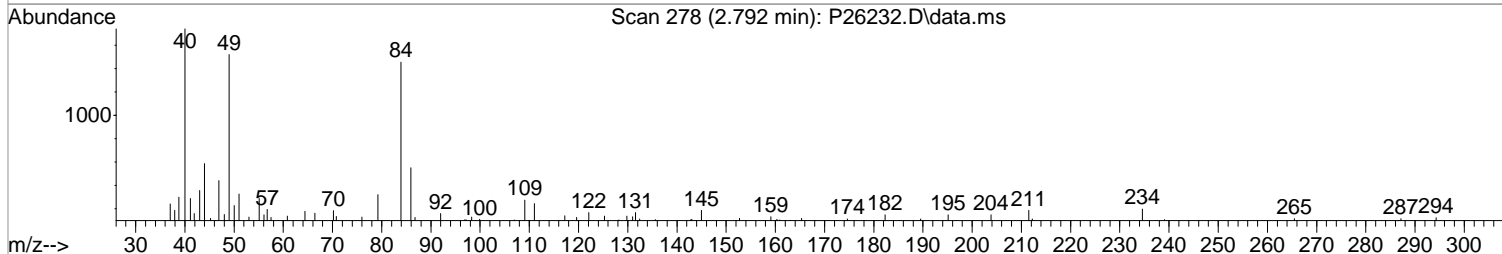
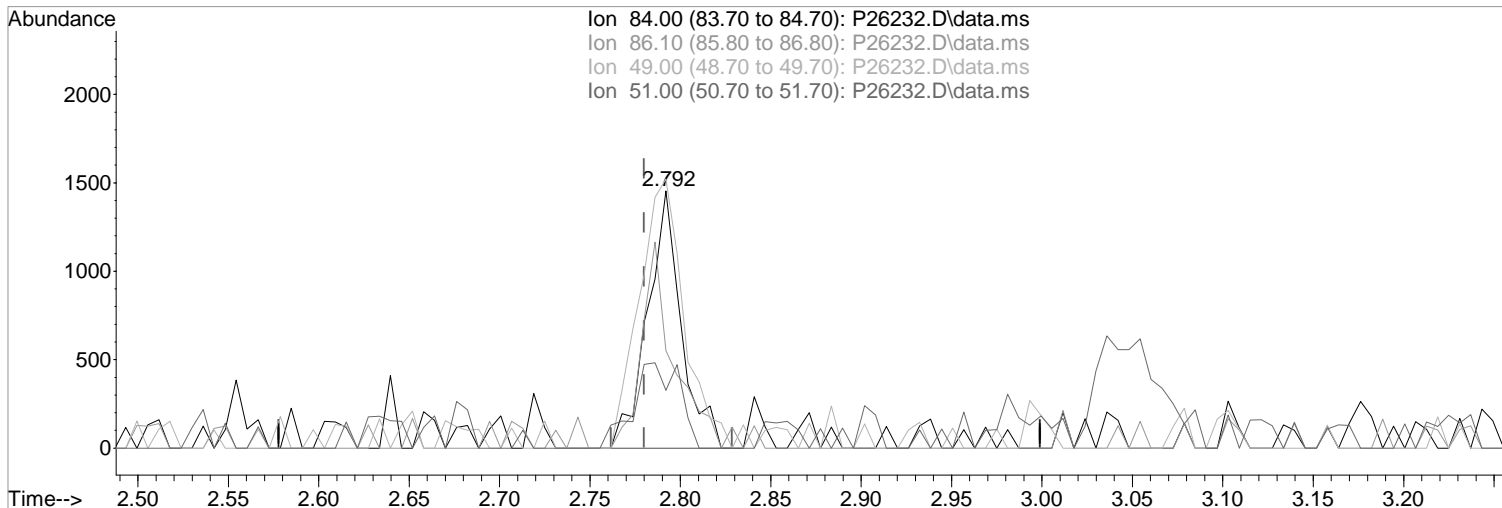
Manual Integration:
After
Other - del by mistake
05/01/19

Ion	Exp%	Act%
84.00	100	100
86.10	63.30	37.90#
49.00	112.00	104.61
51.00	34.80	22.42

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(22) Methylene Chloride (P)

Manual Integration:

2.792min (+0.012) 0.56 ppb

Before

response 1891

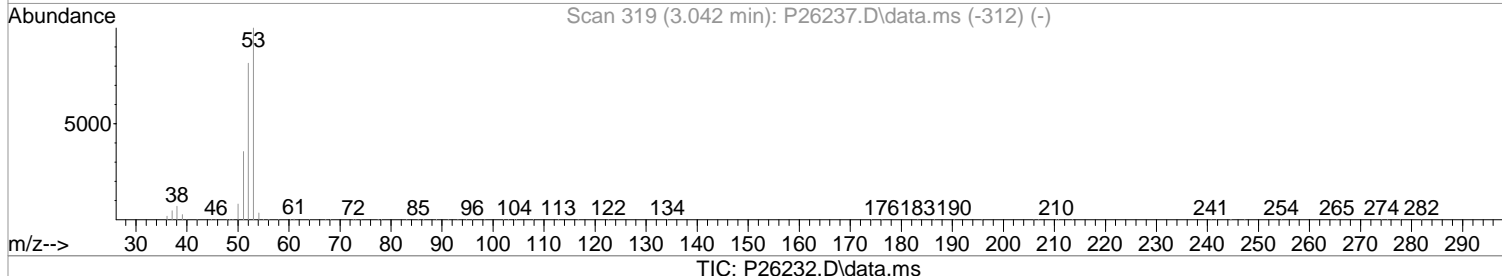
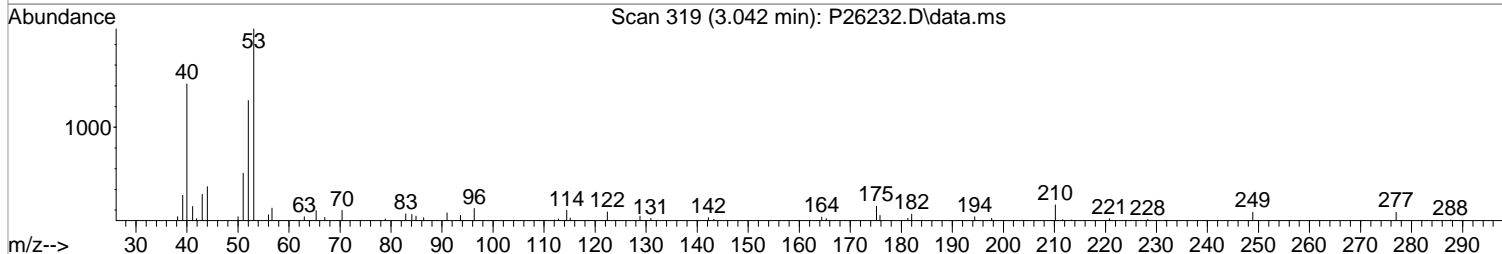
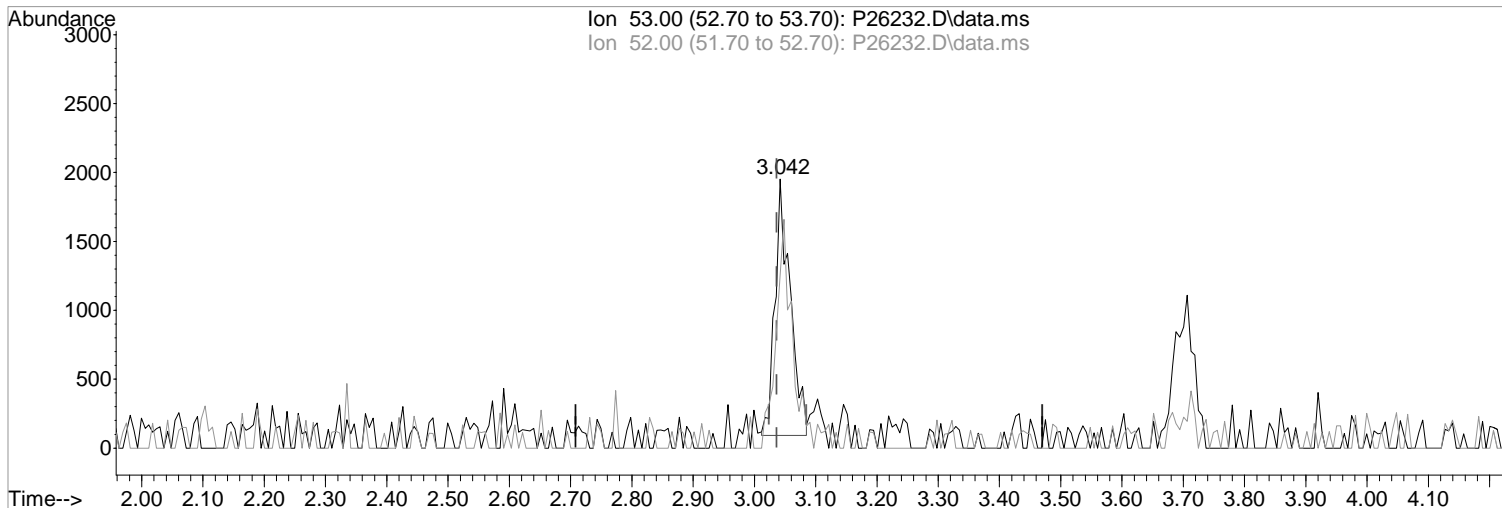
Ion	Exp%	Act%
84.00	100	100
86.10	63.30	46.70
49.00	112.00	104.61
51.00	34.80	22.42

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(24) Acrylonitrile
3.042min (+0.006) 2.02 ppb m
response 3216

Manual Integration:
After
Poor integration.

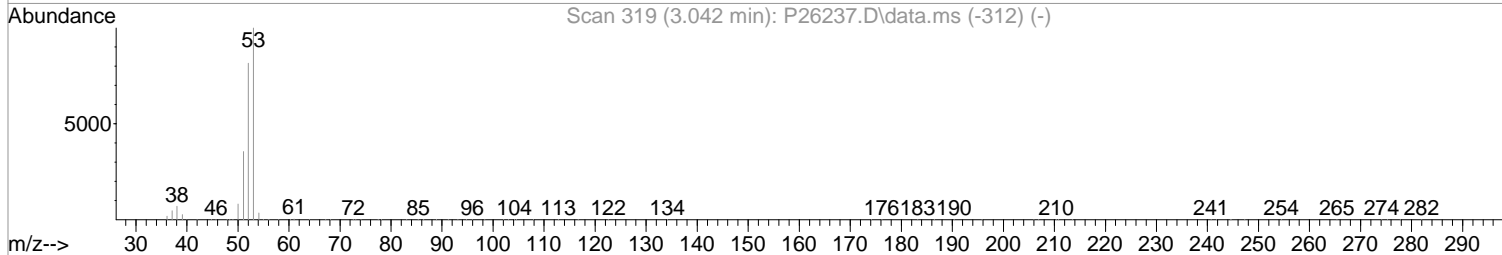
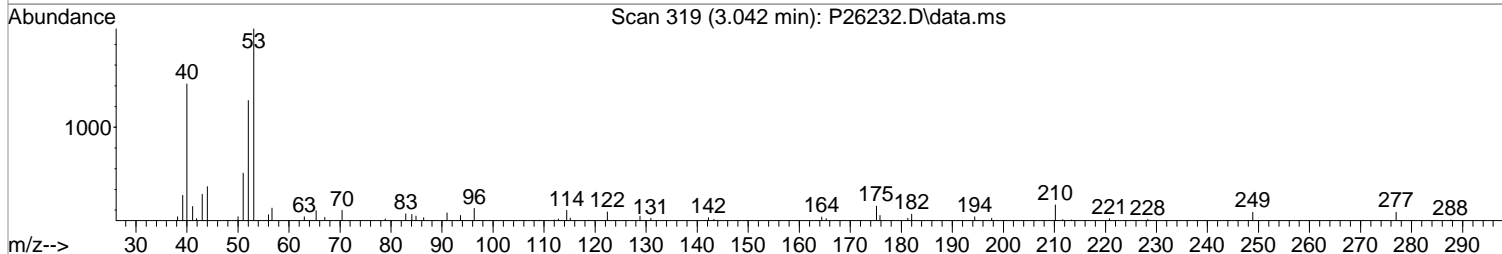
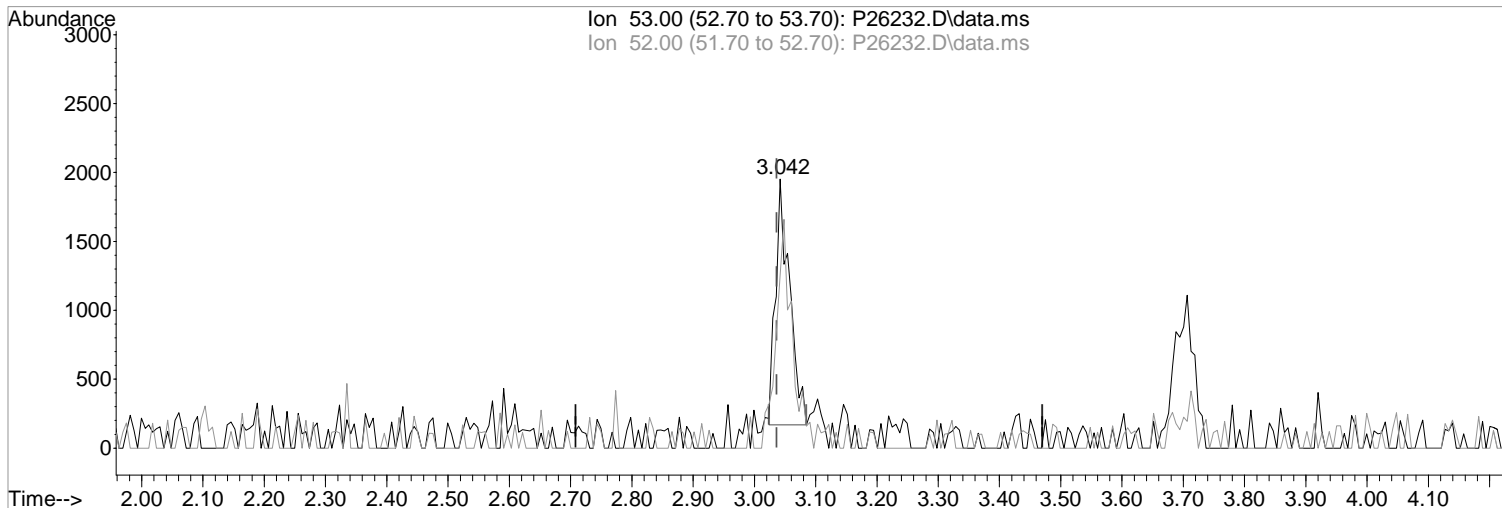
Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(24) Acrylonitrile
3.042min (+0.006) 1.78 ppb
response 2847

Manual Integration:
Before

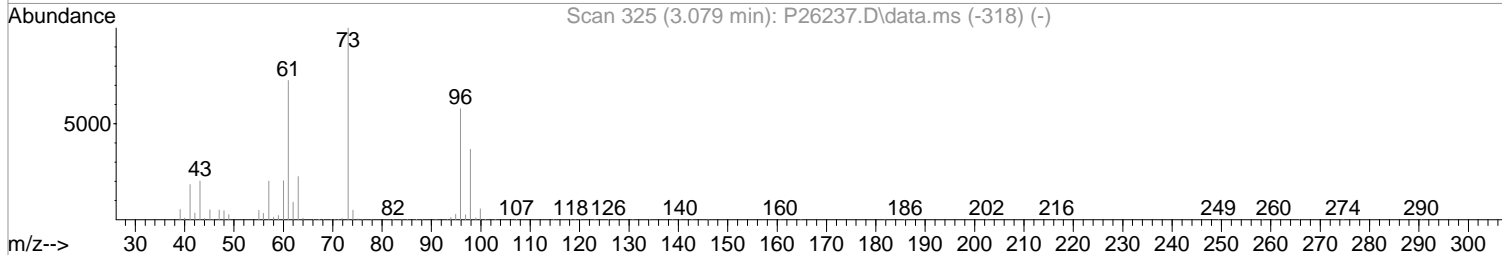
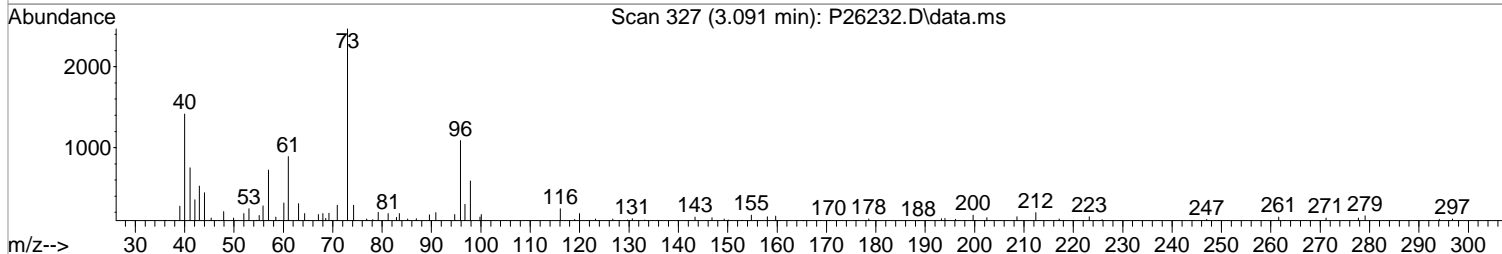
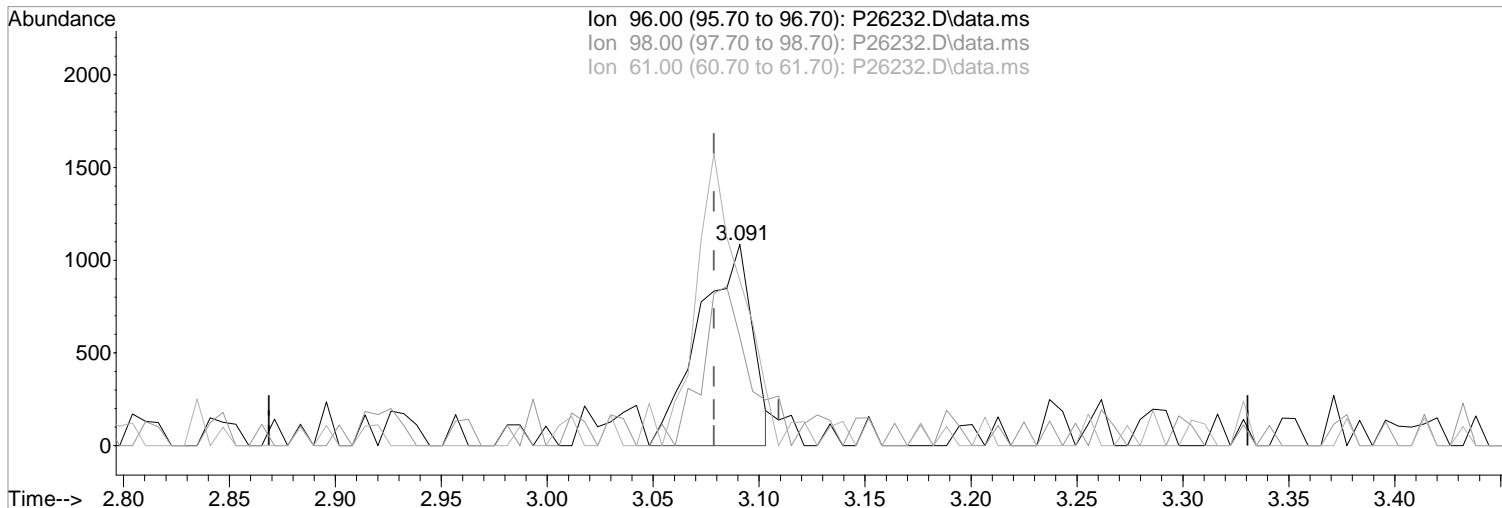
Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.091min (+0.012) 0.57 ppb m

response 1895

Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

Manual Integration:

After

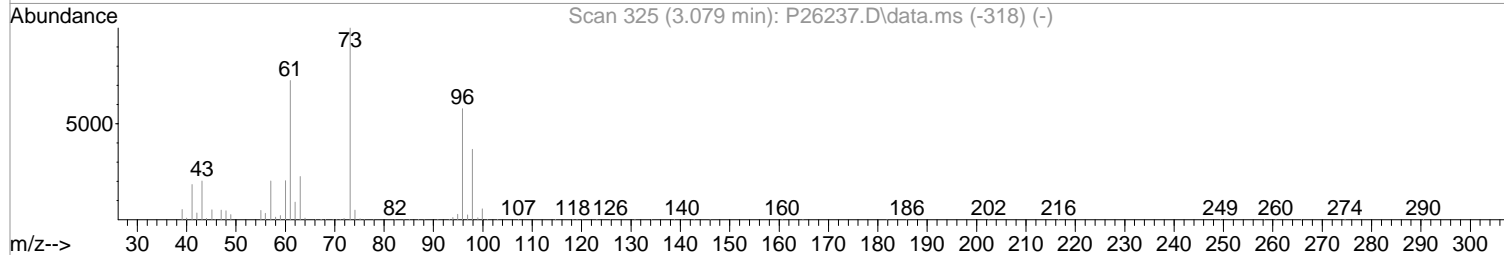
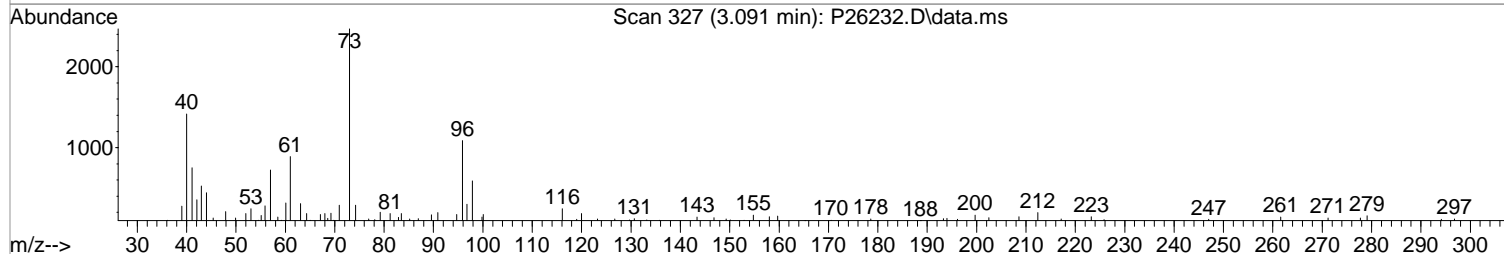
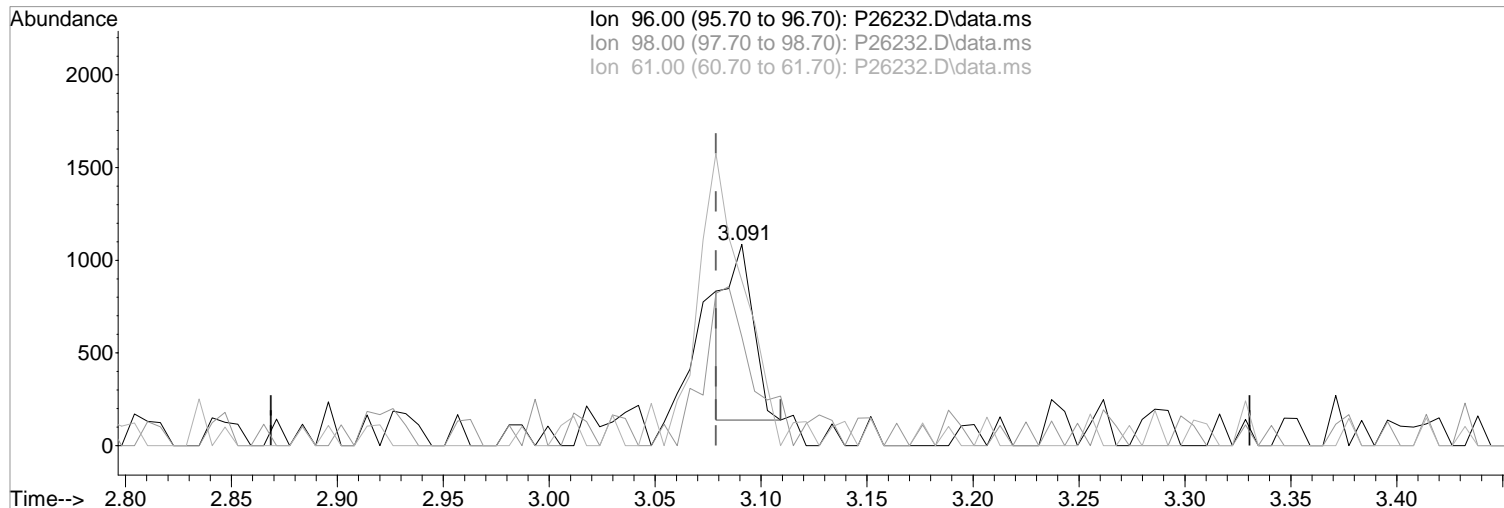
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.091min (+0.012) 0.24 ppb

Before

response 804

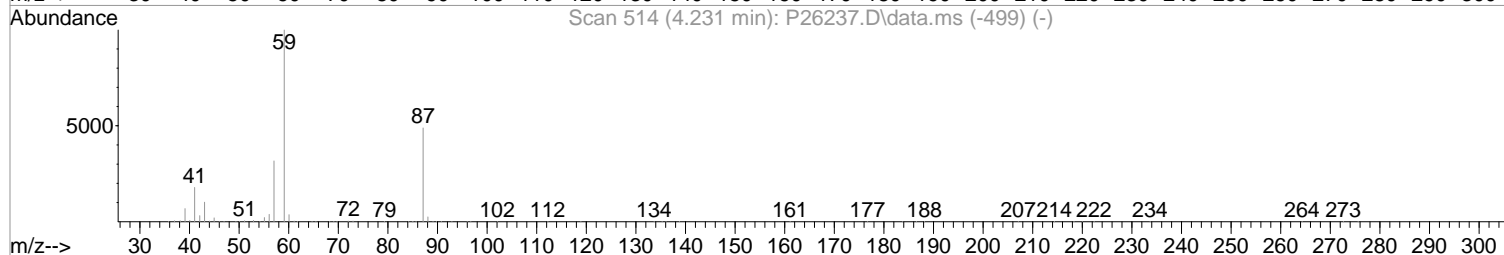
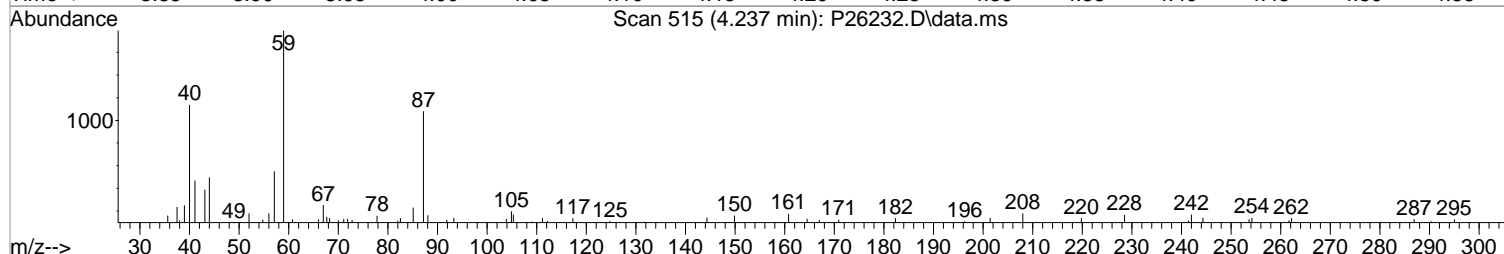
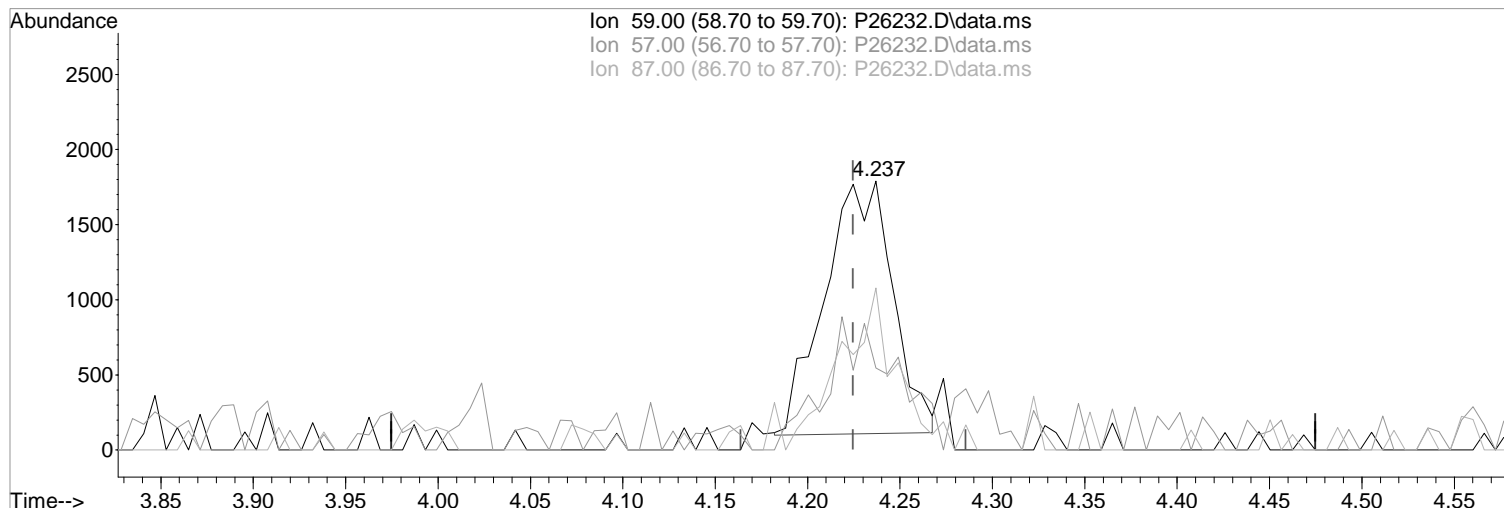
Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(32) ETBE

4.237min (+0.012) 0.46 ppb m

response 4310

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

After

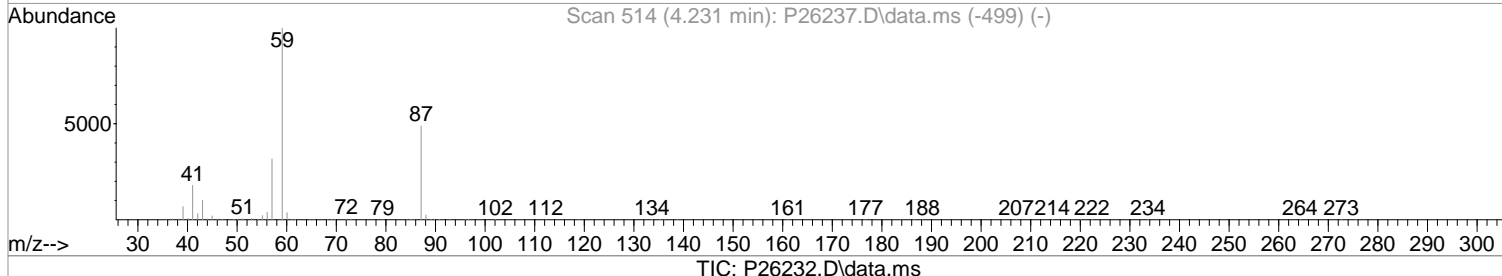
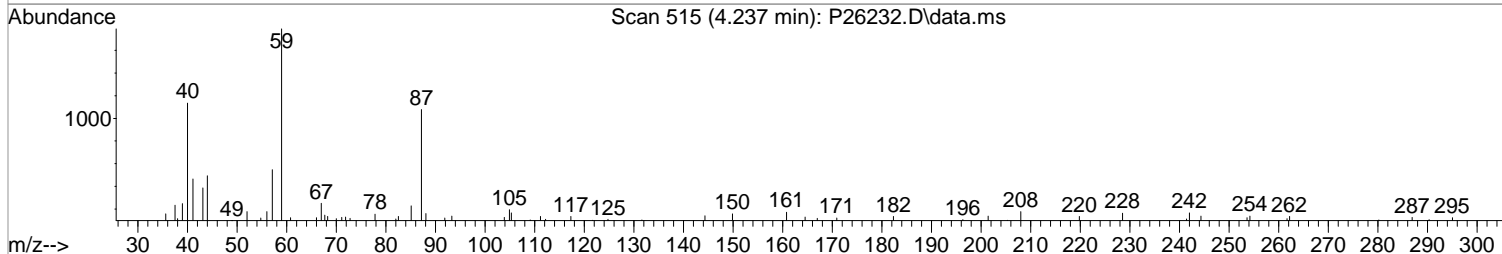
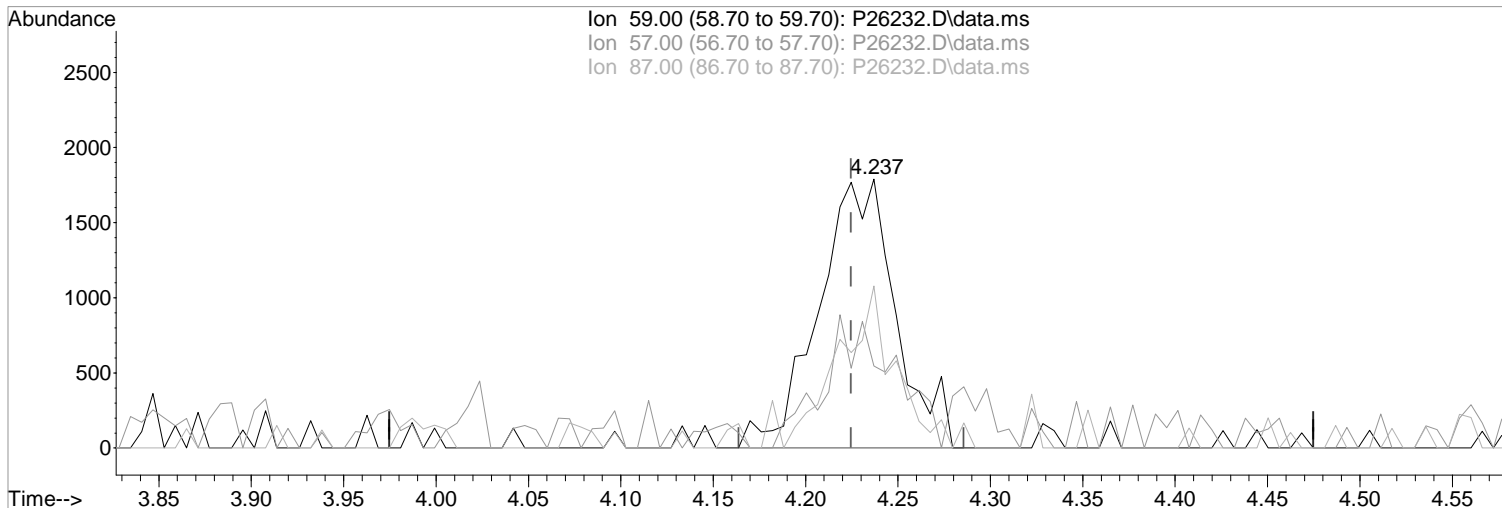
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(32) ETBE

4.237min (+0.012) 0.55 ppb

response 5183

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

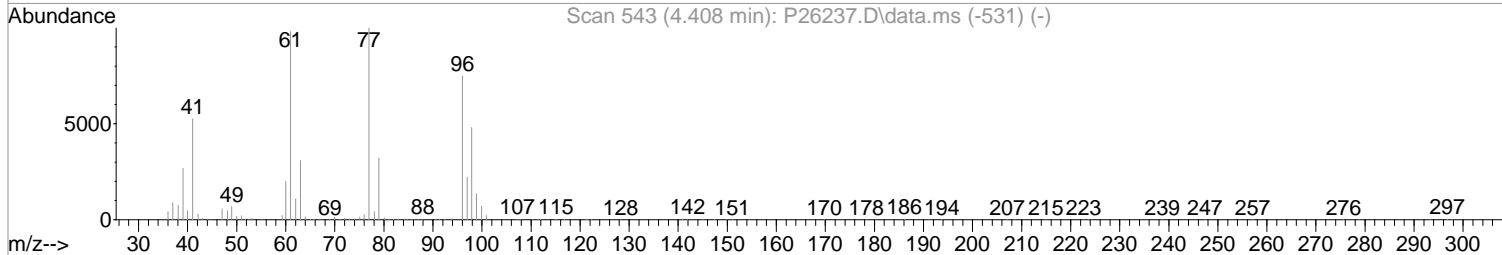
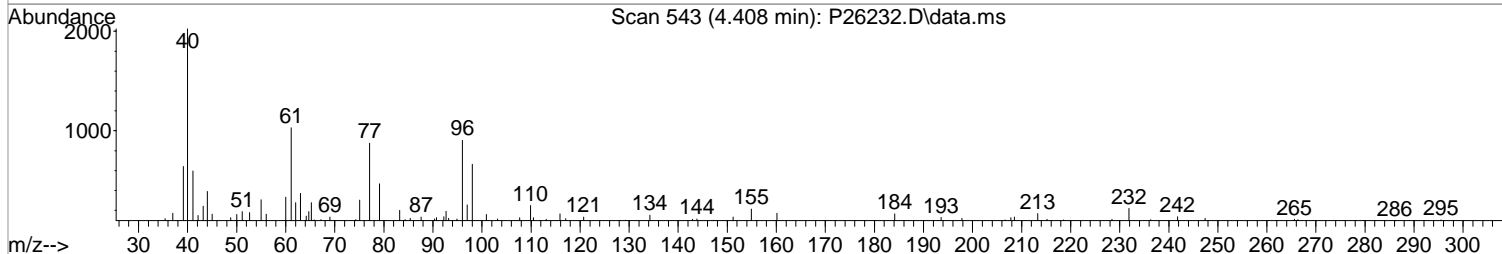
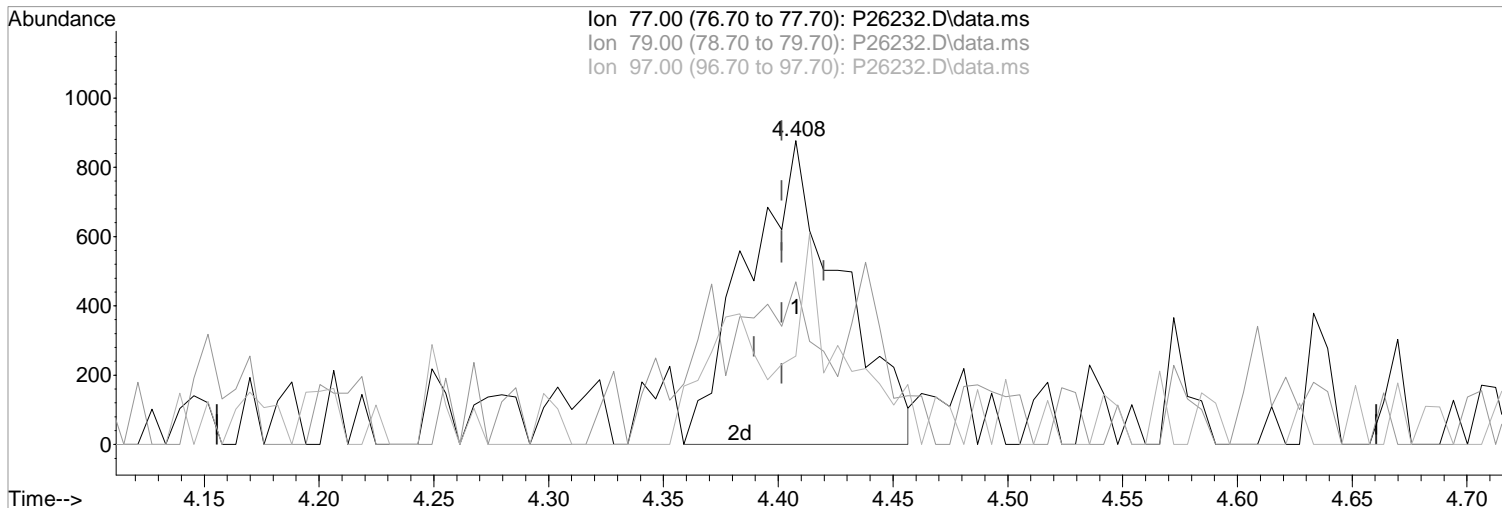
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(33) 2,2-Dichloropropane
4.408min (+0.006) 0.50 ppb m
response 2501

Manual Integration:
After
Poor integration.

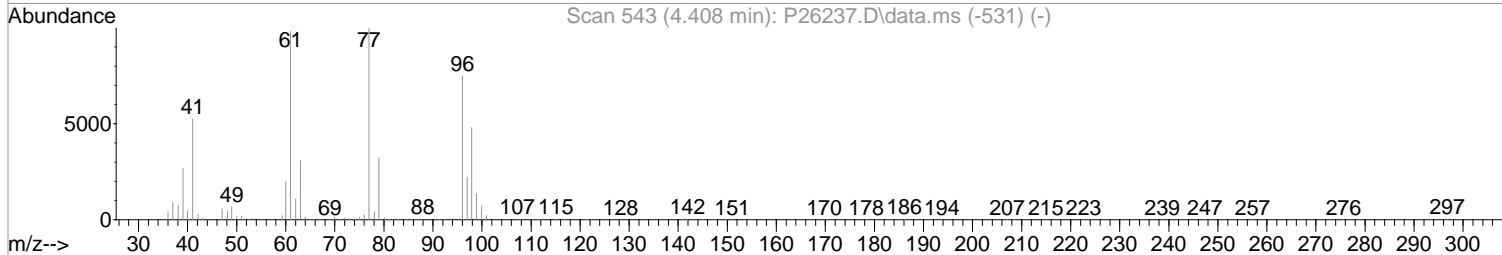
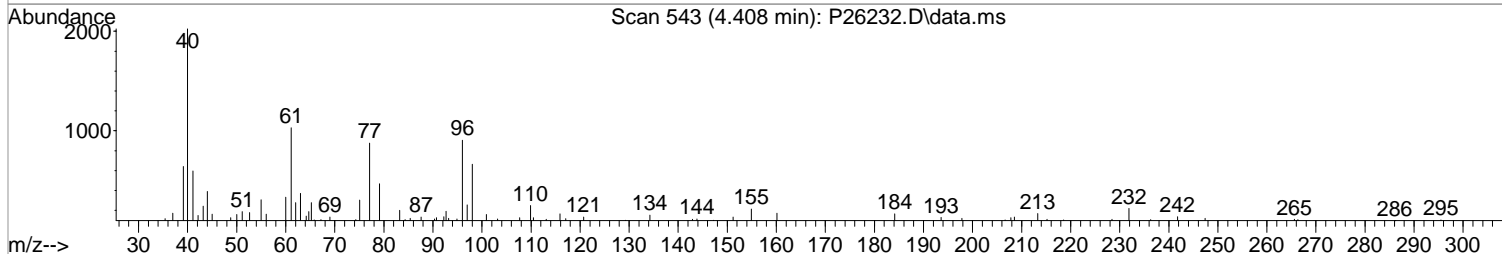
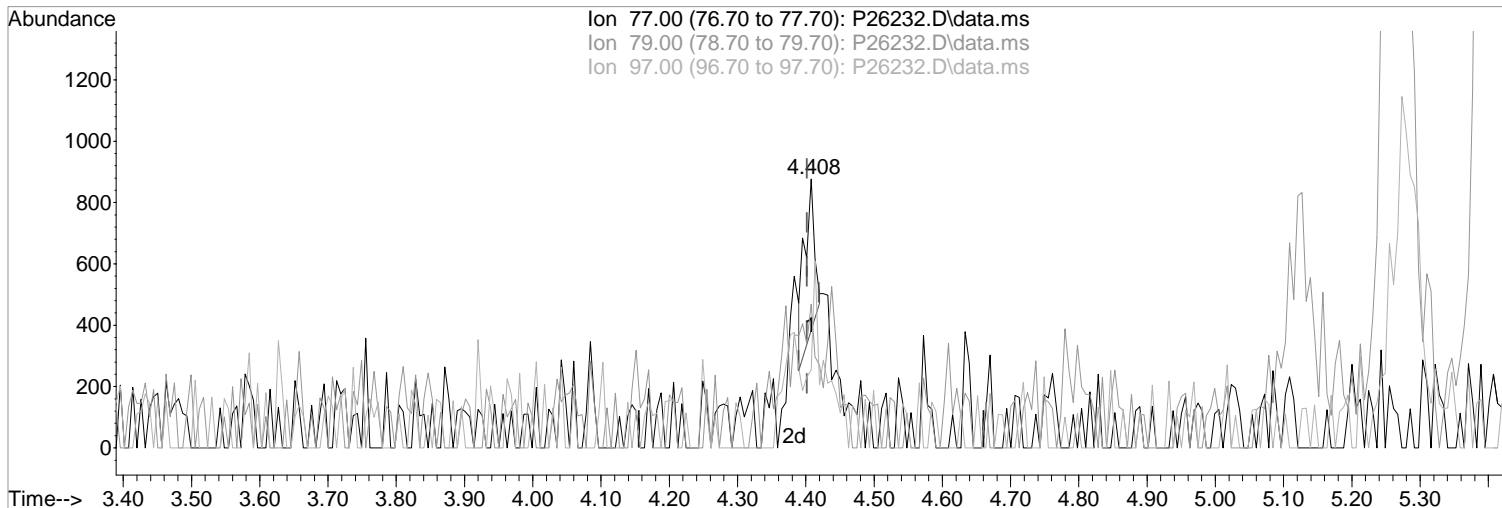
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(33) 2,2-Dichloropropane
4.408min (+0.006) 0.11 ppb
response 546

Manual Integration:
Before

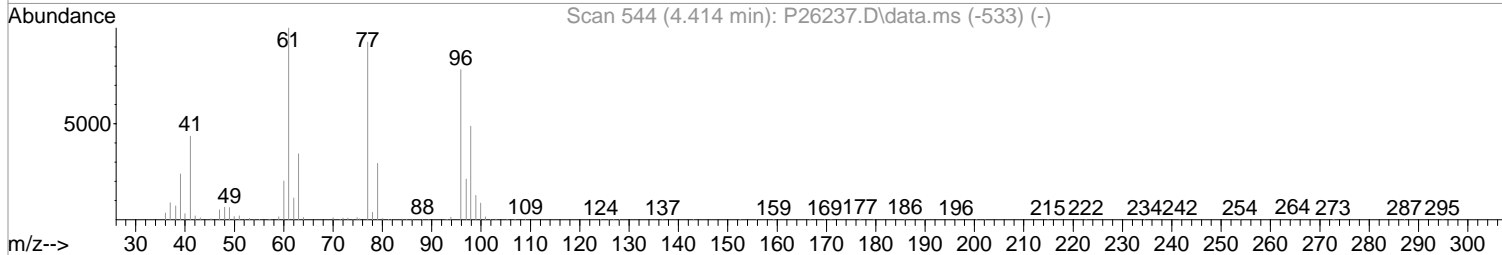
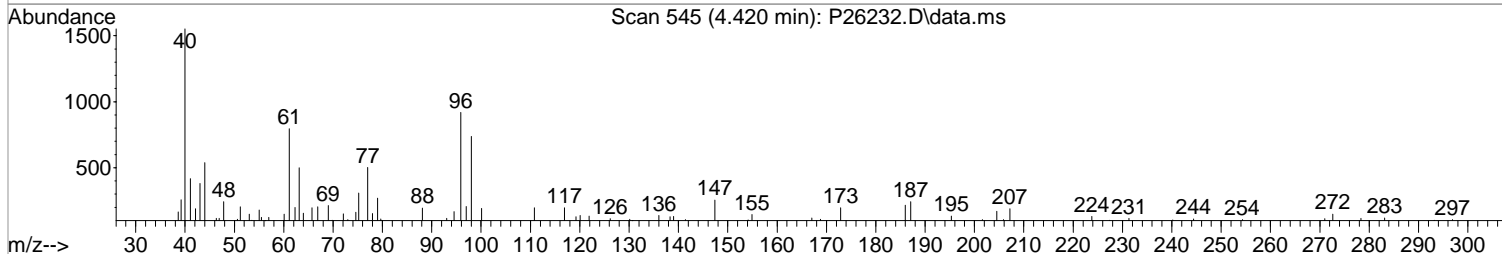
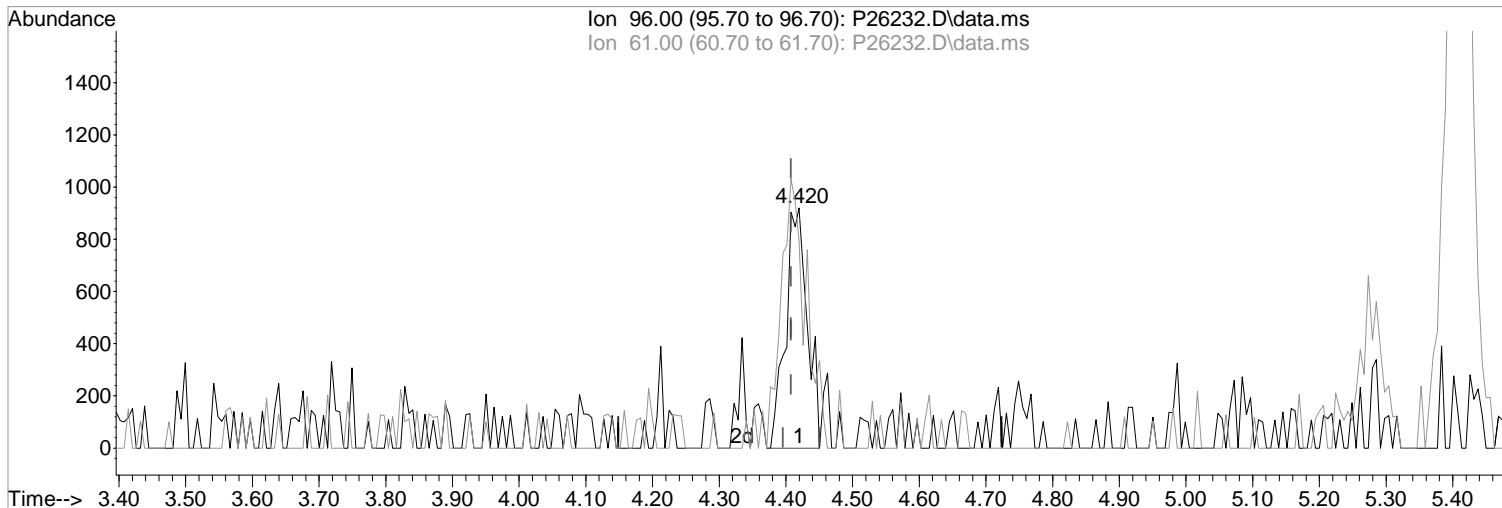
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.53 ppb m
response 2083

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

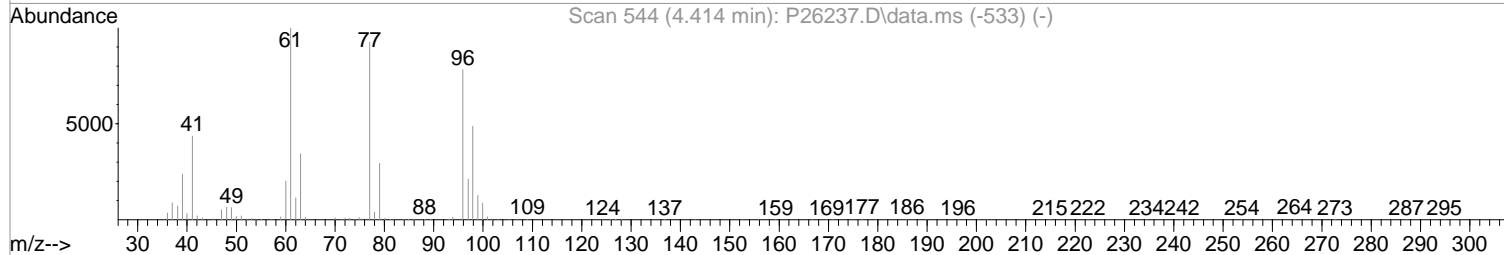
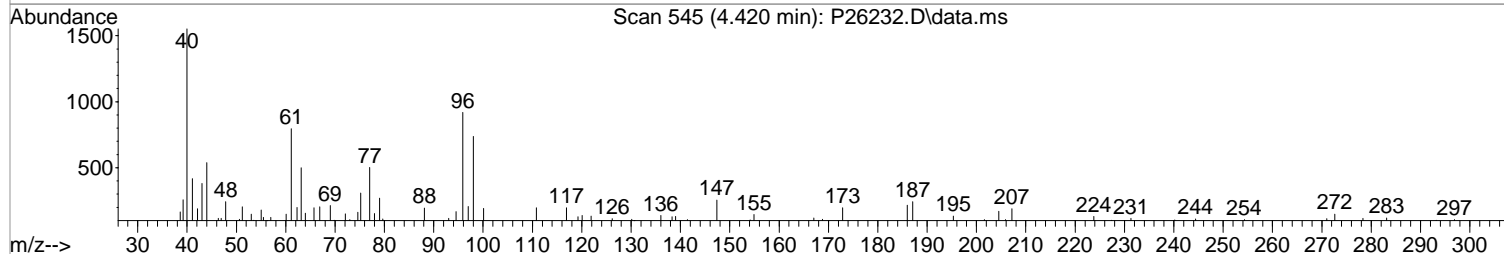
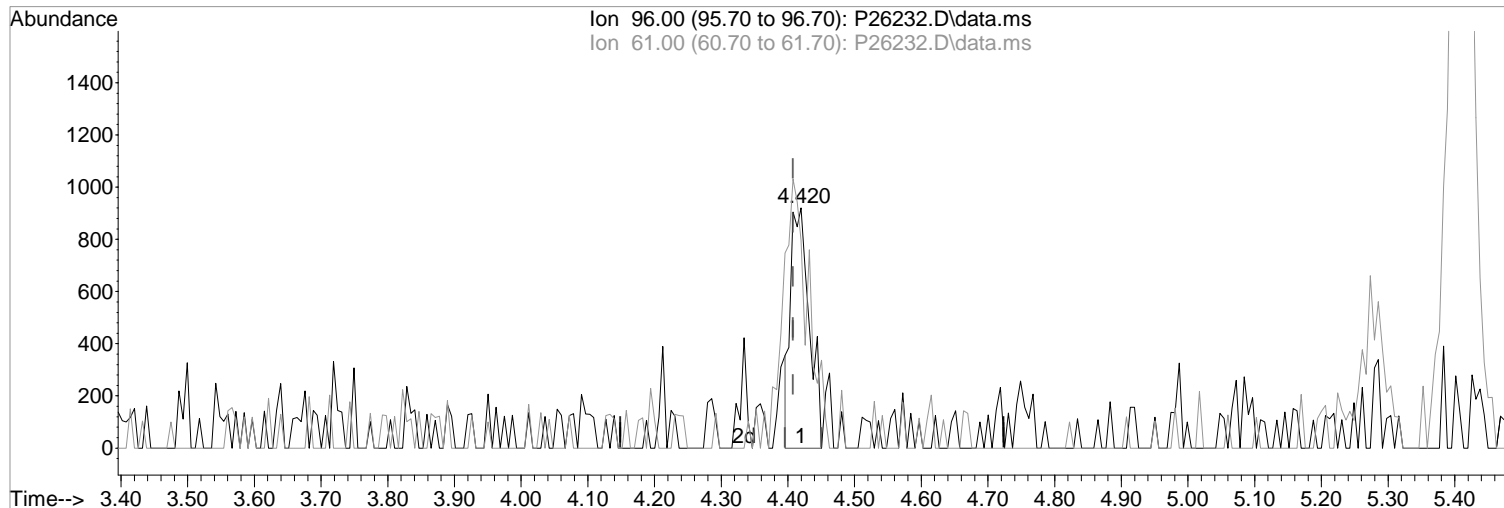
Manual Integration:

After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.45 ppb

response 1792

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

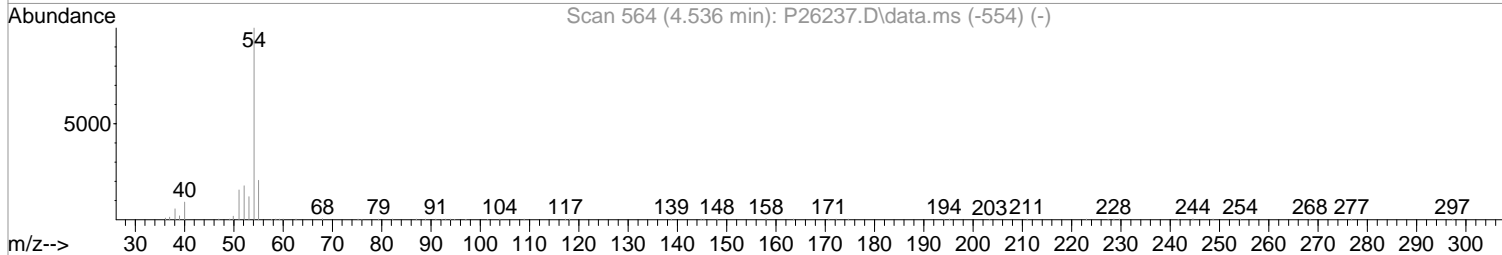
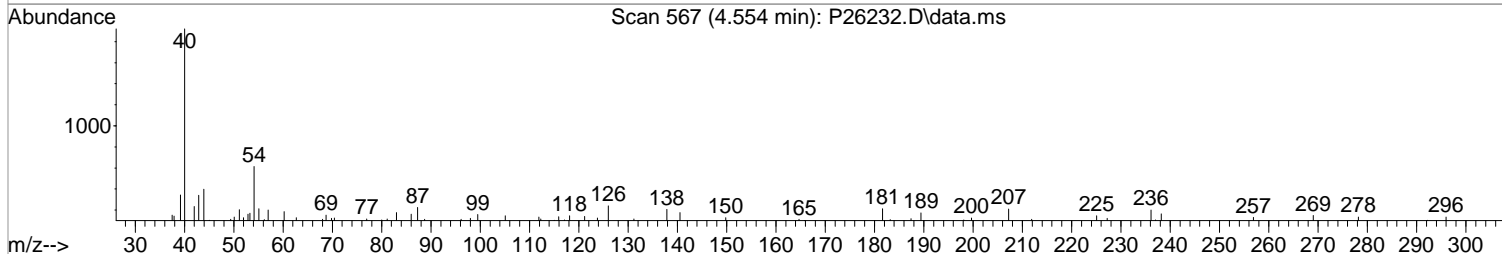
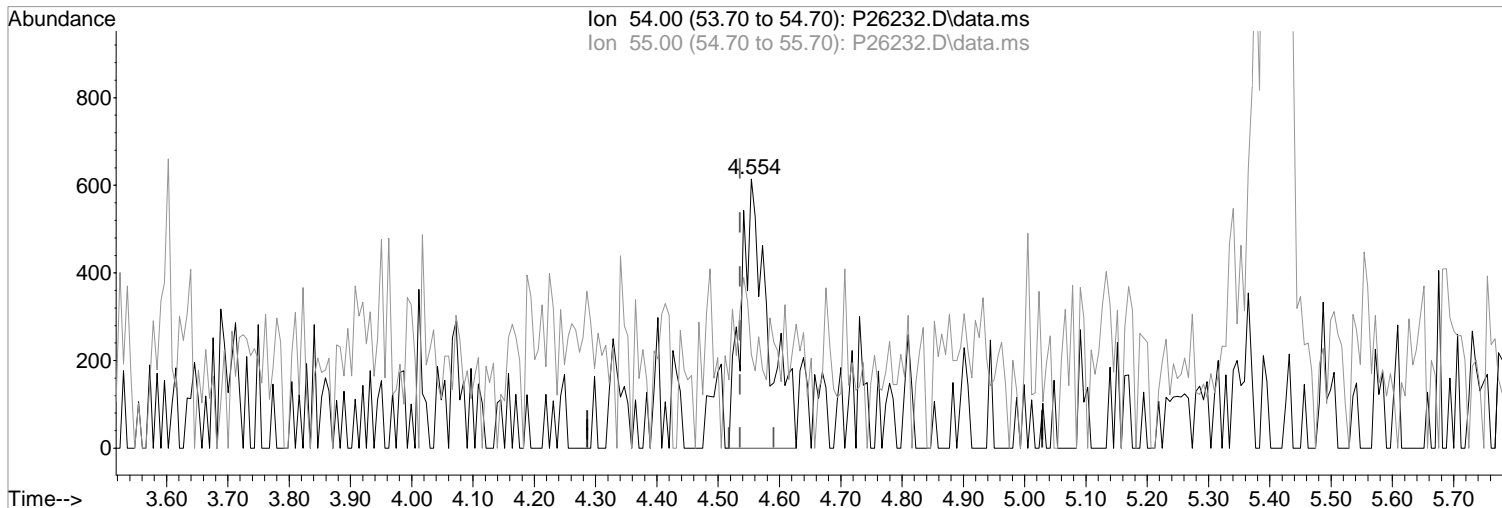
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(36) Propionitrile
4.554min (+0.018) 2.57 ppb m
response 1858

Manual Integration:
After
Poor integration.

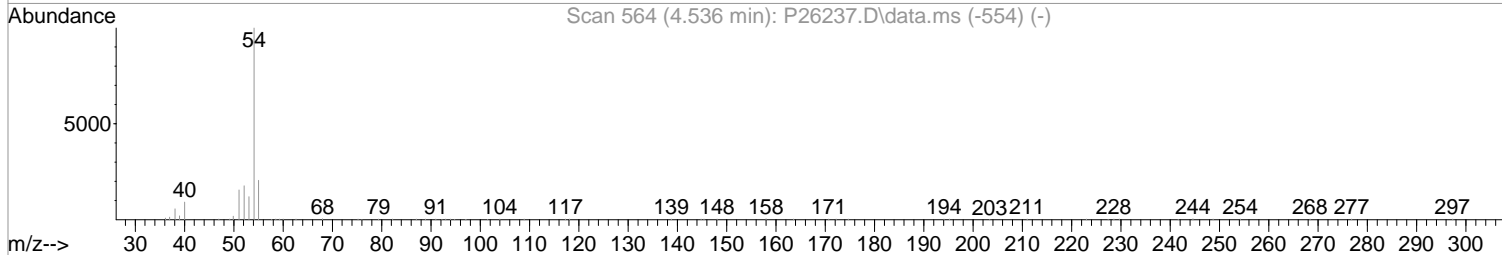
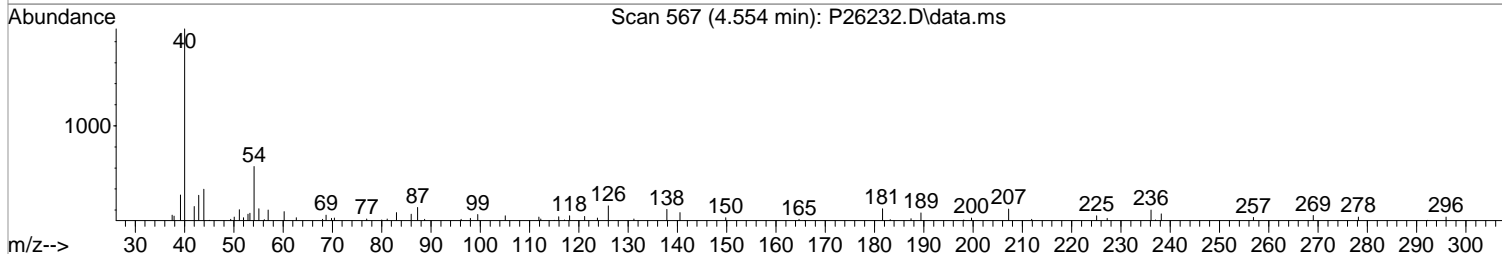
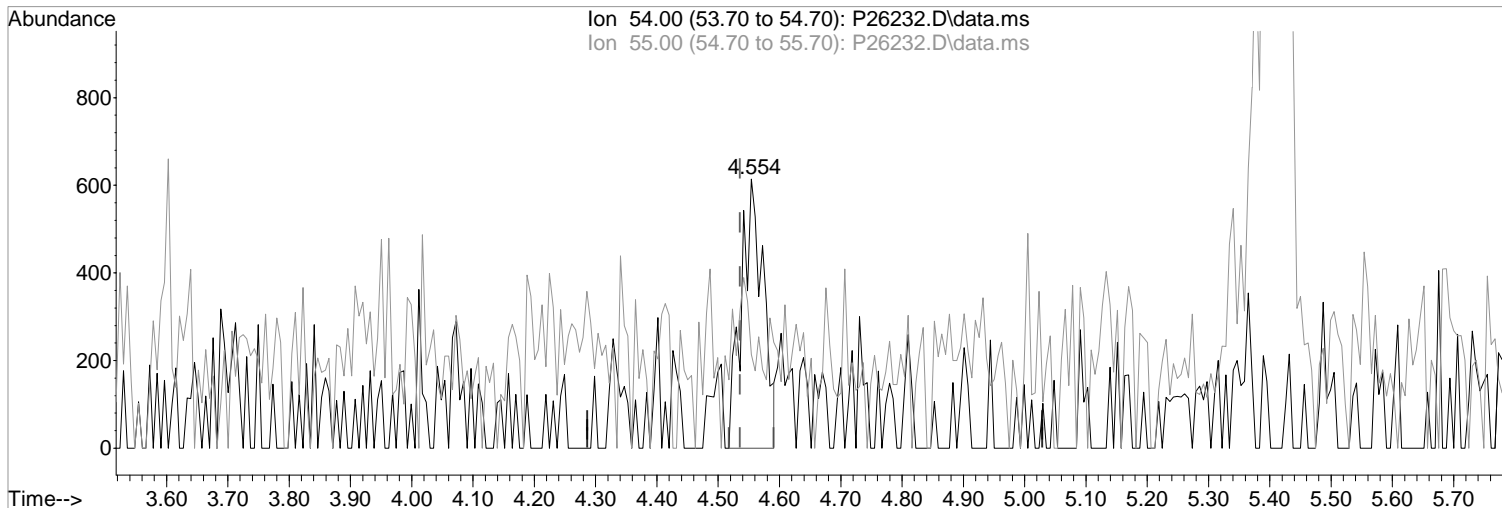
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(36) Propionitrile
4.554min (+0.018) 2.10 ppb
response 1513

Manual Integration:
Before

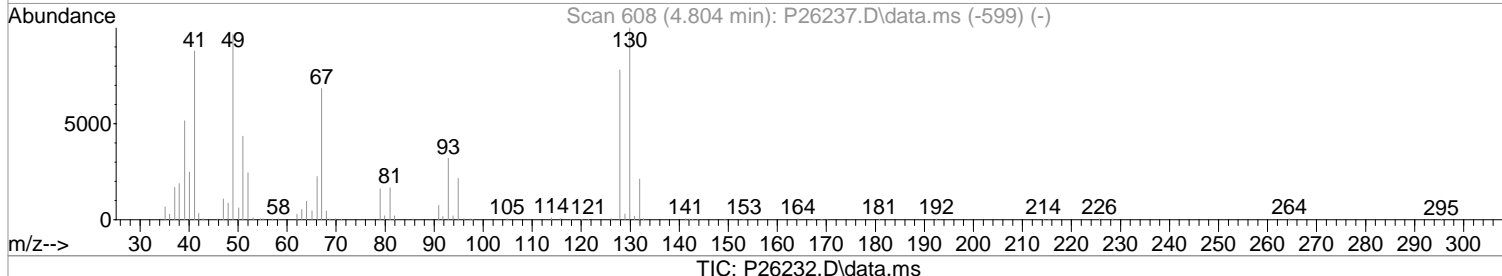
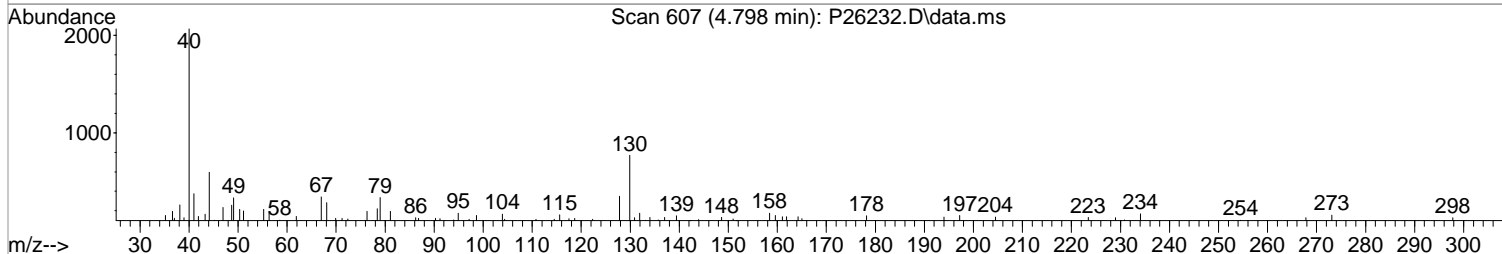
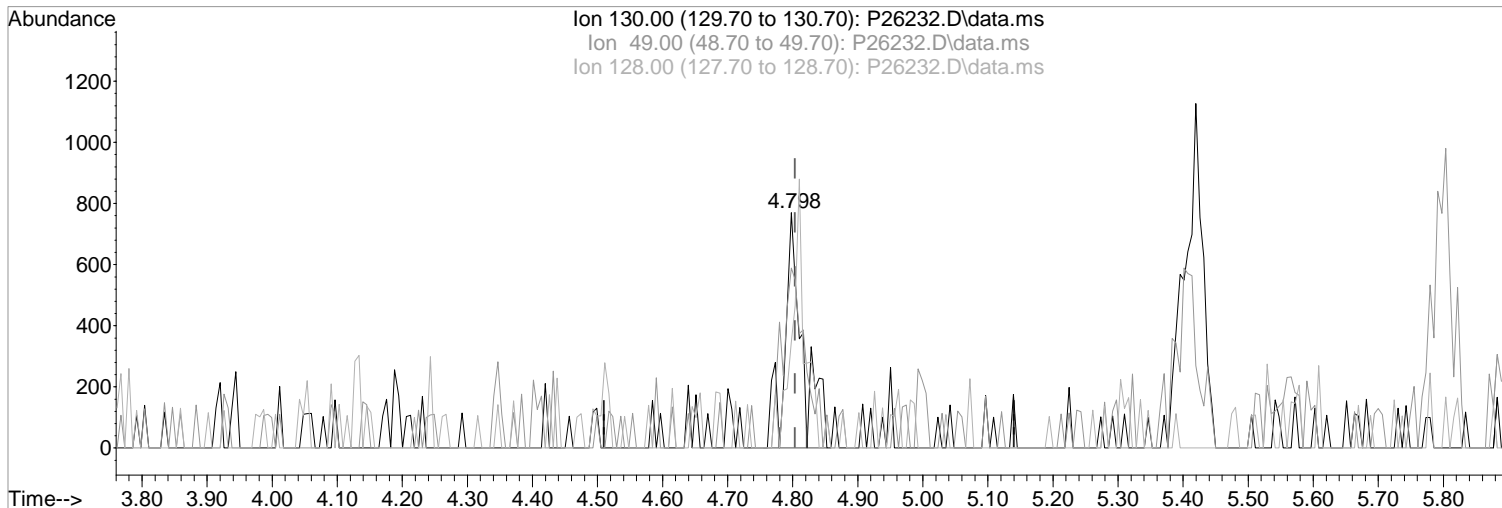
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.58 ppb m

response 1529

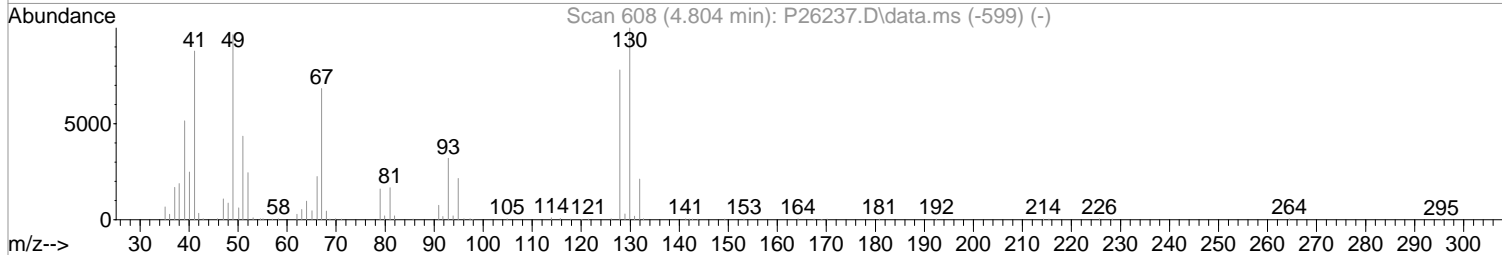
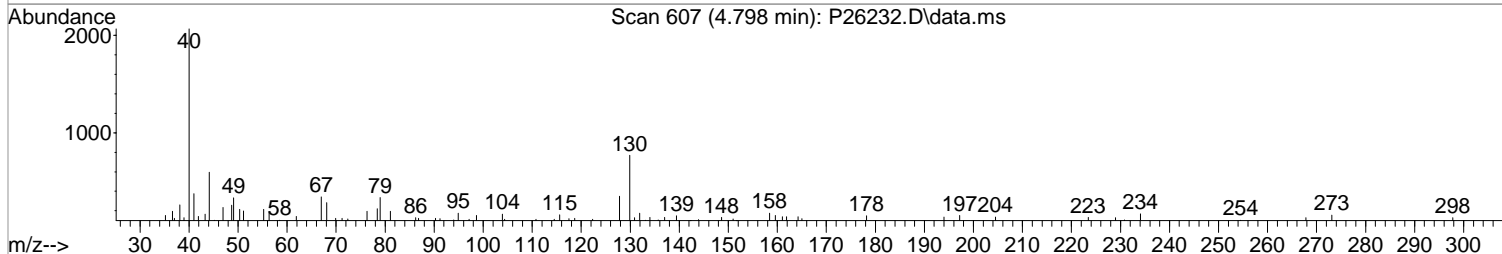
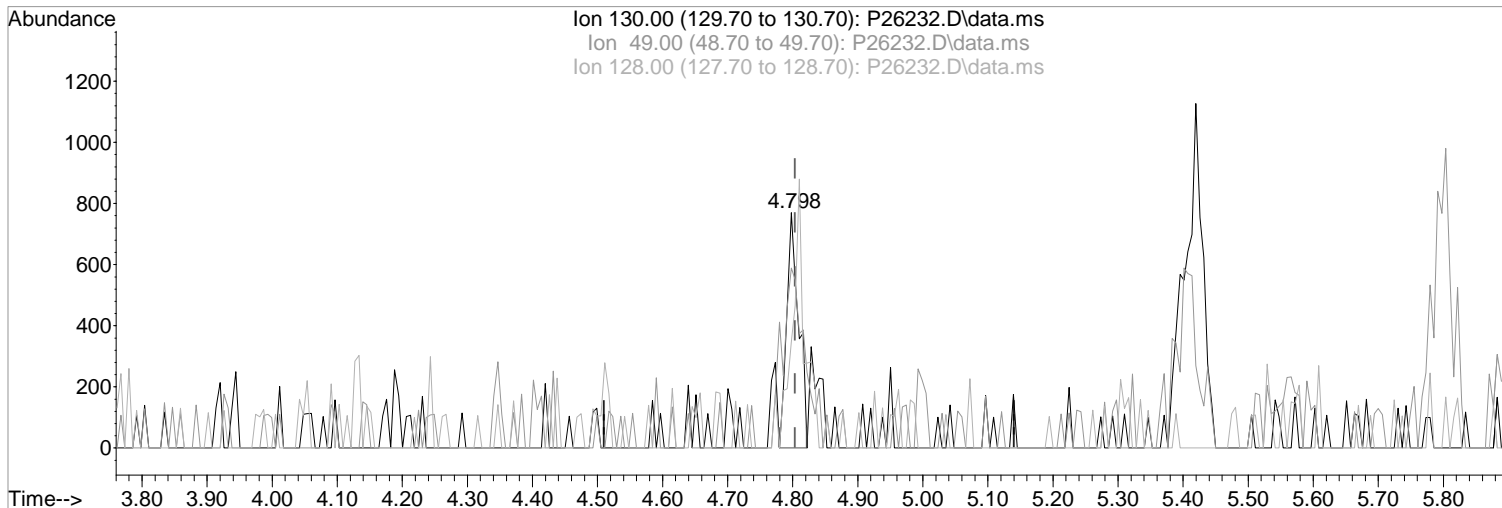
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	42.99#
128.00	78.80	45.19#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



(37) Bromochloromethane

Manual Integration:

4.798min (-0.006) 0.37 ppb

Before

response 987

Ion Exp% Act%

05/01/19

130.00 100 100

49.00 96.80 76.49#

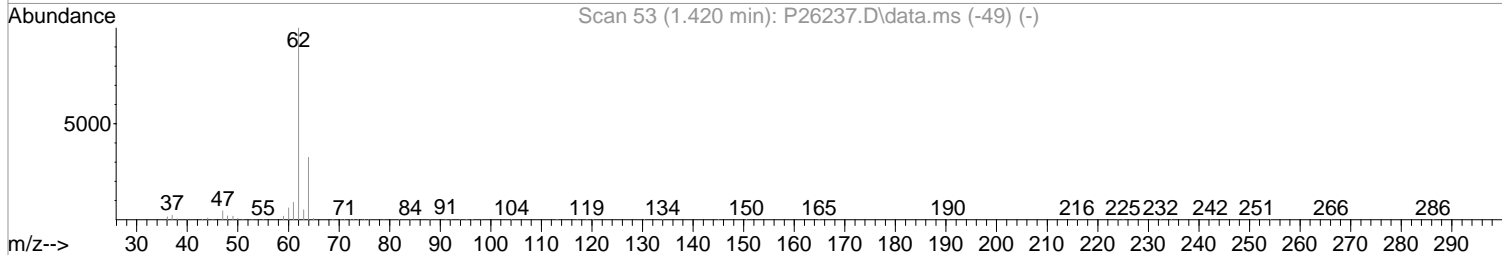
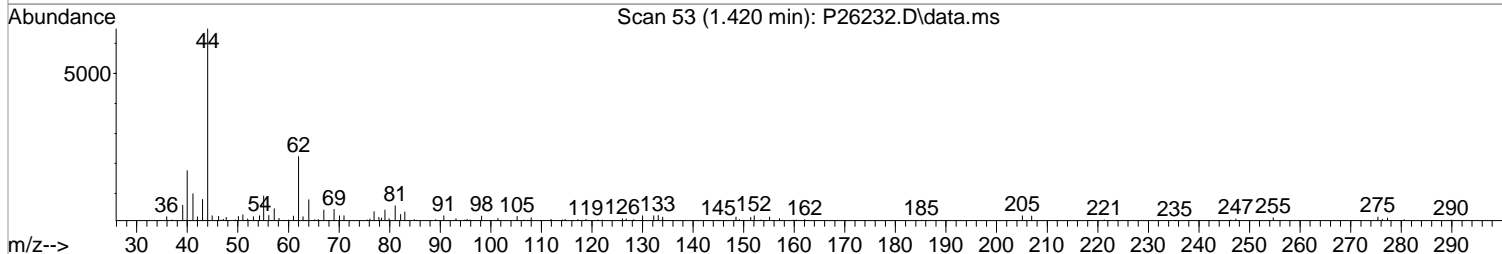
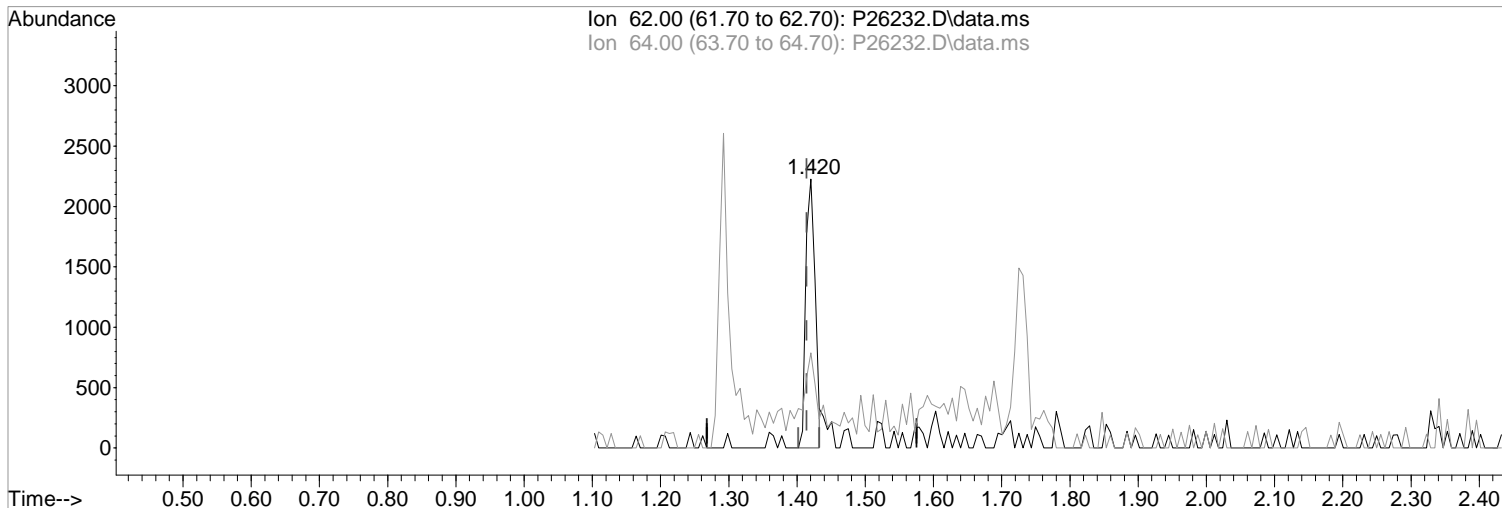
128.00 78.80 45.19#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(4) Vinyl Chloride (P)
1.420min (+0.006) 0.56 ppb m
response 2149

Manual Integration:

After

Poor integration.

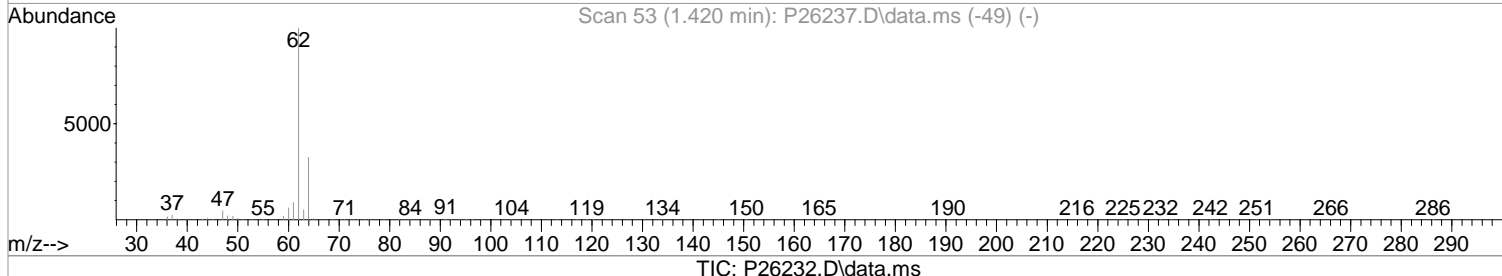
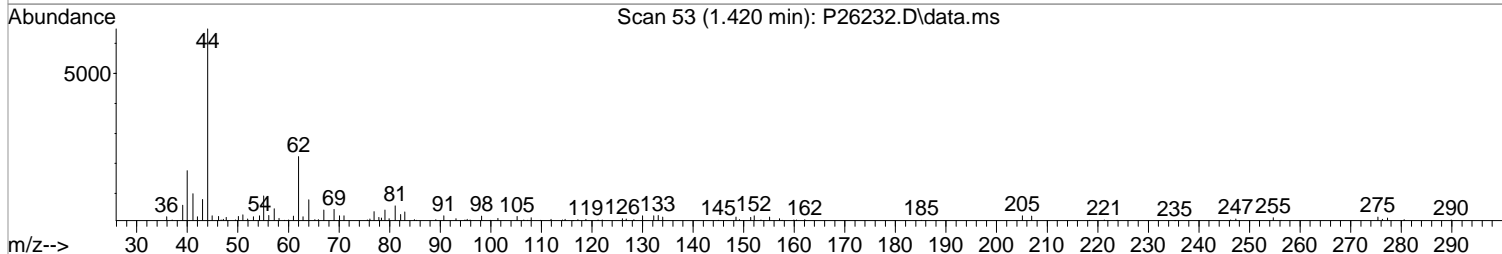
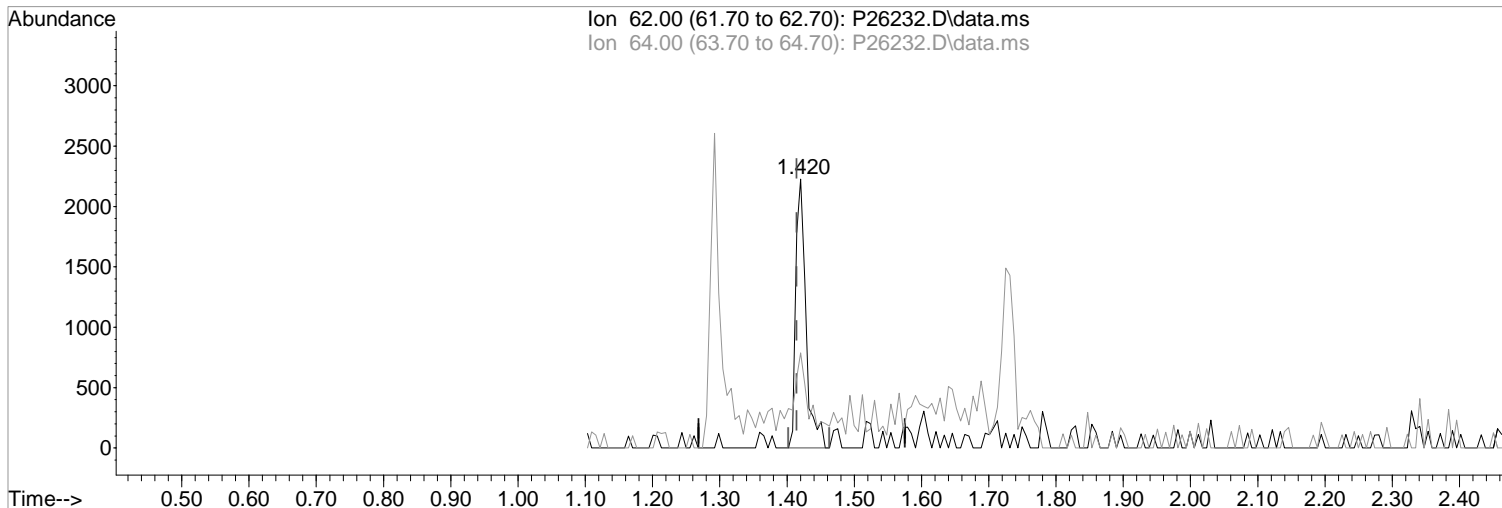
05/01/19

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(4) Vinyl Chloride (P)
1.420min (+0.006) 0.62 ppb
response 2380

Manual Integration:

Before

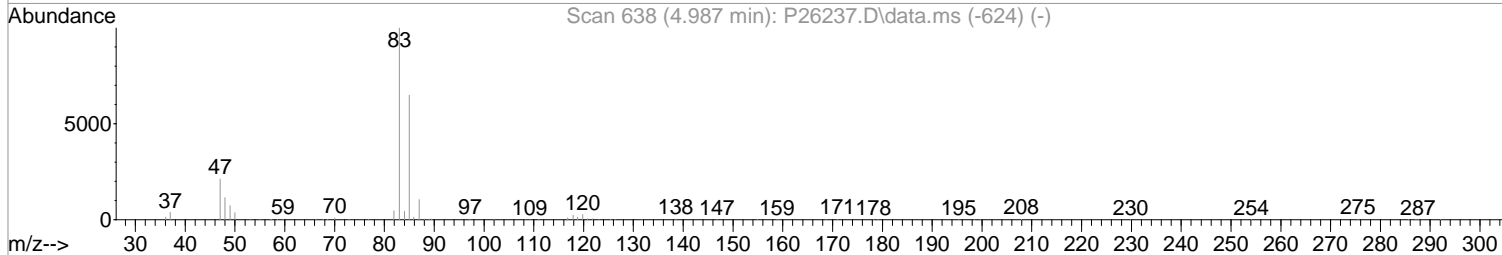
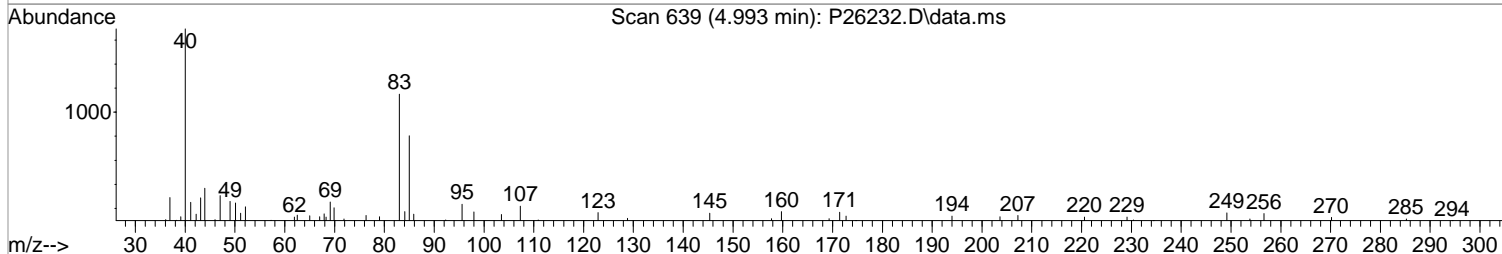
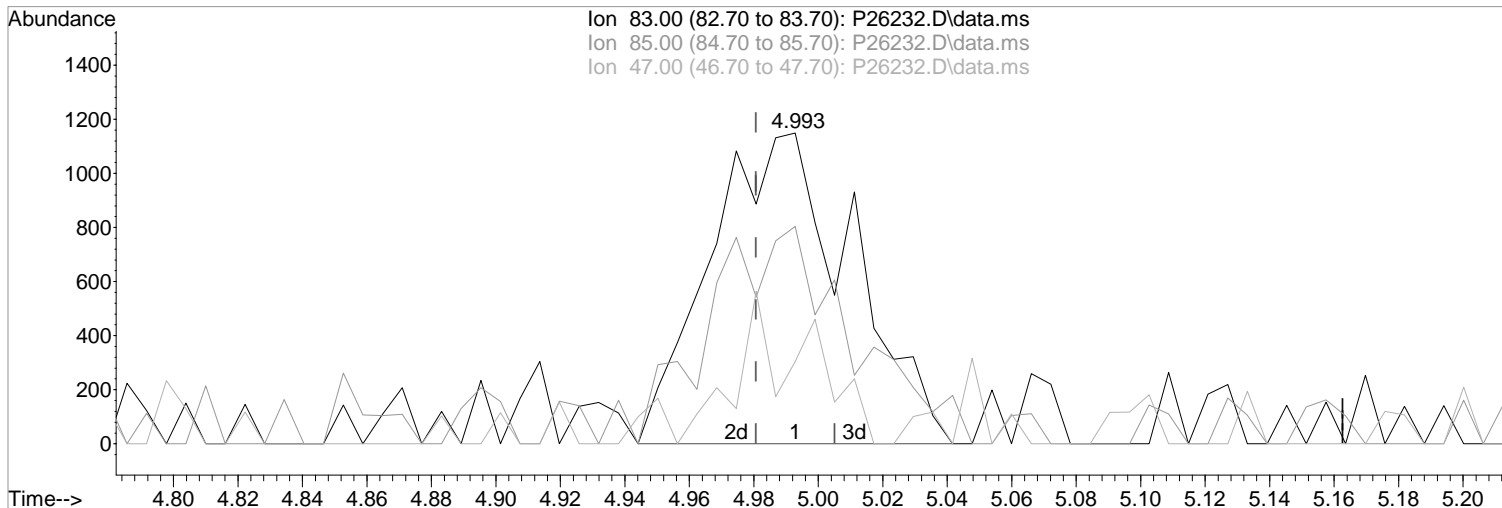
Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(40) Chloroform (P)

4.993min (+0.012) 0.61 ppb m
response 3509

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

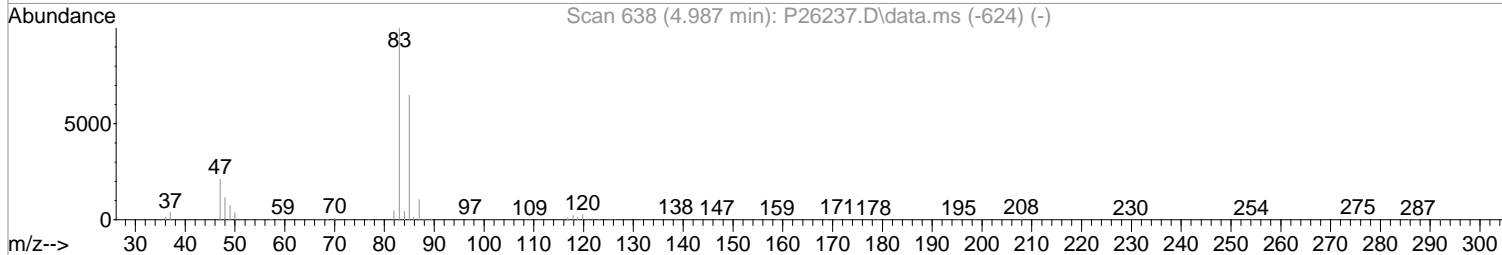
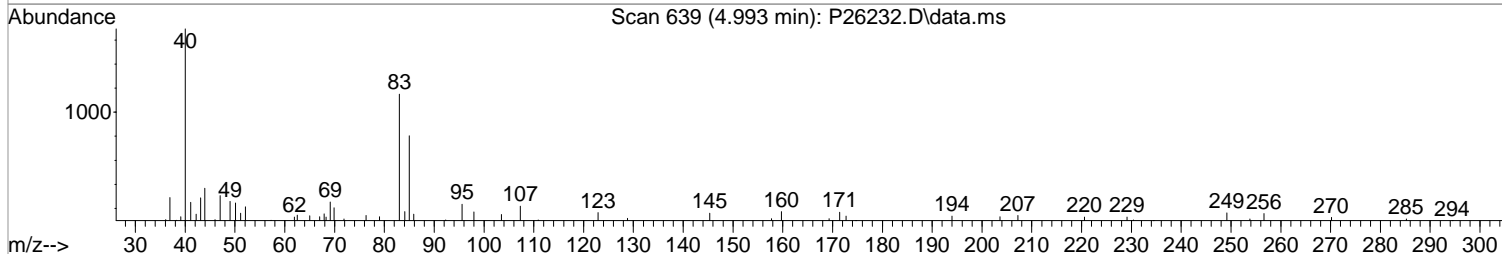
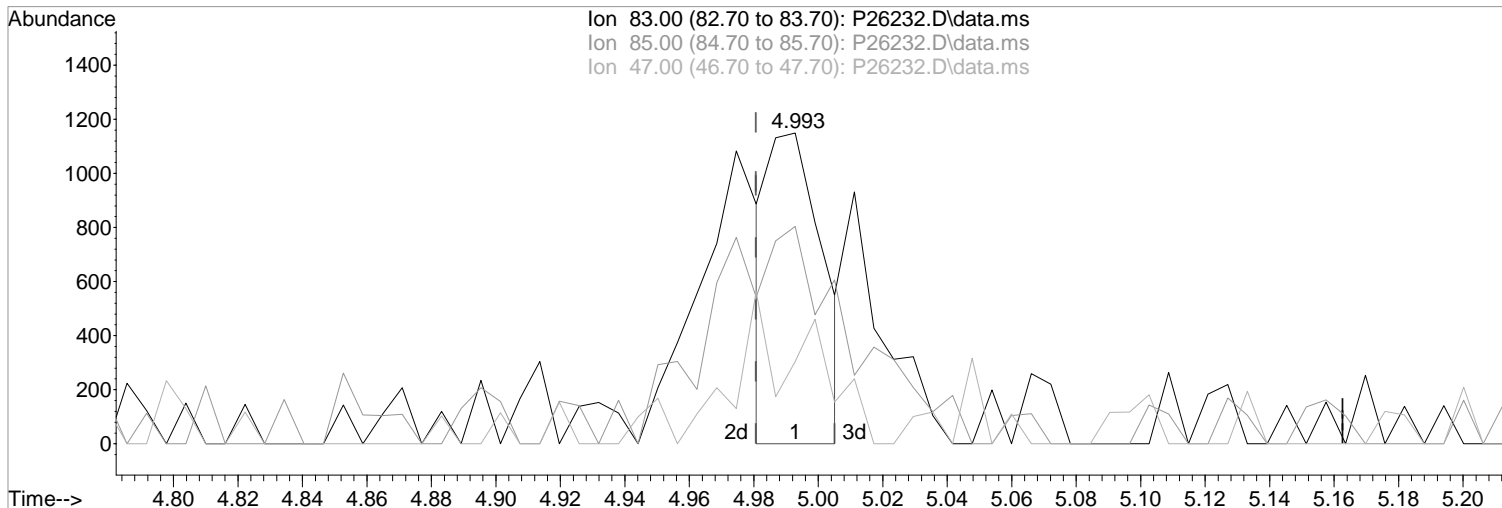
Manual Integration:

After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(40) Chloroform (P)
4.993min (+0.012) 0.23 ppb
response 1334

Manual Integration:
Before

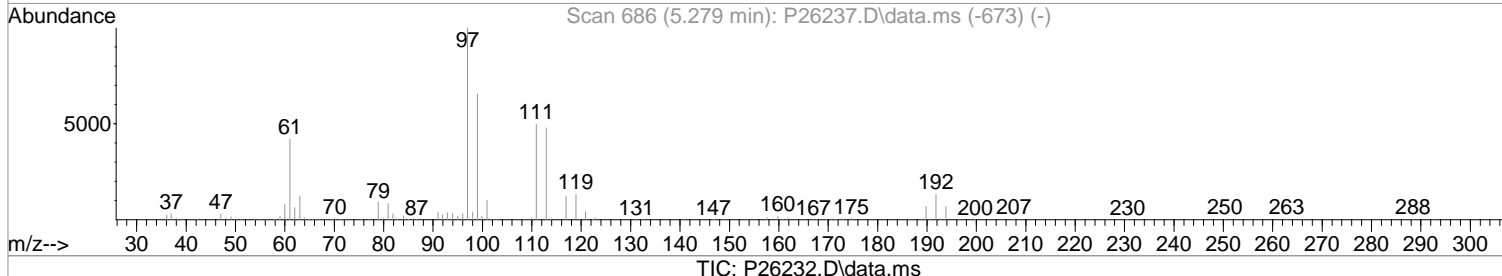
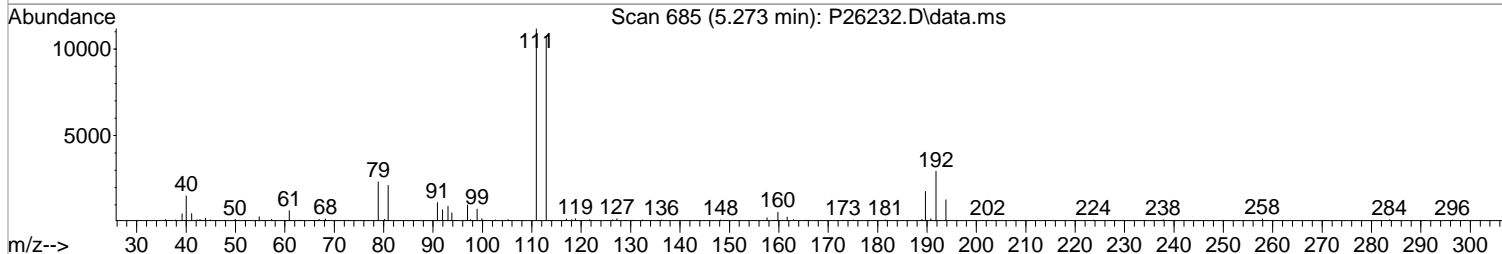
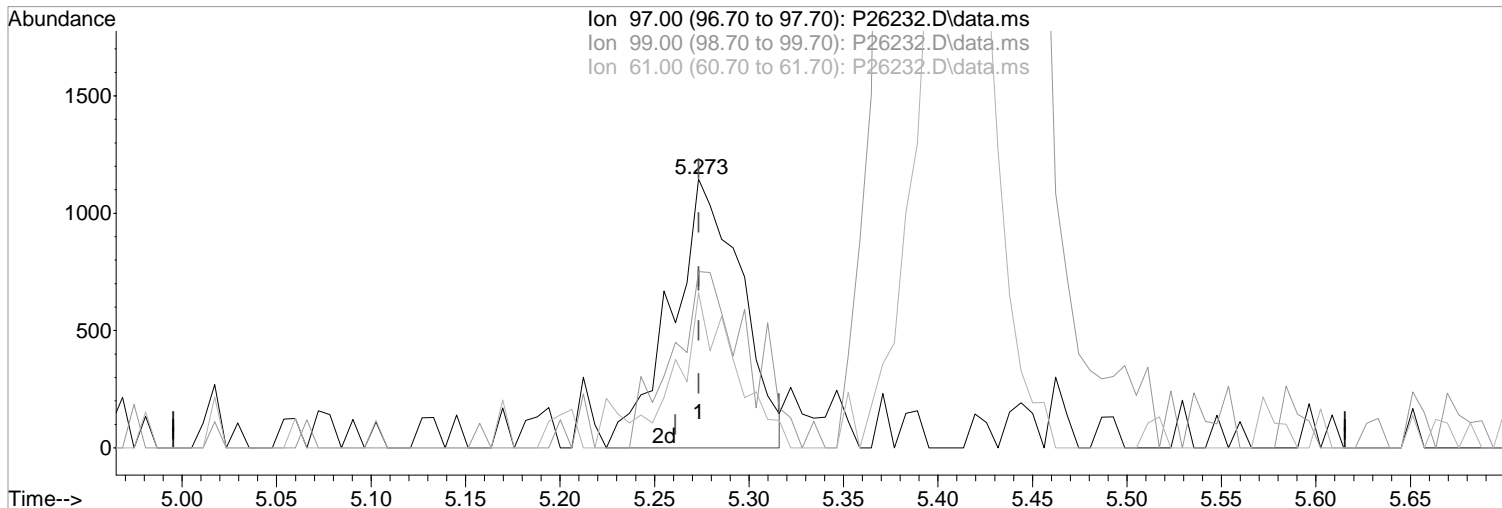
Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

5.273min (-0.000) 0.54 ppb m
response 2936

Ion	Exp%	Act%
97.00	100	100
99.00	65.30	75.43
61.00	41.90	66.30#
0.00	0.00	0.00

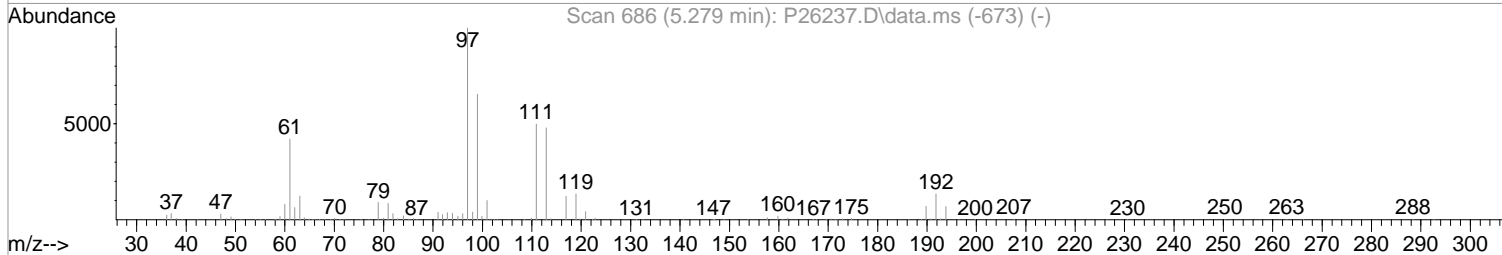
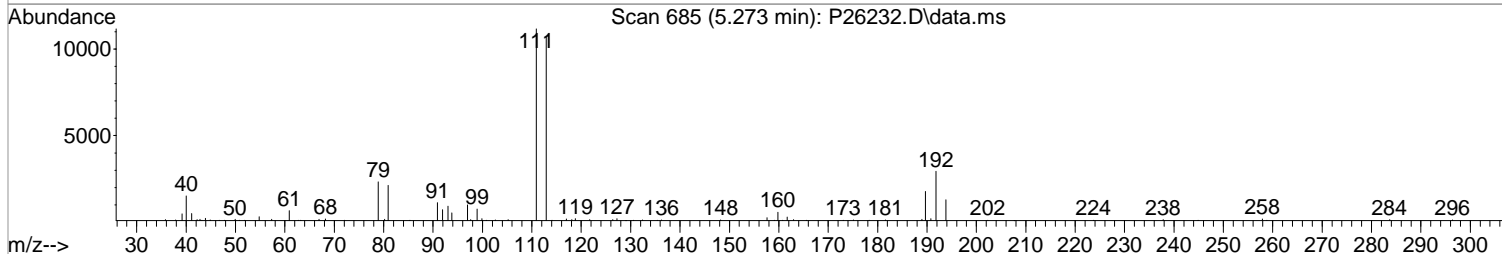
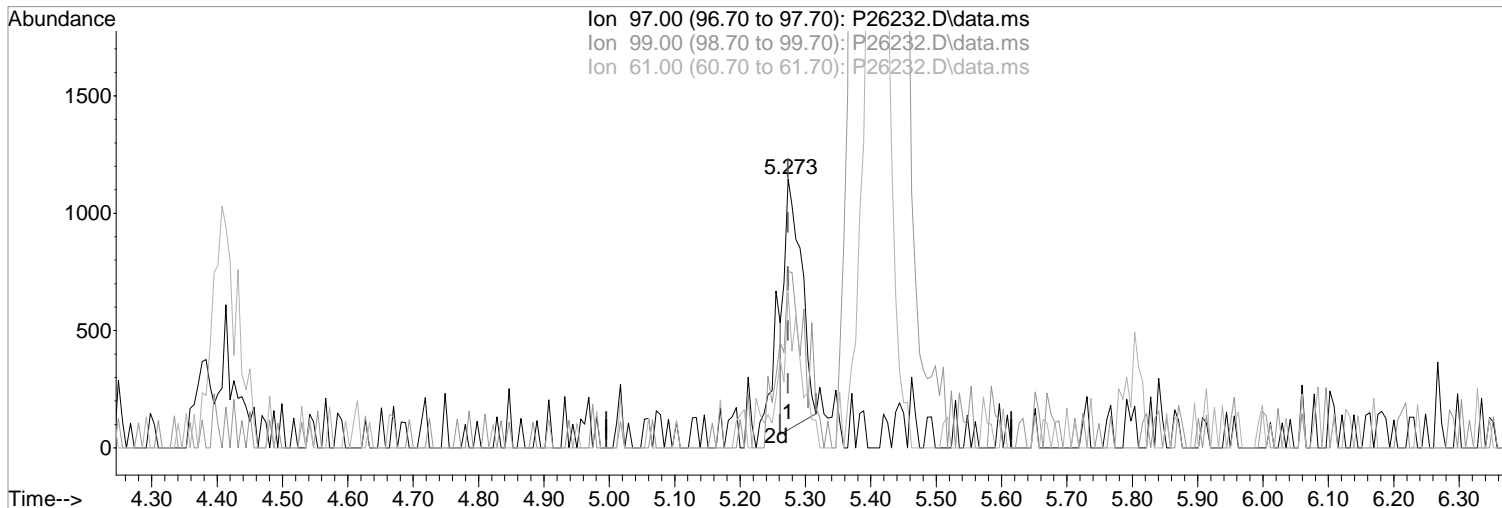
Manual Integration:

After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.273min (-0.000) 0.35 ppb

Before

response 1895

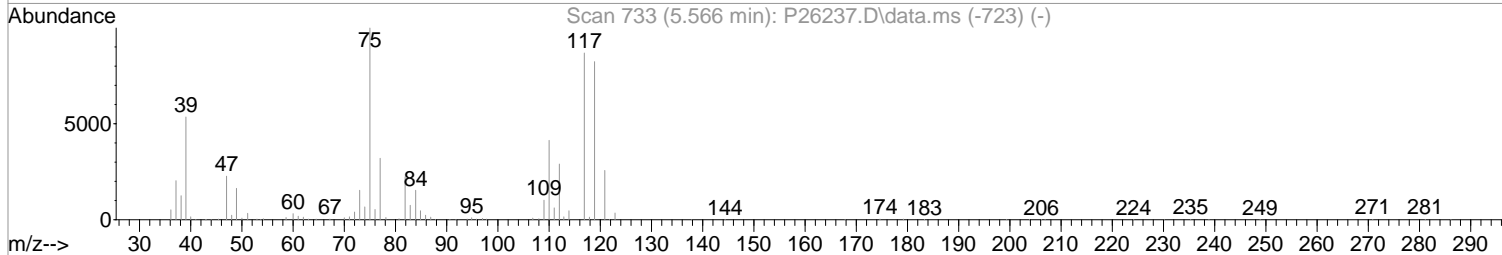
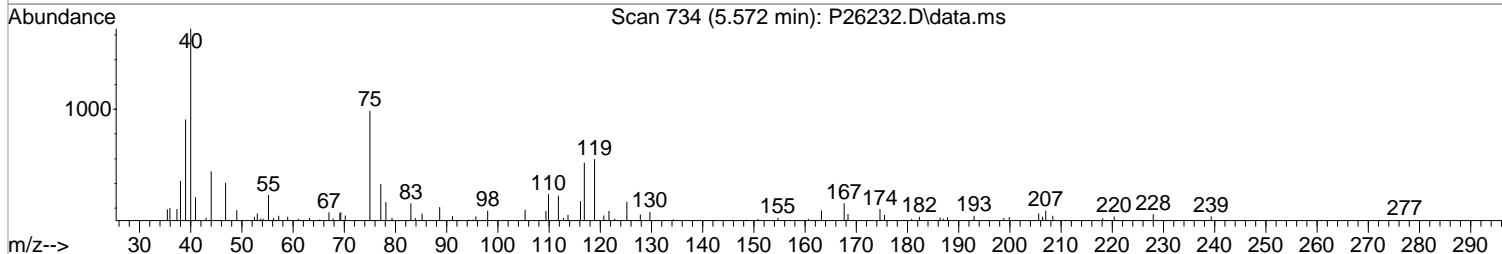
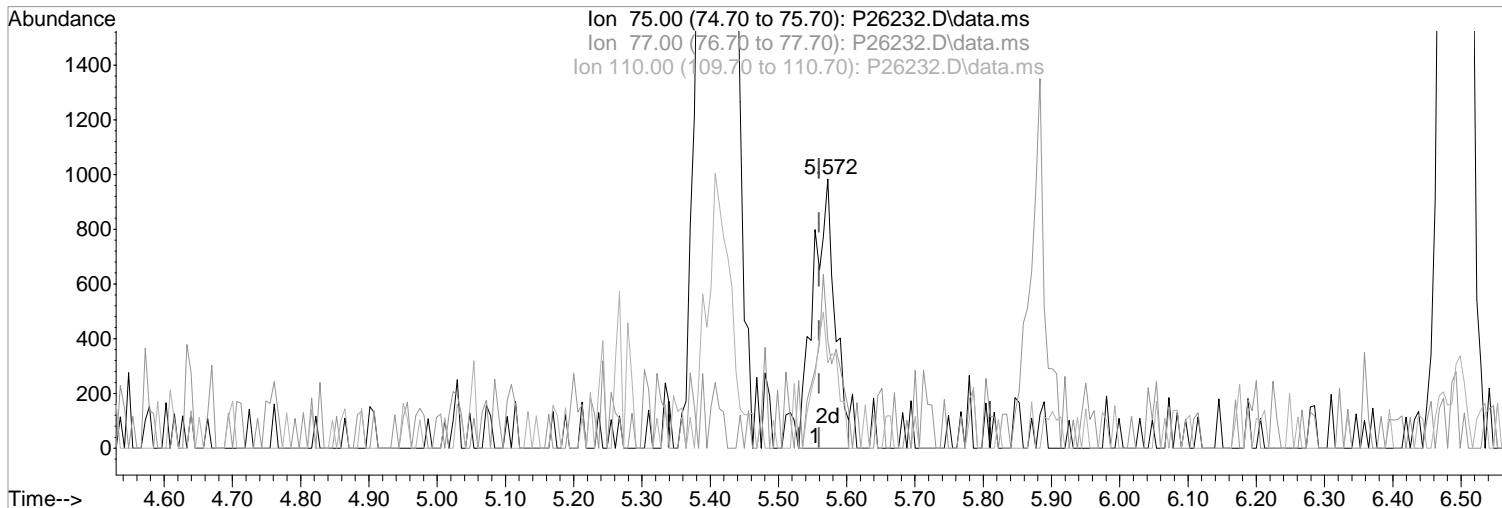
Ion	Exp%	Act%
97.00	100	100
99.00	65.30	65.62
61.00	41.90	57.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



(47) 1,1-Dichloropropene
 5.572min (+0.012) 0.52 ppb m
 response 2156

Manual Integration:

After
 Split Peak

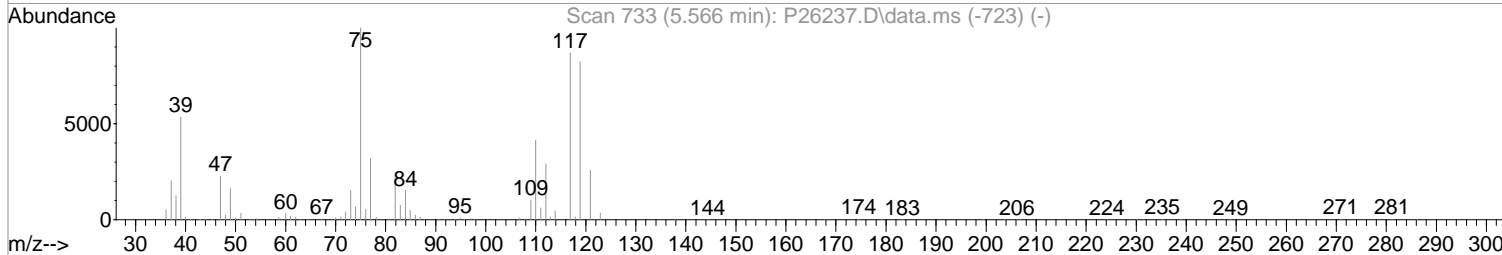
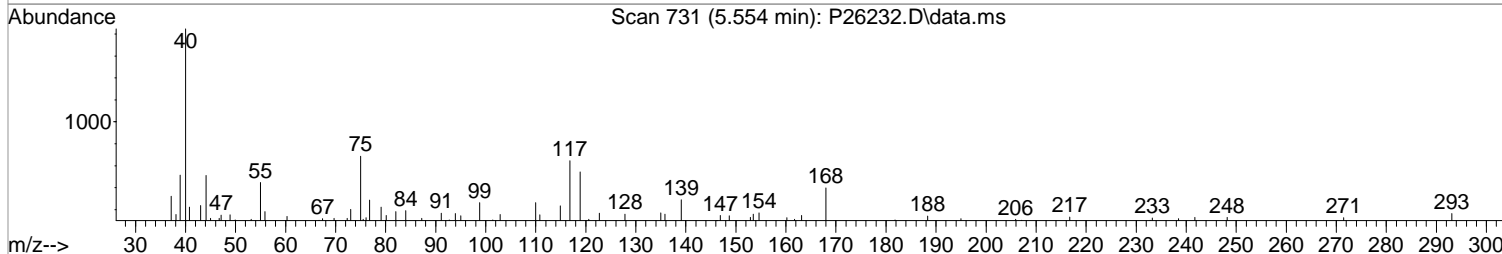
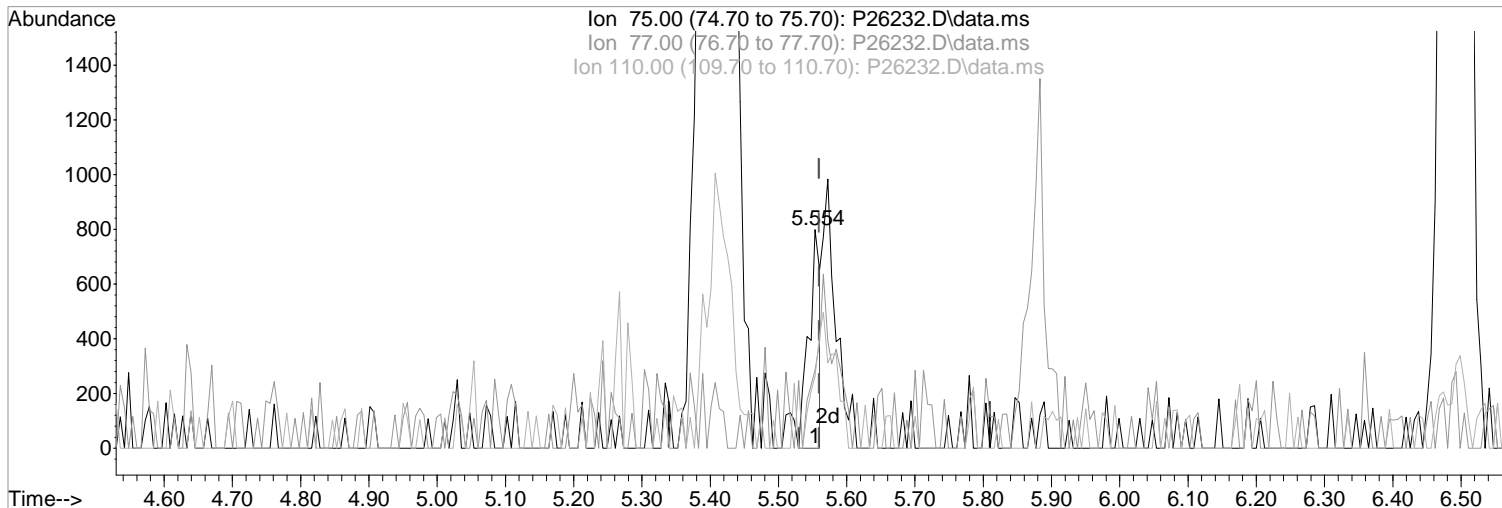
Ion	Exp%	Act%
75.00	100	100
77.00	32.10	39.88
110.00	41.40	31.74
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



TIC: P26232.D\data.ms

(47) 1,1-Dichloropropene
 5.554min (-0.006) 0.22 ppb
 response 904

Manual Integration:
 Before

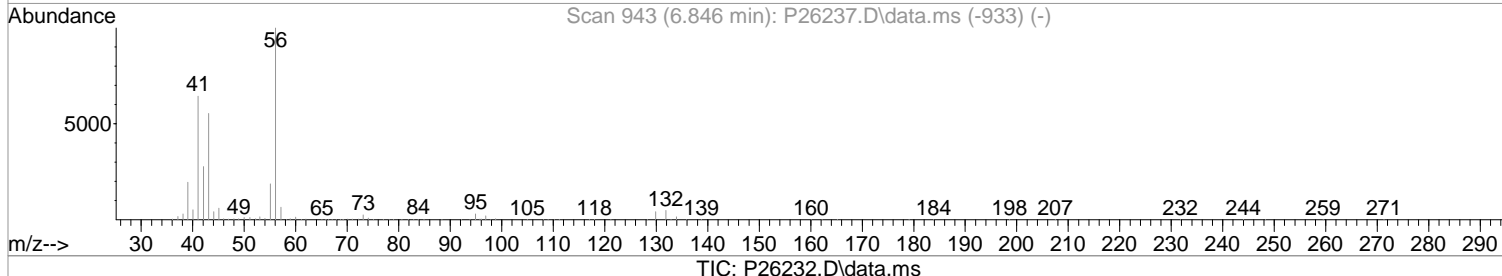
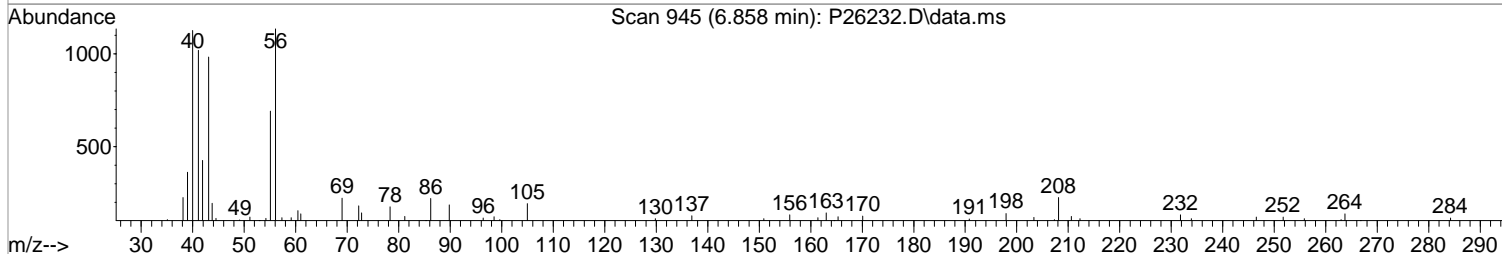
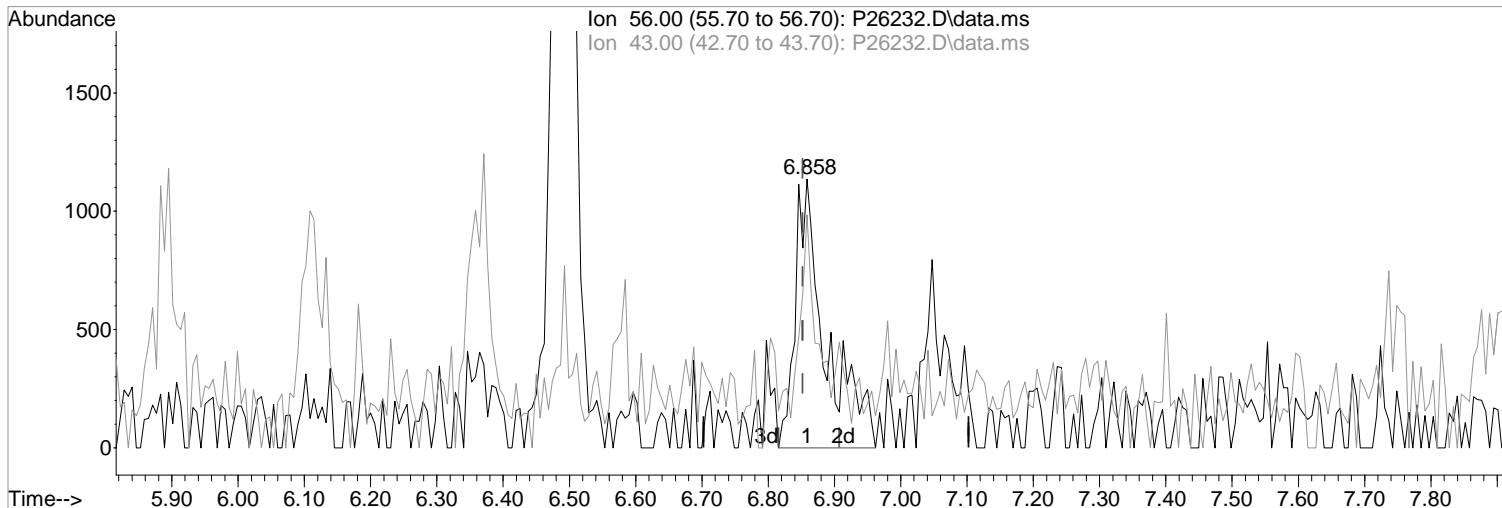
Ion	Exp%	Act%
75.00	100	100
77.00	32.10	35.71
110.00	41.40	32.96
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.858min (+0.006) 18.49 ppb m
response 3595

Manual Integration:

After

Split Peak

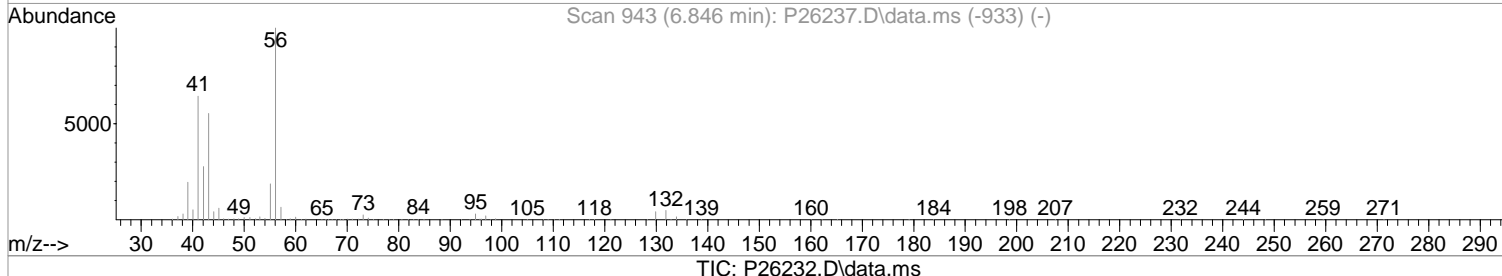
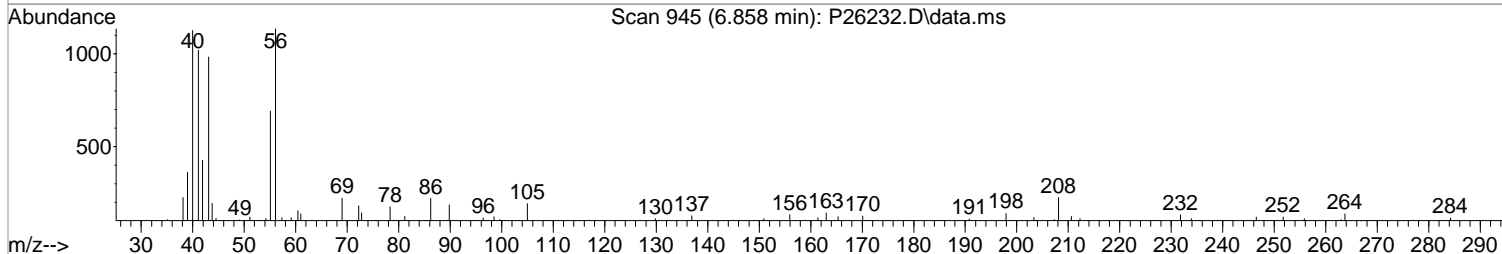
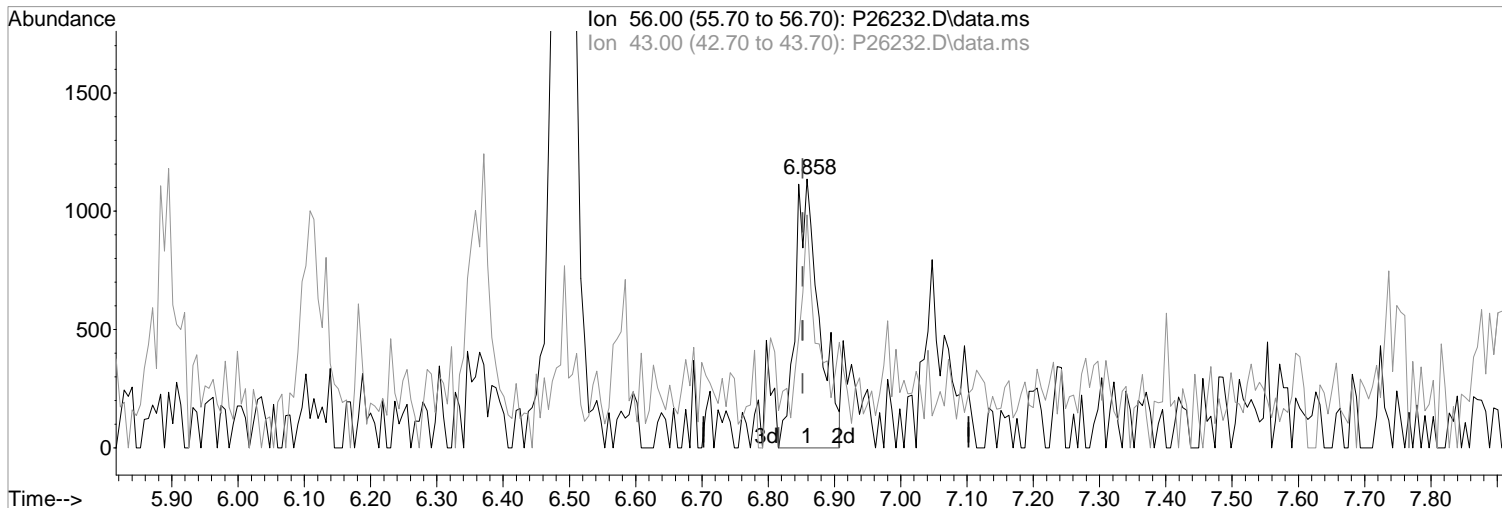
05/01/19

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	43.28
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.858min (+0.006) 14.65 ppb
response 2848

Manual Integration:
Before

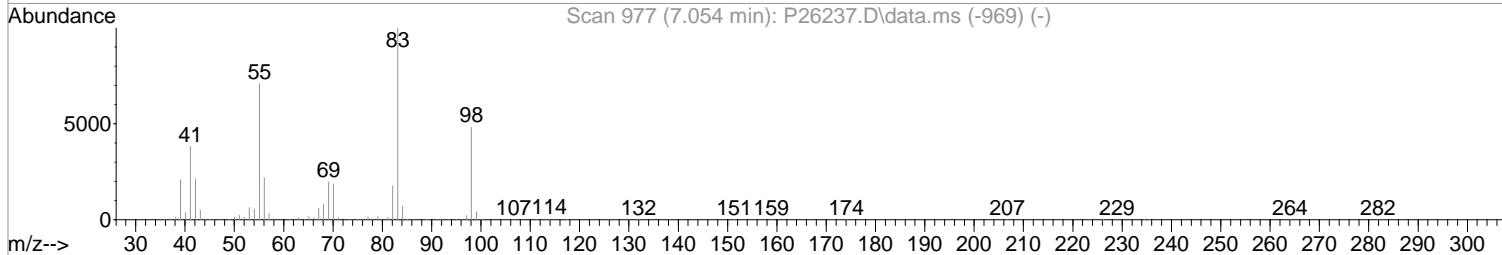
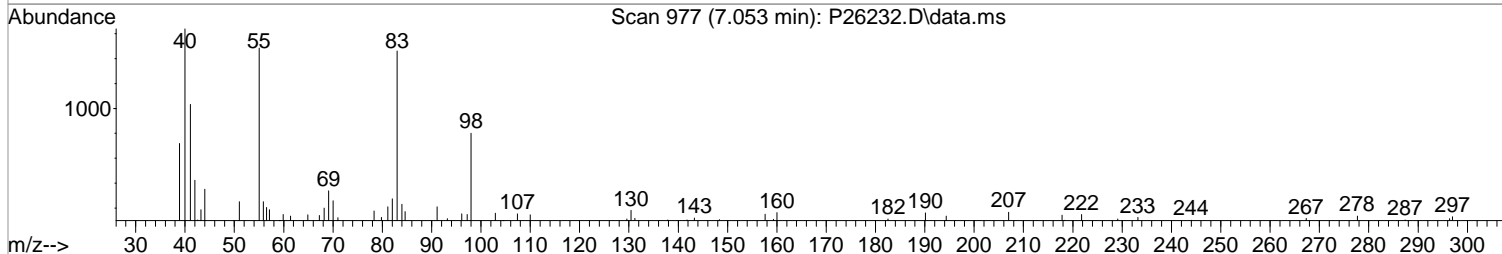
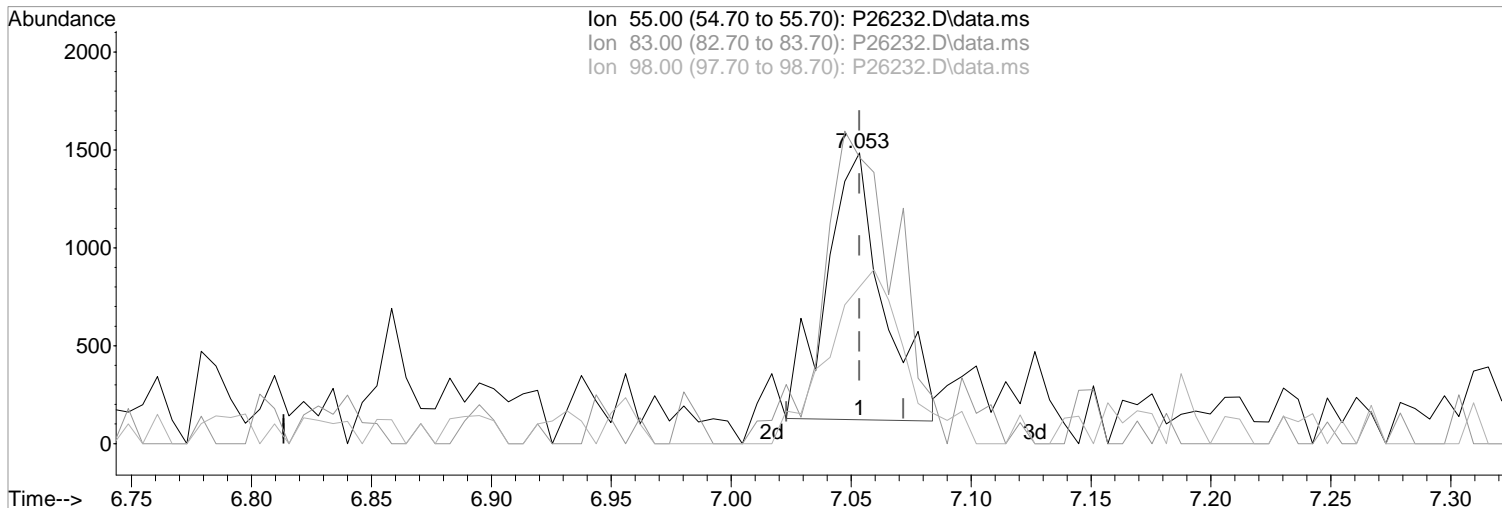
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	54.63
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(55) Methylcyclohexane (P)
7.053min (-0.000) 0.59 ppb m
response 2287

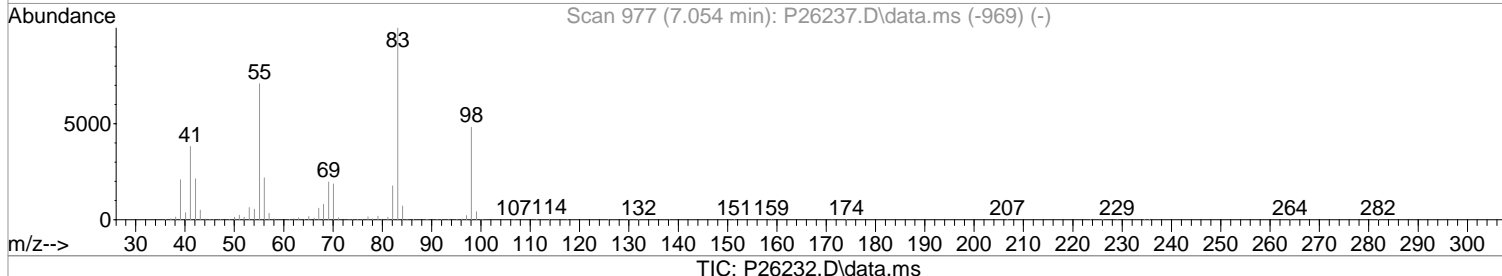
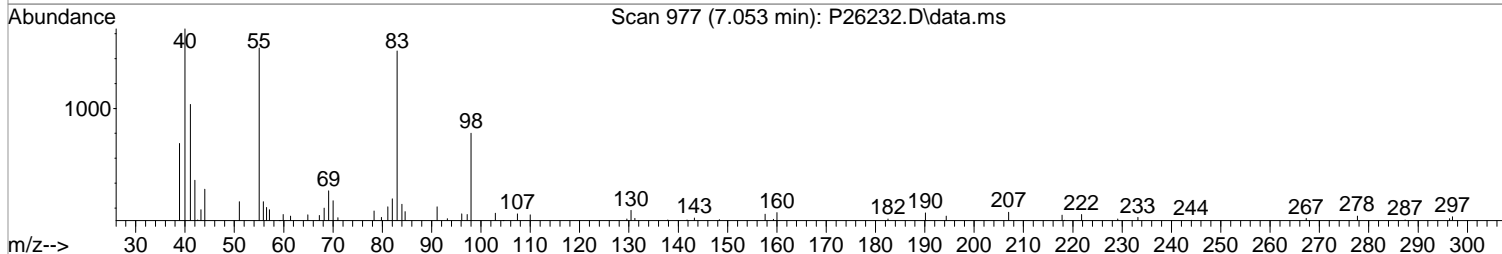
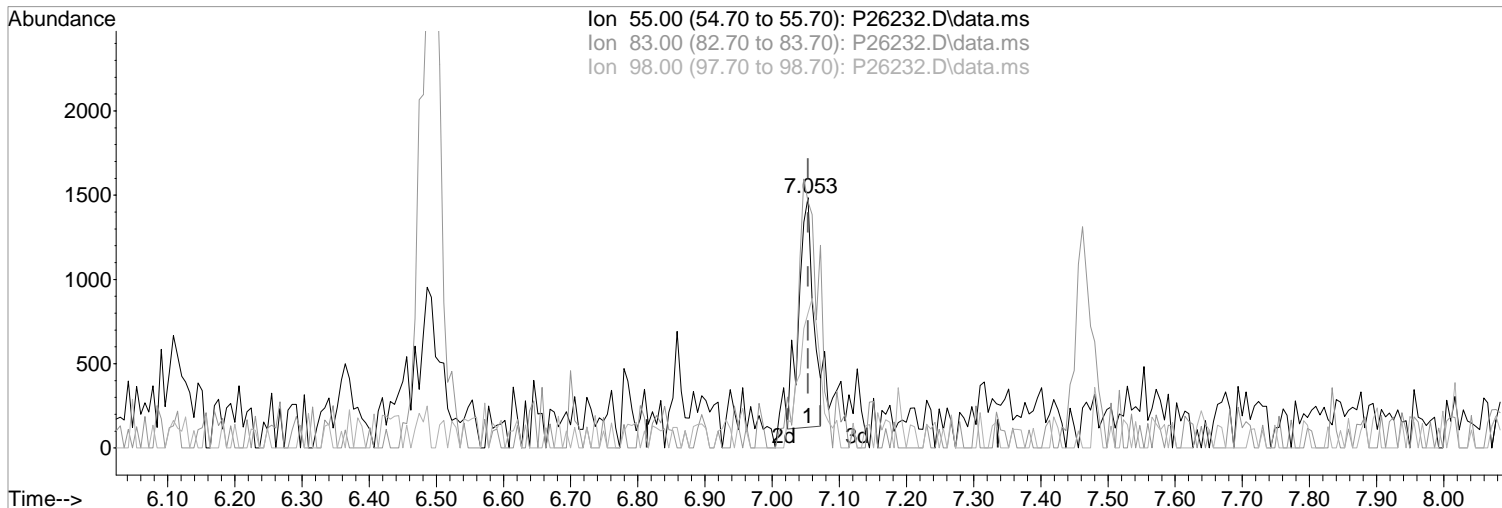
Ion	Exp%	Act%
55.00	100	100
83.00	140.30	98.45#
98.00	67.50	53.87
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(55) Methylcyclohexane (P)

Manual Integration:

7.053min (-0.000) 0.54 ppb

Before

response 2084

Ion Exp% Act%

05/01/19

55.00 100 100

83.00 140.30 98.45#

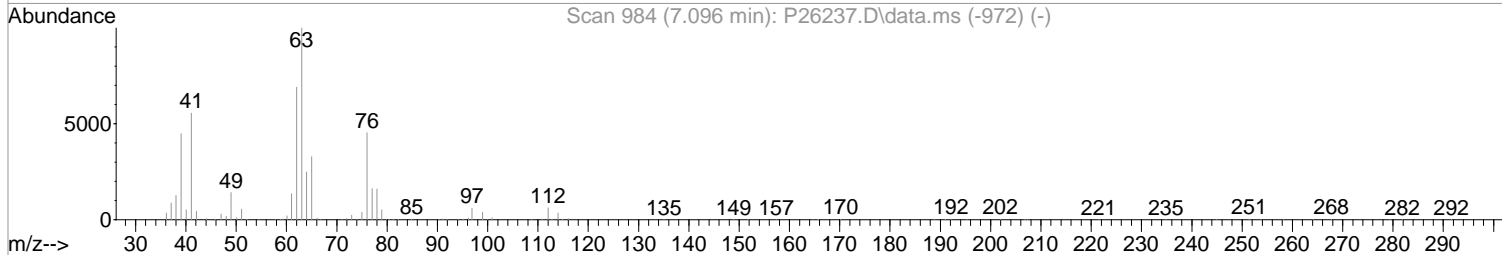
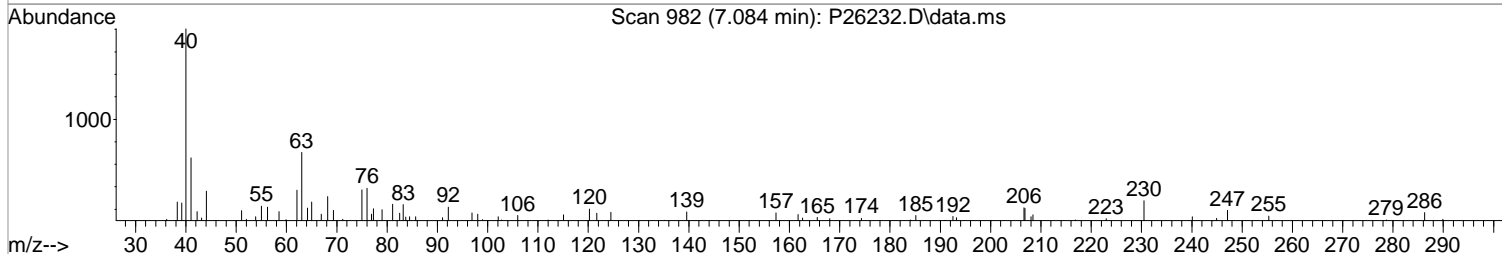
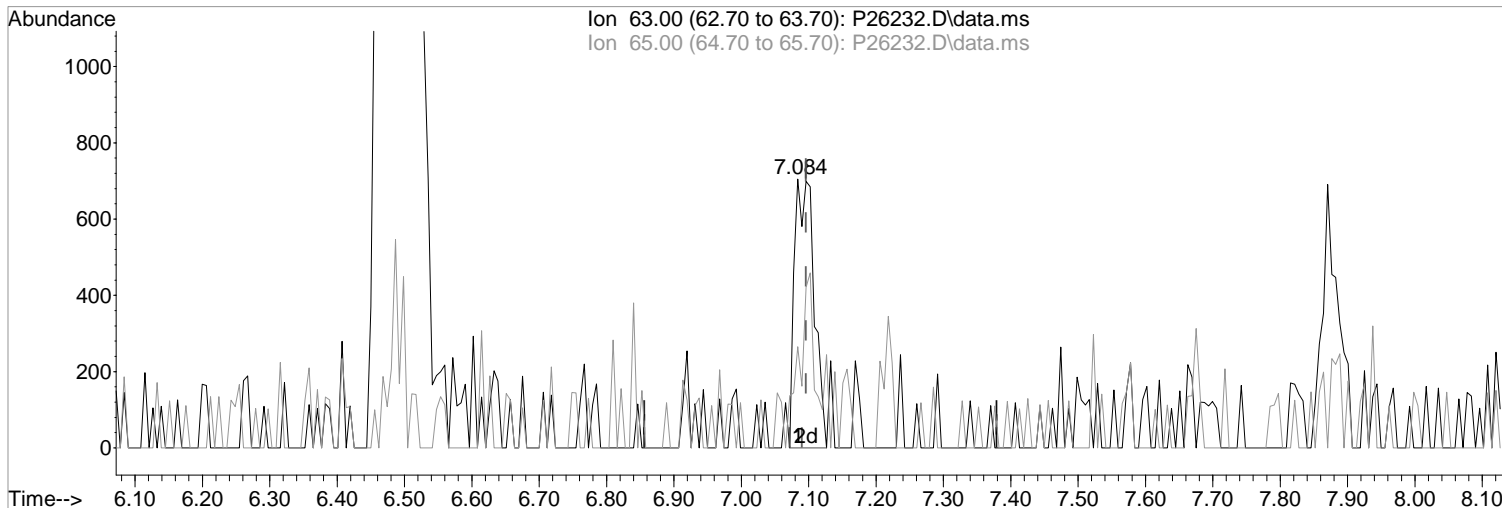
98.00 67.50 53.87

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.084min (-0.012) 0.45 ppb m
response 1419

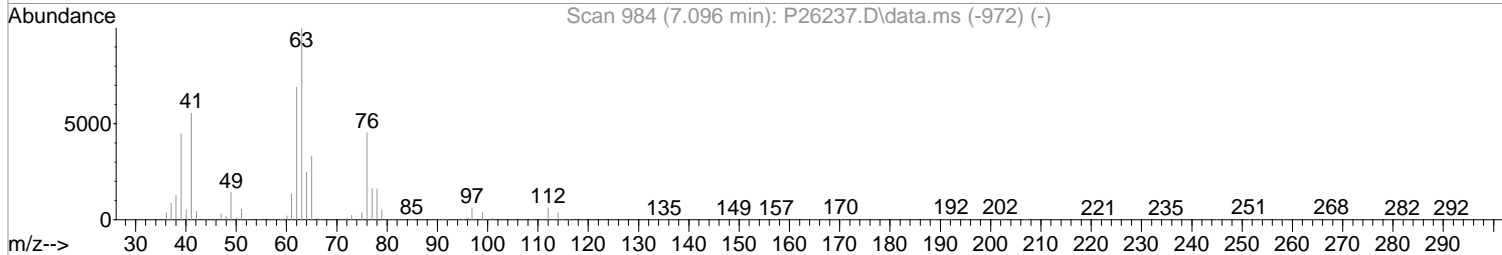
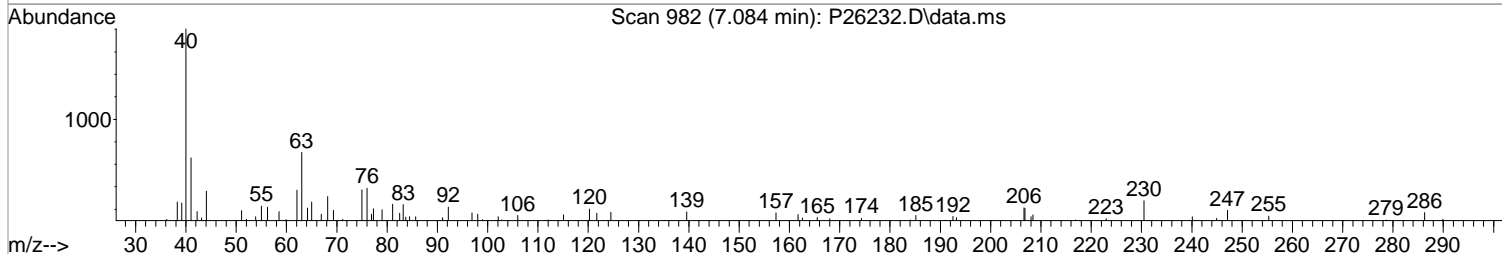
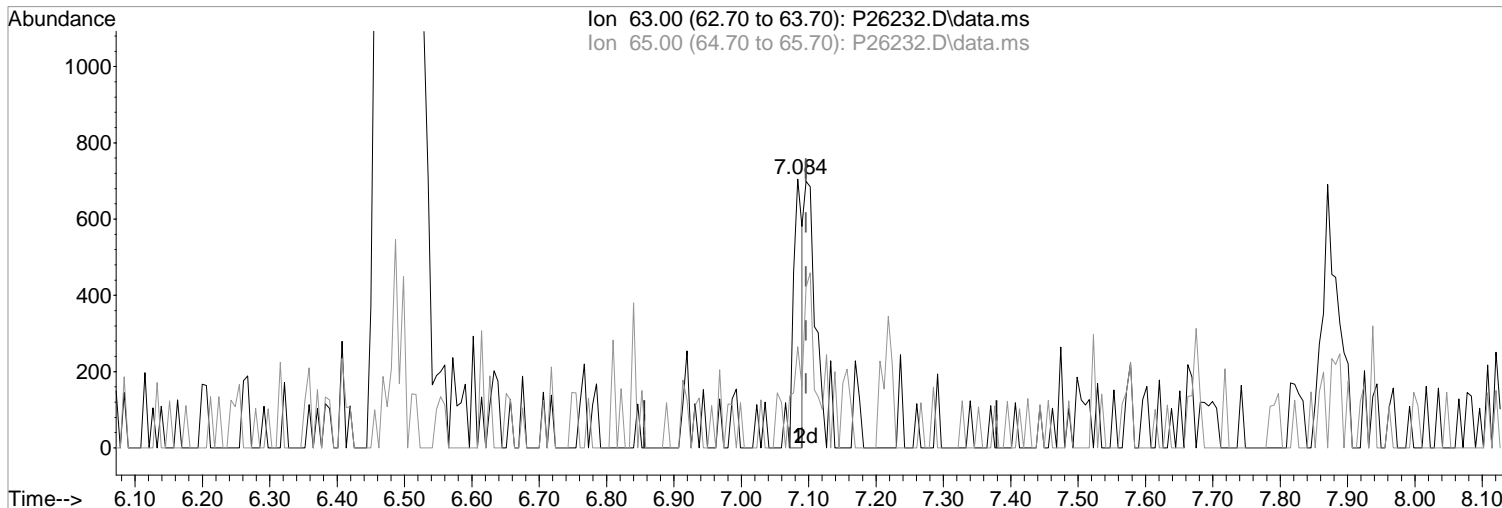
Manual Integration:
After
Split Peak
05/01/19

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.084min (-0.012) 0.20 ppb
response 638

Manual Integration:
Before

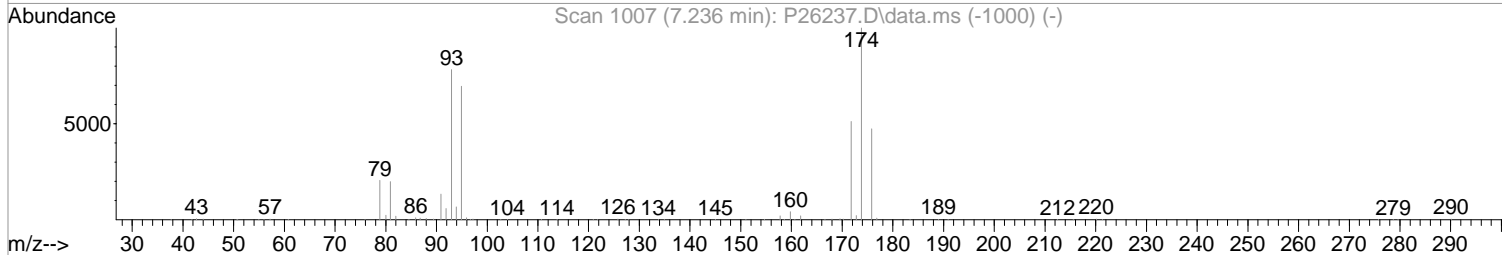
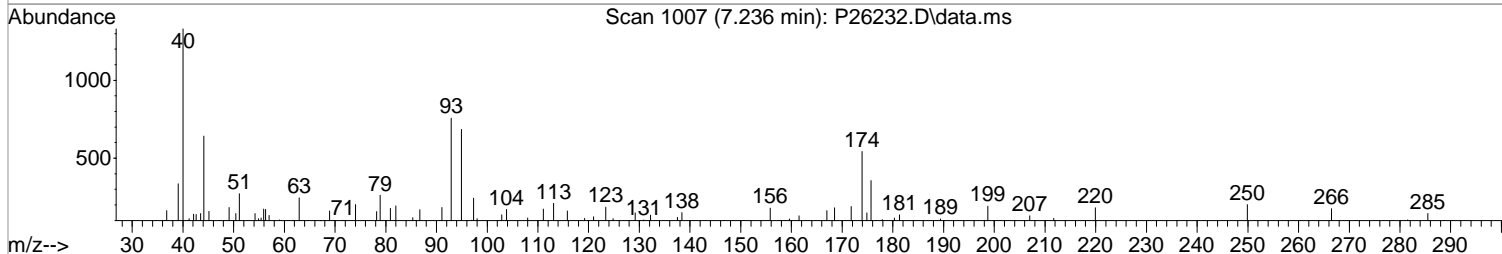
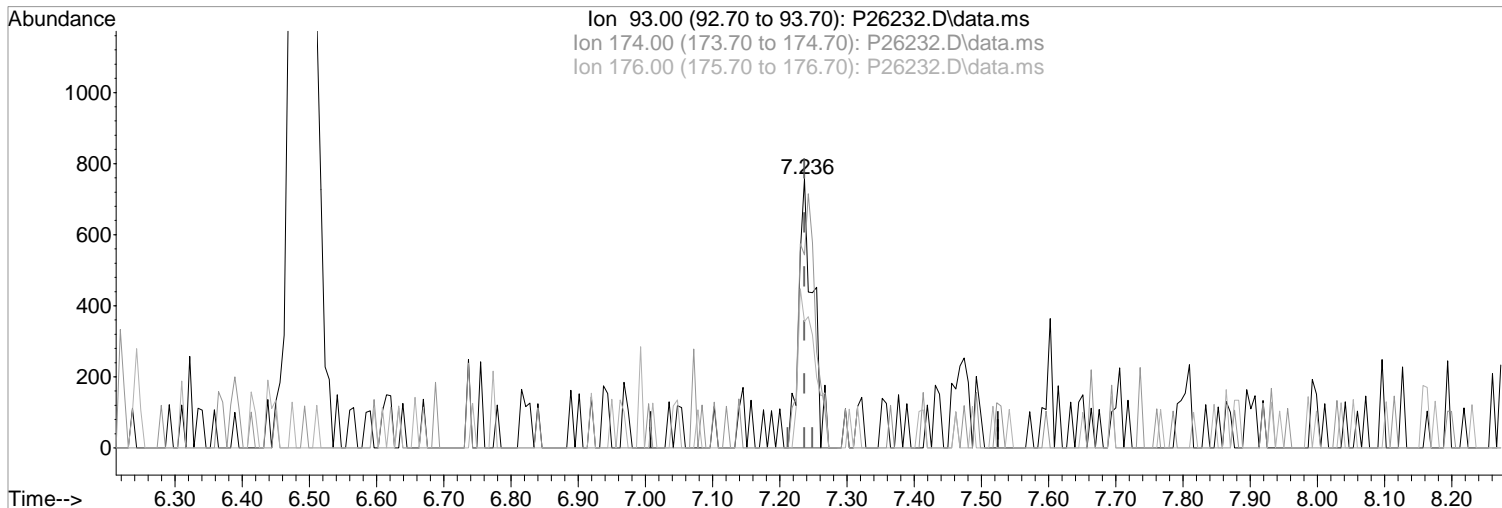
Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(57) Dibromomethane

7.236min (-0.000) 0.50 ppb m

response 1128

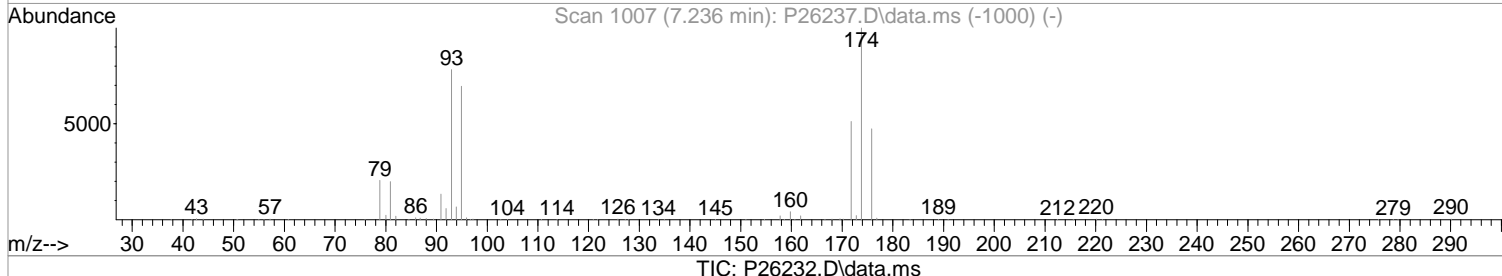
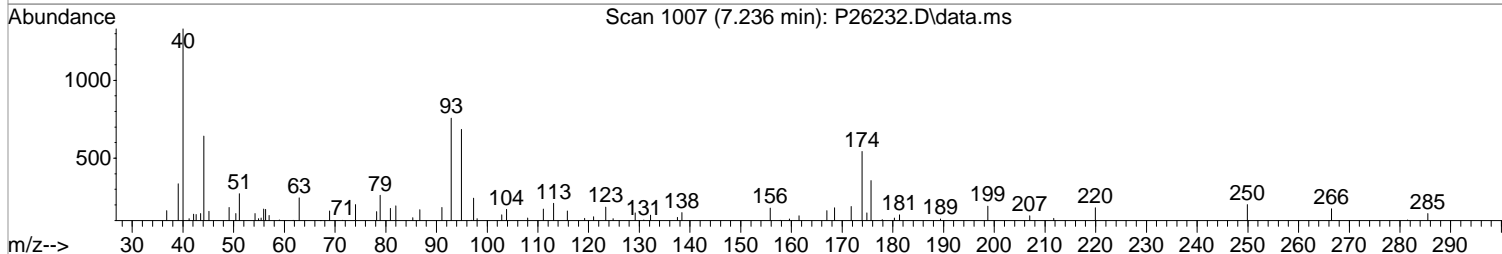
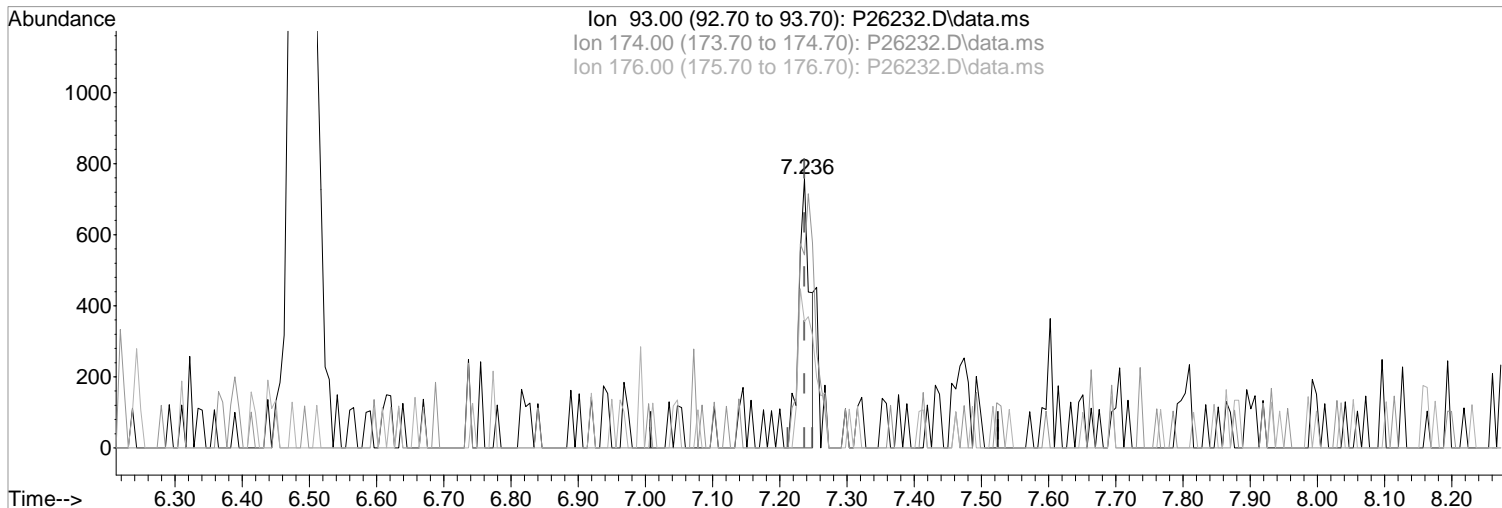
Ion	Exp%	Act%
93.00	100	100
174.00	127.30	71.73#
176.00	60.30	47.03
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



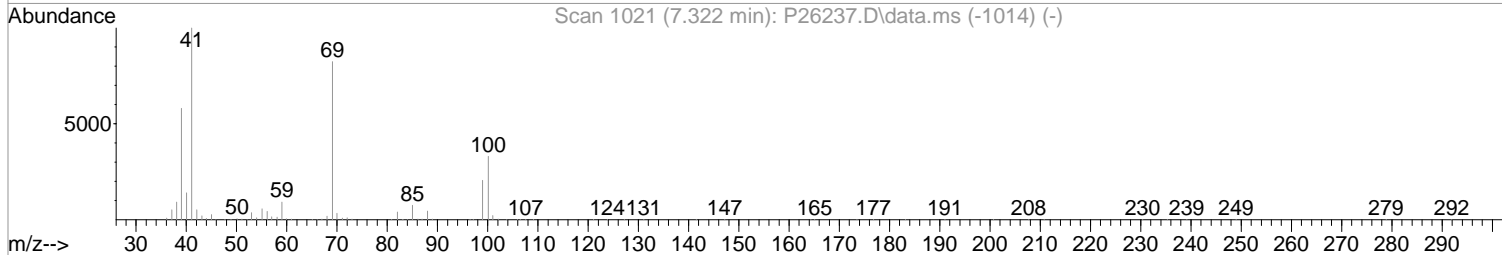
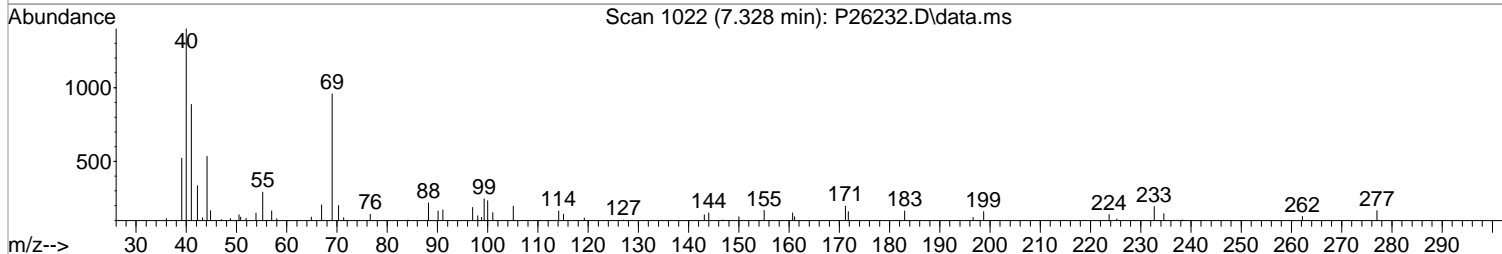
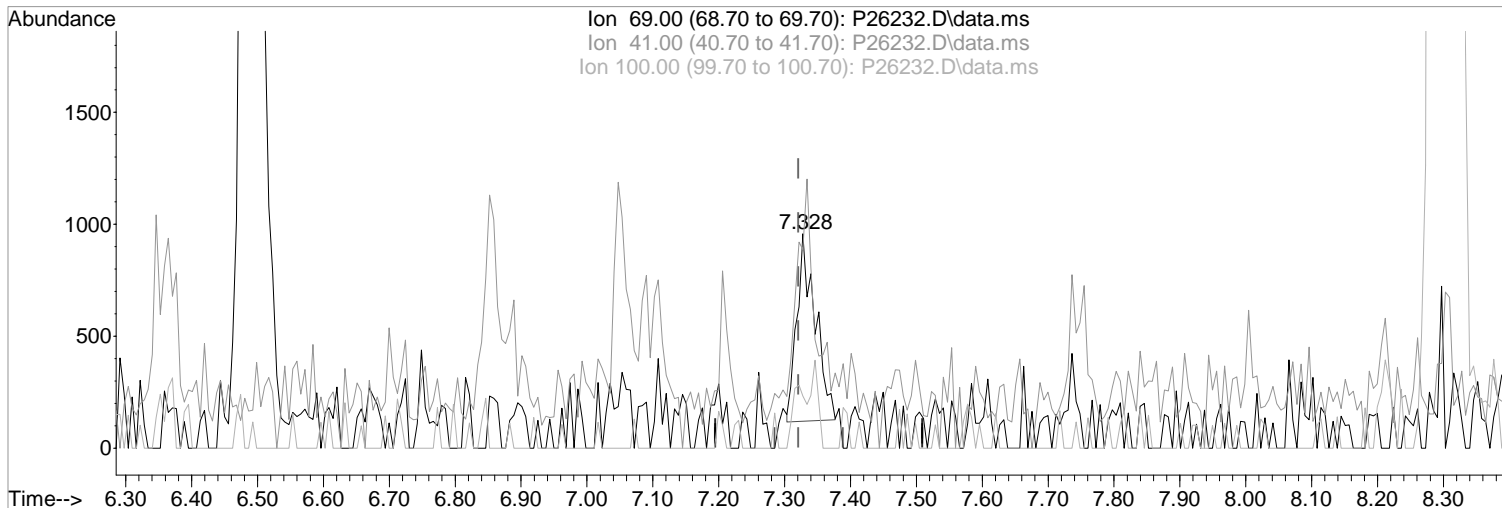
(57) Dibromomethane
7.236min (-0.000) 0.40 ppb
response 898
Ion Exp% Act%
93.00 100 100
174.00 127.30 71.73#
176.00 60.30 47.03
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(59) Methyl Methacrylate
7.328min (+0.007) 0.52 ppb m
response 1632

Manual Integration:
After
Poor integration.

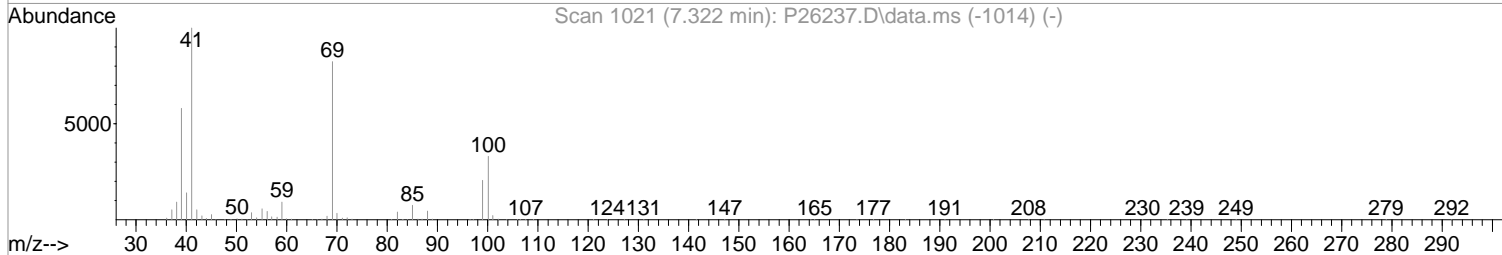
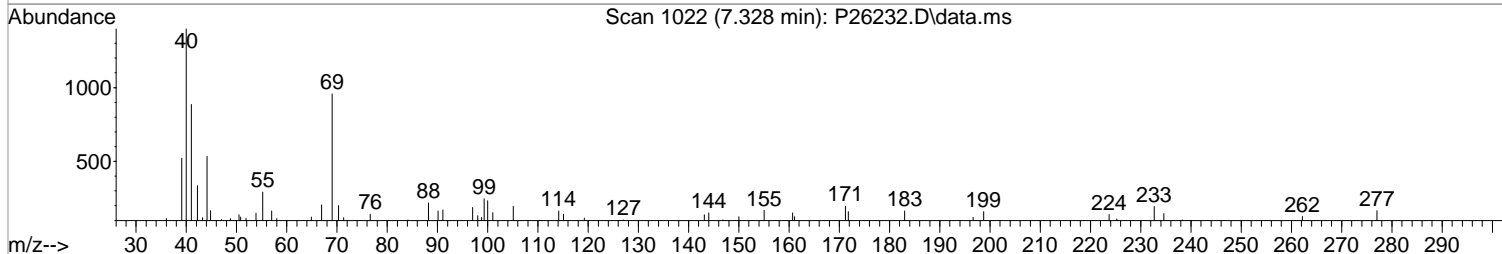
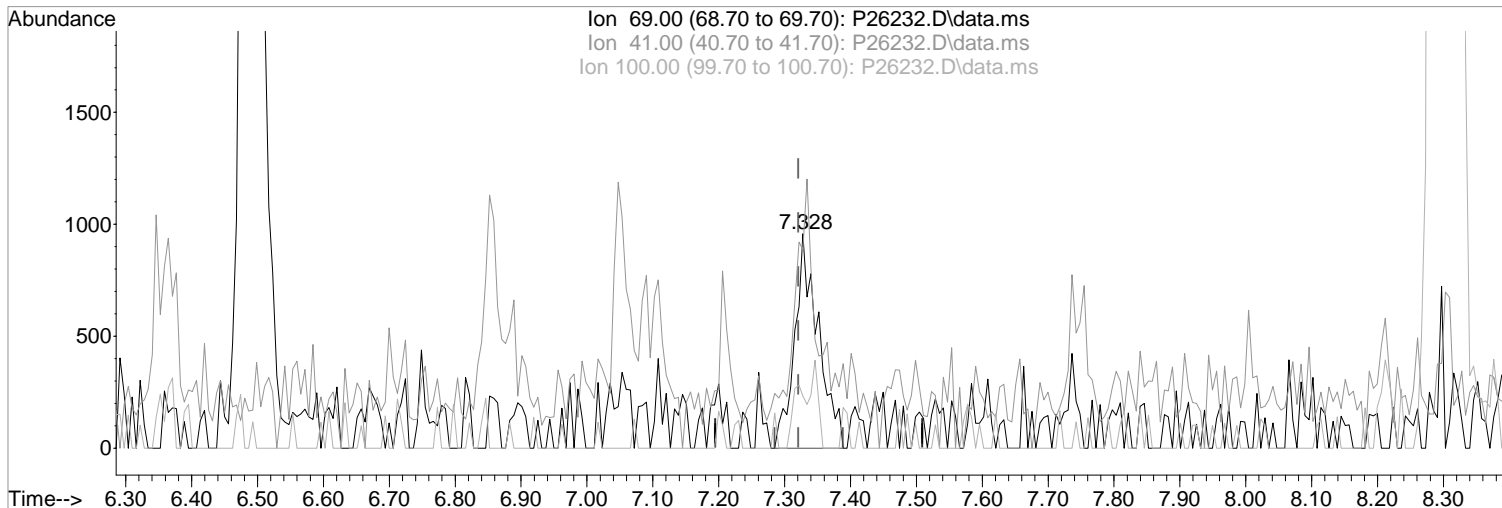
Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(59) Methyl Methacrylate
7.328min (+0.007) 0.76 ppb
response 2388

Manual Integration:
Before

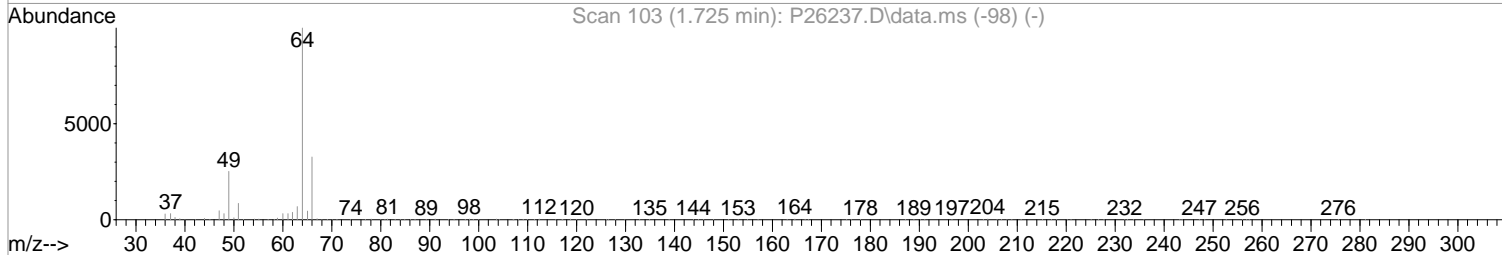
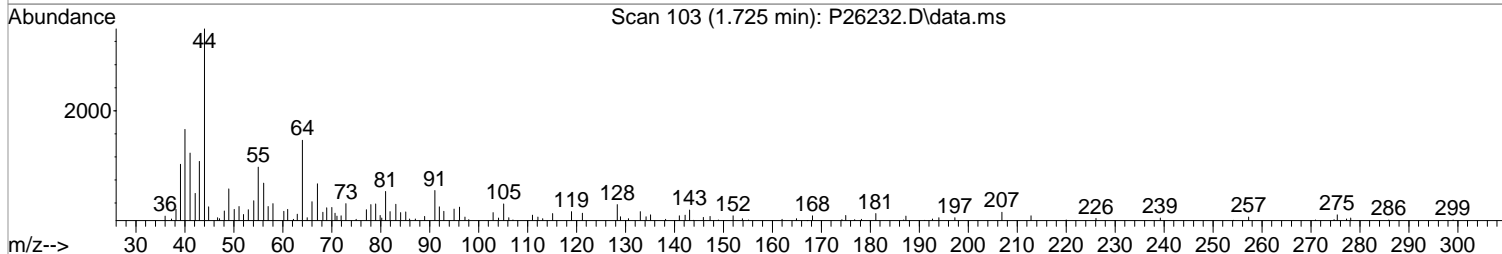
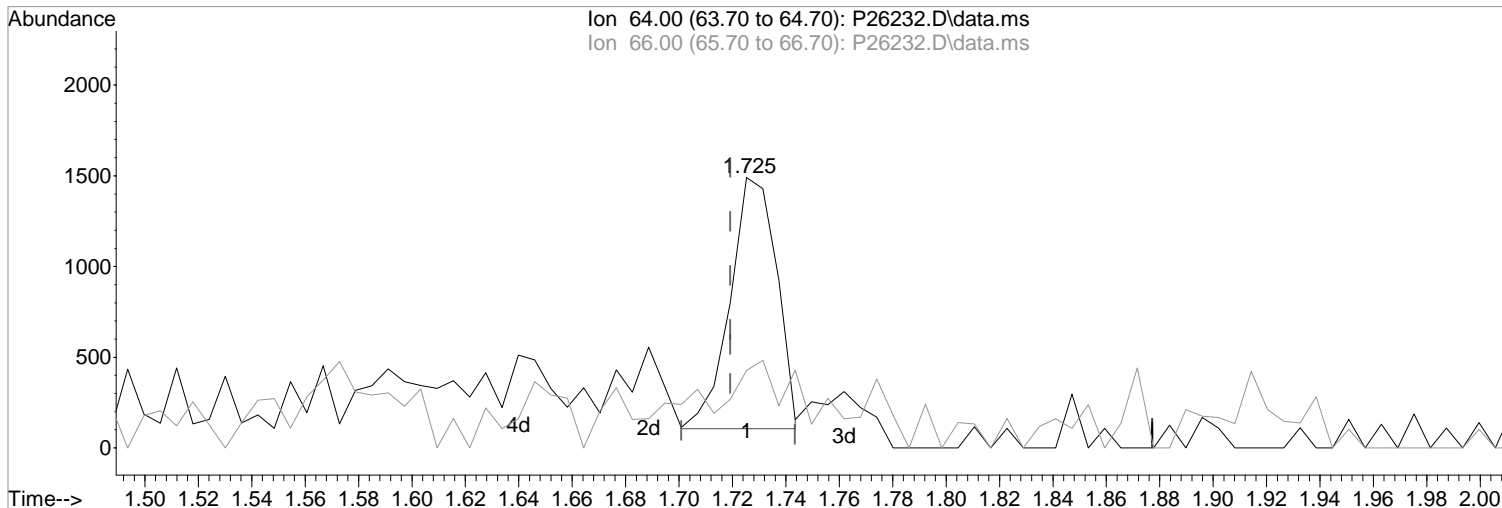
Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(6) Chloroethane (P)

1.725min (+0.006) 0.53 ppb m

response 1679

Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

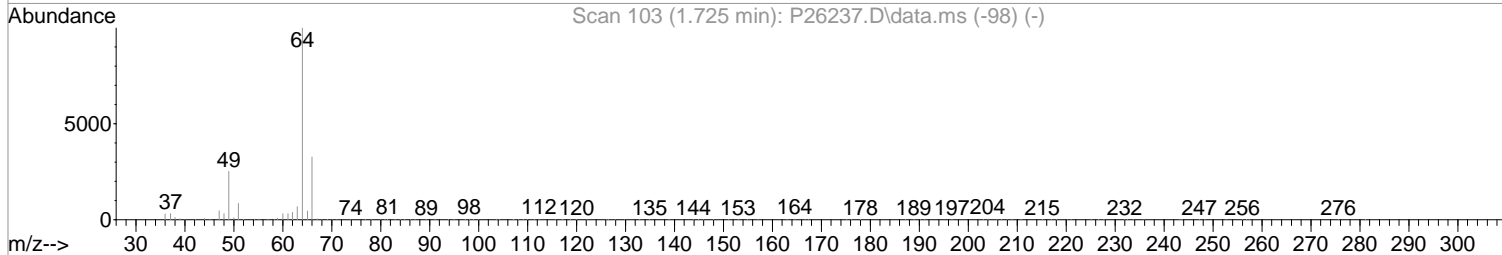
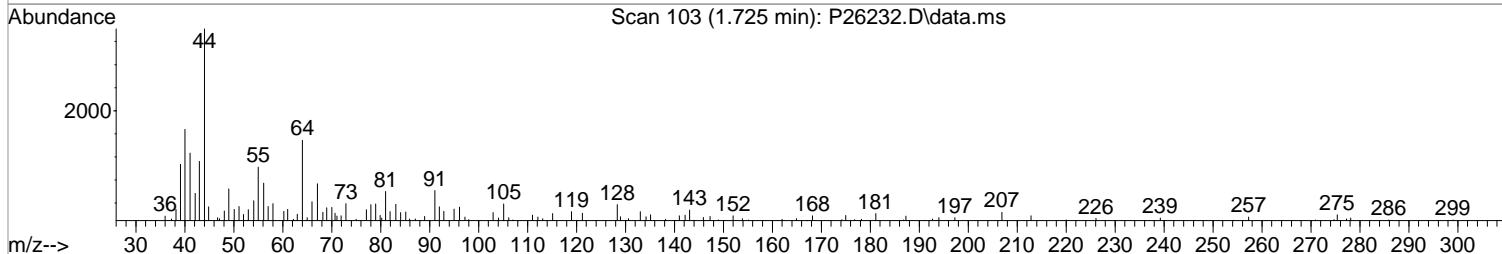
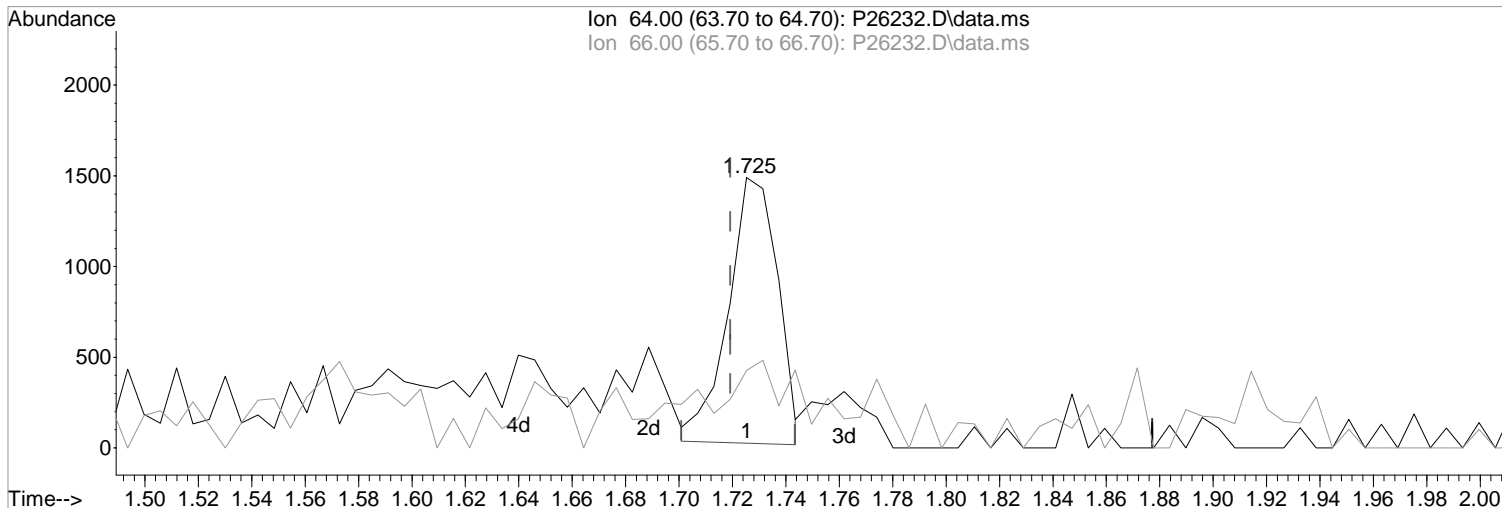
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(6) Chloroethane (P)
1.725min (+0.006) 0.59 ppb
response 1881

Manual Integration:

Before

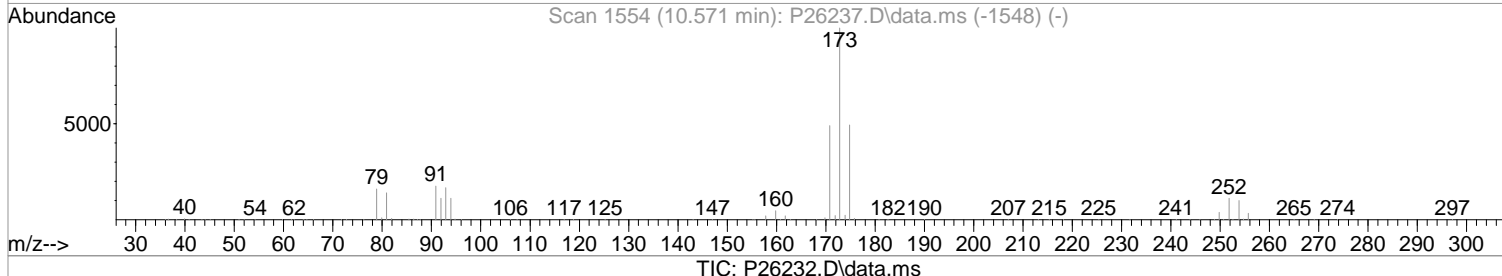
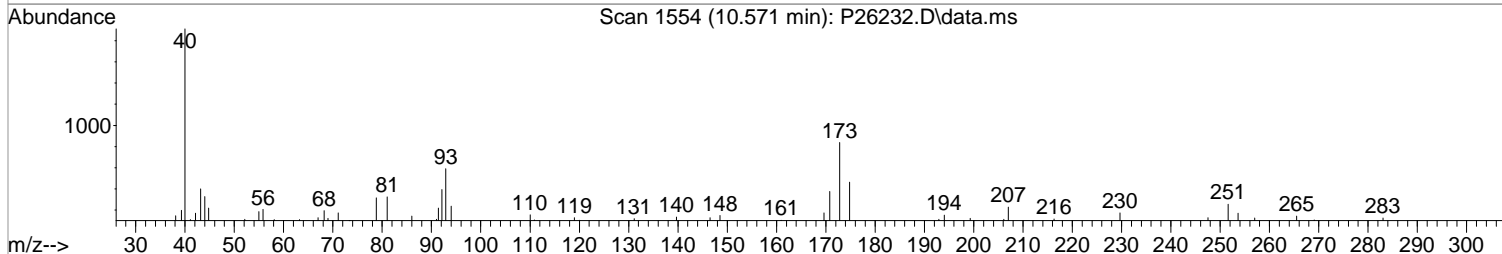
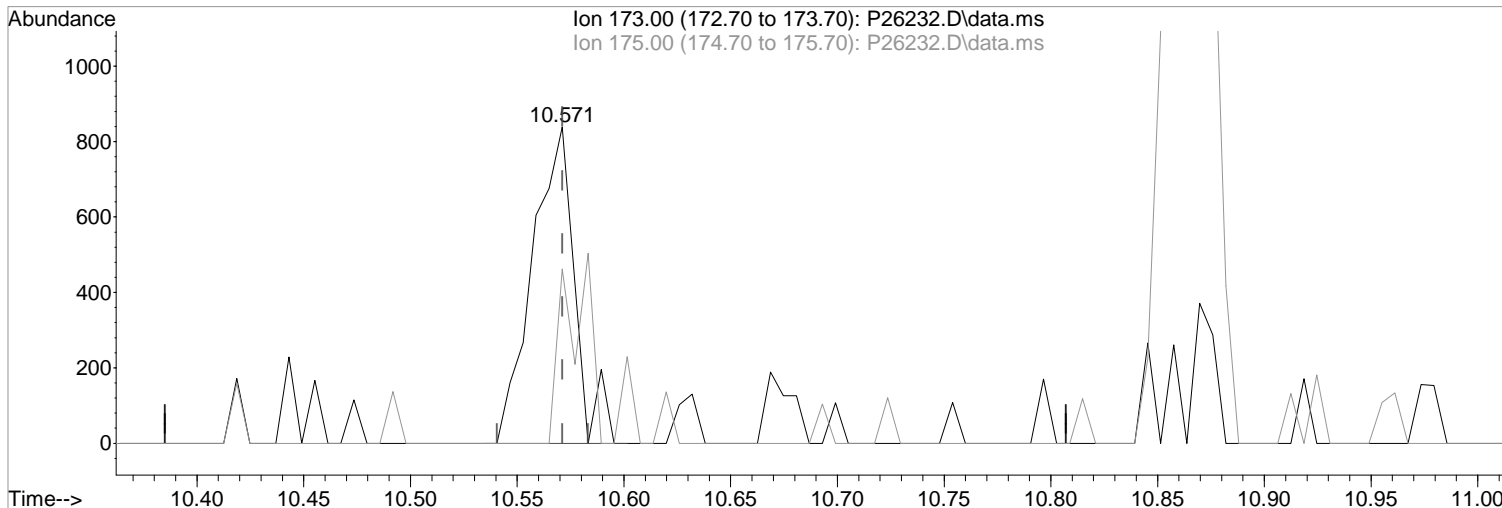
Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(87) Bromoform (P)
10.571min (-0.000) 0.40 ppb m
response 1158

Manual Integration:

After
Split Peak

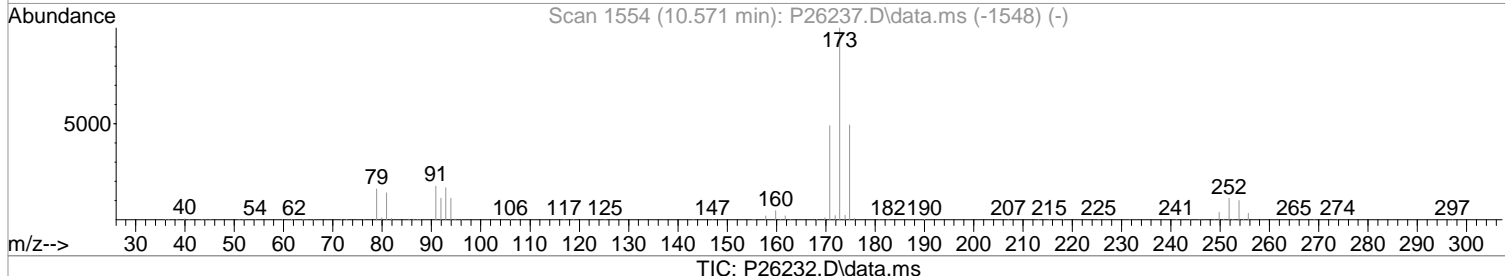
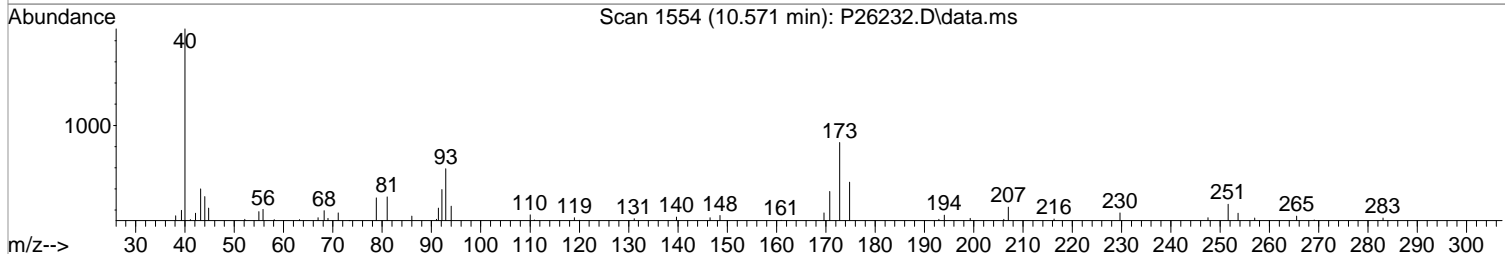
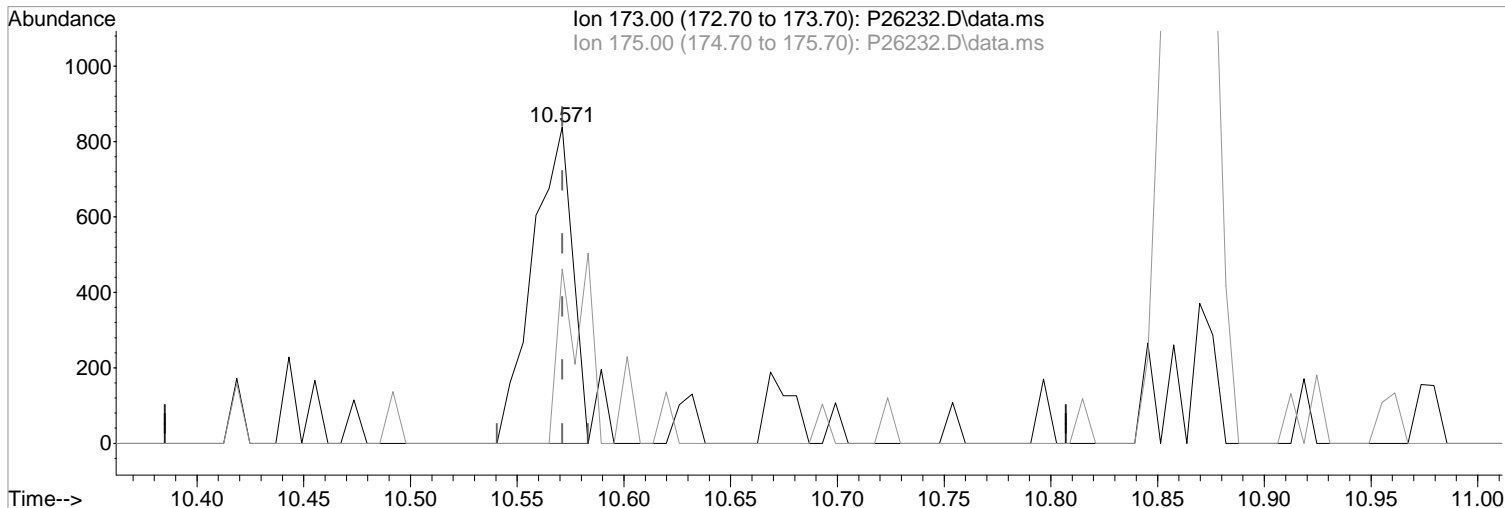
Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(87) Bromoform (P)

Manual Integration:

10.571min (-0.000) 0.38 ppb

Before

response 1086

Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	365748	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	511994	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	456203	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	246989	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	33238	11.29	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	22.58%#		
48) surr1,1,2-dichloroetha...	5.792	65	40490	12.61	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	25.22%#		
65) SURR3,Toluene-d8	8.303	98	150653	12.33	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	24.66%#		
70) SURR2,BFB	10.864	95	53478	11.20	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	22.40%#		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	1723	0.50	ppb		88
3) Chloromethane	1.341	50	1663	0.53	ppb		86
4) Vinyl Chloride	1.420	62	2149m	0.56	ppb		
5) Bromomethane	1.658	94	2304	0.60	ppb		80
6) Chloroethane	1.725	64	1679m	0.53	ppb		
7) Freon 21	1.872	67	2873	0.52	ppb		92
8) Trichlorofluoromethane	1.920	101	2450	0.51	ppb		96
9) Diethyl Ether	2.158	59	1673	0.60	ppb	#	62
10) Freon 123a	2.164	67	1774m	0.52	ppb		
11) Freon 123	2.213	83	2208	0.56	ppb		98
12) Acrolein	2.249	56	1641m	2.49	ppb		
13) 1,1-Dicethene	2.347	96	1716m	0.56	ppb		
14) Freon 113	2.353	101	1415	0.53	ppb		85
16) 2-Propanol	2.518	45	3642	9.61	ppb		77
17) Iodomethane	2.481	142	985m	0.29	ppb		
18) Carbon Disulfide	2.536	76	3885	0.53	ppb		85
20) Allyl Chloride	2.676	76	1042m	0.65	ppb		
21) Methyl Acetate	2.695	43	1320	0.42	ppb		96
22) Methylene Chloride	2.792	84	1891m	0.56	ppb		
23) TBA	2.914	59	6126	8.77	ppb		91
24) Acrylonitrile	3.042	53	3216m	2.02	ppb		
25) Methyl-t-Butyl Ether	3.097	73	5632	0.51	ppb		81
26) trans-1,2-Dichloroethene	3.091	96	1895m	0.57	ppb		
28) 1,1-Dicethane	3.579	63	2694	0.49	ppb		83
30) DIPE	3.713	45	4533	0.53	ppb		85
31) 2-Chloro-1,3-Butadiene	3.707	53	2382	0.58	ppb		76
32) ETBE	4.237	59	4310m	0.46	ppb		
33) 2,2-Dichloropropane	4.408	77	2501m	0.50	ppb		
34) cis-1,2-Dichloroethene	4.420	96	2083m	0.53	ppb		
36) Propionitrile	4.554	54	1858m	2.57	ppb		
37) Bromochloromethane	4.798	130	1529m	0.58	ppb		
40) Chloroform	4.993	83	3509m	0.61	ppb		
41) 1,1,1-Trichloroethane	5.273	97	2936m	0.54	ppb		
42) TAME	6.109	73	5294	0.53	ppb		83
46) Carbontetrachloride	5.566	117	1963	0.44	ppb		91
47) 1,1-Dichloropropene	5.572	75	2156m	0.52	ppb		
49) Benzene	5.877	78	7191	0.54	ppb		86
50) 1,2-Dichloroethane	5.920	62	2593	0.55	ppb		77
51) Iso-Butyl Alcohol	5.895	43	2743	9.62	ppb		92

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) n-Heptane	6.371	43	2815	0.80	ppb	# 62
53) 1-Butanol	6.858	56	3595m	18.49	ppb	
54) Trichloroethene	6.810	130	2049	0.50	ppb	# 82
55) Methylcyclohexane	7.053	55	2287m	0.59	ppb	
56) 1,2-Dicloropropane	7.084	63	1419m	0.45	ppb	
57) Dibromomethane	7.236	93	1128m	0.50	ppb	
59) Methyl Methacrylate	7.328	69	1632m	0.52	ppb	
60) Bromodichloromethane	7.462	83	2337	0.53	ppb	92
62) 2-Chloroethylvinyl Ether	7.870	63	1147	0.51	ppb	89
63) cis-1,3-Dichloropropene	8.004	75	2855	0.50	ppb	85
64) 4-Methyl-2-pentanone	8.212	43	1657	0.41	ppb	91
66) Toluene	8.376	91	7794	0.52	ppb	94
67) trans-1,3-Dichloropropene	8.651	75	2546	0.50	ppb	94
68) Ethyl Methacrylate	8.791	69	2666	0.49	ppb	100
69) 1,1,2-Trichloroethane	8.827	97	1816	0.50	ppb	# 73
72) Tetrachloroethene	8.962	164	1696	0.52	ppb	93
74) 1,3-Dichloropropane	8.998	76	2992	0.54	ppb	# 72
75) Dibromochloromethane	9.224	129	2083	0.52	ppb	# 81
76) N-Butyl Acetate	9.279	43	3522	0.60	ppb	77
77) 1,2-Dibromoethane	9.321	107	1774	0.48	ppb	# 60
78) Chlorobenzene	9.815	112	4498	0.45	ppb	85
79) 3-CBTF	9.833	180	2777	0.48	ppb	# 73
80) 4-CBTF	9.888	180	2690	0.51	ppb	83
81) 1,1,1,2-Tetrachloroethane	9.907	131	2054	0.53	ppb	# 78
82) Ethylbenzene	9.943	106	2416	0.45	ppb	# 84
83) (m+p)Xylene	10.053	106	6256	0.93	ppb	89
84) o-Xylene	10.406	106	3563	0.52	ppb	88
85) Styrene	10.425	104	4949	0.47	ppb	97
87) Bromoform	10.571	173	1158m	0.40	ppb	
88) 2-CBTF	10.650	180	2894	0.53	ppb	99
89) Isopropylbenzene	10.742	105	8205	0.53	ppb	81
90) Cyclohexanone	10.803	55	6232	8.04	ppb	90
91) trans-1,4-Dichloro-2-B...	11.053	53	836	0.65	ppb	90
92) 1,1,2,2-Tetrachloroethane	10.998	83	2234	0.48	ppb	95
93) Bromobenzene	10.992	156	2509	0.54	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	854	0.48	ppb	# 67
95) n-Propylbenzene	11.095	91	9161	0.54	ppb	97
96) 2-Chlorotoluene	11.162	91	6240	0.60	ppb	95
97) 3-Chlorotoluene	11.217	91	4847	0.49	ppb	# 97
98) 4-Chlorotoluene	11.254	91	6585	0.55	ppb	84
99) 1,3,5-Trimethylbenzene	11.254	105	7094	0.54	ppb	86
100) tert-Butylbenzene	11.522	119	6224	0.52	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	6308	0.49	ppb	95
102) 3,4-DCBTF	11.626	214	2003	0.43	ppb	89
103) sec-Butylbenzene	11.705	105	9004	0.54	ppb	92
104) p-Isopropyltoluene	11.827	119	7953	0.55	ppb	98
105) 1,3-Dclbenz	11.784	146	4284	0.51	ppb	96
106) 1,4-Dclbenz	11.857	146	4080	0.48	ppb	# 62
107) 2,4-DCBTF	11.918	214	2115	0.51	ppb	# 83
108) 2,5-DCBTF	11.949	214	2156	0.46	ppb	# 71
109) n-Butylbenzene	12.162	91	6787	0.56	ppb	96
110) 1,2-Dclbenz	12.162	146	3979	0.48	ppb	# 72
111) 1,2-Dibromo-3-chloropr...	12.778	157	931	0.56	ppb	# 69
112) Trielution Dichlorotol...	12.900	125	9742	1.39	ppb	87
113) 1,3,5 Trichlorobenzene	12.955	180	3311	0.50	ppb	88
114) Coelution Dichlorotoluene	13.229	125	8050	1.03	ppb	# 91

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

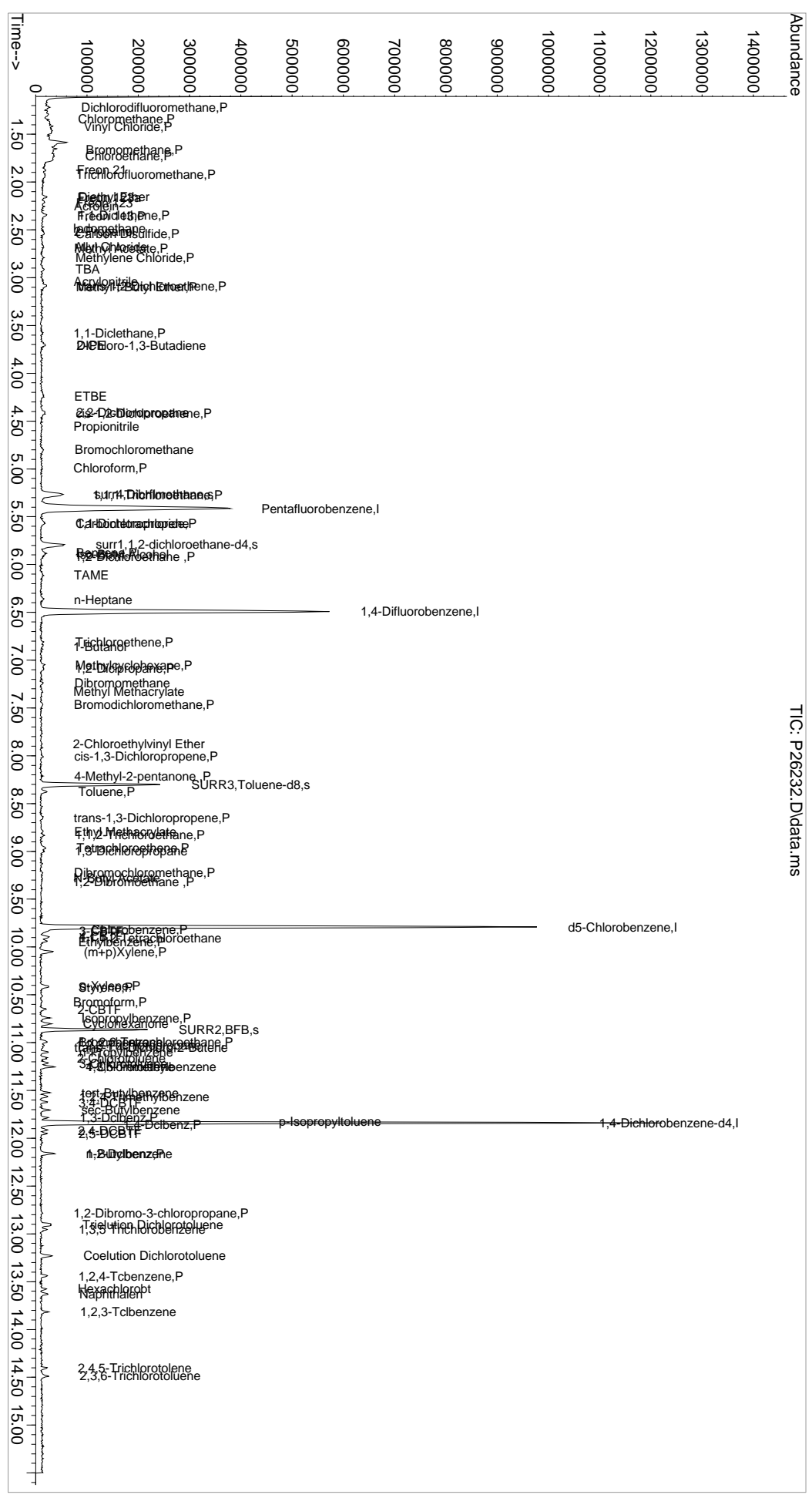
Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
115) 1,2,4-Tcbenzene	13.442	180	3553	0.51	ppb	96
116) Hexachlorobt	13.577	225	1478	0.49	ppb #	84
117) Naphthalen	13.631	128	9310	0.46	ppb	94
118) 1,2,3-Tclbenzene	13.814	180	3067	0.42	ppb #	76
119) 2,4,5-Trichlorotolene	14.406	159	2309m	0.52	ppb	
120) 2,3,6-Trichlorotoluene	14.485	159	3073	0.59	ppb	95

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

1st 05/01/19
Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Disc : 8260/624 ICAL
PALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

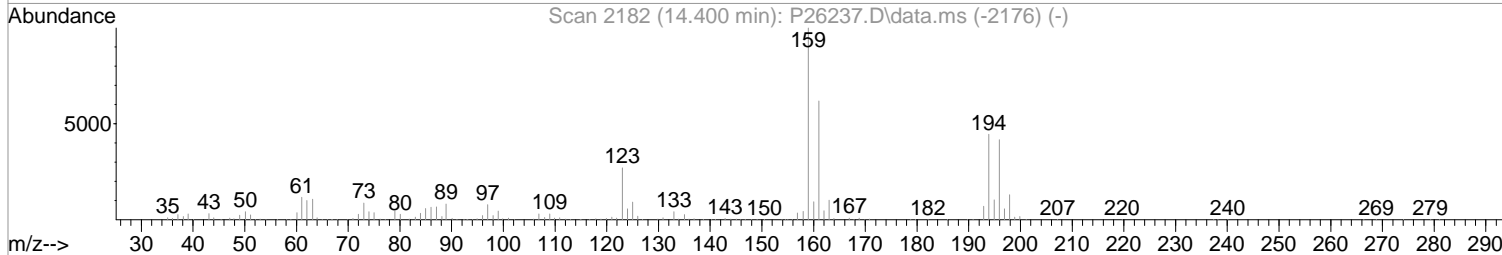
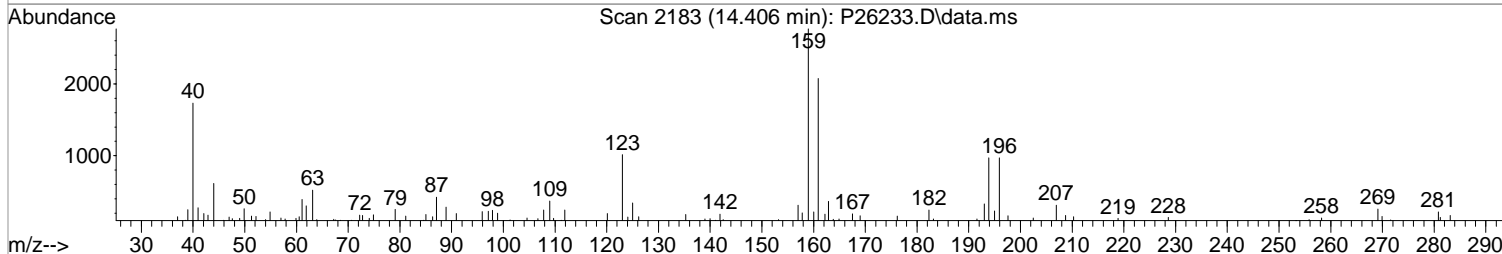
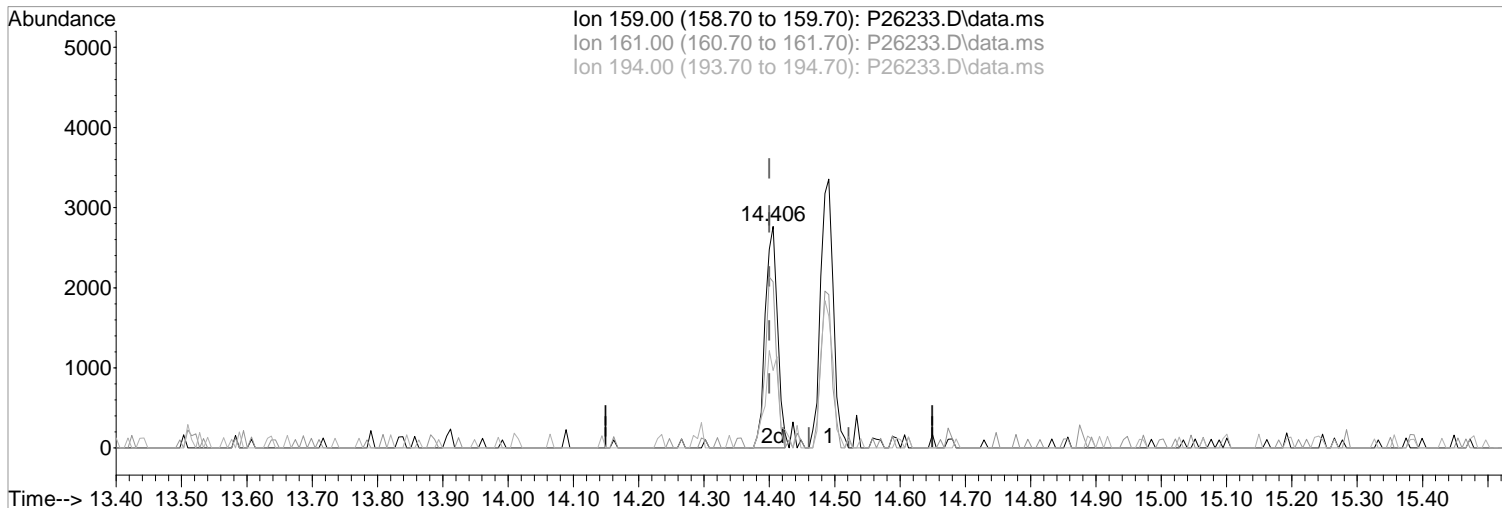
Quant Time: May 01 16:45:02 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10mL Purge
Quant Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(119) 2,4,5-Trichlorotolene
14.406min (+0.006) 0.88 ppb m
response 3660

Manual Integration:
After
Wrong peak selected.

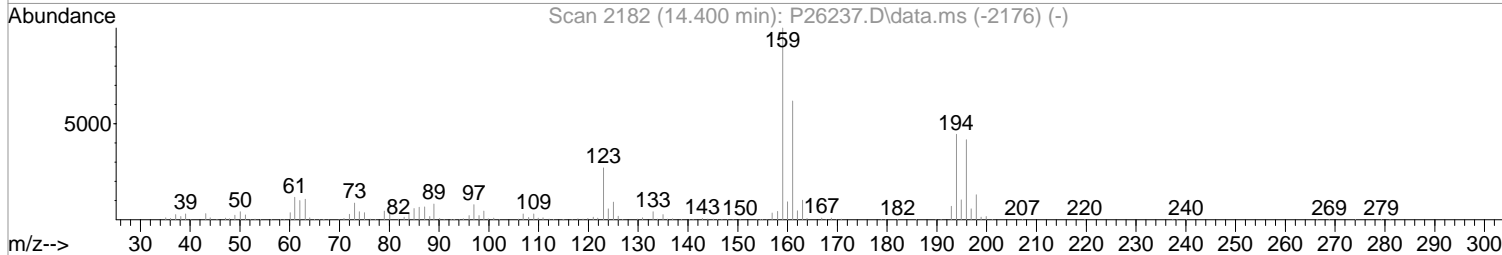
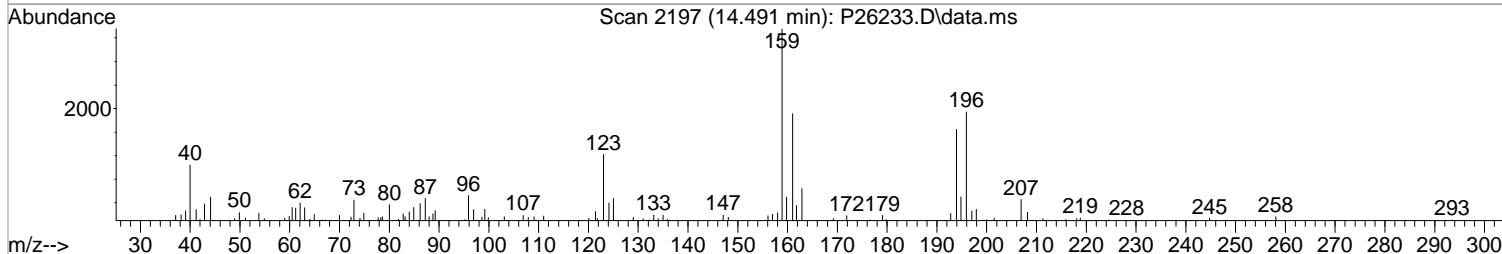
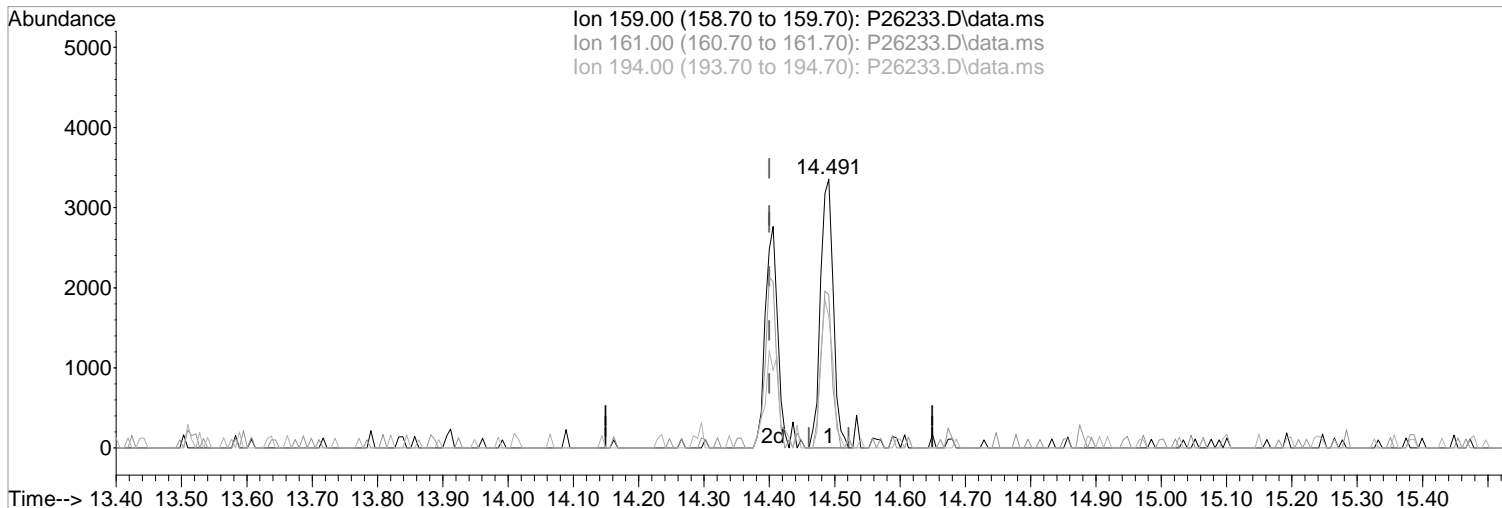
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	74.92#
194.00	44.50	35.02#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(119) 2,4,5-Trichlorotolene
14.491min (+0.091) 1.10 ppb
response 4567

Manual Integration:
Before

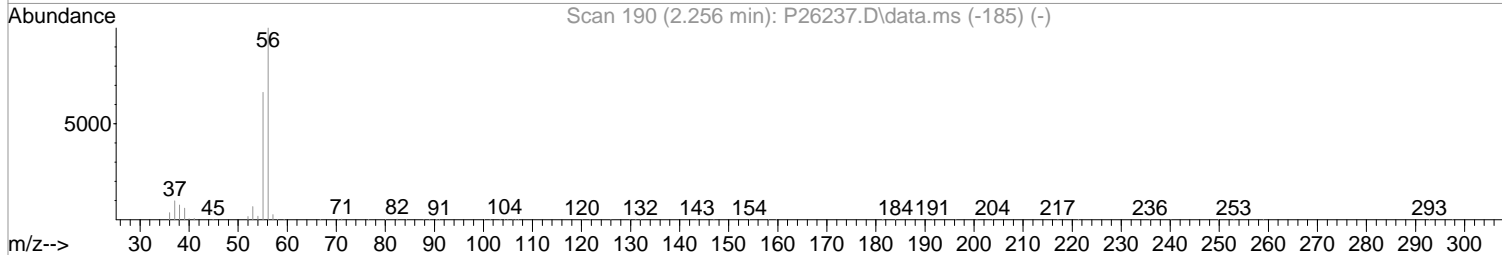
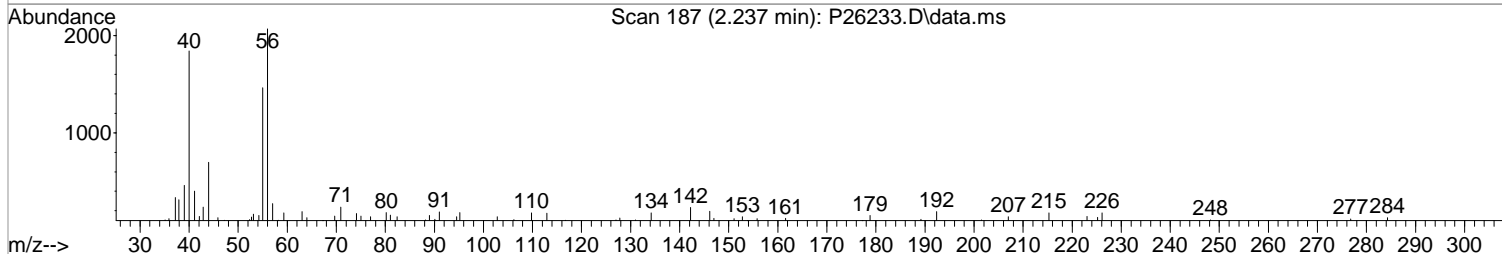
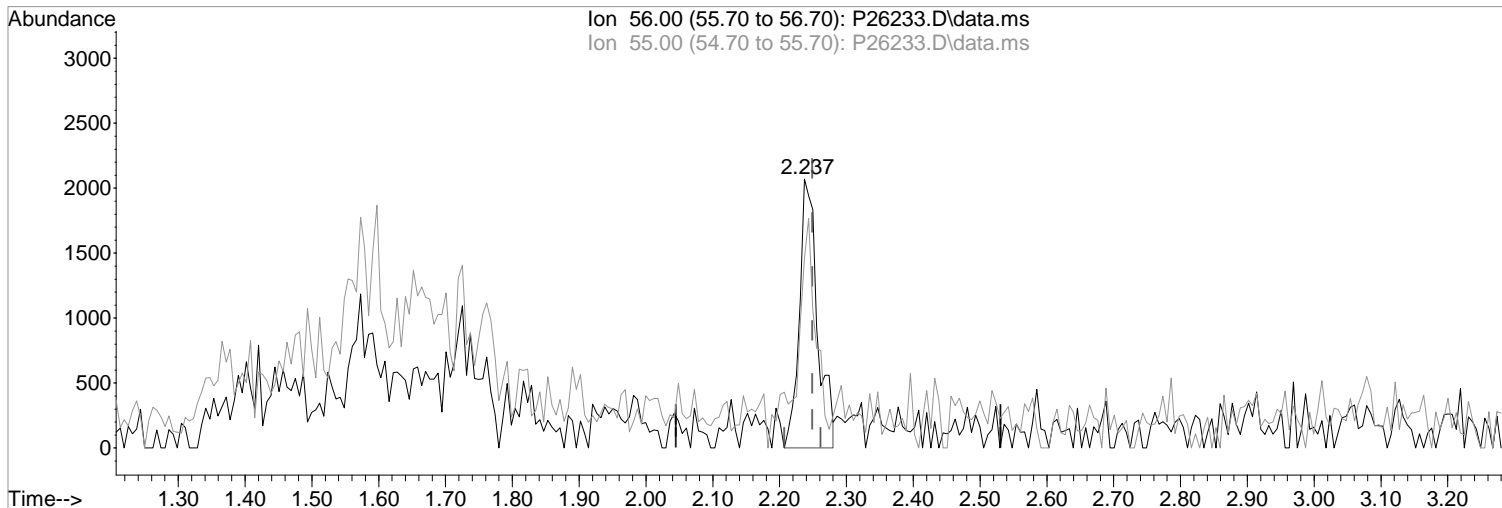
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.02
194.00	44.50	49.09
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein

2.237min (-0.012) 6.20 ppb m
response 3922

Manual Integration:

After

Poor integration.

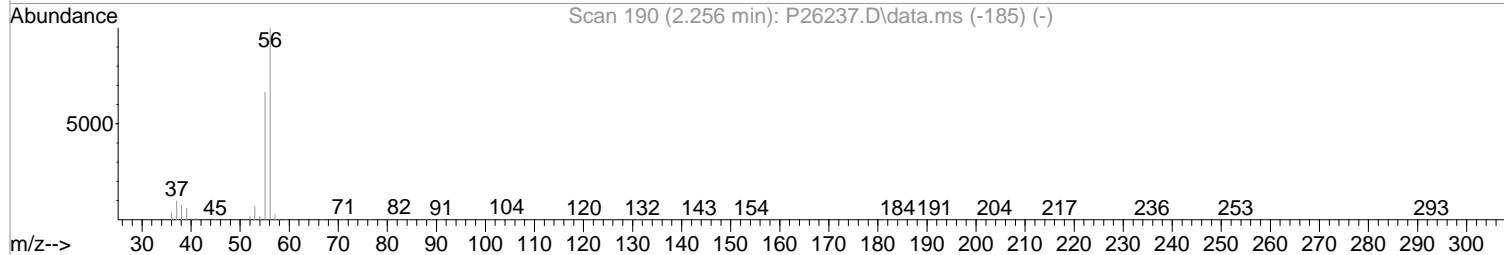
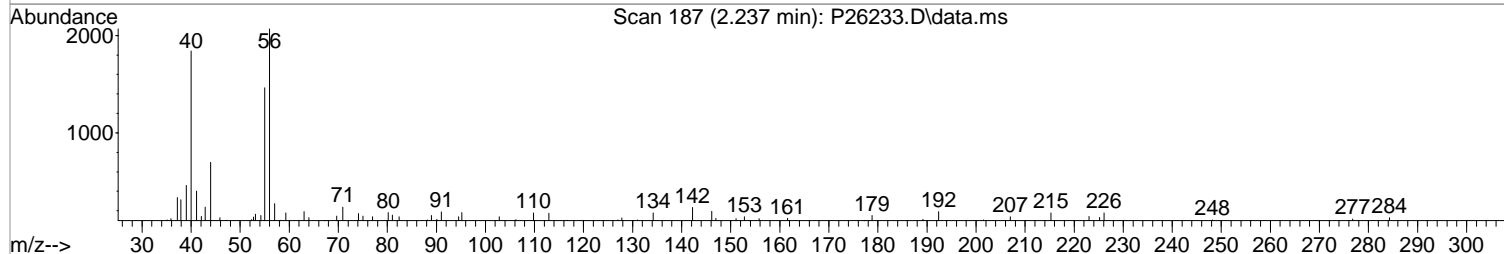
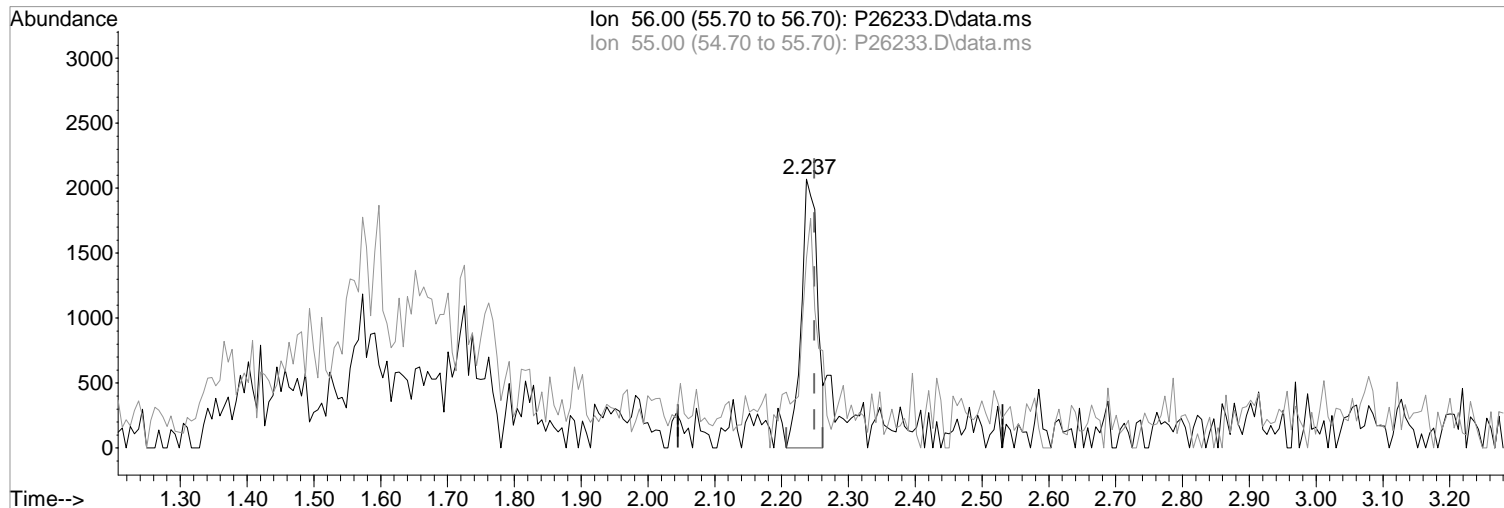
05/01/19

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein

Manual Integration:

2.237min (-0.012) 5.44 ppb

Before

response 3441

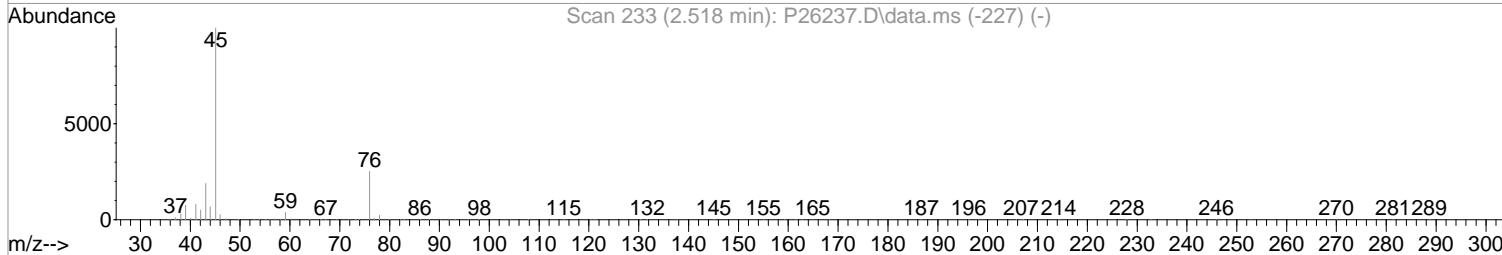
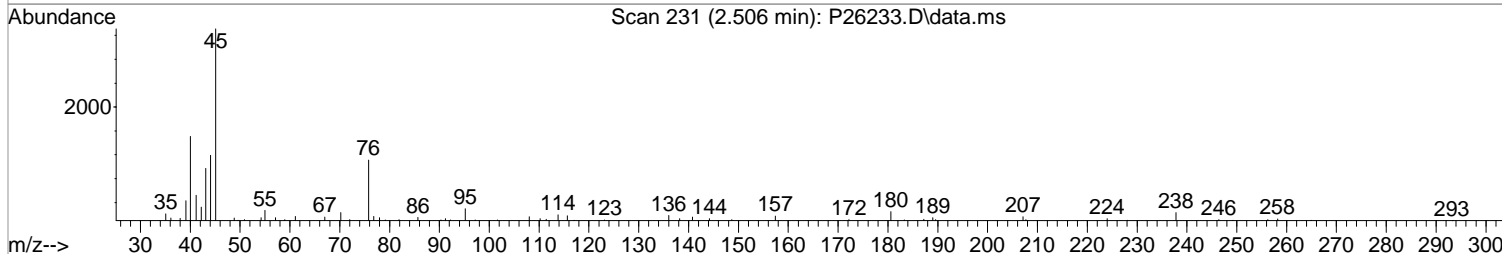
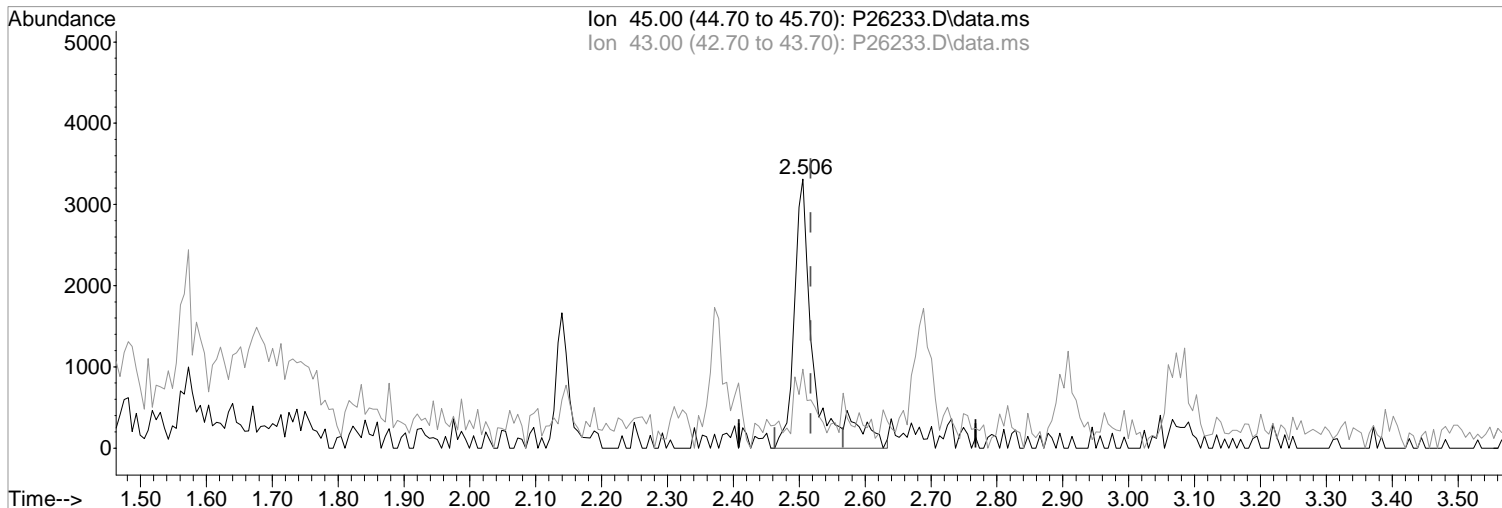
Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 18.82 ppb m
response 6859

Manual Integration:
After
Poor integration.

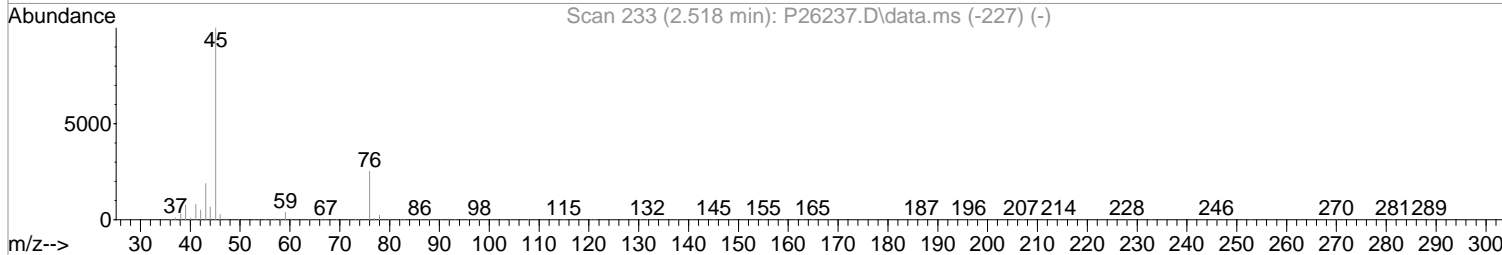
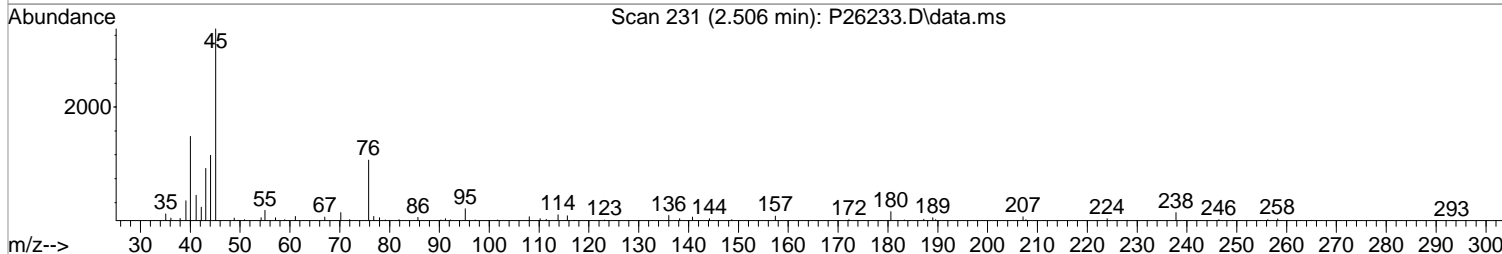
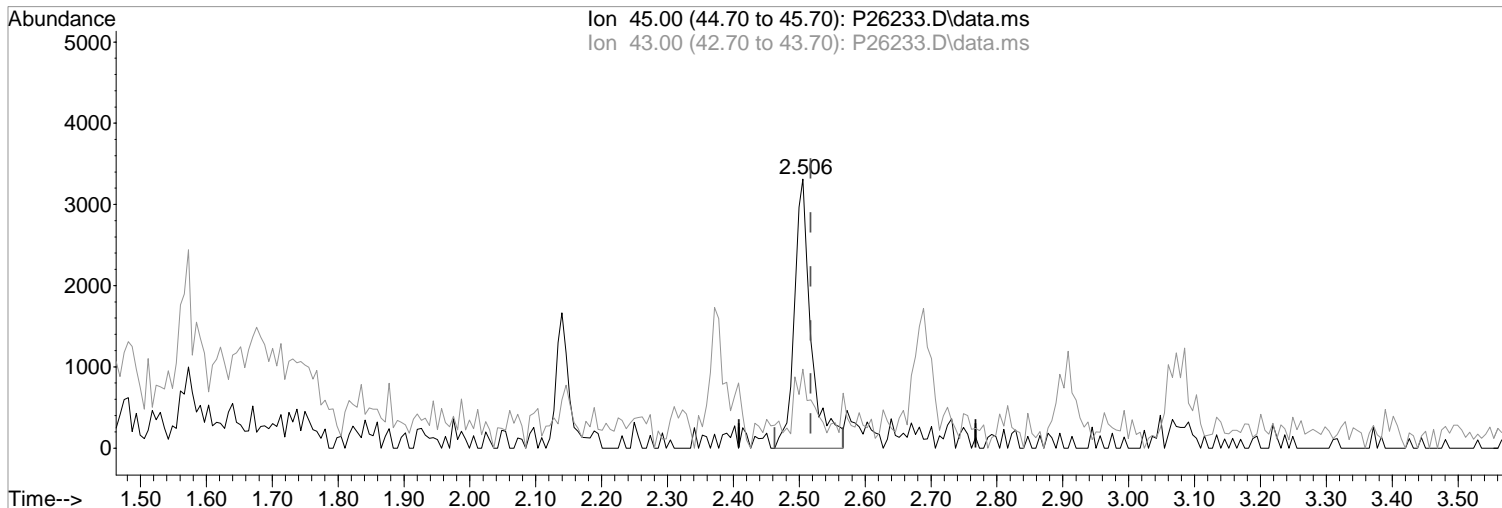
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 16.28 ppb
response 5931

Manual Integration:
Before

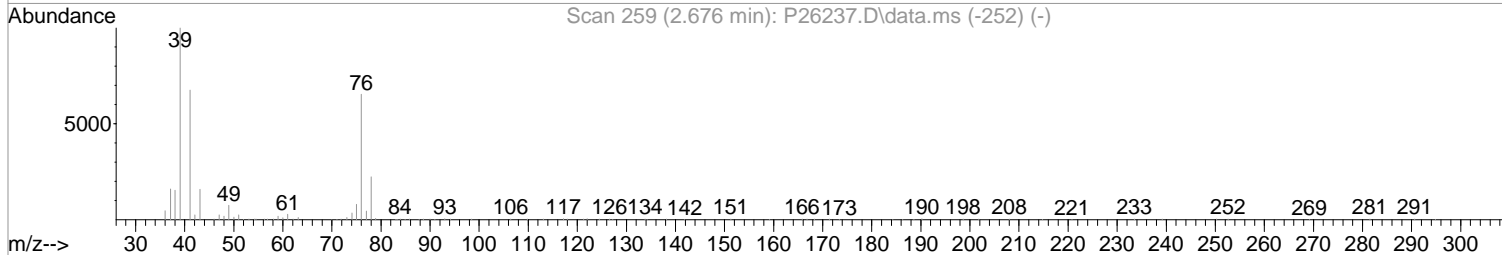
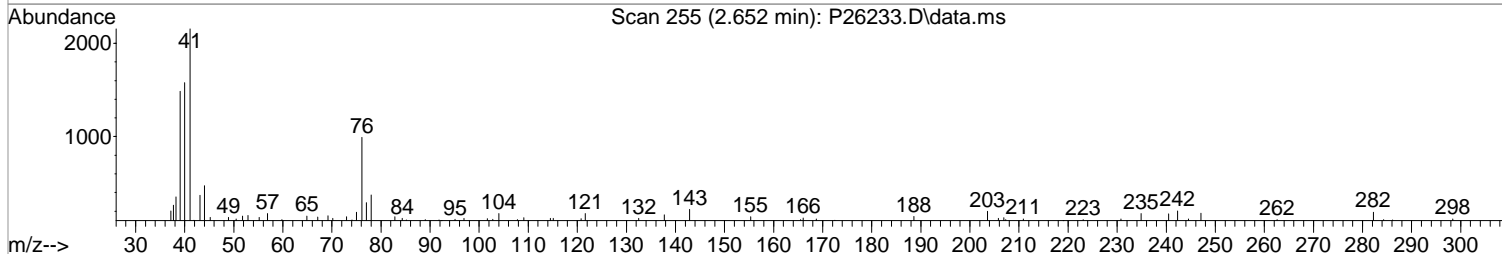
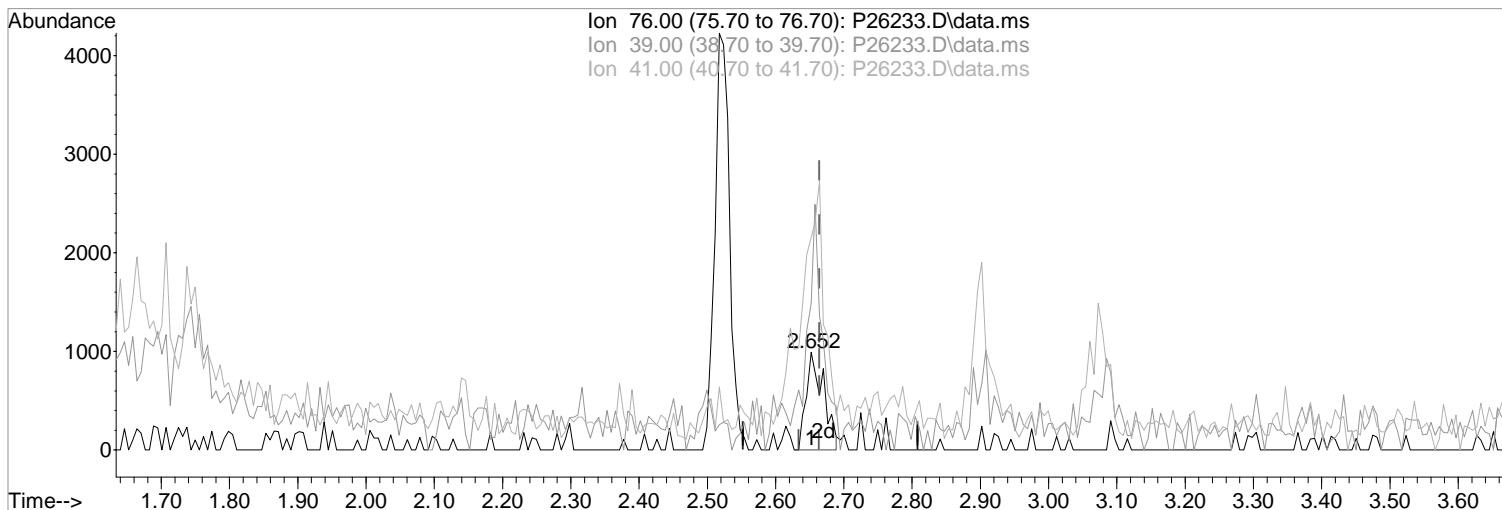
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(20) Allyl Chloride

2.652min (-0.012) 1.15 ppb m
response 1765

Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

Manual Integration:

After

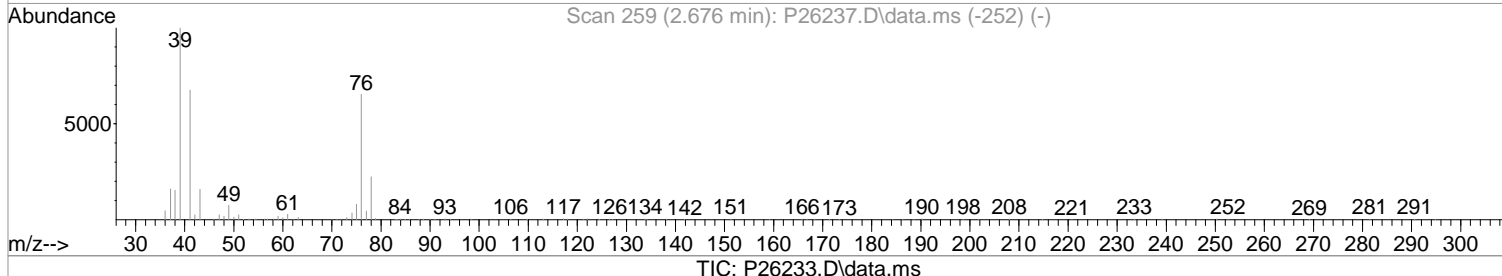
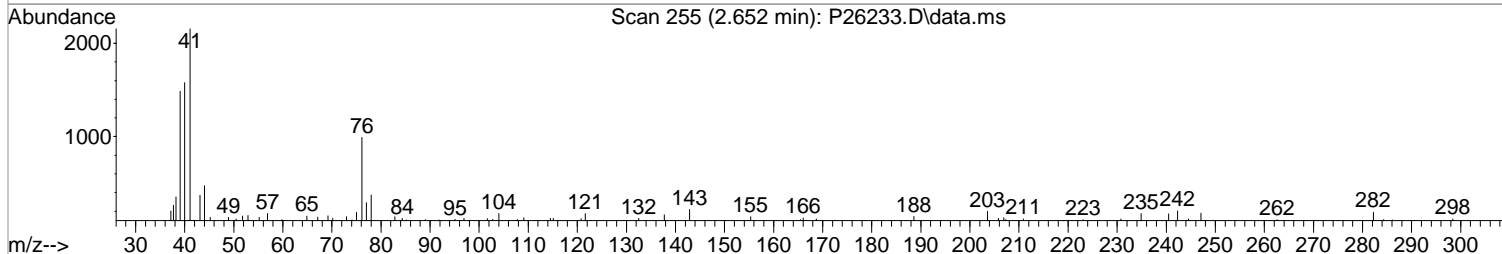
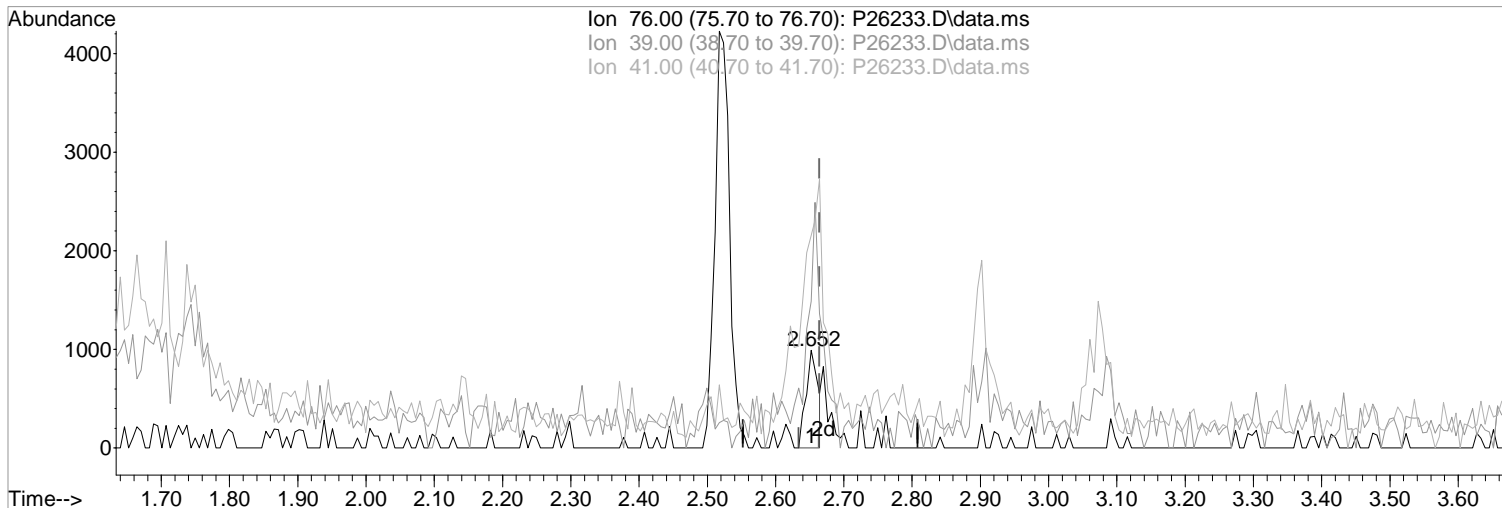
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(20) Allyl Chloride

2.652min (-0.012) 0.77 ppb

response 1183

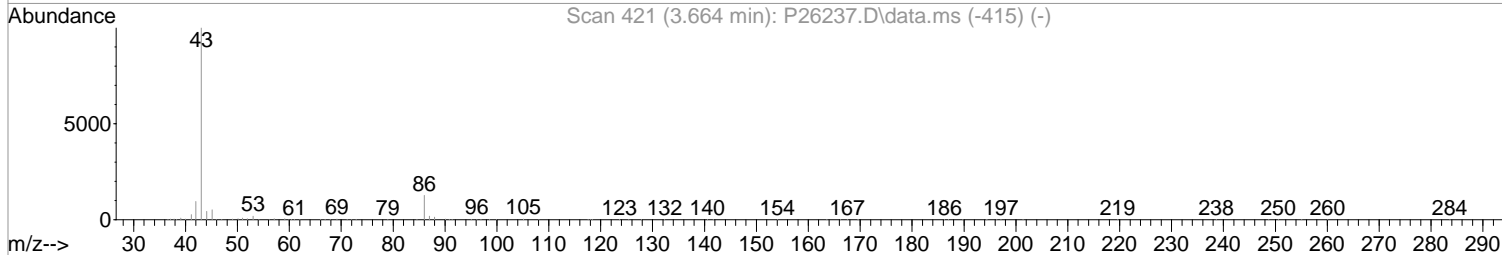
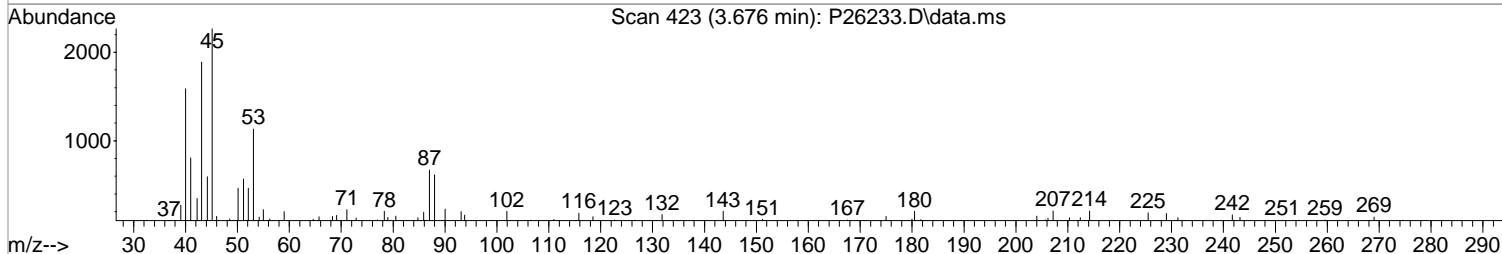
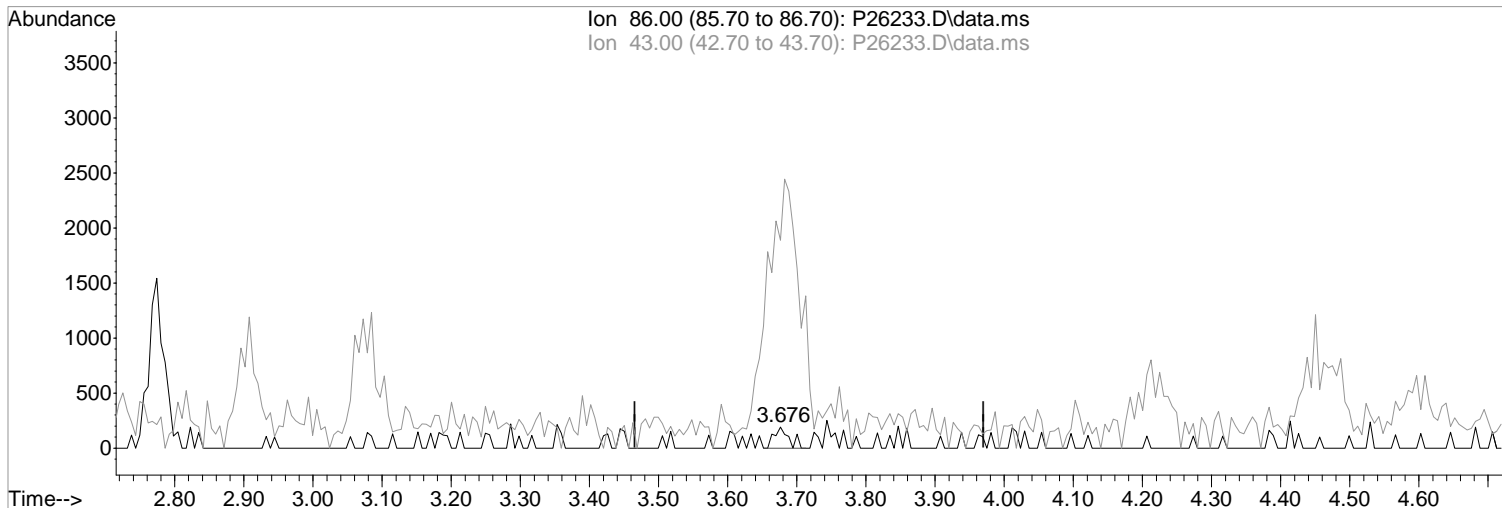
Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(29) Vinyl Acetate
3.676min (+0.012) 0.44 ppb m
response 288

Manual Integration:
After
Peak not found.

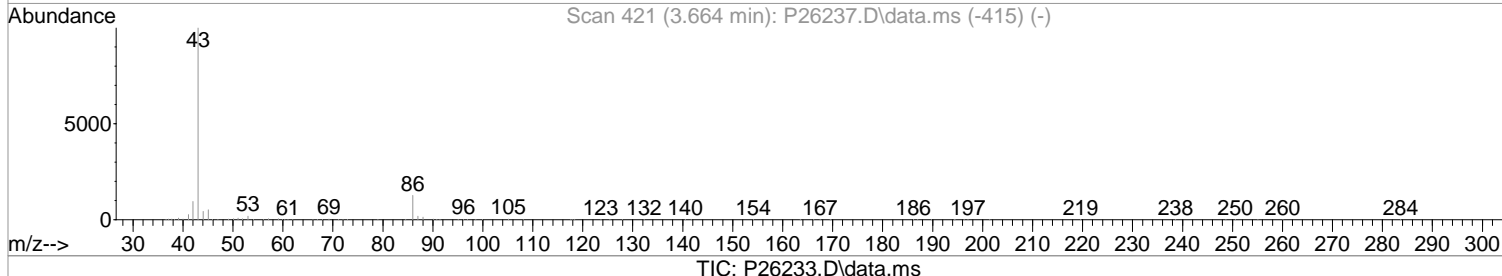
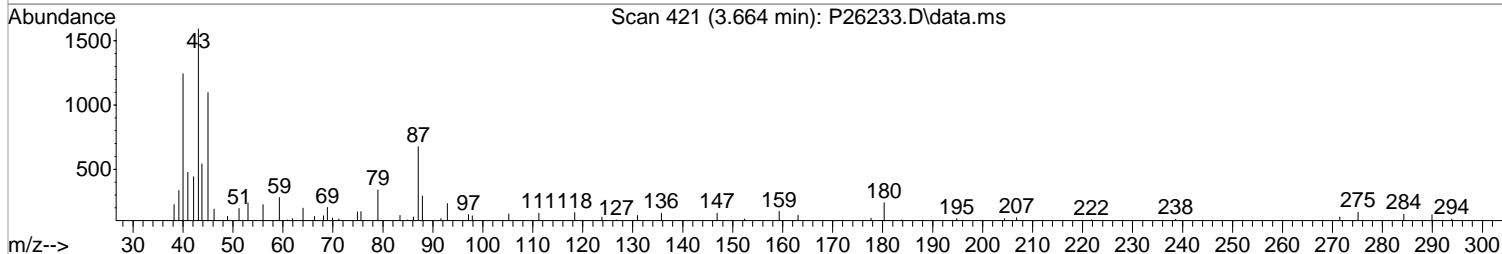
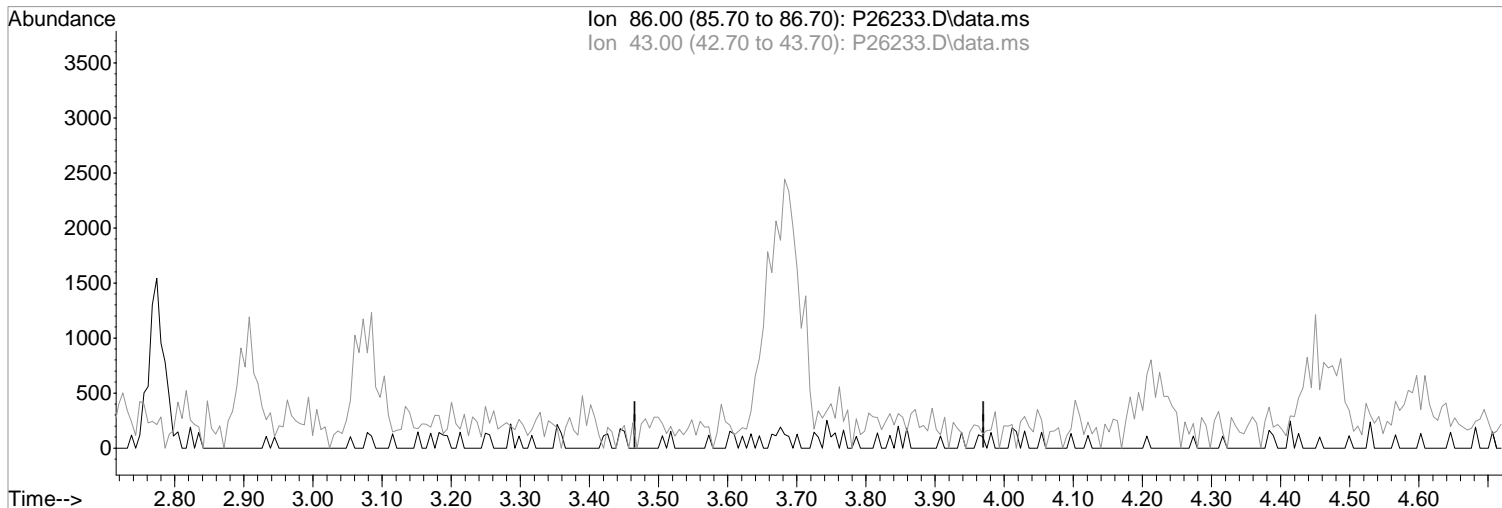
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	989.01#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



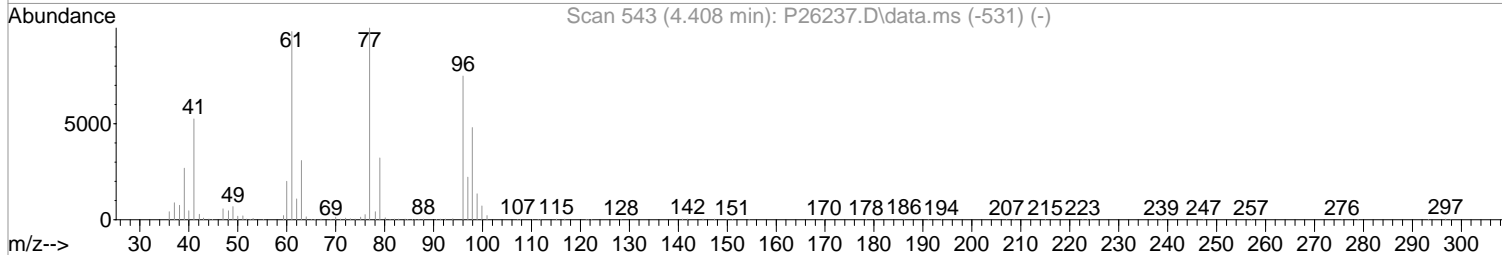
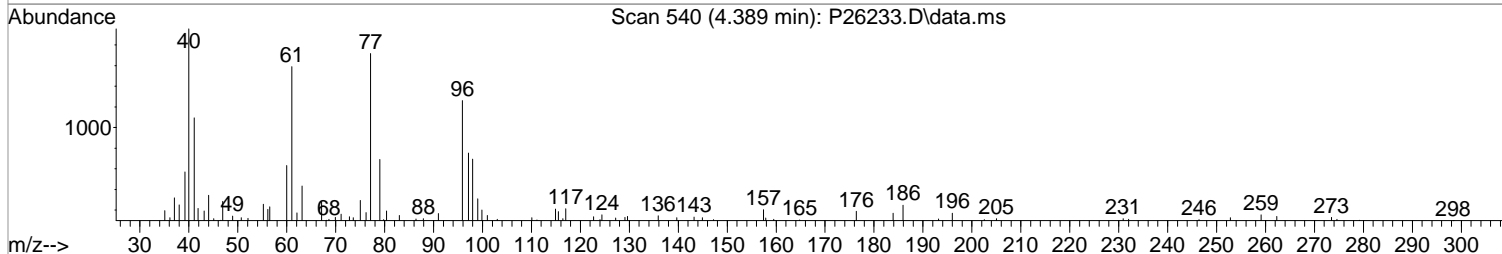
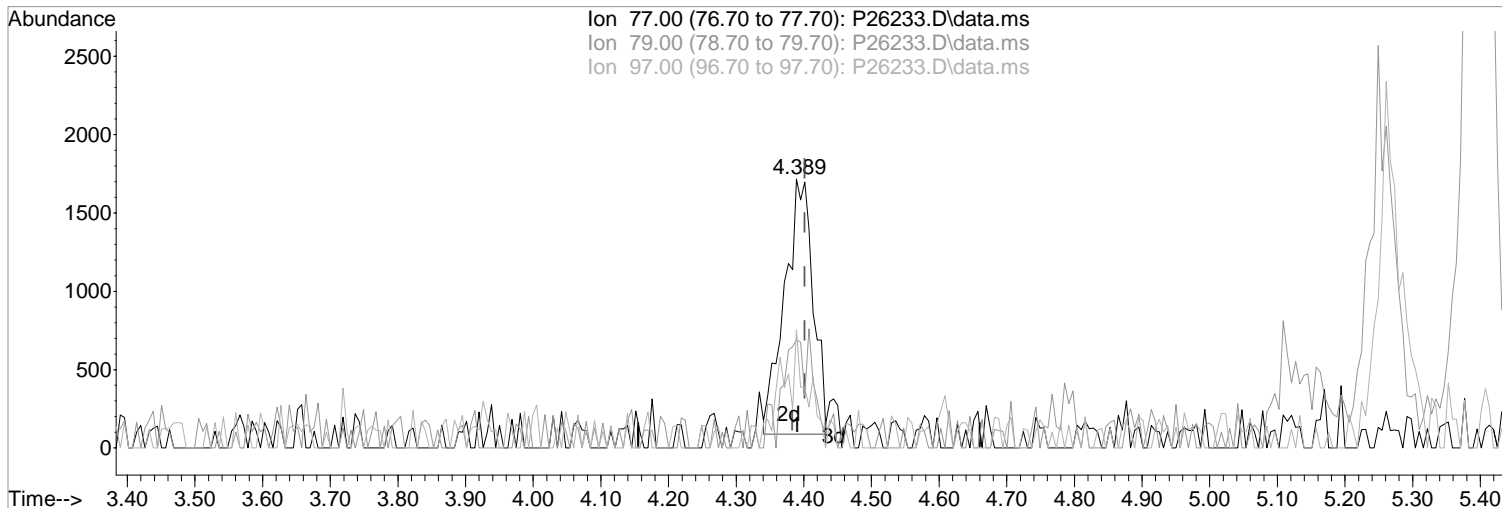
Ion	Exp%	Act%
86.00	100	0.00
43.00	802.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(33) 2,2-Dichloropropane

4.389min (-0.012) 0.99 ppb m

response 4736

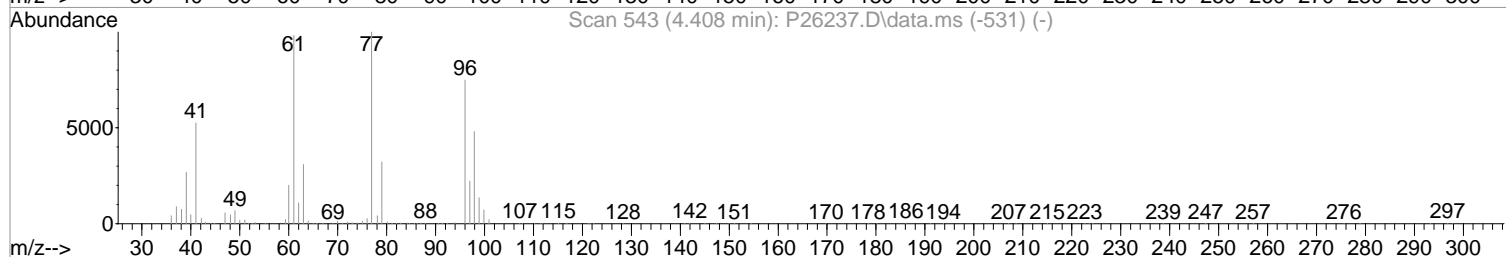
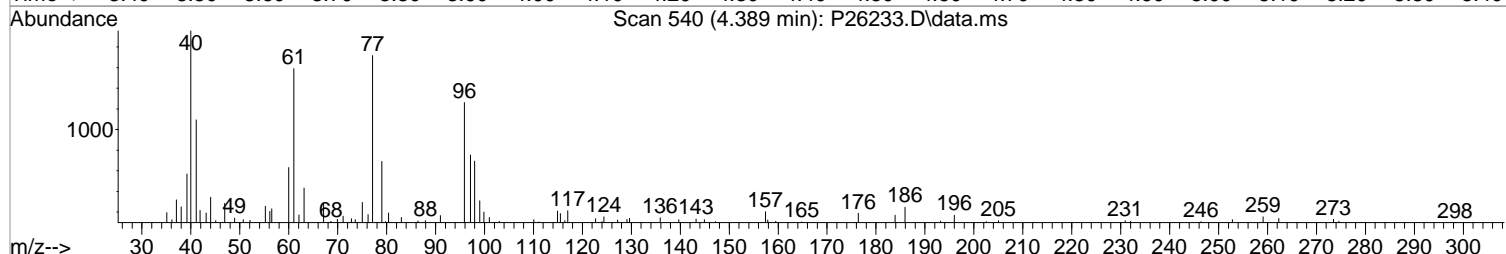
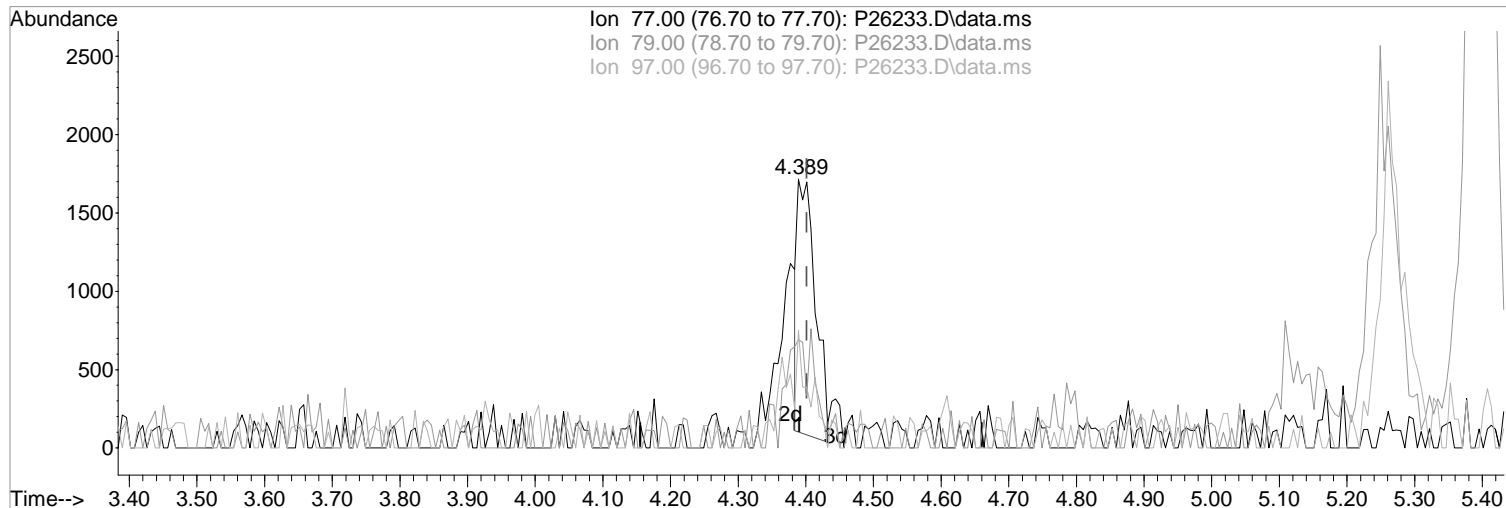
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	40.30
97.00	22.10	43.86#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

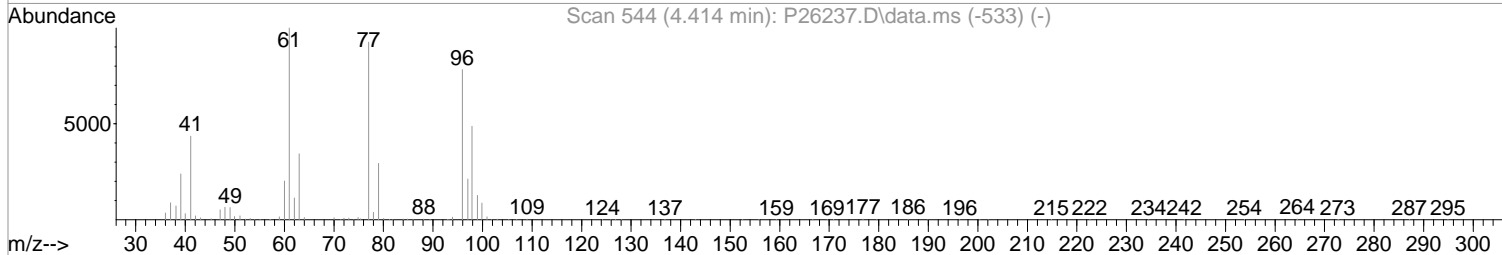
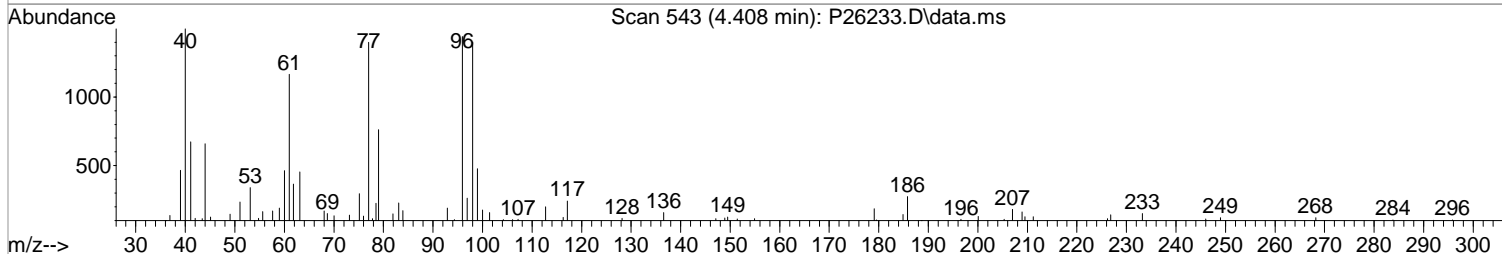
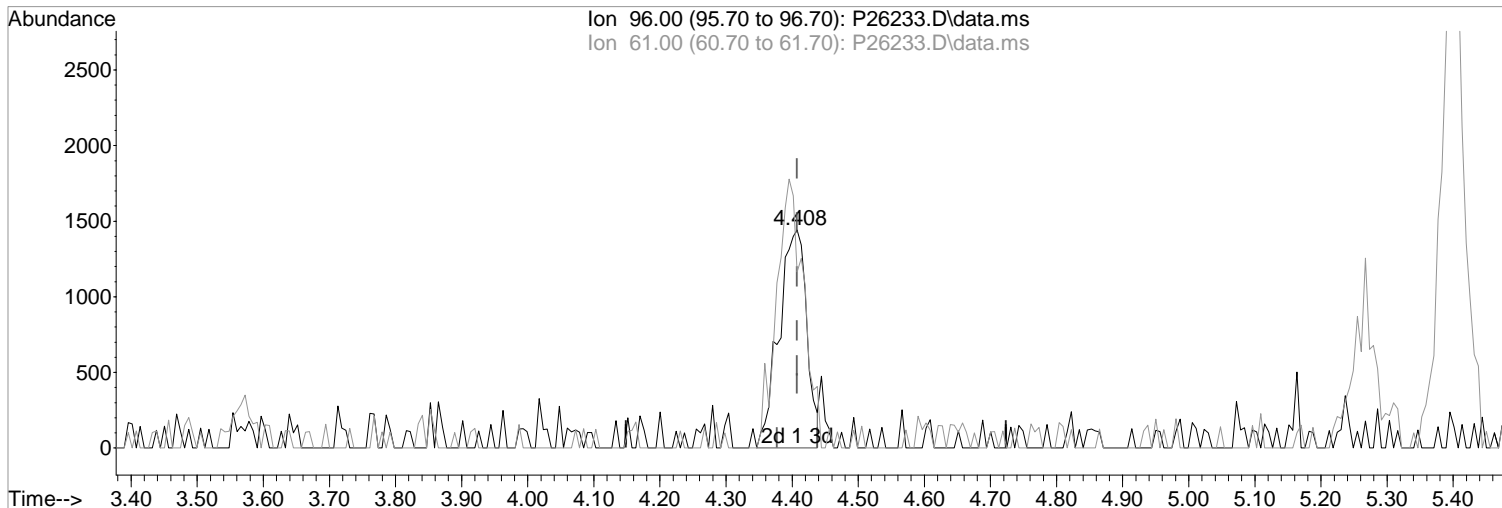
(33) 2,2-Dichloropropane
4.389min (-0.012) 0.63 ppb
response 3000
Ion Exp% Act%
77.00 100 100
79.00 32.20 40.30
97.00 22.10 43.86#
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.408min (-0.000) 1.11 ppb m
response 4217

Manual Integration:

After
Split Peak

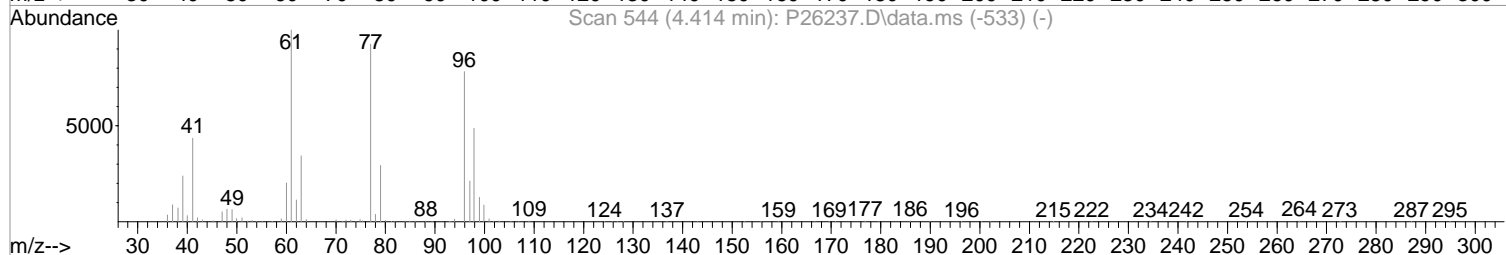
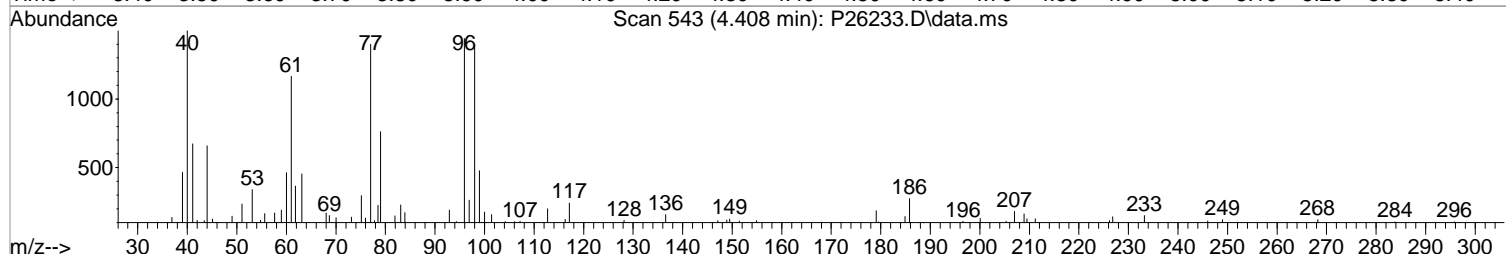
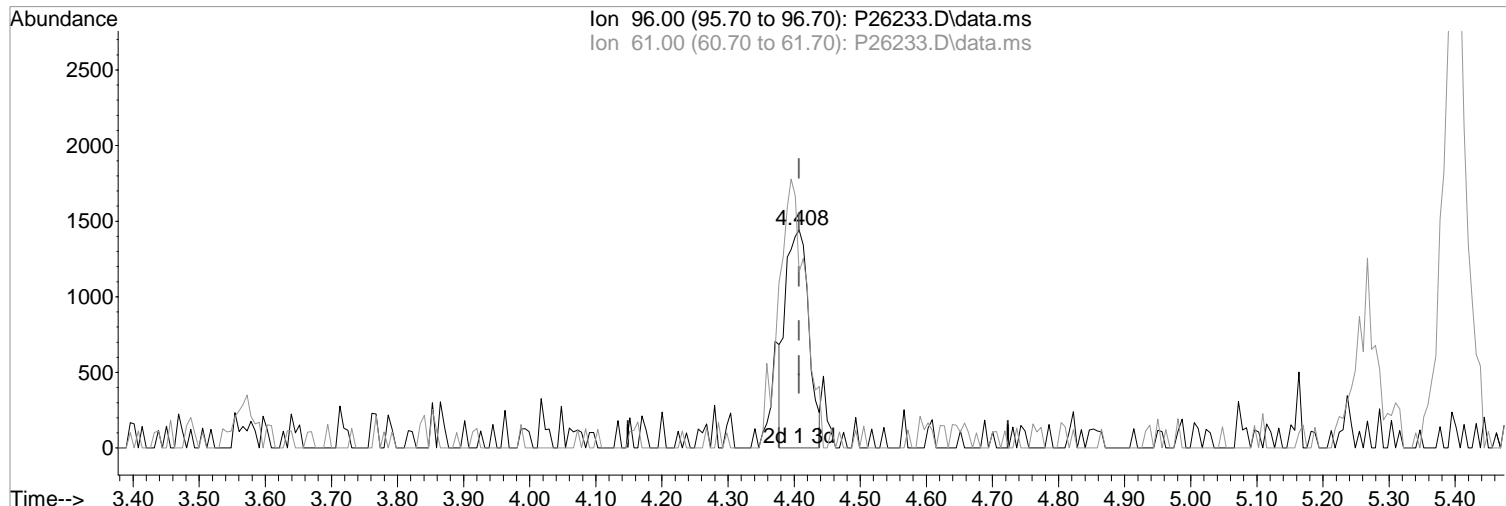
Ion	Exp%	Act%
96.00	100	100
61.00	128.10	80.79#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.408min (-0.000) 0.93 ppb

response 3510

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	80.79#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

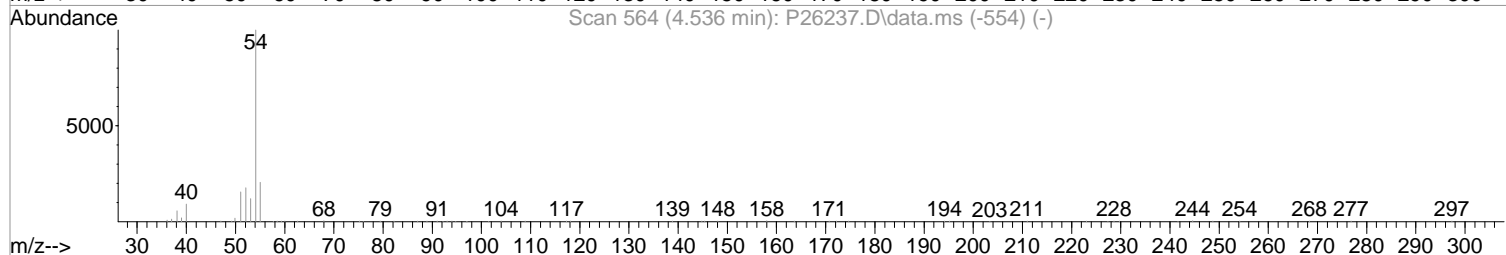
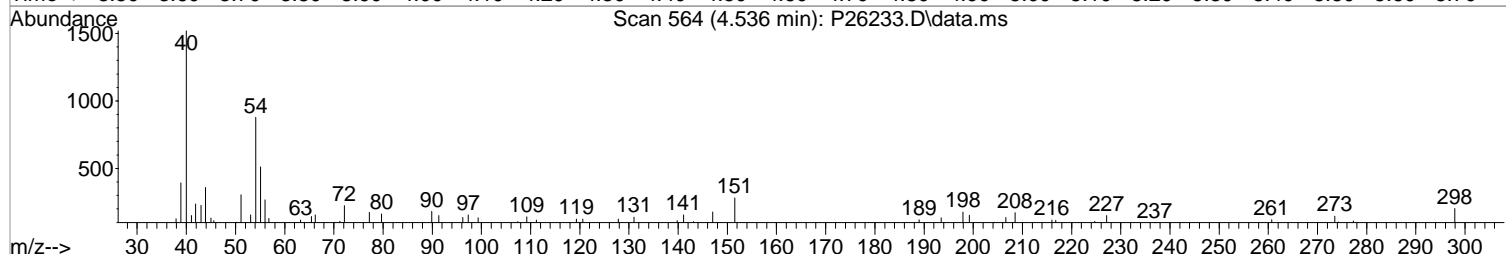
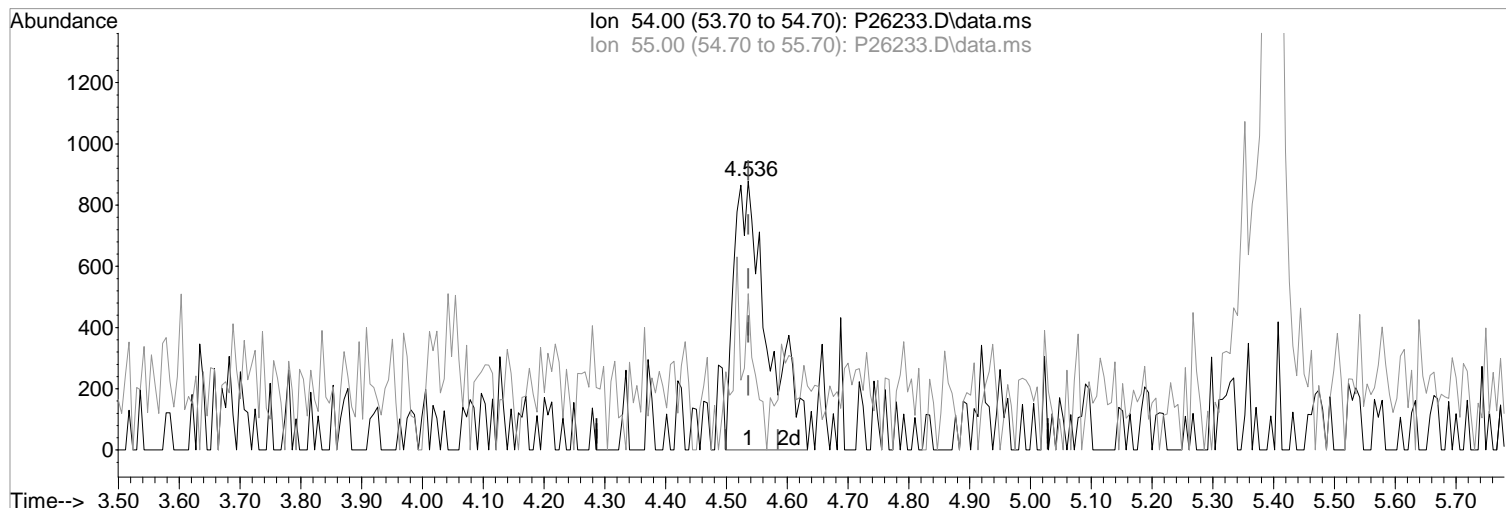
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(36) Propionitrile
4.536min (-0.000) 4.90 ppb m
response 3398

Manual Integration:

After

Split Peak

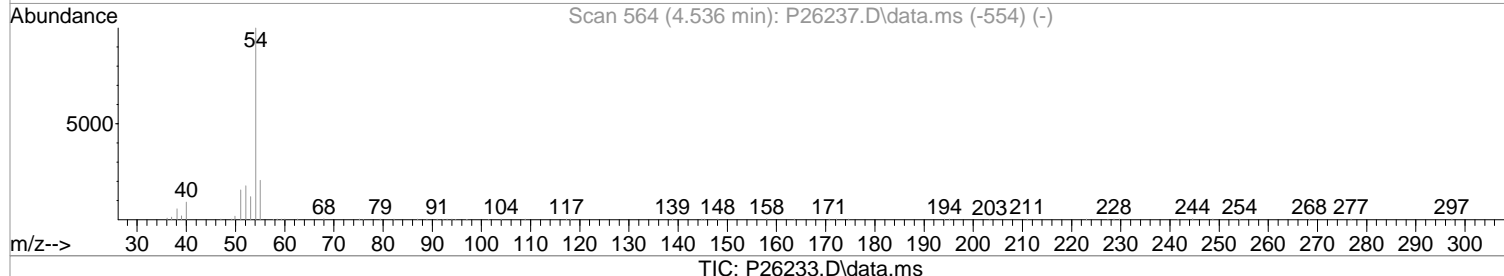
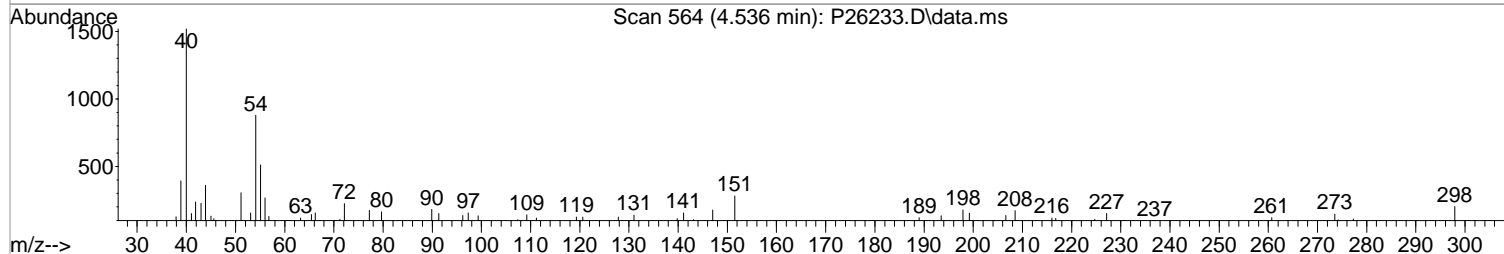
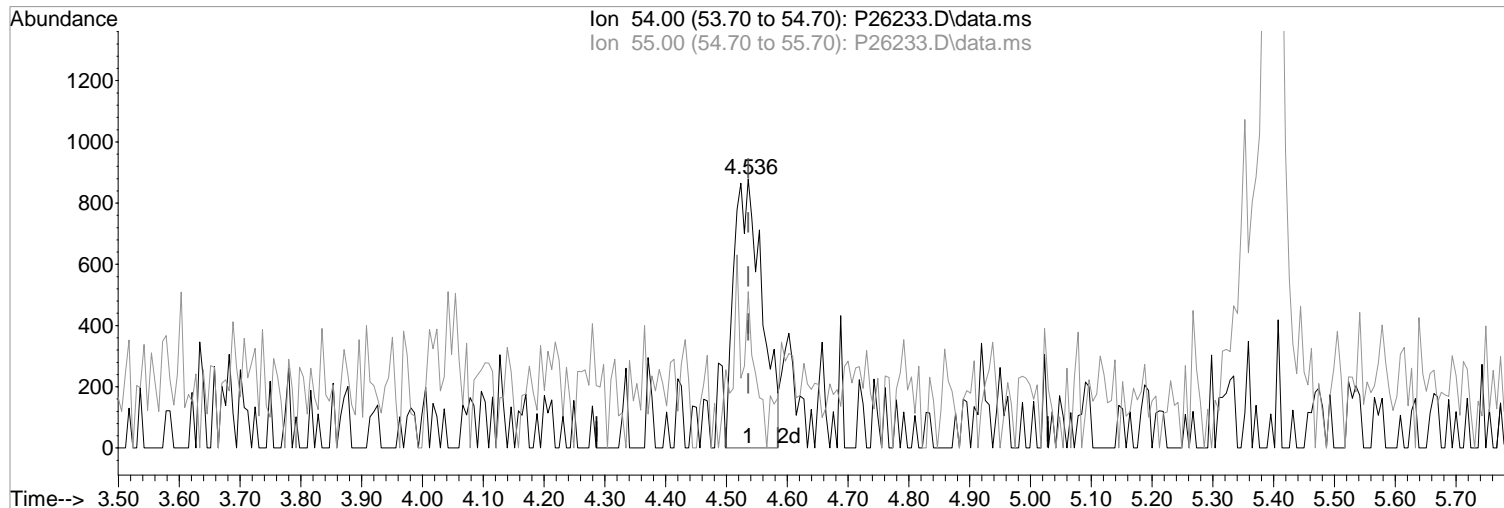
05/01/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(36) Propionitrile
4.536min (-0.000) 4.03 ppb
response 2795

Manual Integration:
Before

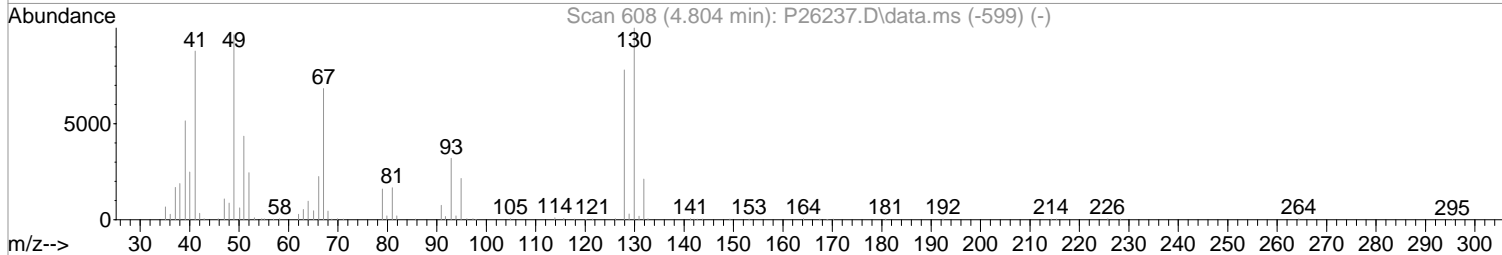
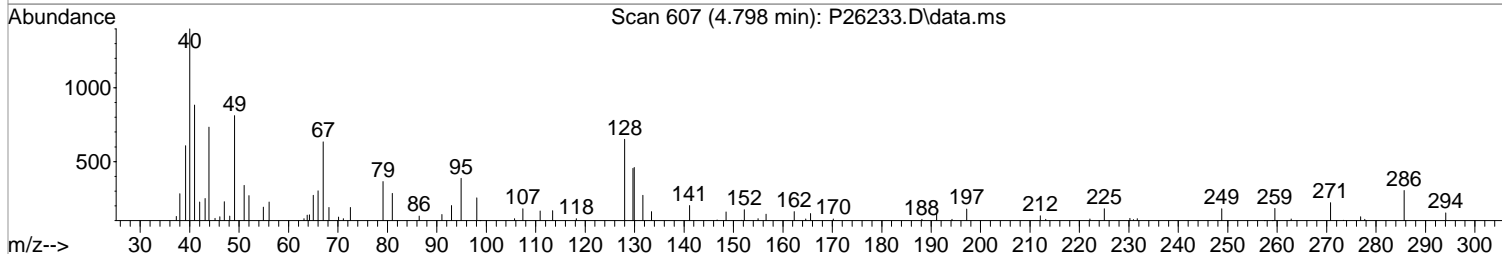
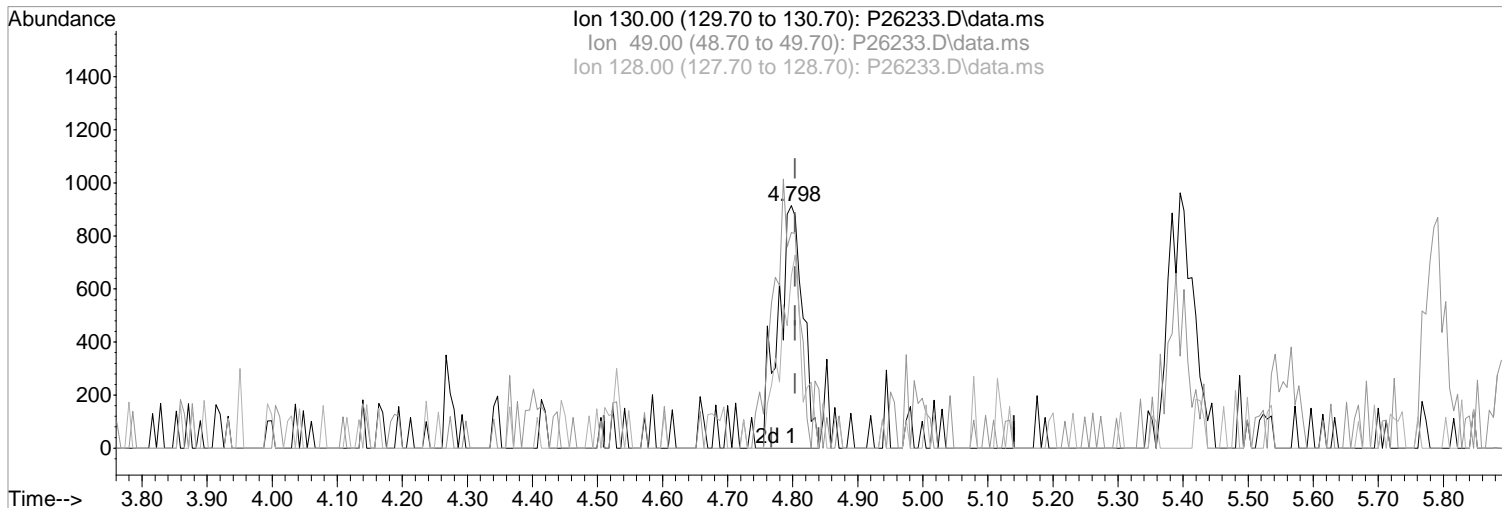
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.94 ppb m

response 2398

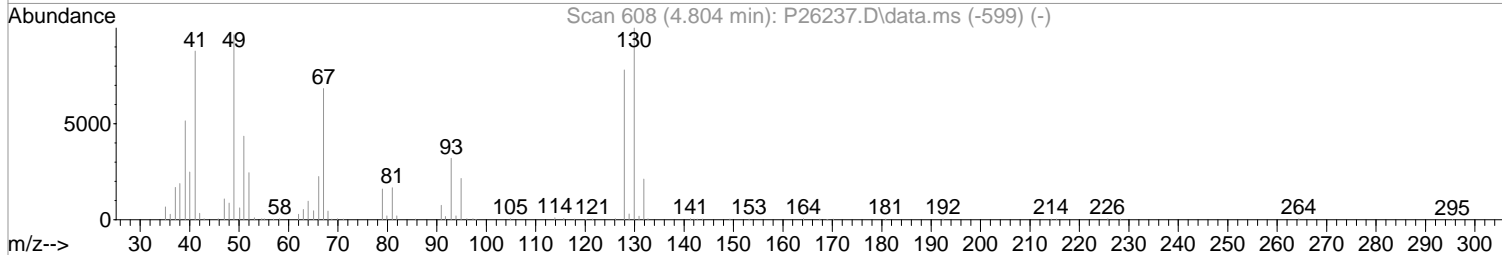
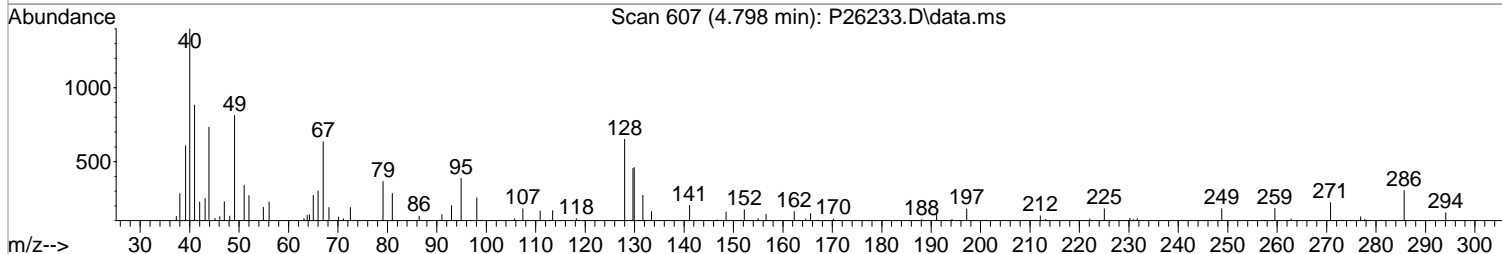
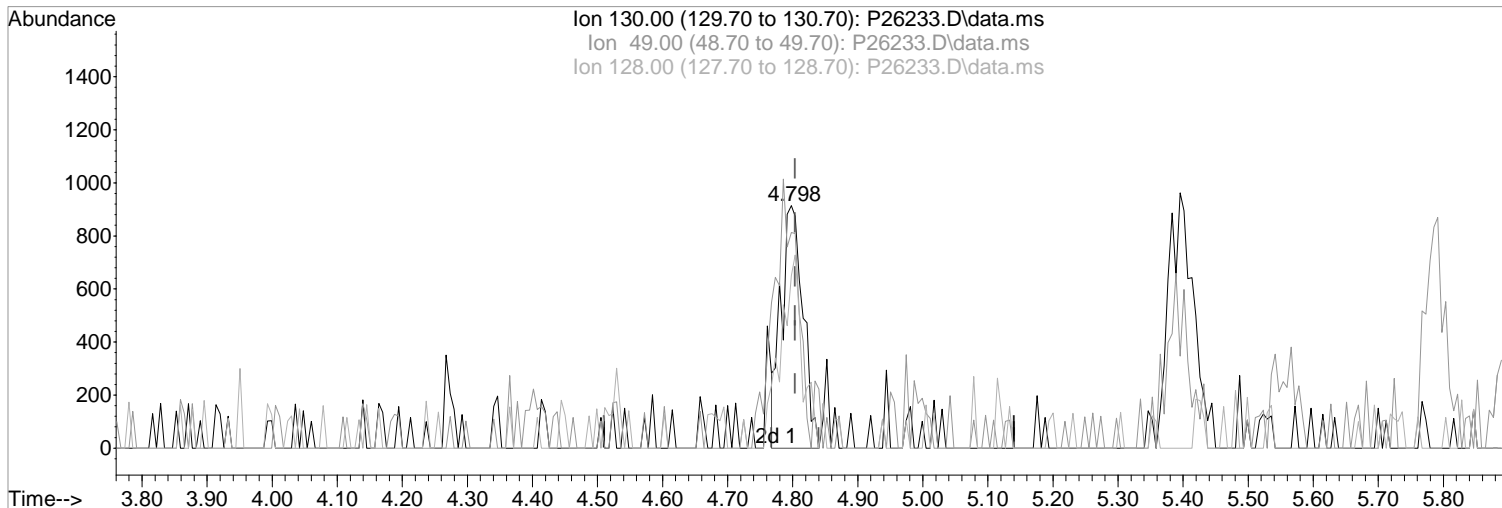
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	176.74#
128.00	78.80	141.30#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.84 ppb

response 2126

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	88.95
128.00	78.80	71.12
0.00	0.00	0.00

Manual Integration:

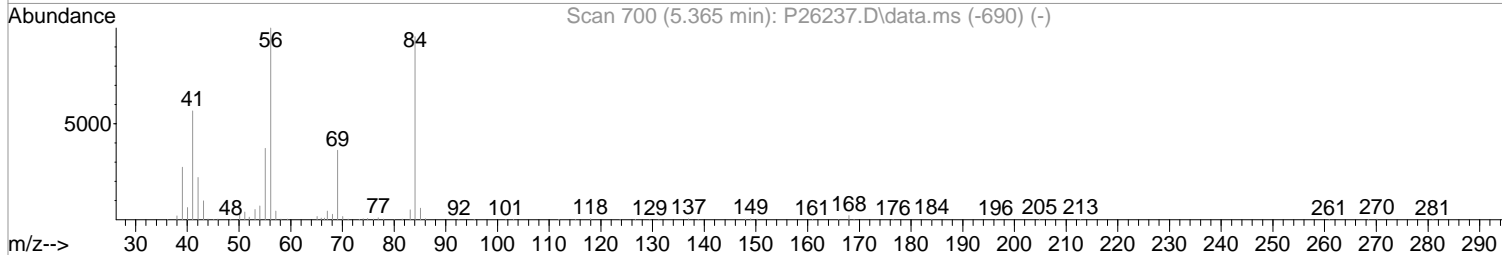
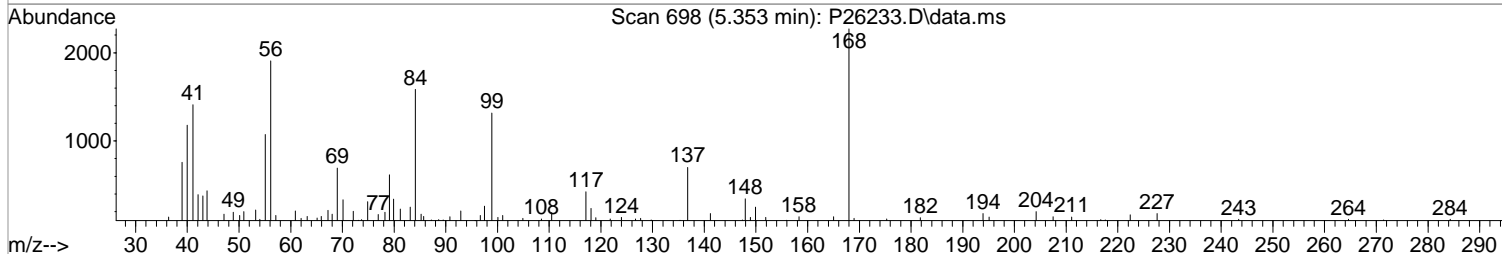
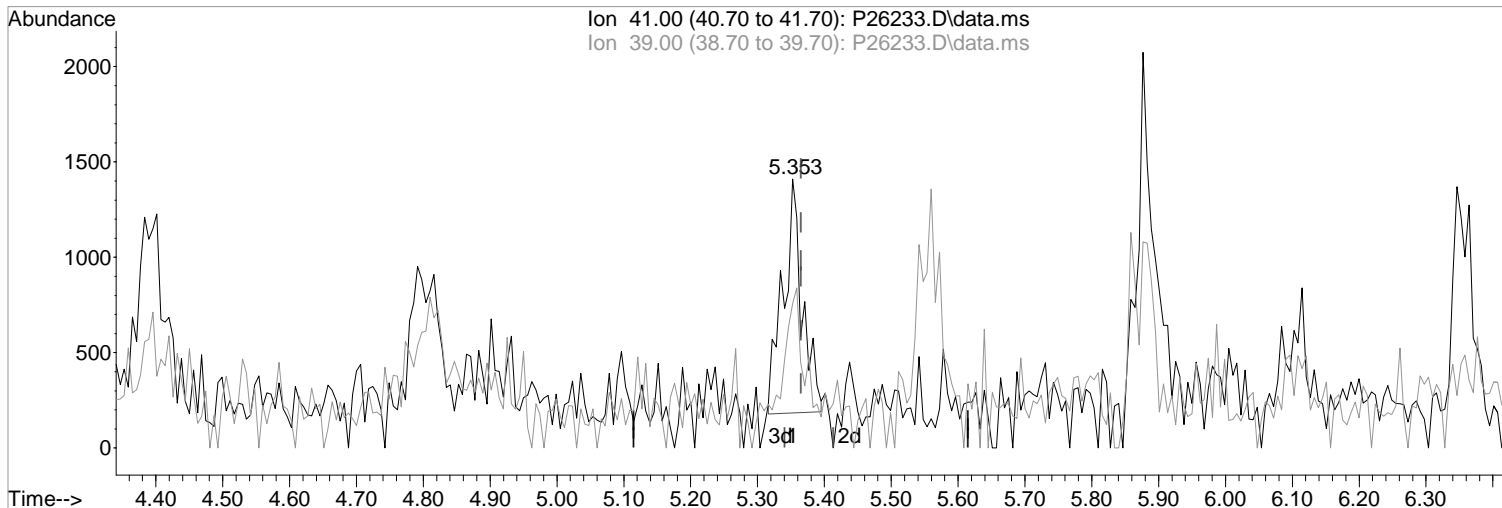
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(44) Cyclohexane (P)

5.353min (-0.012) 0.91 ppb m
response 2453

Ion	Exp%	Act%
41.00	100	100
39.00	48.60	53.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

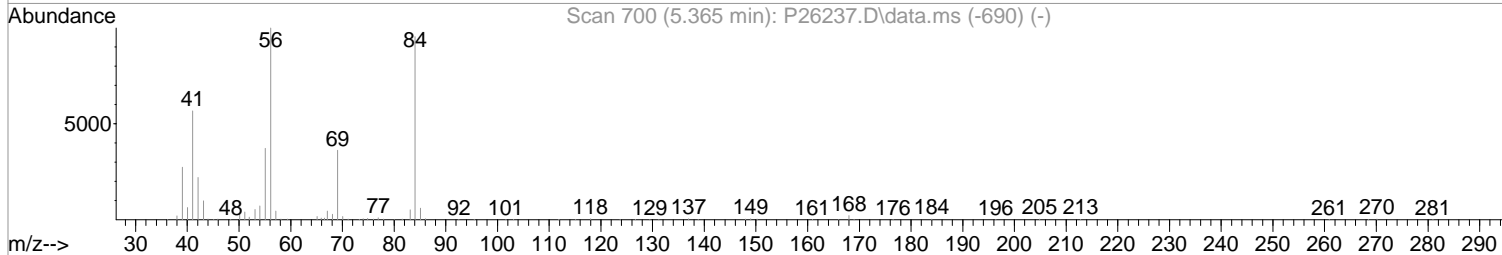
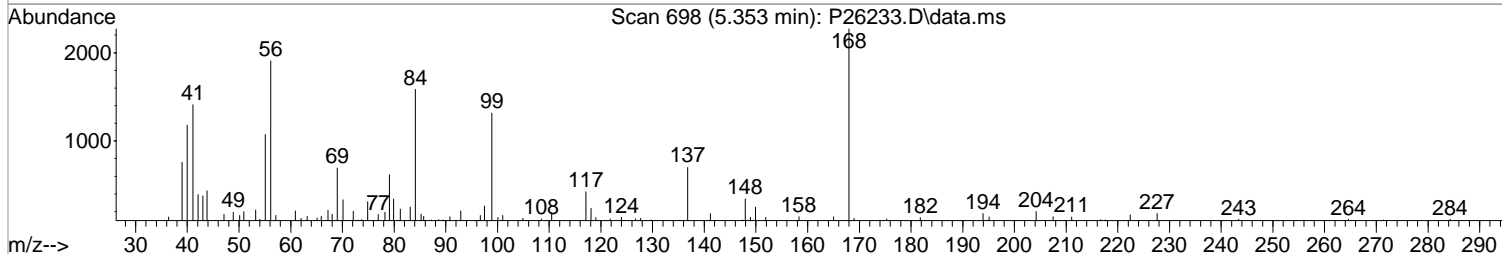
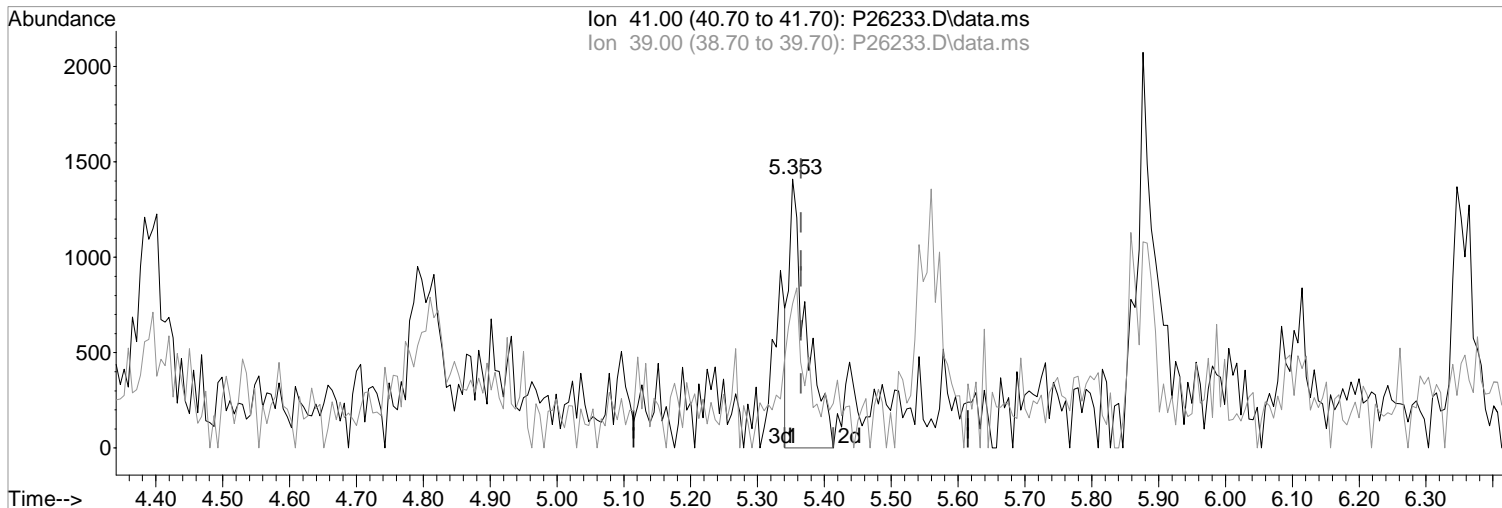
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



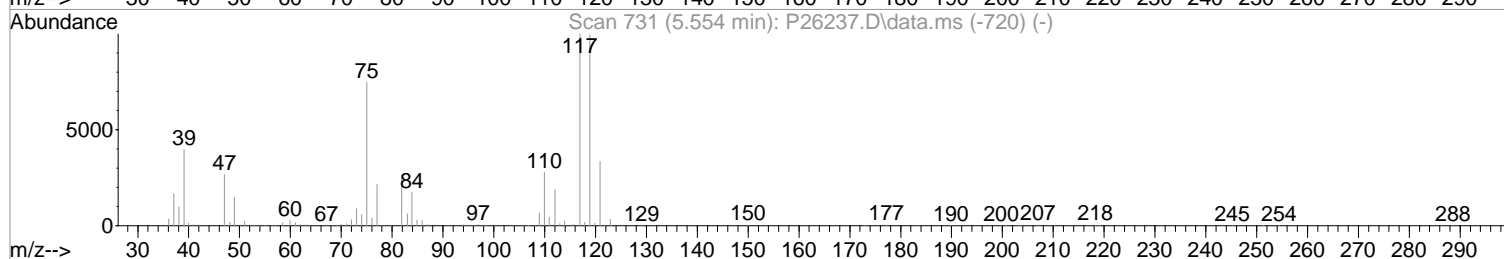
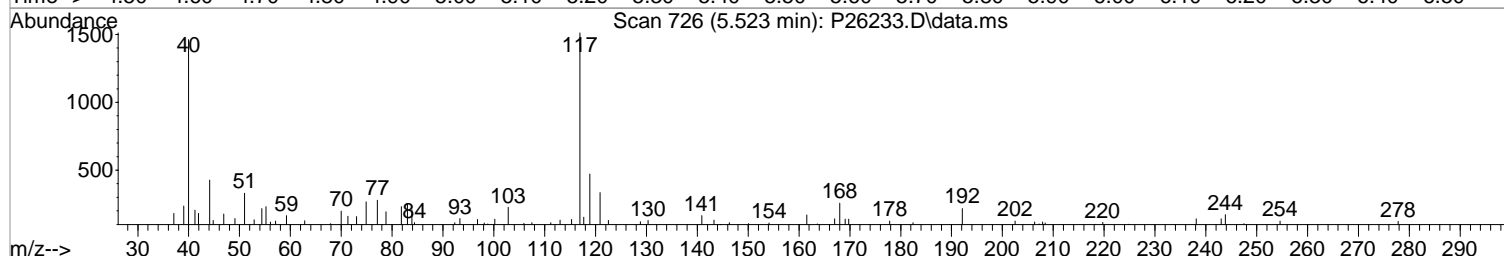
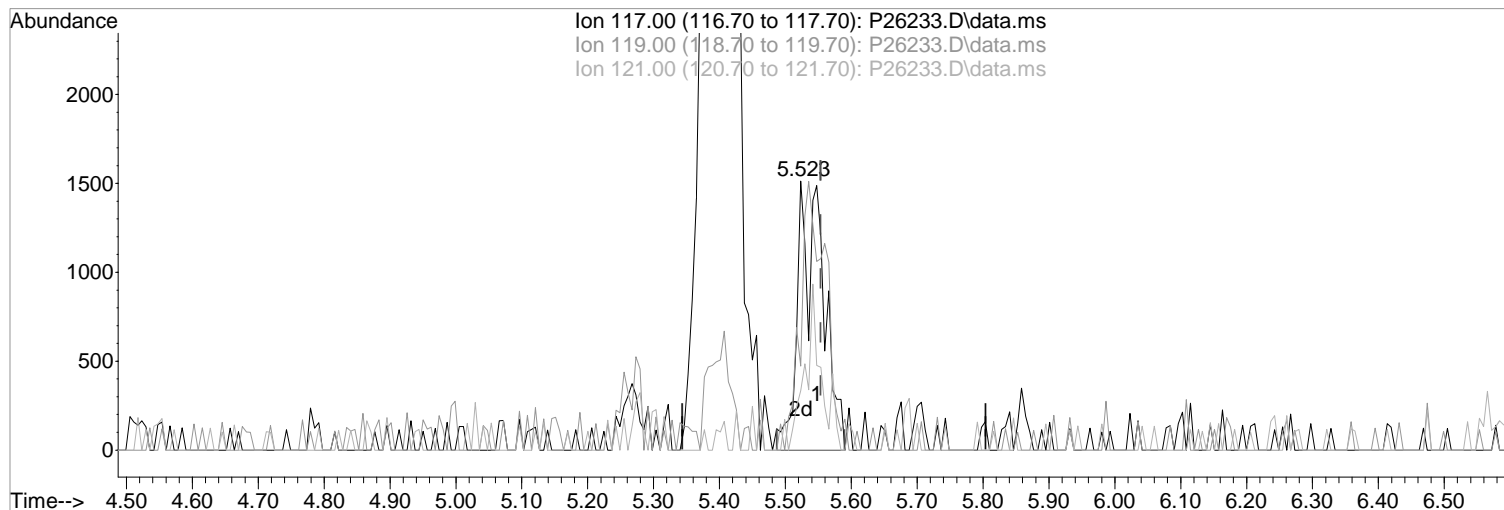
(44) Cyclohexane (P)
5.353min (-0.012) 0.93 ppb
response 2488
Ion Exp% Act%
41.00 100 100
39.00 48.60 53.69
0.00 0.00 0.00
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(46) Carbontetrachloride (P)

5.523min (-0.031) 0.93 ppb m
response 4031

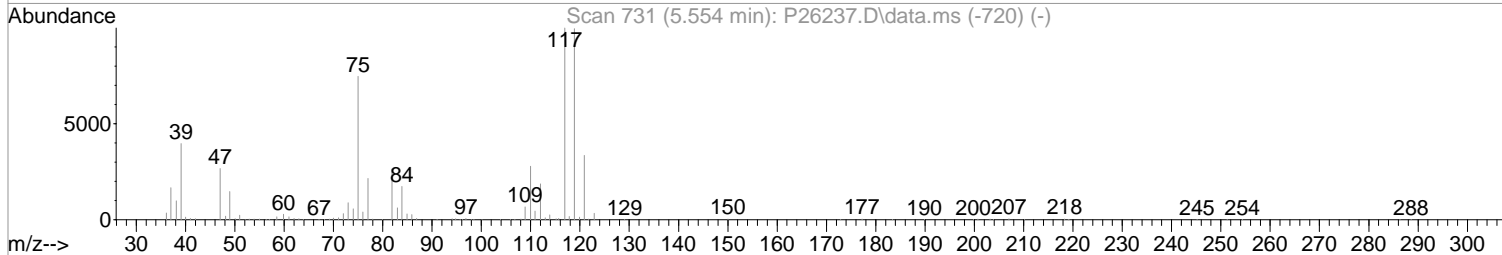
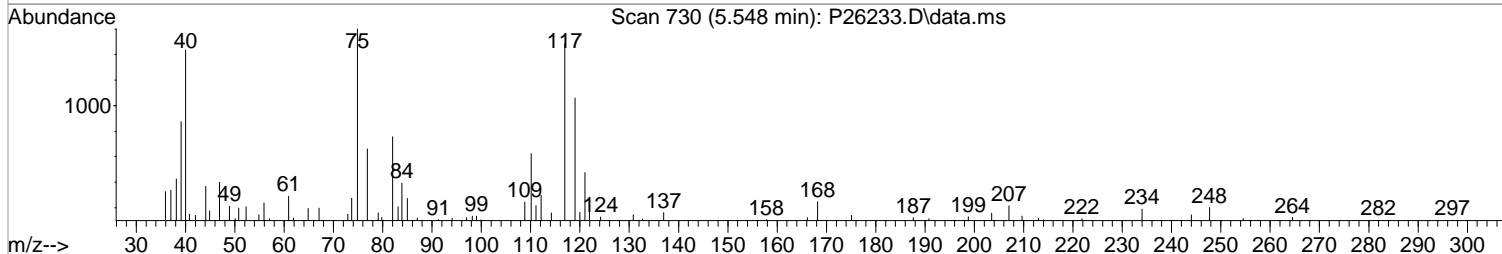
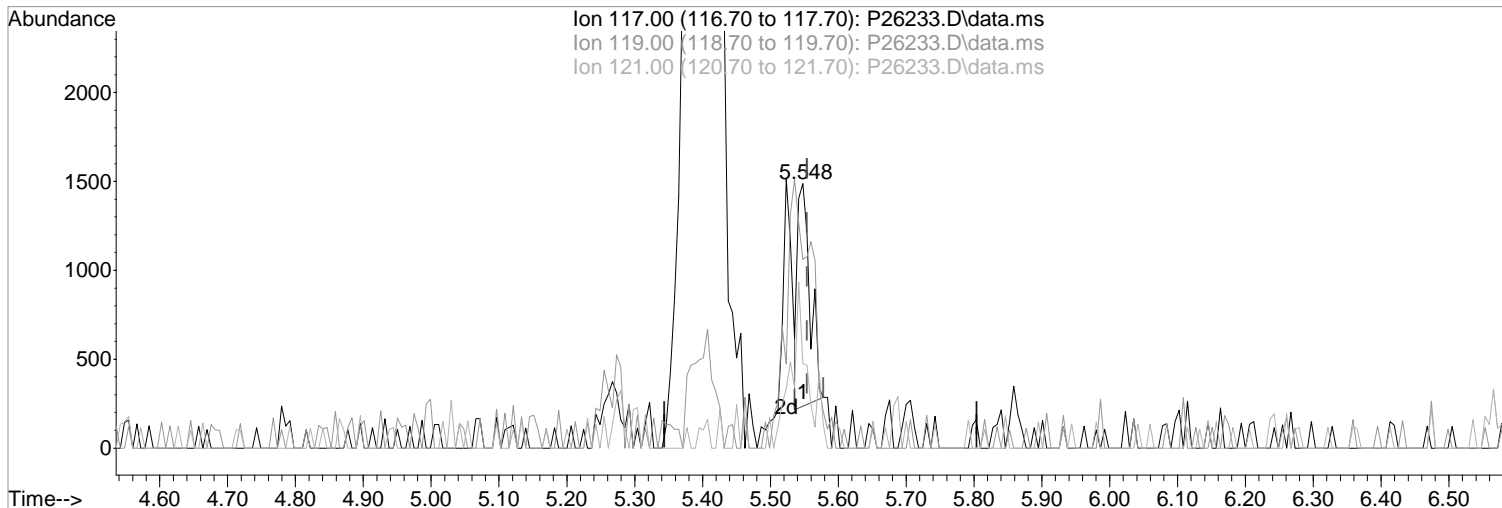
Ion	Exp%	Act%
117.00	100	100
119.00	99.40	31.20#
121.00	33.40	22.08
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.548min (-0.006) 0.37 ppb

Before

response 1616

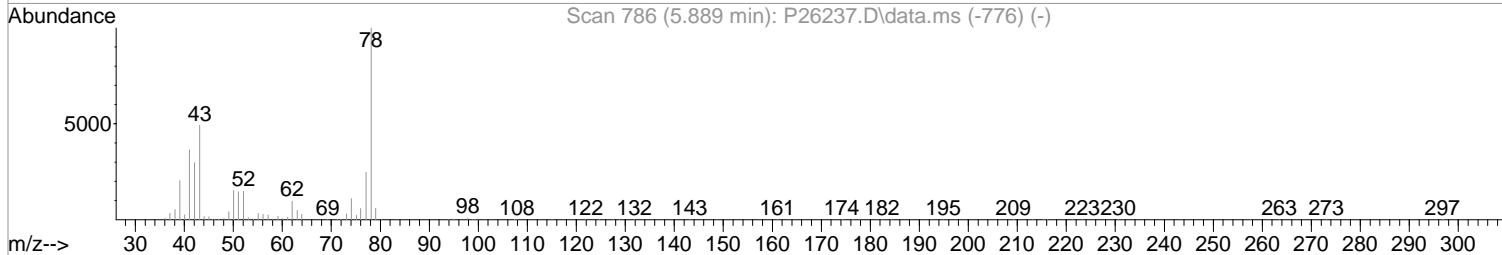
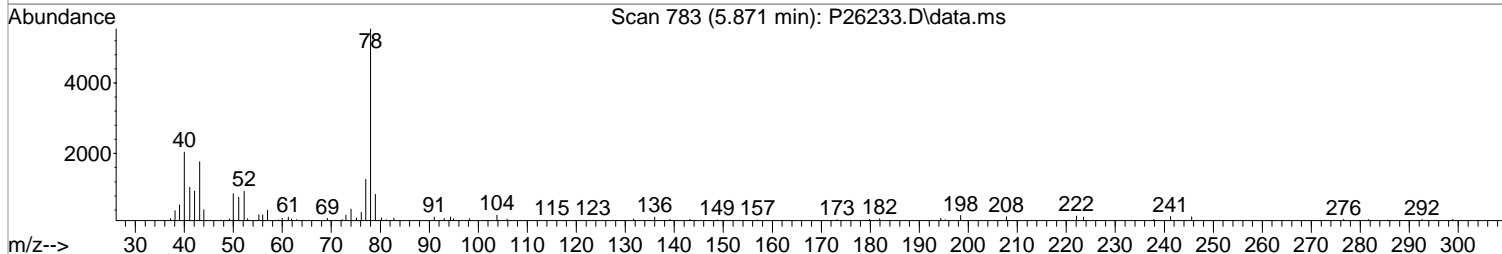
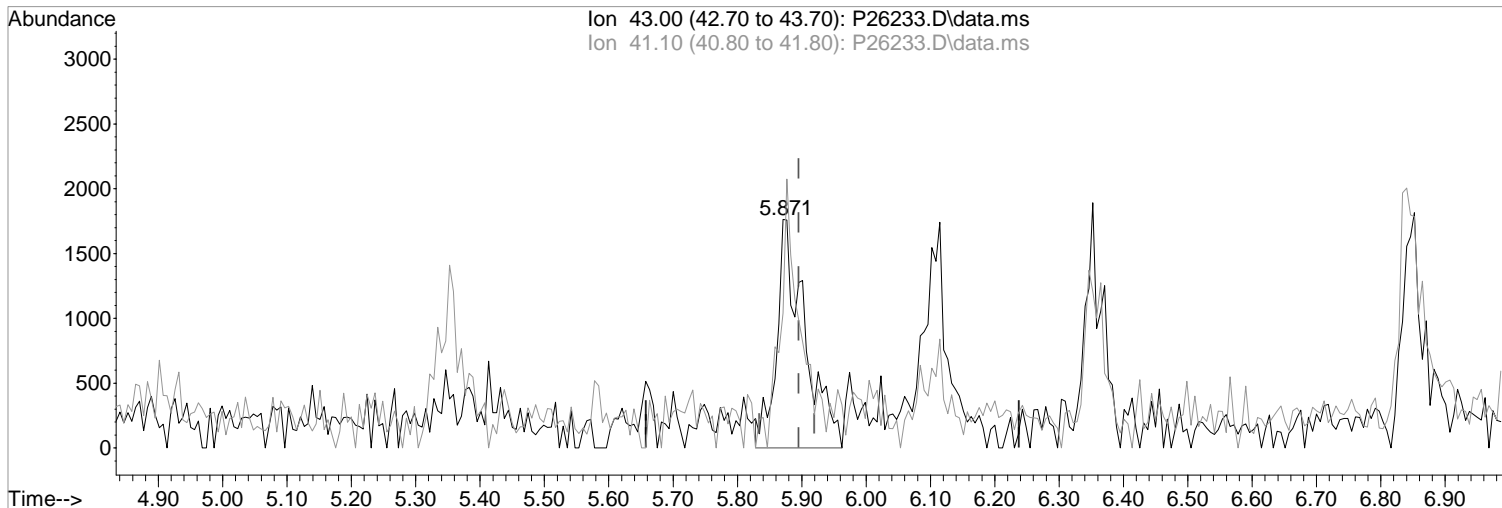
Ion	Exp%	Act%
117.00	100	100
119.00	99.40	71.35#
121.00	33.40	32.01
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.871min (-0.024) 19.19 ppb m
response 5327

Manual Integration:

After

Poor integration.

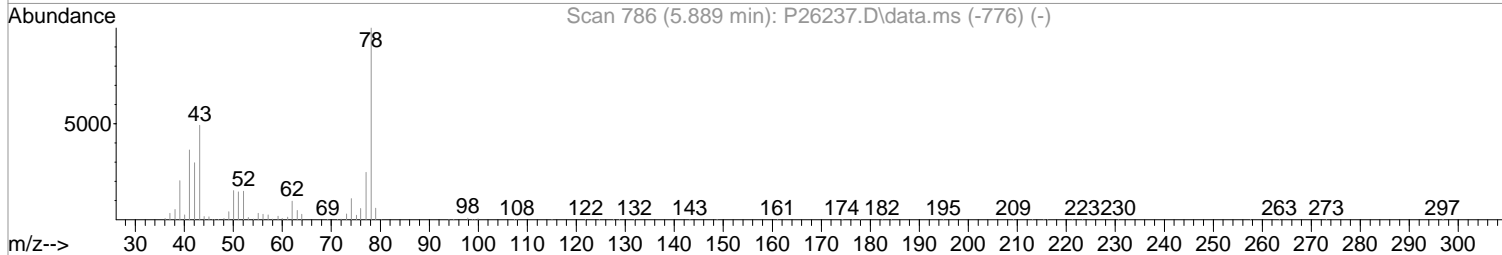
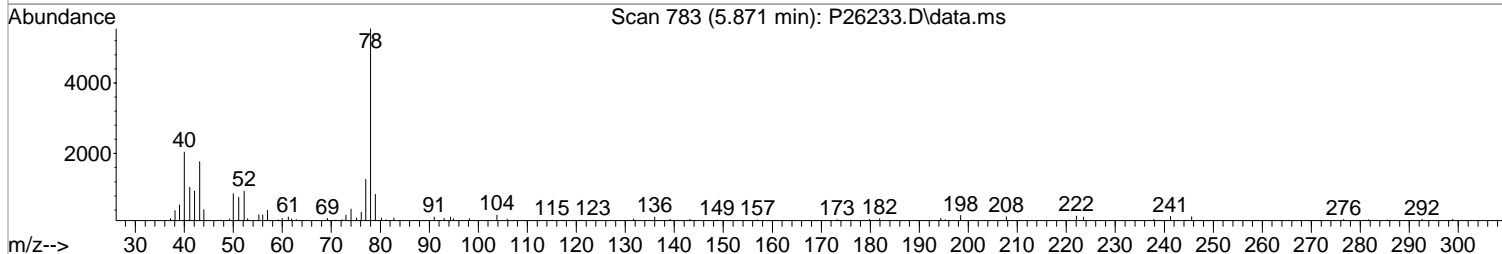
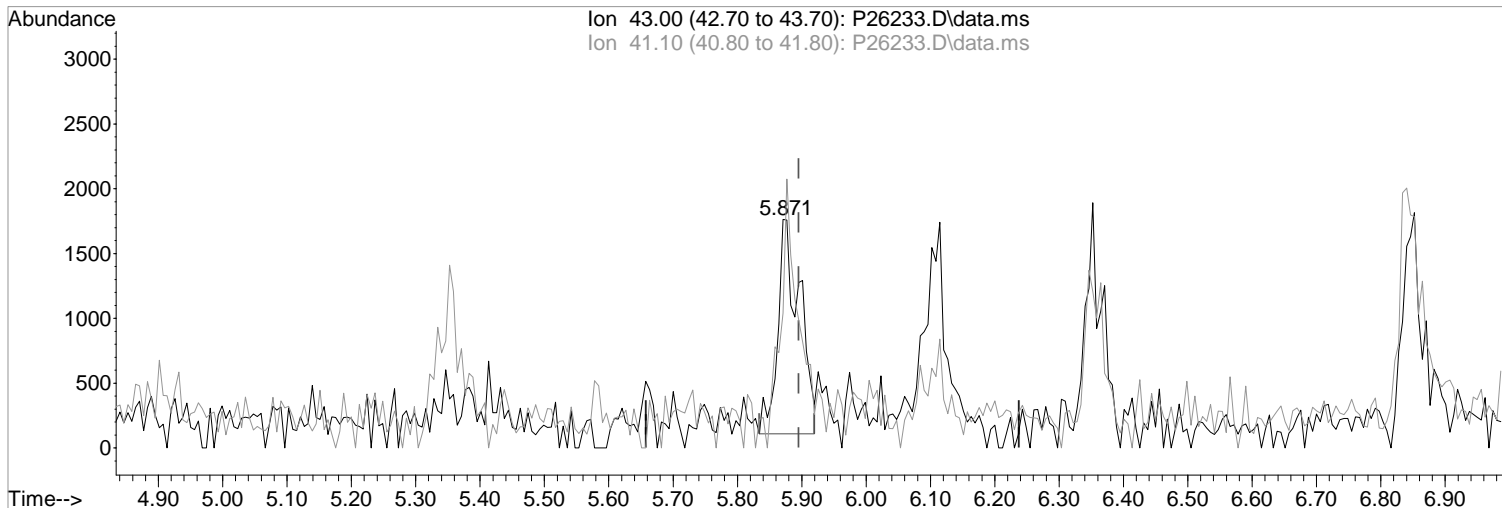
05/01/19

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.871min (-0.024) 14.16 ppb
response 3932

Manual Integration:
Before

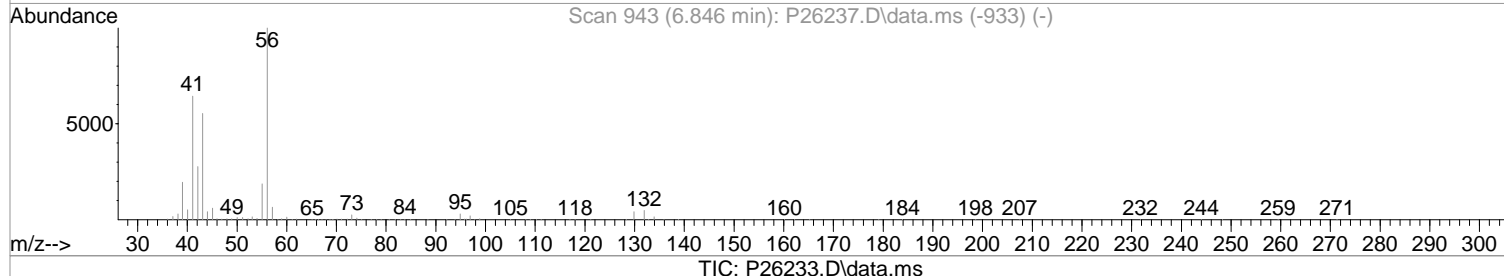
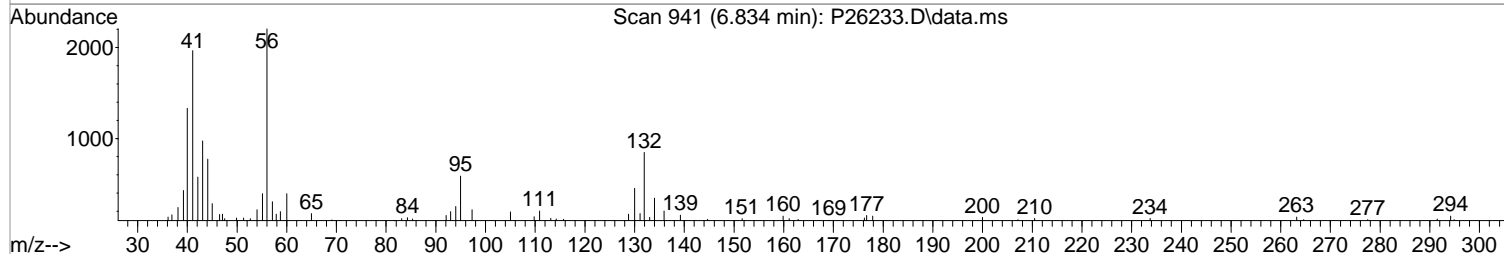
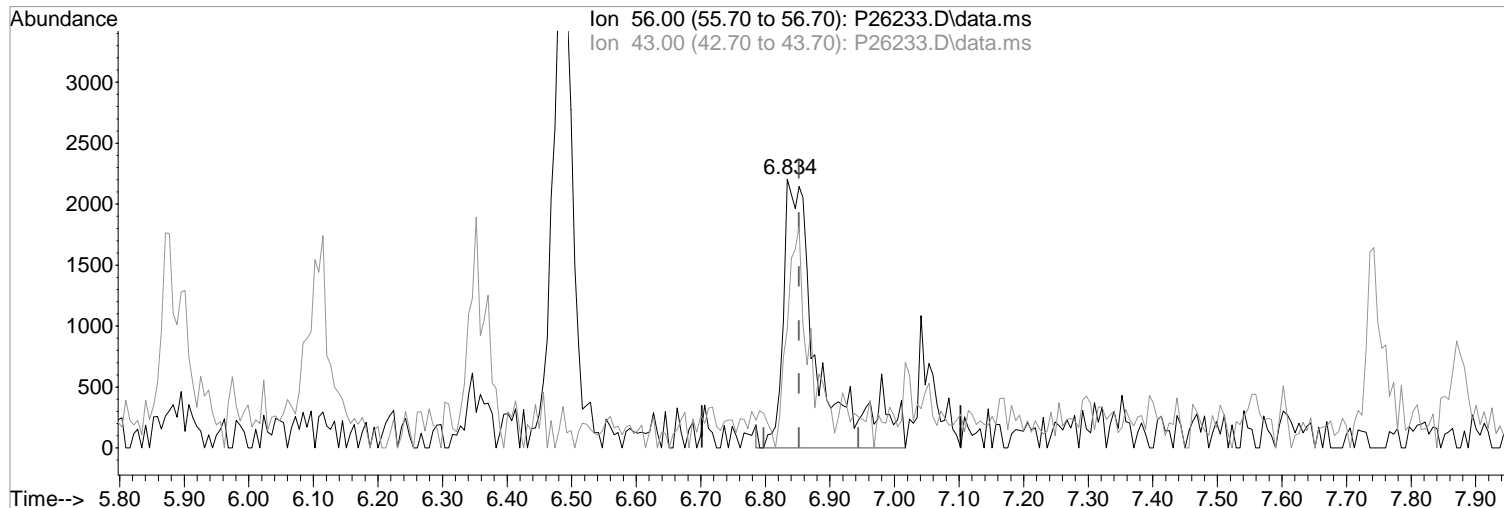
Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.834min (-0.018) 44.20 ppb m
response 8370

Manual Integration:
After
Poor integration.

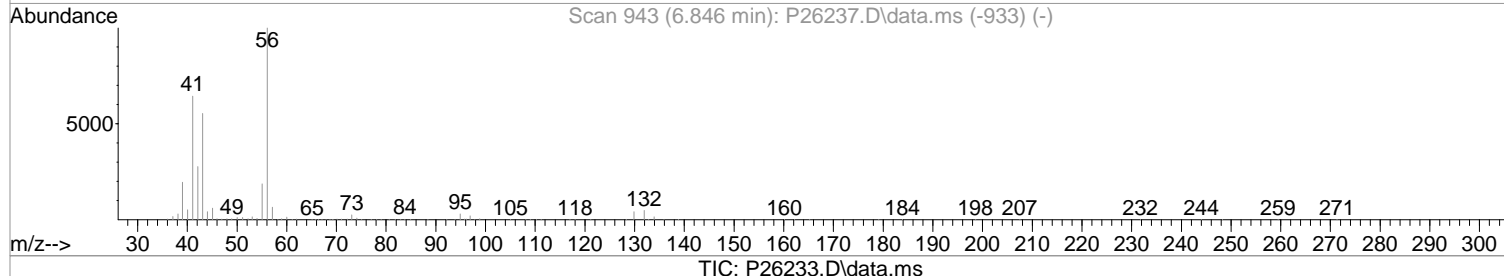
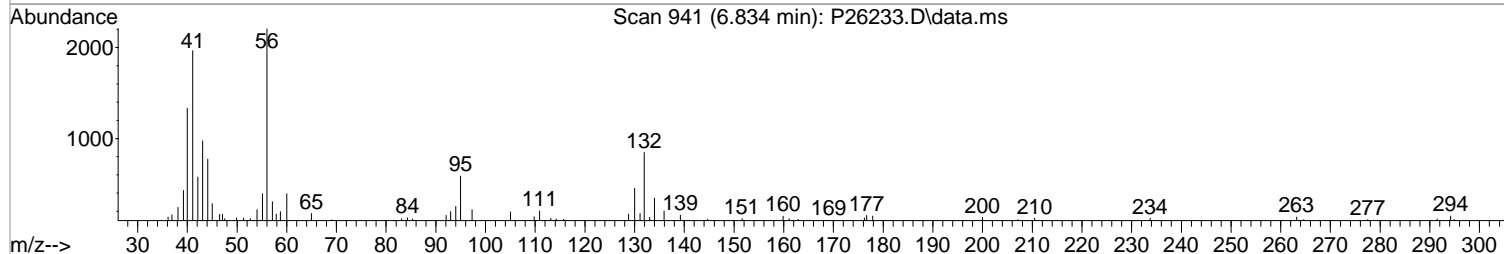
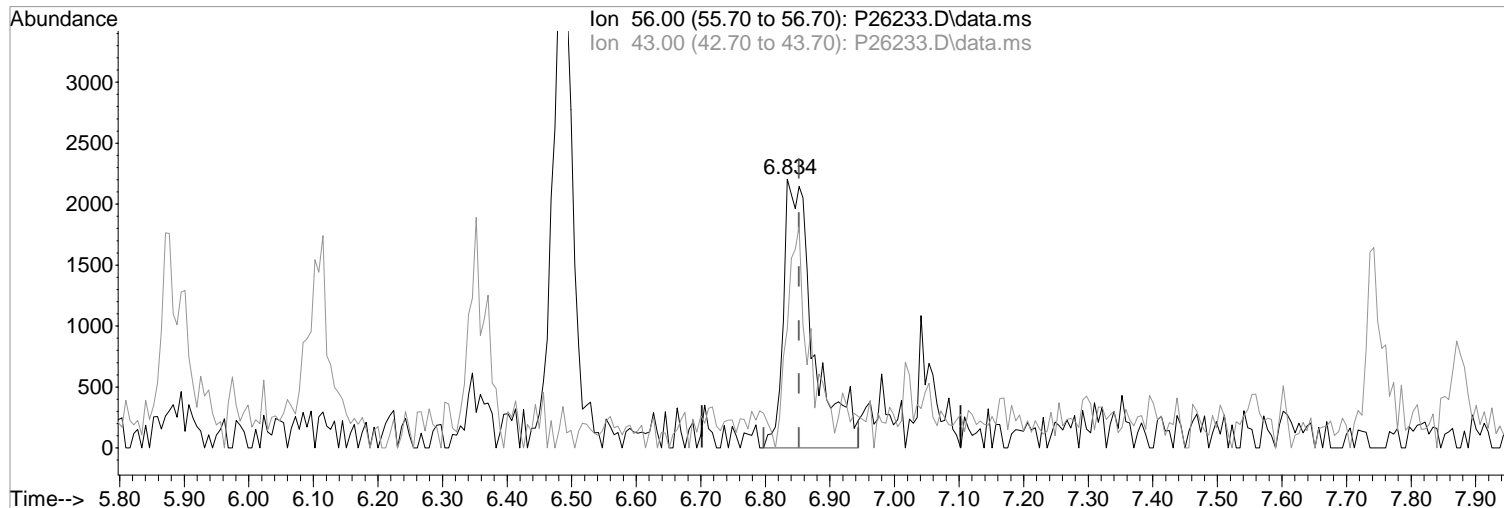
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	52.39
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.834min (-0.018) 37.66 ppb
response 7132

Manual Integration:
Before

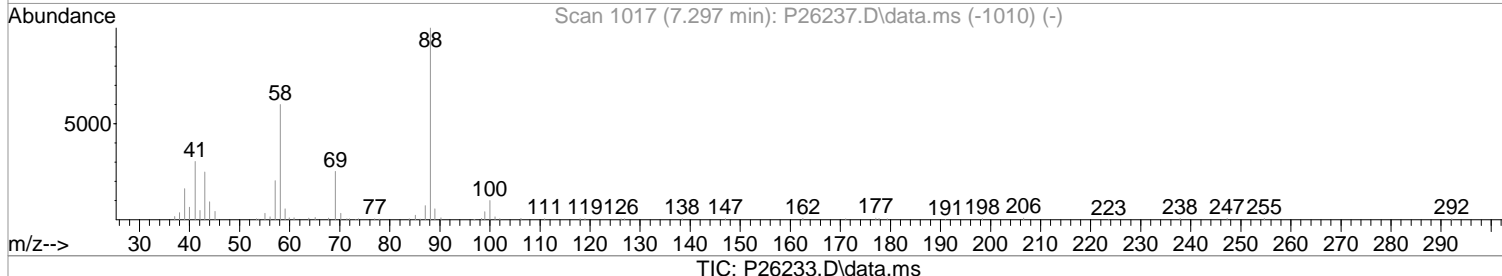
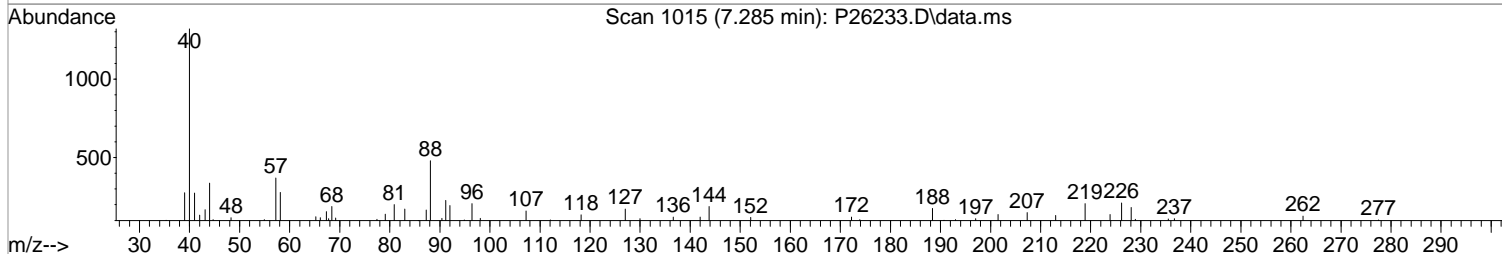
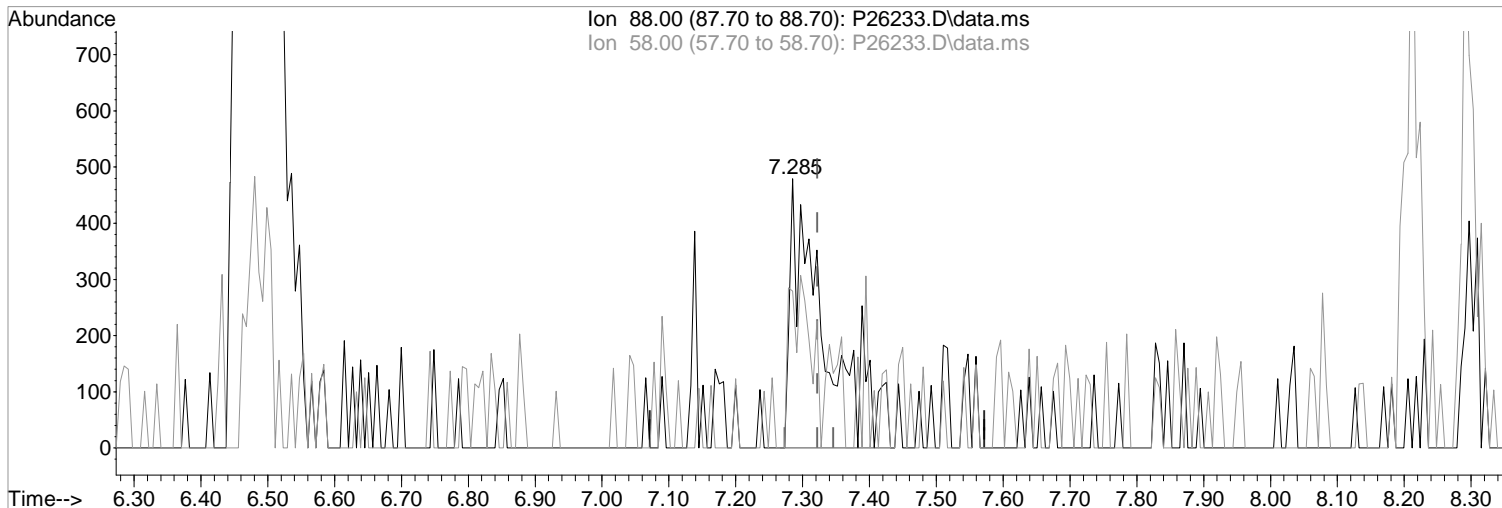
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	61.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.285min (-0.037) 20.87 ppb m
response 1759

Manual Integration:
After
Poor integration.

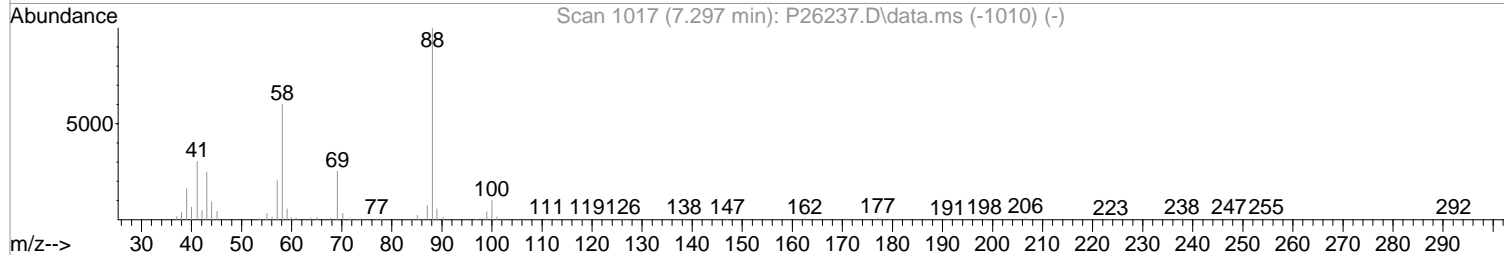
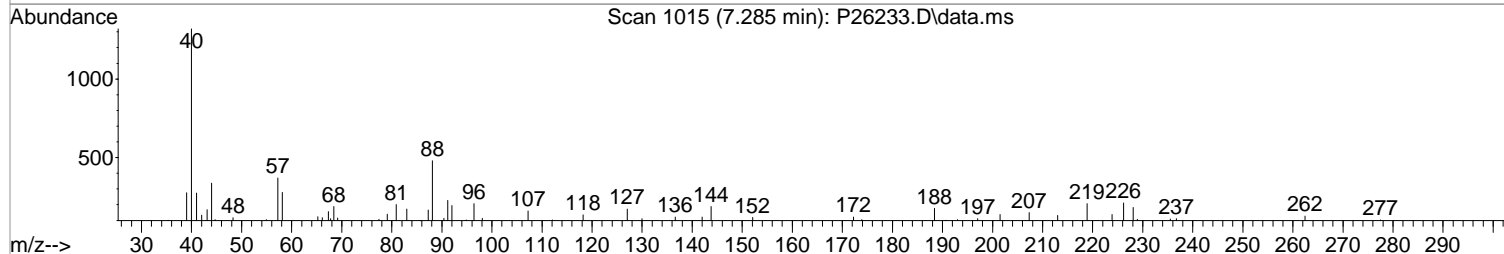
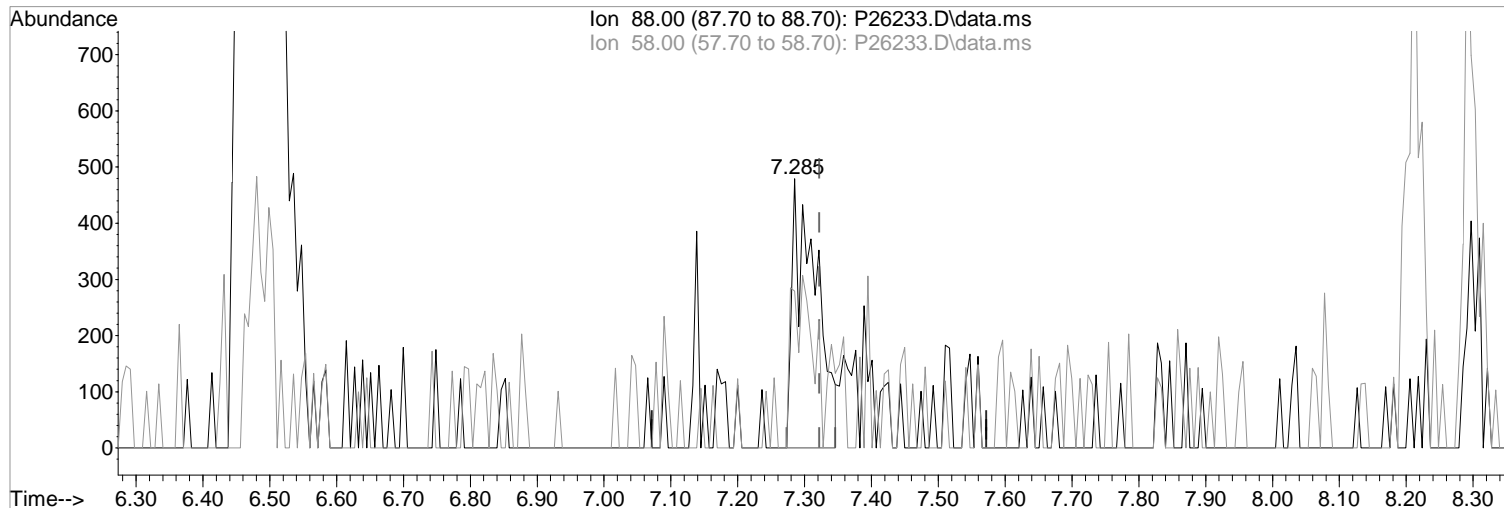
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.285min (-0.037) 14.05 ppb
response 1184

Manual Integration:
Before

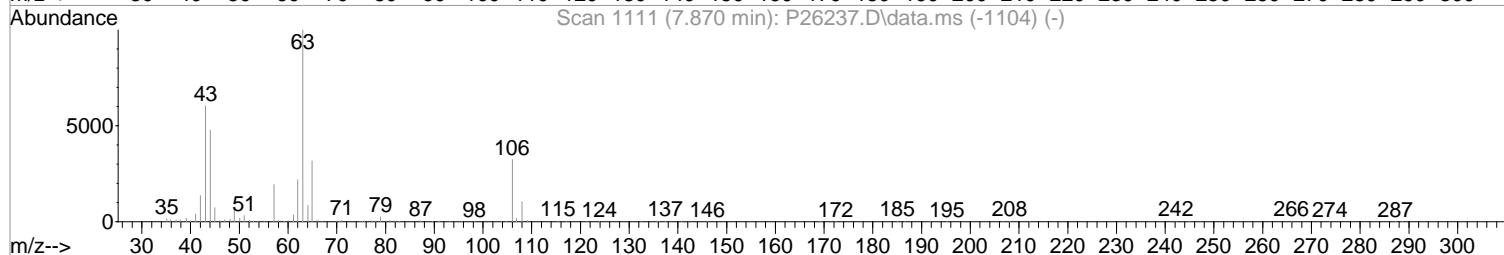
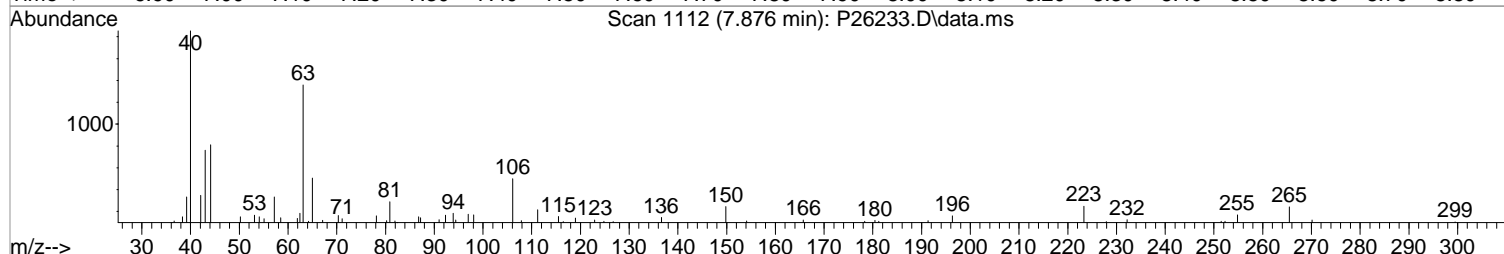
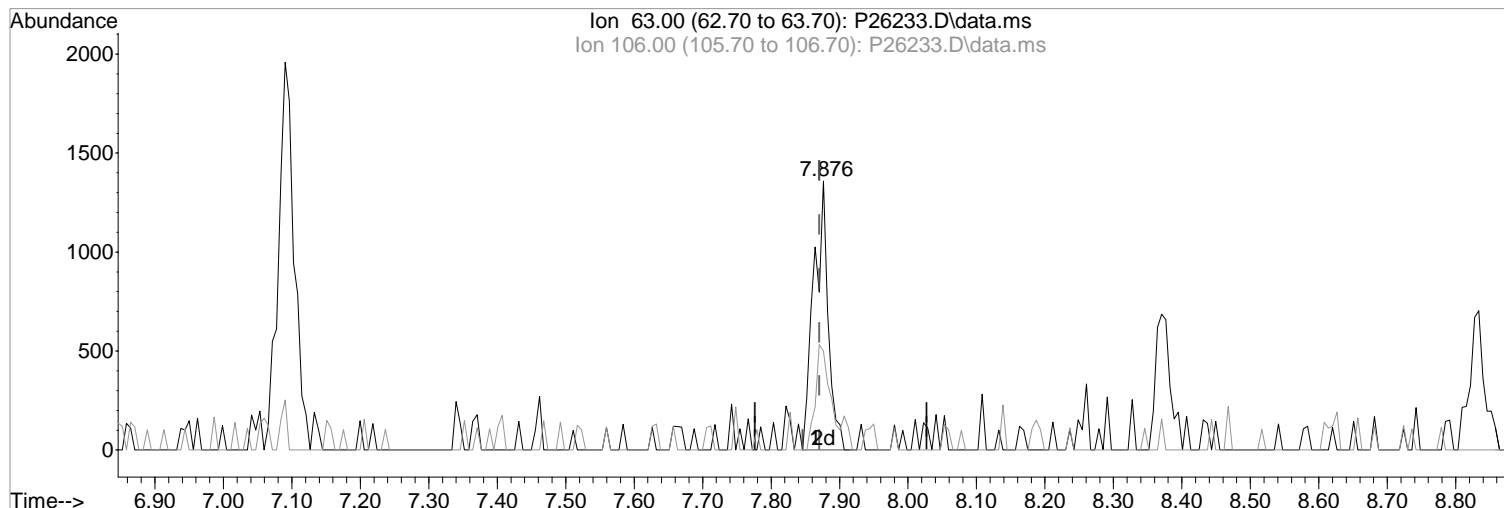
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(62) 2-Chloroethylvinyl Ether

7.876min (+0.006) 0.91 ppb m
response 1997

Ion	Exp%	Act%
63.00	100	100
106.00	32.20	36.79
0.00	0.00	0.00
0.00	0.00	0.00

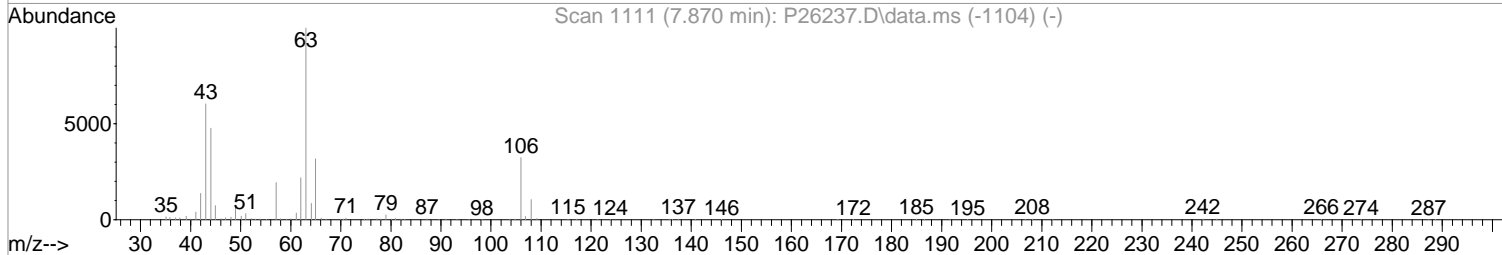
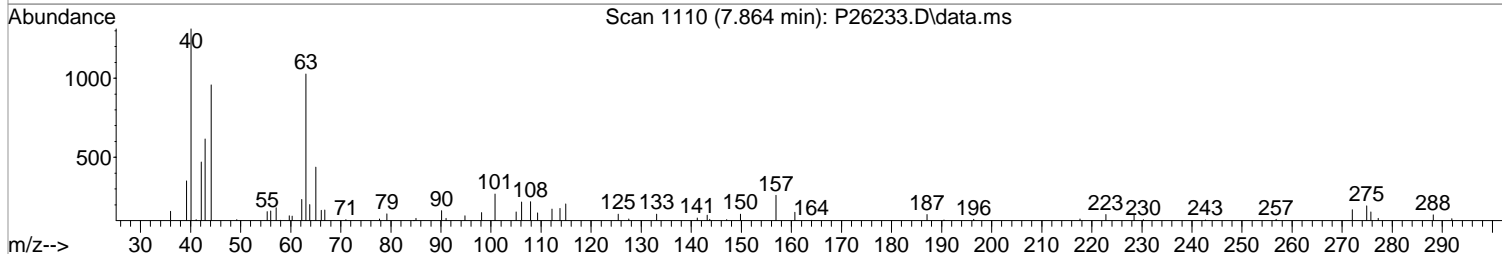
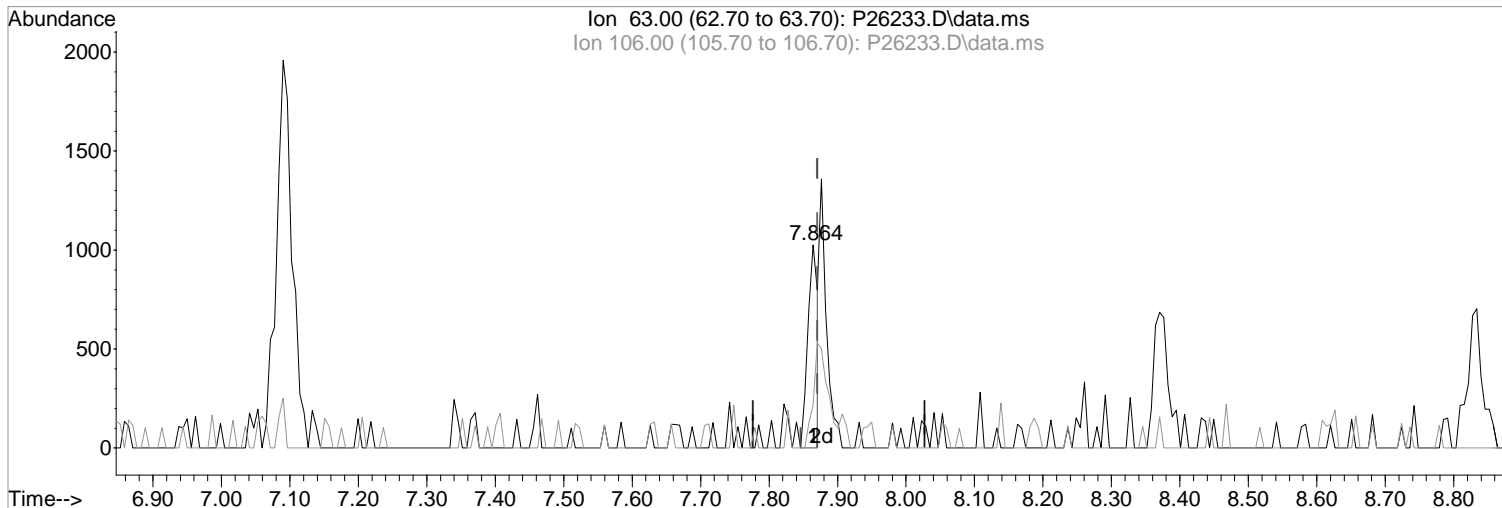
Manual Integration:

After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(62) 2-Chloroethylvinyl Ether

Manual Integration:

7.864min (-0.006) 0.47 ppb

Before

response 1024

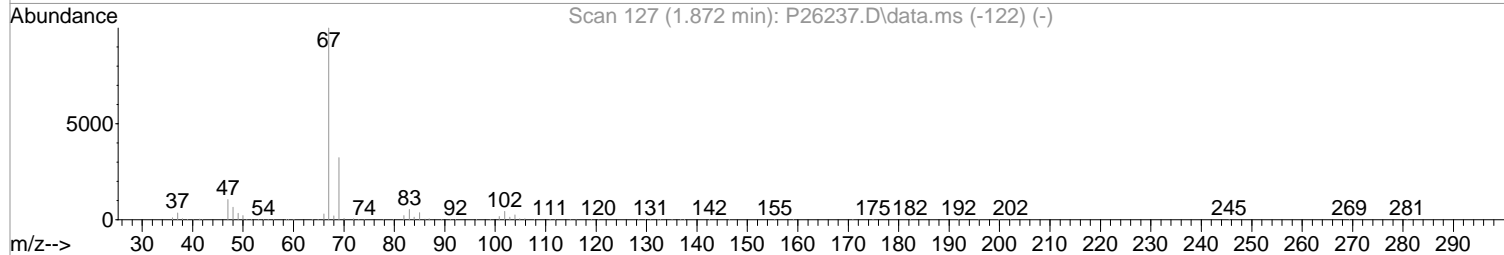
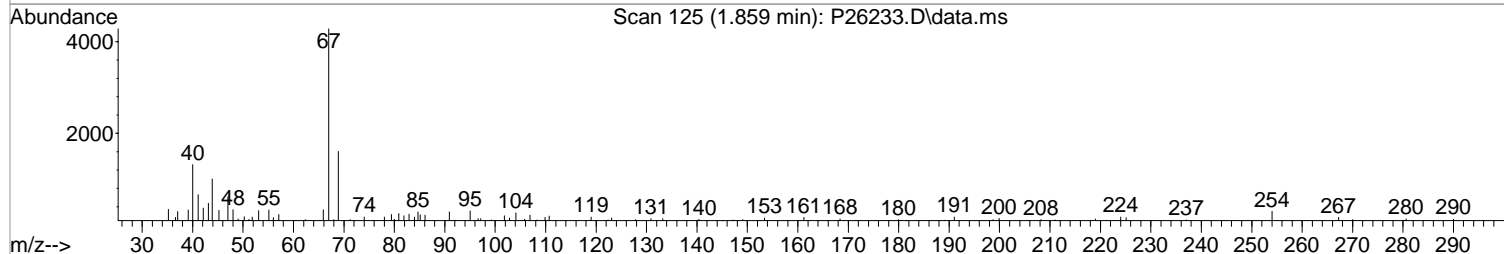
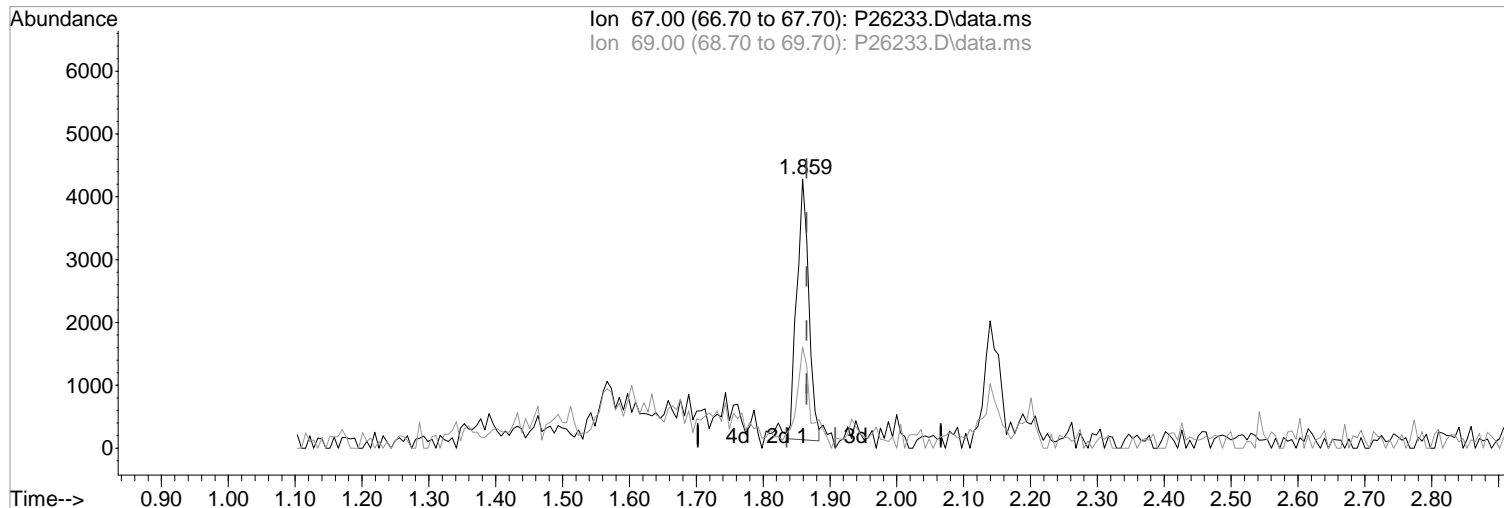
Ion	Exp%	Act%
63.00	100	100
106.00	32.20	21.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(7) Freon 21

1.859min (-0.006) 0.97 ppb m

response 5190

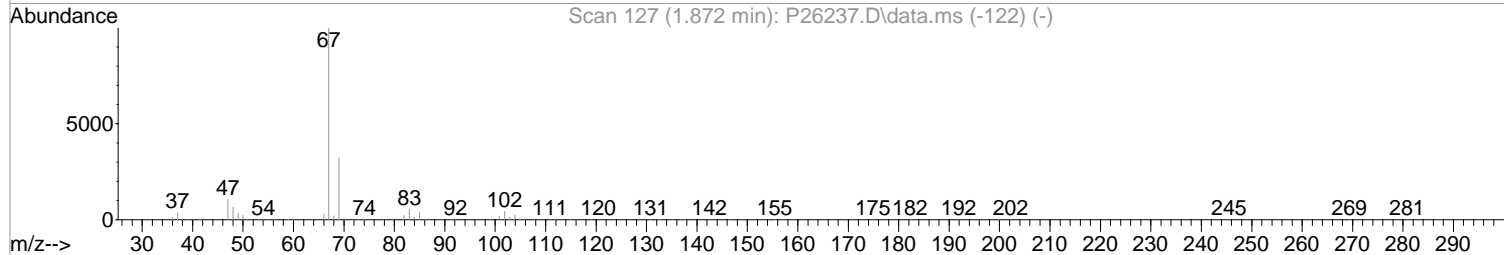
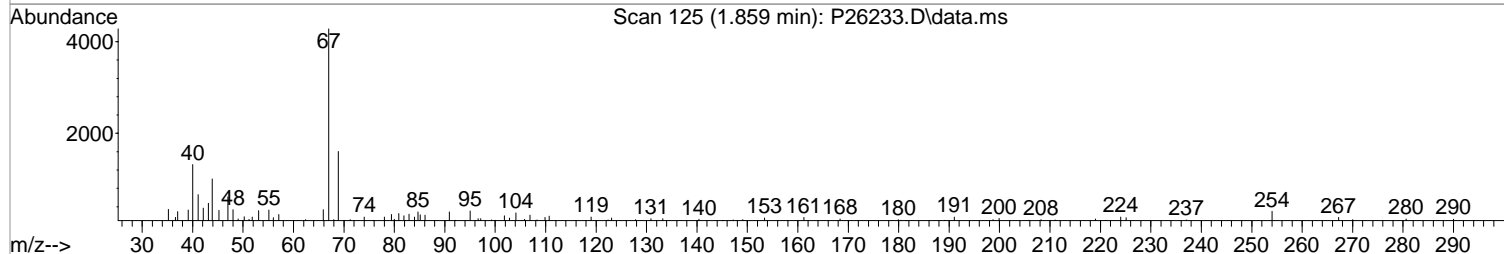
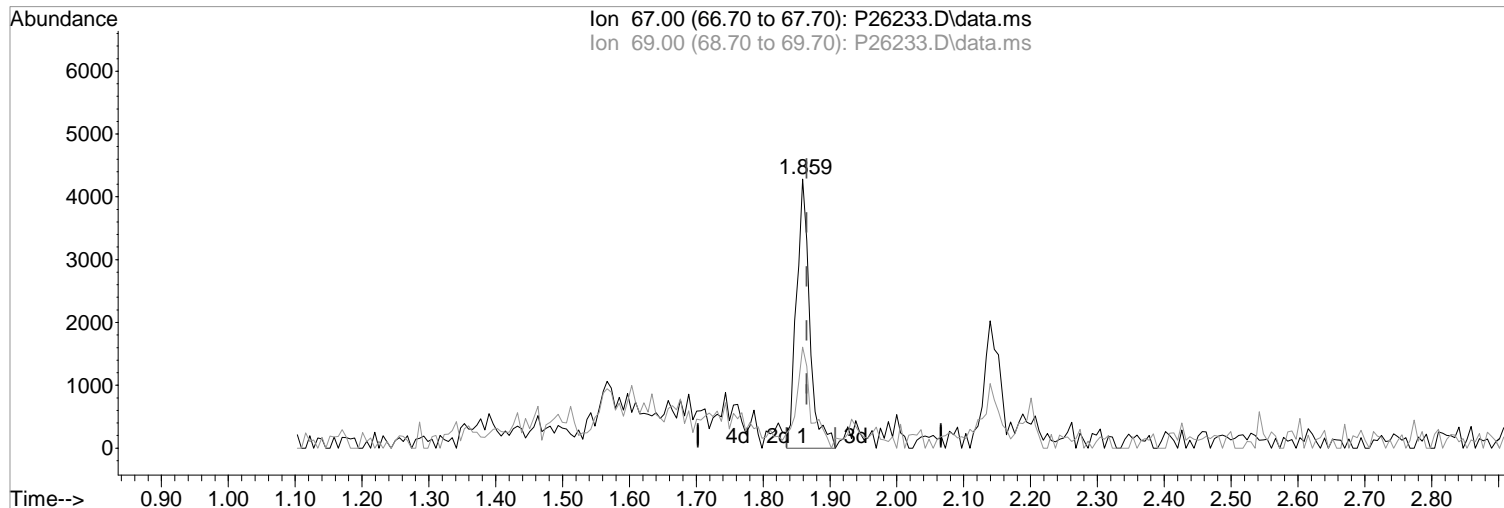
Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(7) Freon 21

1.859min (-0.006) 1.10 ppb

response 5876

Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:53:41 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.395	168	351521	50.00	ppb	-0.01
43) 1,4-Difluorobenzene	6.486	114	498560	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	442620	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	229696	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	30932	10.79	ppb	-0.01
Spiked Amount	50.000	Range 89 - 119	Recovery	=	21.58%#	
48) surr1,1,2-dichloroetha...	5.791	65	36767	11.76	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	23.52%#	
65) SURR3,Toluene-d8	8.297	98	133615	11.23	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	22.46%#	
70) SURR2,BFB	10.864	95	50875	10.94	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	21.88%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.207	85	3410	1.03	ppb	93
3) Chloromethane	1.329	50	3403	1.13	ppb	76
4) Vinyl Chloride	1.408	62	3196	0.86	ppb	89
5) Bromomethane	1.640	94	4483	1.21	ppb	98
6) Chloroethane	1.713	64	2690	0.89	ppb	96
7) Freon 21	1.859	67	5190m	0.97	ppb	
8) Trichlorofluoromethane	1.908	101	4217	0.92	ppb	87
9) Diethyl Ether	2.146	59	3107	1.17	ppb	88
10) Freon 123a	2.140	67	3474	1.06	ppb	90
11) Freon 123	2.201	83	3763	0.99	ppb	83
12) Acrolein	2.237	56	3922m	6.20	ppb	
13) 1,1-Dicethene	2.323	96	3071	1.05	ppb	# 72
14) Freon 113	2.329	101	2689	1.04	ppb	# 50
15) Acetone	2.371	43	2743	1.94	ppb	91
16) 2-Propanol	2.506	45	6859m	18.82	ppb	
17) Iodomethane	2.451	142	1403	0.43	ppb	# 58
18) Carbon Disulfide	2.518	76	6383	0.91	ppb	87
19) Acetonitrile	2.627	40	1904	11.60	ppb	# 17
20) Allyl Chloride	2.652	76	1765m	1.15	ppb	
21) Methyl Acetate	2.688	43	2436	0.80	ppb	83
22) Methylene Chloride	2.774	84	3922	1.20	ppb	95
23) TBA	2.896	59	13100	19.52	ppb	77
24) Acrylonitrile	3.036	53	8063	5.26	ppb	86
25) Methyl-t-Butyl Ether	3.079	73	11021	1.04	ppb	90
26) trans-1,2-Dichloroethene	3.072	96	3669	1.14	ppb	# 74
28) 1,1-Dicethane	3.566	63	5579	1.06	ppb	92
29) Vinyl Acetate	3.676	86	288m	0.44	ppb	
30) DIPE	3.688	45	8536	1.04	ppb	83
31) 2-Chloro-1,3-Butadiene	3.688	53	3887	0.99	ppb	99
32) ETBE	4.219	59	9225	1.02	ppb	90
33) 2,2-Dichloropropane	4.389	77	4736m	0.99	ppb	
34) cis-1,2-Dichloroethene	4.408	96	4217m	1.11	ppb	
36) Propionitrile	4.536	54	3398m	4.90	ppb	
37) Bromochloromethane	4.798	130	2398m	0.94	ppb	
38) Methacrylonitrile	4.822	67	1425	0.75	ppb	# 73
40) Chloroform	4.981	83	5556	1.00	ppb	# 74
41) 1,1,1-Trichloroethane	5.261	97	5360	1.03	ppb	78
42) TAME	6.102	73	9631	1.01	ppb	88
44) Cyclohexane	5.353	41	2453m	0.91	ppb	

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Carbontetrachloride	5.523	117	4031m	0.93	ppb	
47) 1,1-Dichloropropene	5.548	75	3861	0.96	ppb	91
49) Benzene	5.865	78	13316	1.03	ppb	95
50) 1,2-Dichloroethane	5.907	62	4629	1.01	ppb	81
51) Iso-Butyl Alcohol	5.871	43	5327m	19.19	ppb	
52) n-Heptane	6.352	43	3460	1.01	ppb	88
53) 1-Butanol	6.834	56	8370m	44.20	ppb	
54) Trichloroethene	6.803	130	4051	1.01	ppb	# 67
55) Methylcyclohexane	7.041	55	4170	1.11	ppb	88
56) 1,2-Diclpropane	7.090	63	3141	1.01	ppb	85
57) Dibromomethane	7.236	93	2057	0.94	ppb	# 80
58) 1,4-Dioxane	7.285	88	1759m	20.87	ppb	
59) Methyl Methacrylate	7.322	69	2880	0.94	ppb	# 73
60) Bromodichloromethane	7.462	83	4230	0.98	ppb	93
61) 2-Nitropropane	7.742	41	1819	1.63	ppb	86
62) 2-Chloroethylvinyl Ether	7.876	63	1997m	0.91	ppb	
63) cis-1,3-Dichloropropene	8.004	75	5478	0.99	ppb	84
64) 4-Methyl-2-pentanone	8.212	43	3476	0.89	ppb	84
66) Toluene	8.376	91	13433	0.92	ppb	94
67) trans-1,3-Dichloropropene	8.645	75	4340	0.88	ppb	90
68) Ethyl Methacrylate	8.785	69	5385	1.01	ppb	89
69) 1,1,2-Trichloroethane	8.827	97	3754	1.07	ppb	88
72) Tetrachloroethene	8.962	164	2769	0.87	ppb	# 83
73) 2-Hexanone	9.120	43	2177	0.73	ppb	99
74) 1,3-Dichloropropane	9.004	76	4706	0.88	ppb	89
75) Dibromochloromethane	9.224	129	3716	0.96	ppb	92
76) N-Butyl Acetate	9.279	43	5922	1.04	ppb	88
77) 1,2-Dibromoethane	9.321	107	3694	1.03	ppb	# 75
78) Chlorobenzene	9.815	112	9837	1.01	ppb	89
79) 3-CBTF	9.833	180	5154	0.92	ppb	# 91
80) 4-CBTF	9.888	180	4584	0.90	ppb	88
81) 1,1,1,2-Tetrachloroethane	9.907	131	3692	0.98	ppb	# 78
82) Ethylbenzene	9.937	106	4885	0.93	ppb	# 87
83) (m+p)Xylene	10.053	106	12731	1.95	ppb	90
84) o-Xylene	10.406	106	6419	0.97	ppb	# 83
85) Styrene	10.419	104	8523	0.83	ppb	86
87) Bromoform	10.571	173	2476	0.93	ppb	90
88) 2-CBTF	10.650	180	5613	1.11	ppb	# 90
89) Isopropylbenzene	10.742	105	15958	1.10	ppb	98
90) Cyclohexanone	10.803	55	15150	21.02	ppb	86
91) trans-1,4-Dichloro-2-B...	11.047	53	1332	1.12	ppb	# 72
92) 1,1,2,2-Tetrachloroethane	10.998	83	5199	1.19	ppb	84
93) Bromobenzene	10.986	156	4539	1.04	ppb	# 81
94) 1,2,3-Trichloropropane	11.022	110	1946	1.19	ppb	# 75
95) n-Propylbenzene	11.095	91	16727	1.07	ppb	93
96) 2-Chlorotoluene	11.162	91	9316	0.96	ppb	85
97) 3-Chlorotoluene	11.211	91	9500	1.03	ppb	95
98) 4-Chlorotoluene	11.254	91	11143	1.00	ppb	79
99) 1,3,5-Trimethylbenzene	11.248	105	12723	1.05	ppb	94
100) tert-Butylbenzene	11.522	119	10875	0.98	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	12960	1.07	ppb	88
102) 3,4-DCBTF	11.620	214	4588	1.06	ppb	# 85
103) sec-Butylbenzene	11.705	105	16150	1.04	ppb	87
104) p-Isopropyltoluene	11.827	119	13102	0.97	ppb	81
105) 1,3-Dclbenz	11.784	146	7854	1.01	ppb	95
106) 1,4-Dclbenz	11.857	146	8407	1.06	ppb	91

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

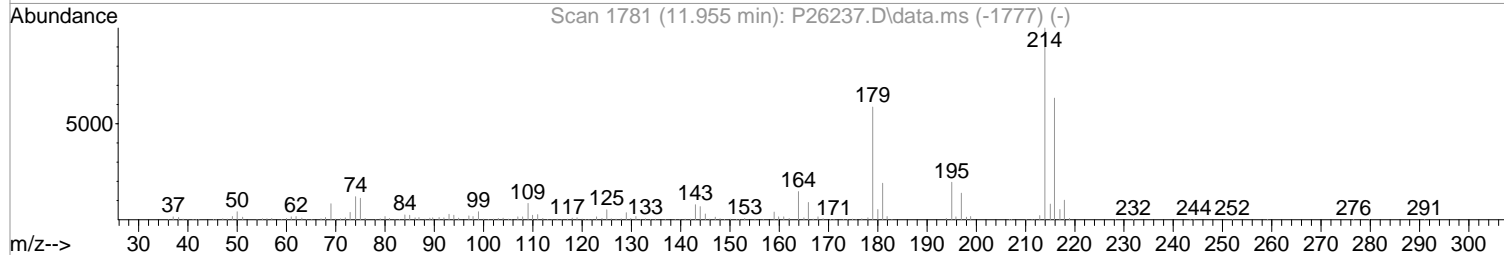
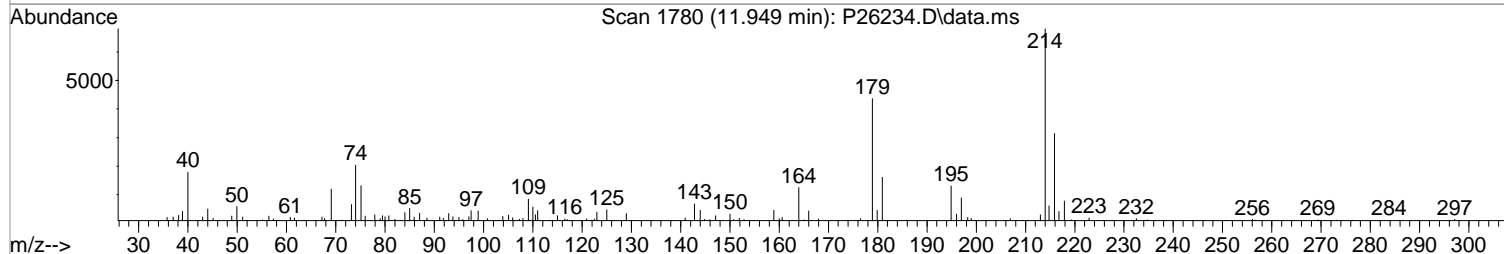
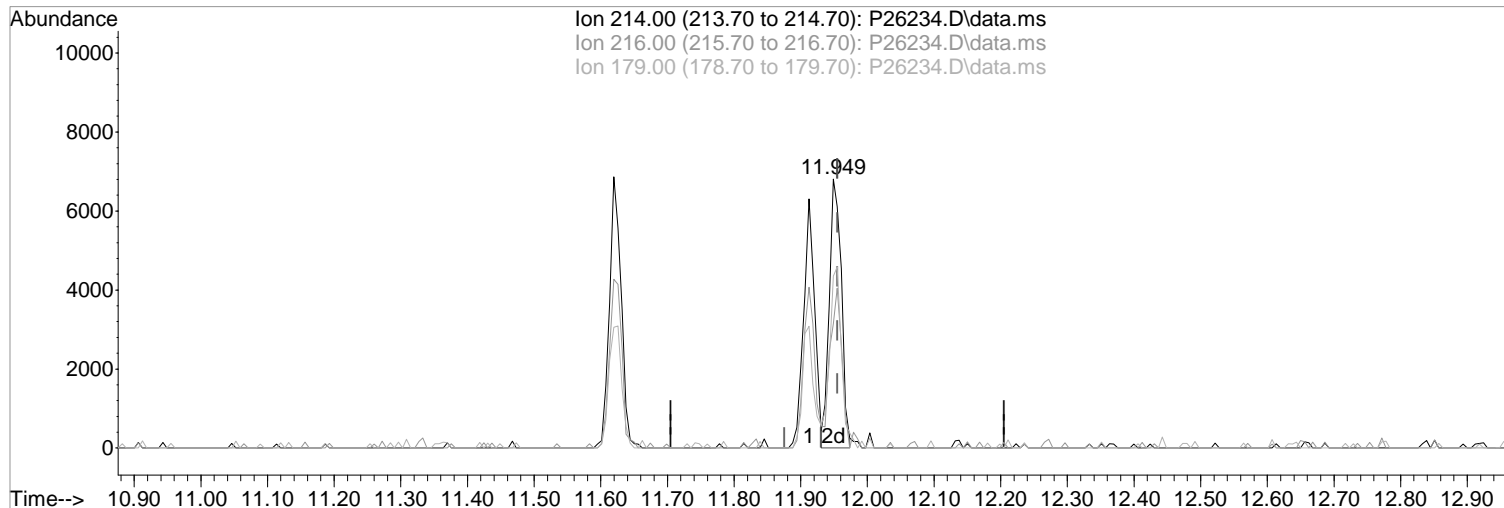
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 2,4-DCBTF	11.918	214	3810	0.98	ppb	93
108) 2,5-DCBTF	11.955	214	4152	0.96	ppb	88
109) n-Butylbenzene	12.162	91	11067	0.99	ppb	96
110) 1,2-Dclbenz	12.156	146	8124	1.05	ppb	95
111) 1,2-Dibromo-3-chloropr...	12.784	157	1513	0.98	ppb #	50
112) Trielution Dichlorotol...	12.894	125	20256	3.11	ppb #	91
113) 1,3,5 Trichlorobenzene	12.955	180	6340	1.03	ppb #	89
114) Coelution Dichlorotoluene	13.229	125	14548	2.00	ppb	98
115) 1,2,4-Tcbenzene	13.442	180	5821	0.90	ppb	97
116) Hexachlorobt	13.577	225	2953	1.06	ppb	88
117) Naphthalen	13.631	128	19207	1.03	ppb	98
118) 1,2,3-Tclbenzene	13.814	180	6985	1.02	ppb	87
119) 2,4,5-Trichlorotolene	14.406	159	3660m	0.88	ppb	
120) 2,3,6-Trichlorotoluene	14.491	159	4567	0.94	ppb	95

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

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(108) 2,5-DCBTF
11.949min (-0.006) 1.91 ppb m
response 8578

Manual Integration:
After
Wrong peak selected.

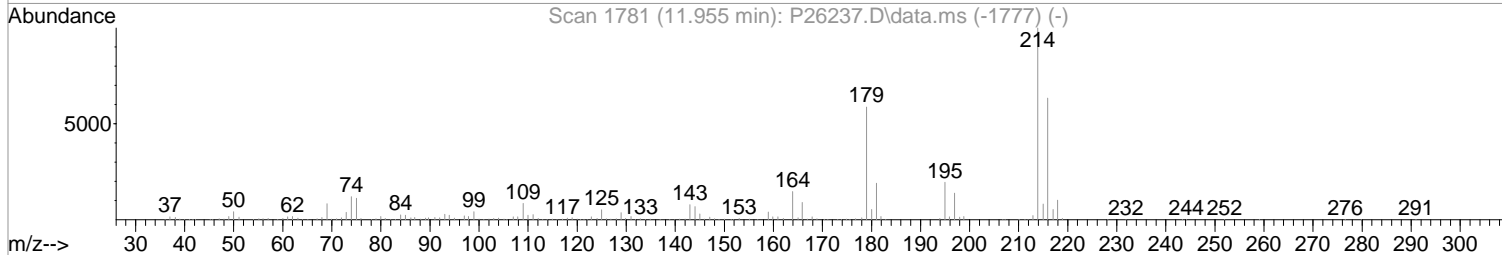
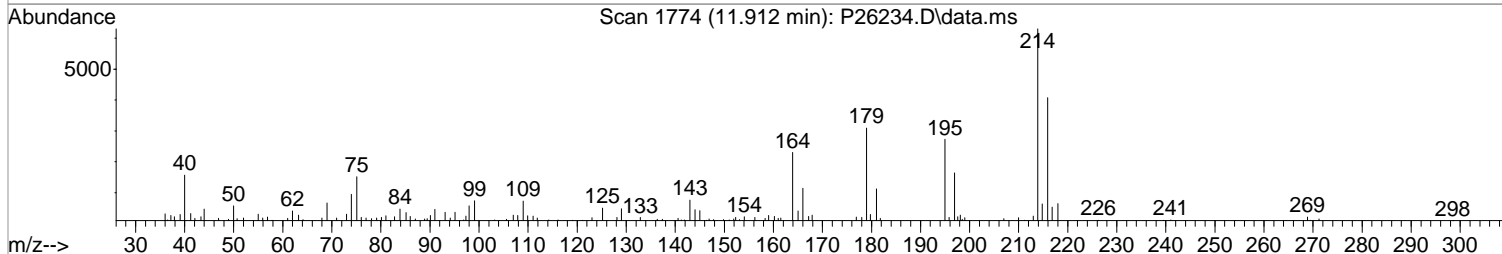
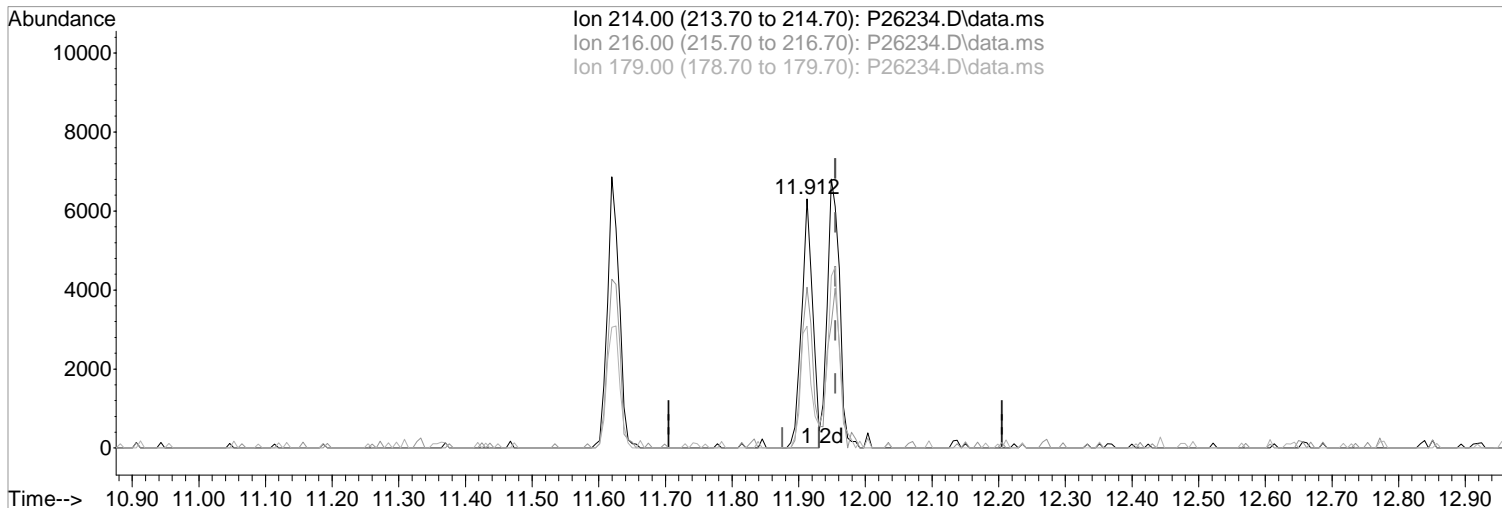
Ion	Exp%	Act%
214.00	100	100
216.00	63.50	46.19#
179.00	57.30	63.99
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(108) 2,5-DCBTF

11.912min (-0.043) 1.65 ppb

response 7385

Ion Exp% Act%

214.00 100 100

216.00 63.50 64.60

179.00 57.30 48.93

0.00 0.00 0.00

Manual Integration:

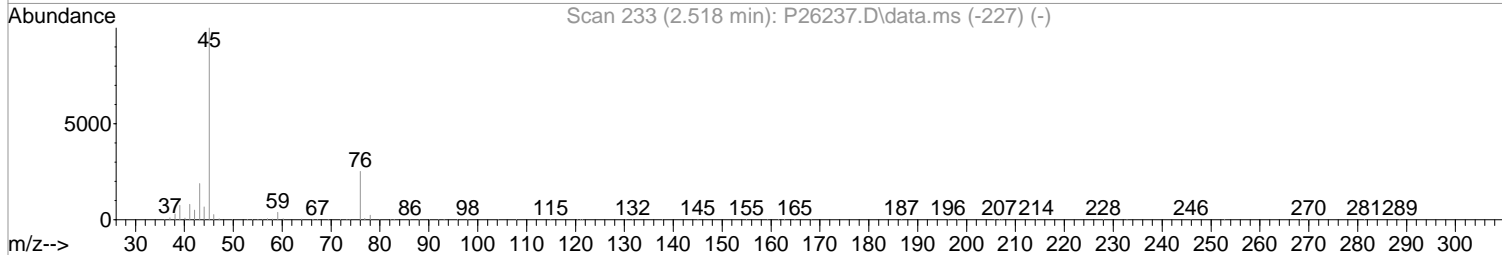
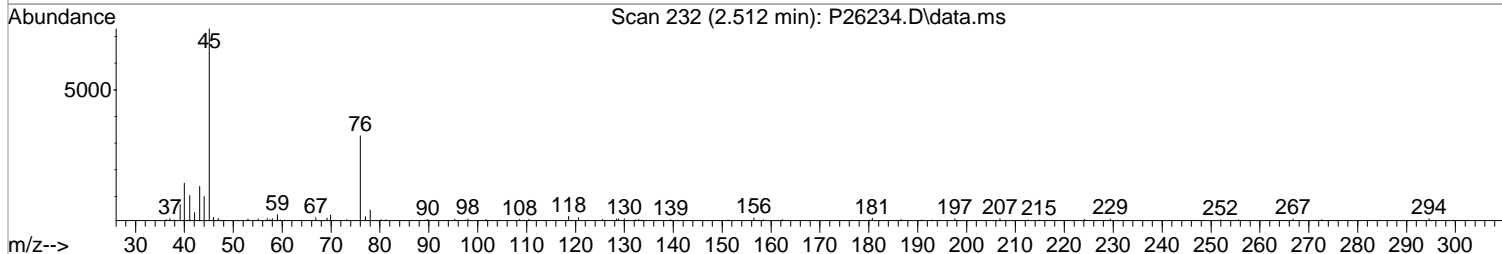
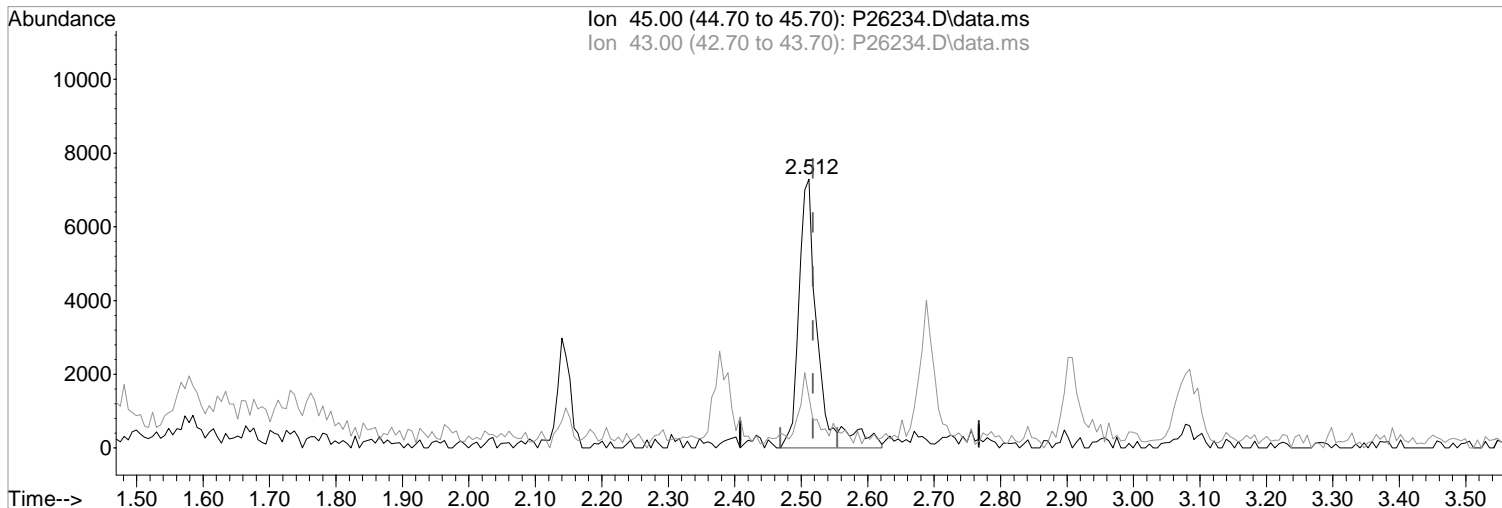
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 41.25 ppb m

response 14531

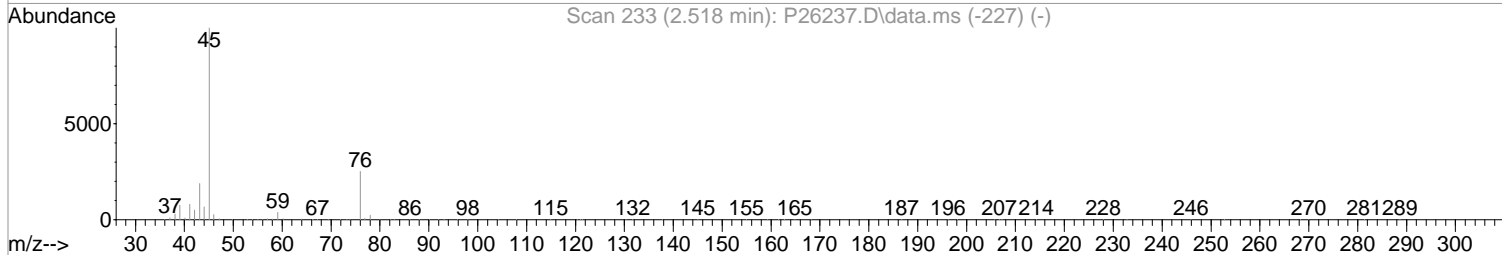
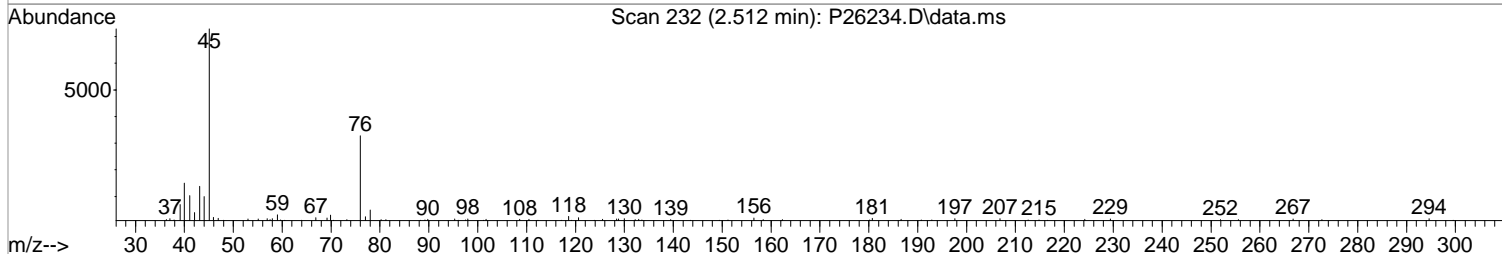
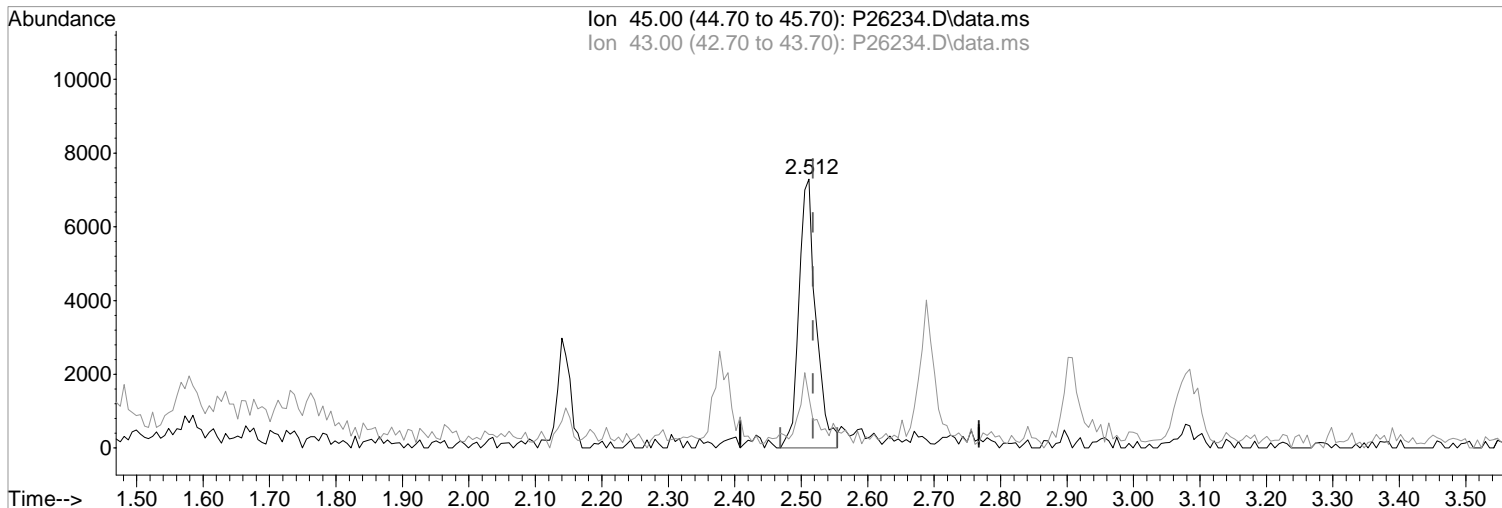
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 36.99 ppb
response 13032

Manual Integration:
Before

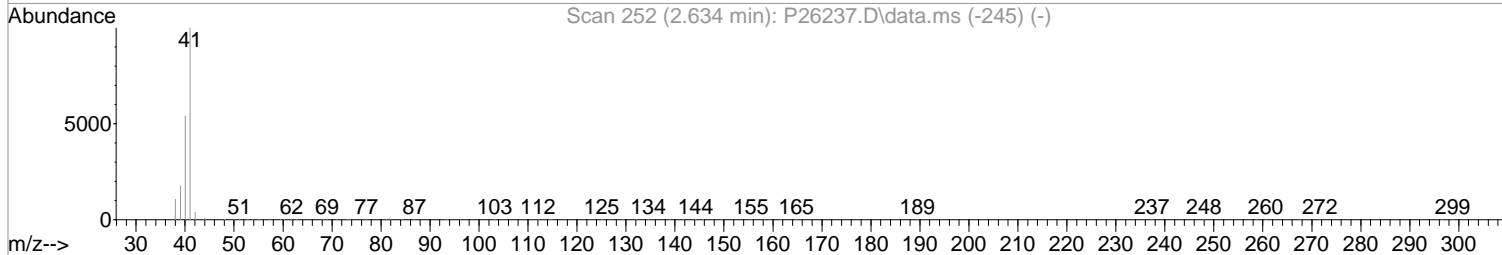
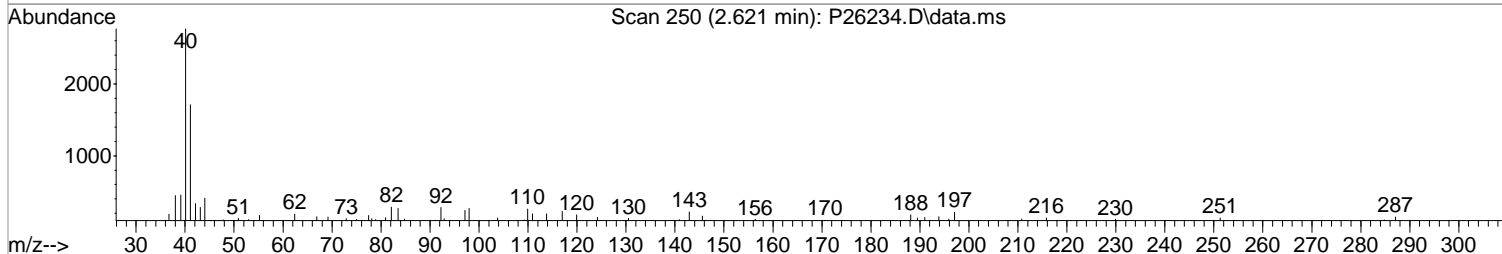
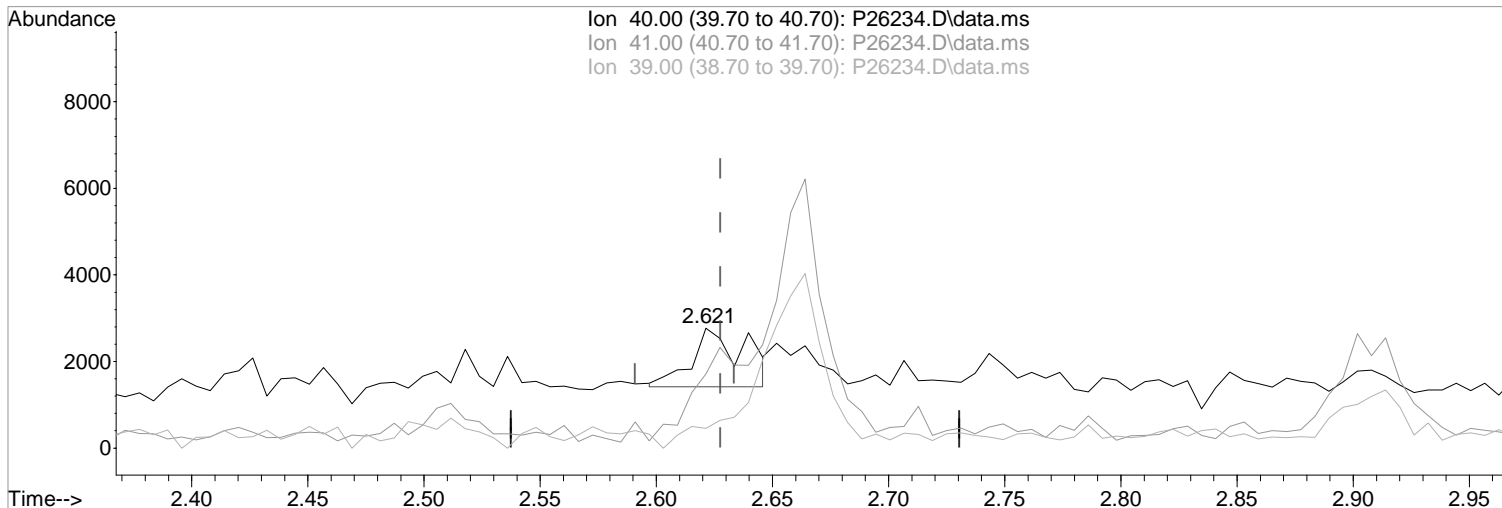
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(19) Acetonitrile
2.621min (-0.006) 13.57 ppb m
response 2154

Manual Integration:
After
Poor integration.

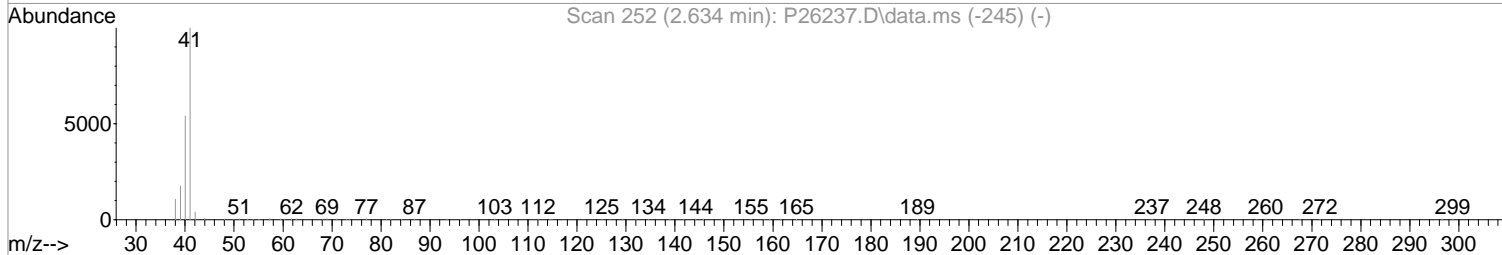
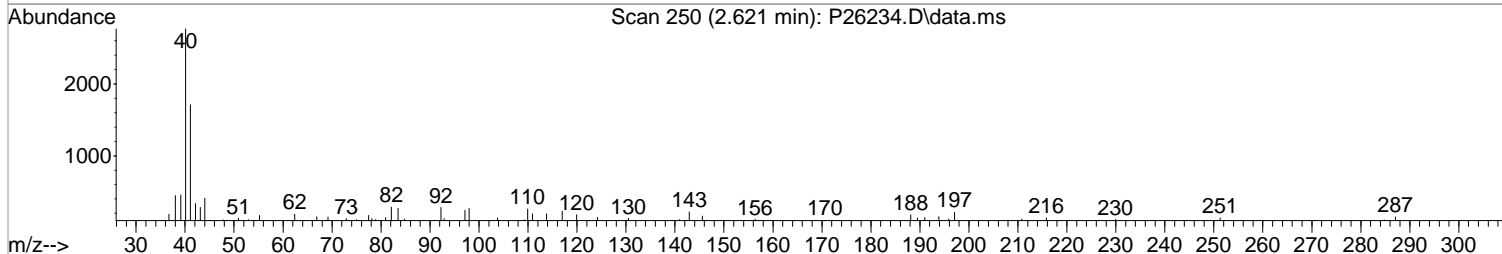
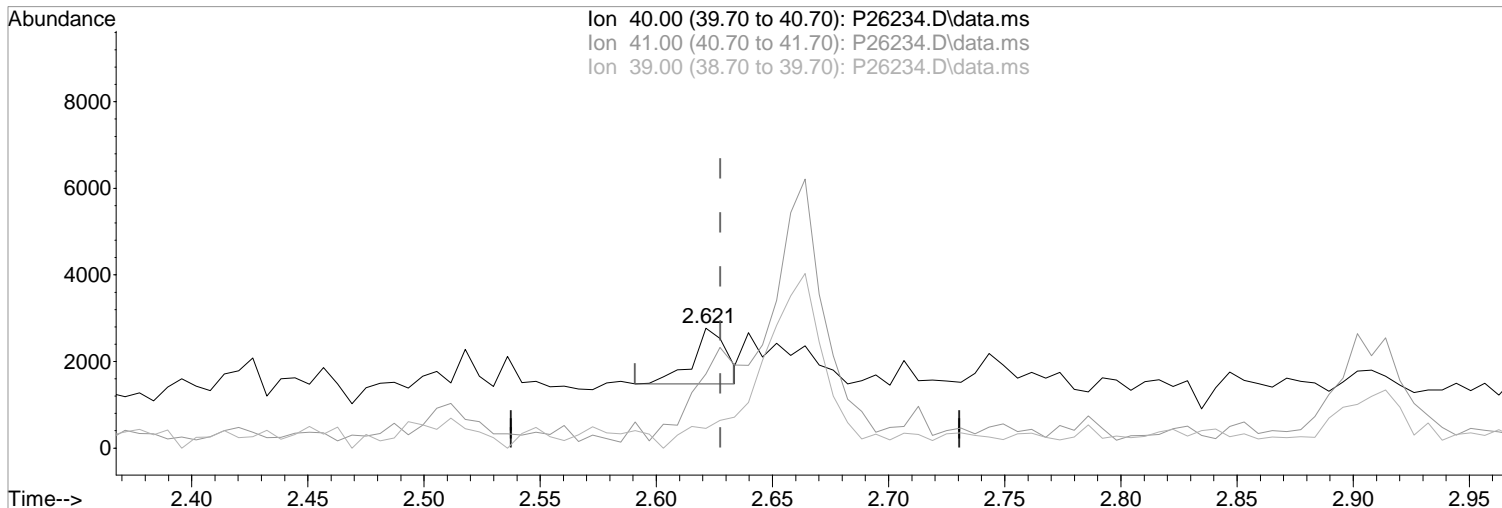
Ion	Exp%	Act%
40.00	100	100
41.00	180.70	61.83#
39.00	33.90	16.43
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

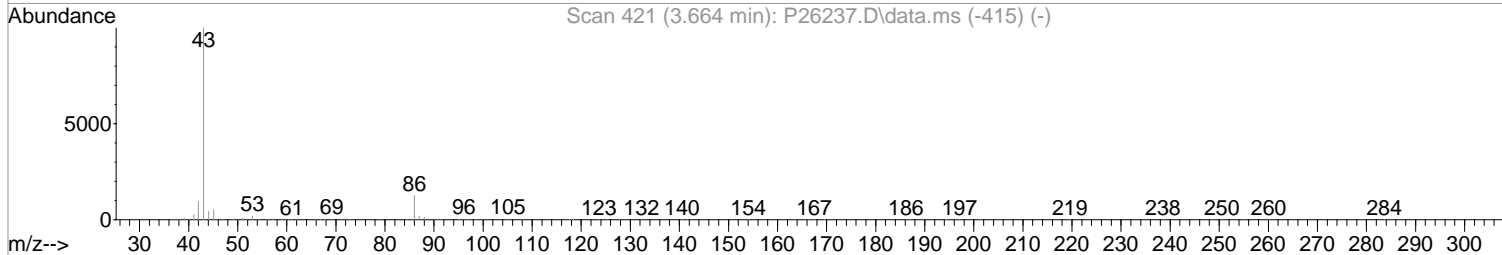
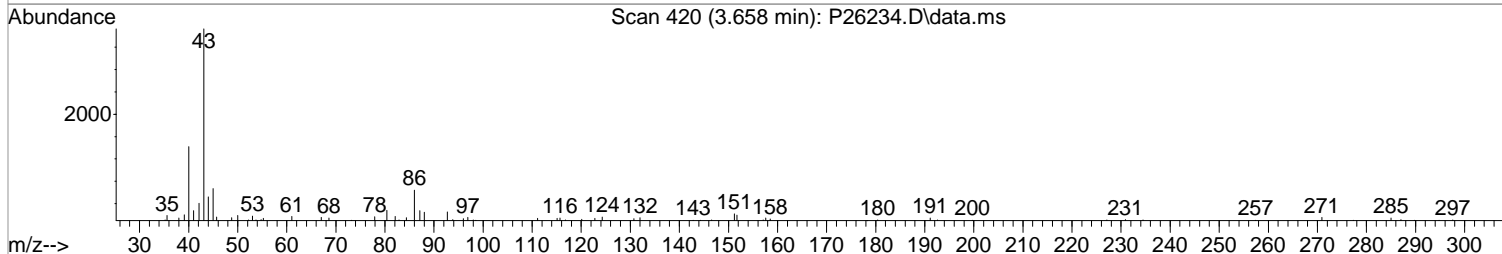
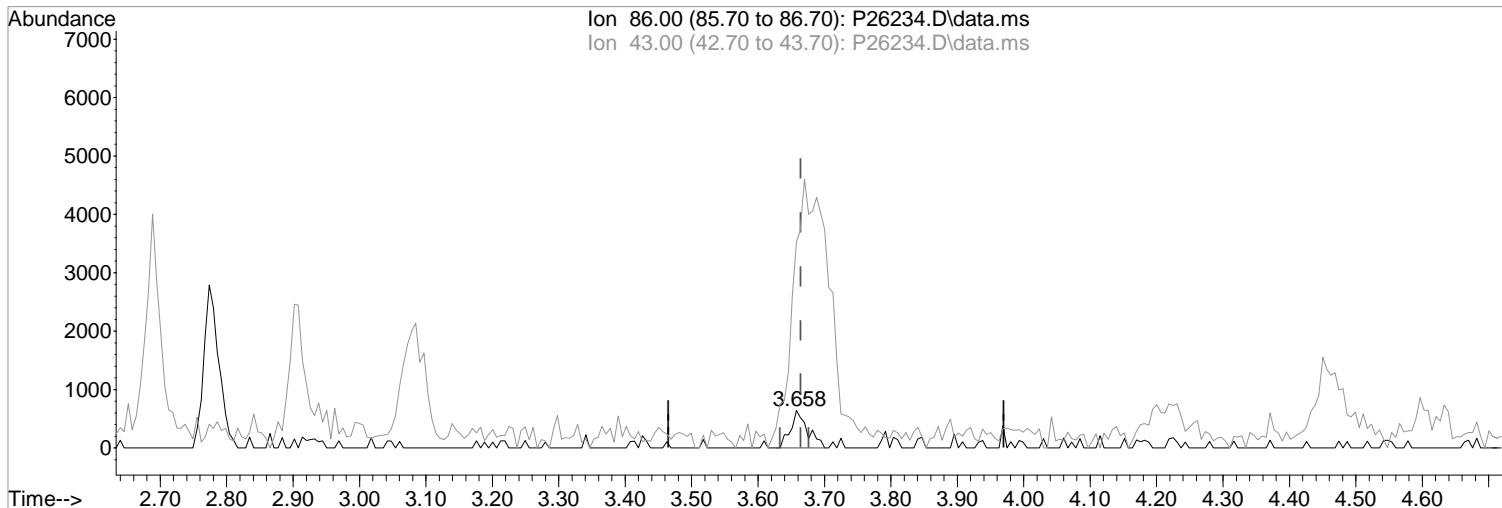
(19) Acetonitrile
2.621min (-0.006) 8.29 ppb
response 1316
lon Exp% Act%
40.00 100 100
41.00 180.70 61.83#
39.00 33.90 16.43
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(29) Vinyl Acetate
3.658min (-0.006) 1.83 ppb m
response 1155

Manual Integration:

After

Poor integration.

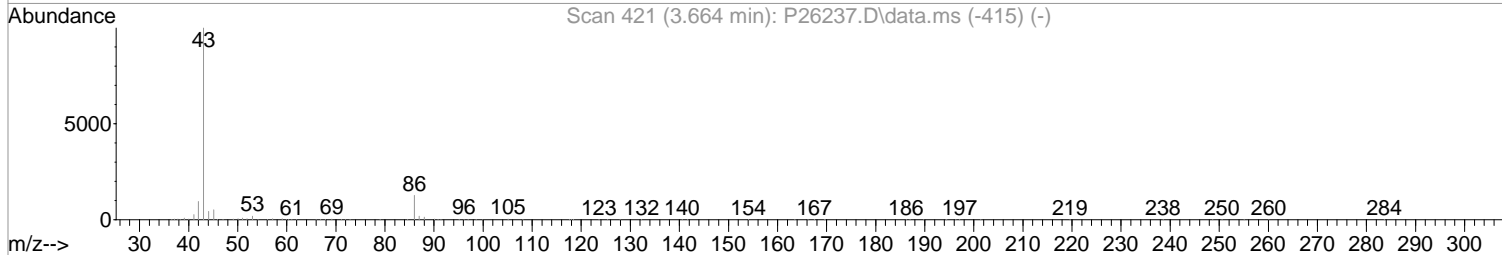
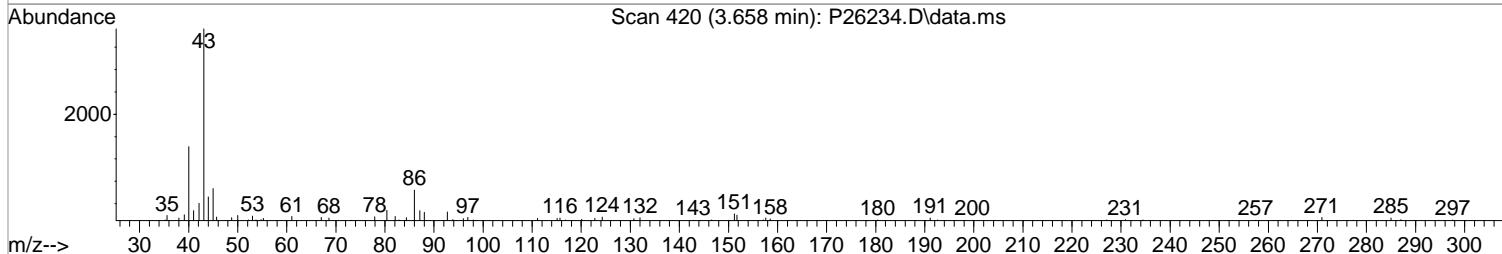
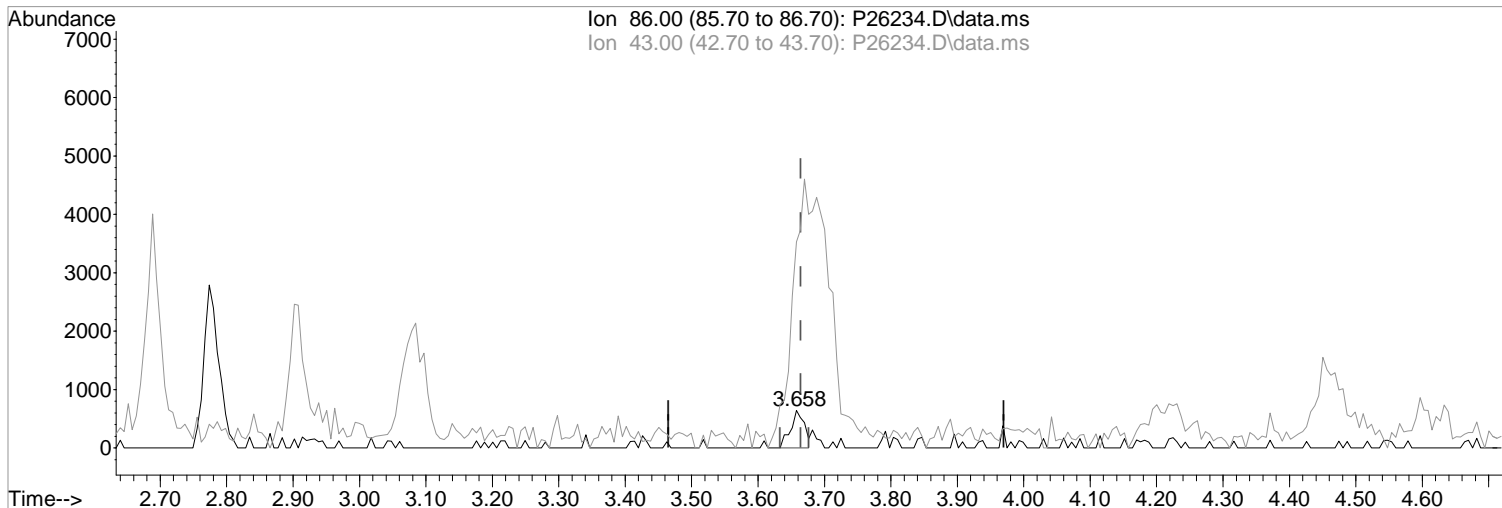
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(29) Vinyl Acetate
3.658min (-0.006) 1.48 ppb
response 938

Manual Integration:
Before

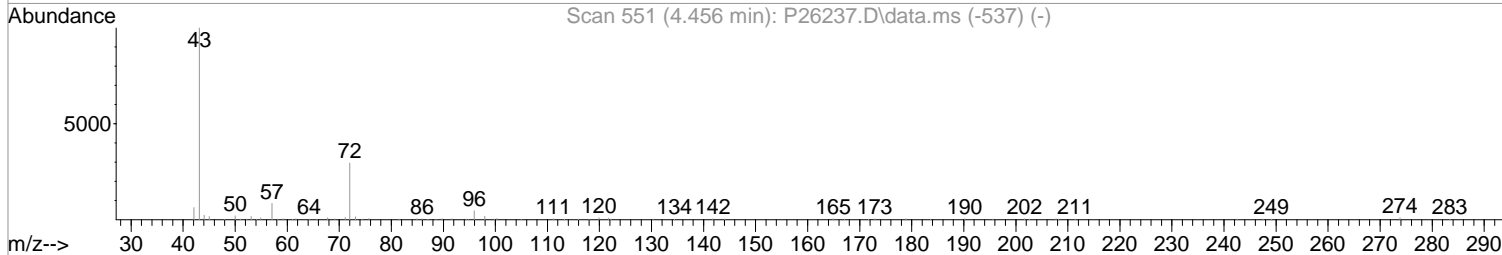
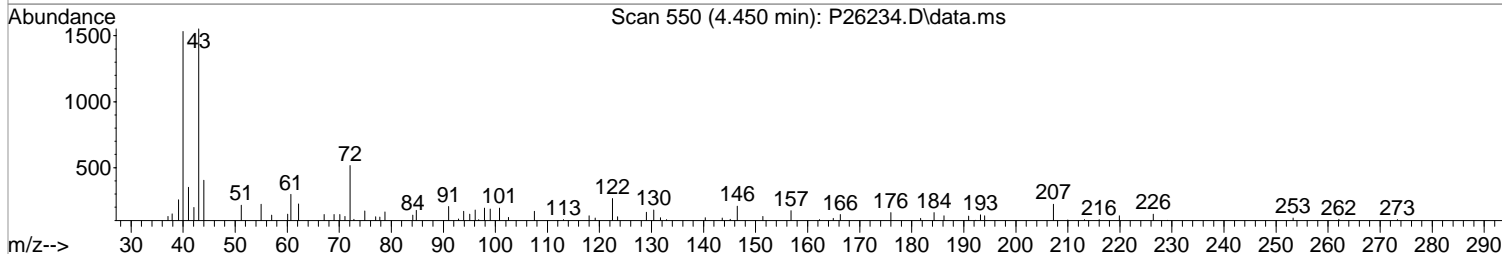
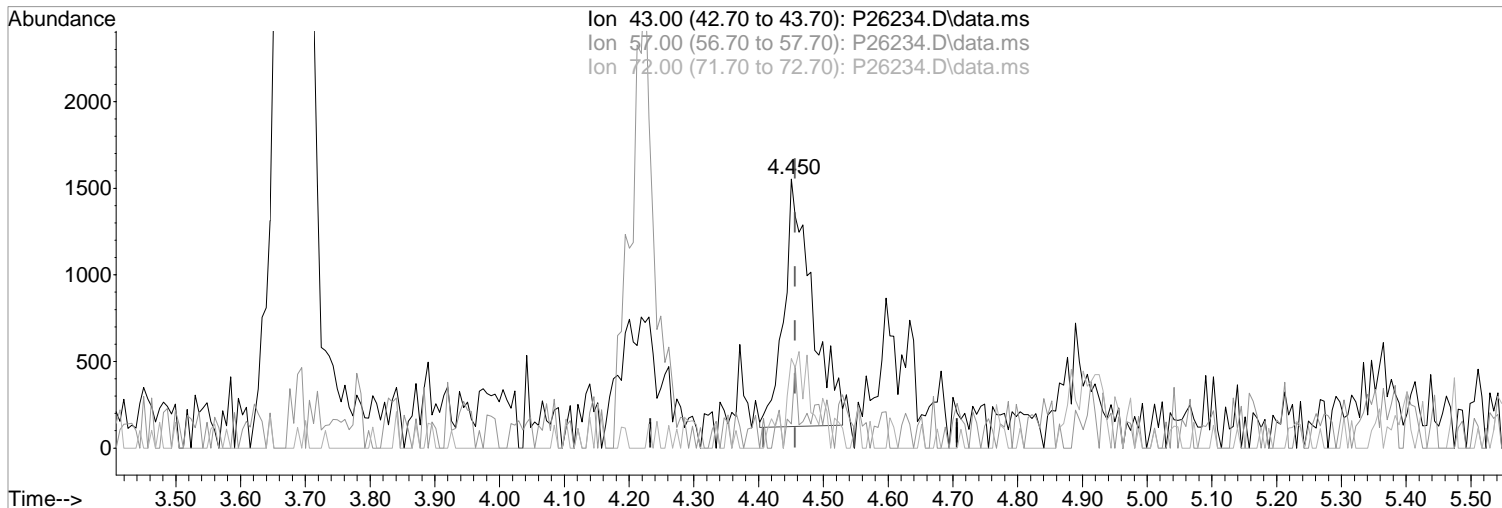
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(35) 2-Butanone (P)

4.450min (-0.006) 2.29 ppb m

response 4296

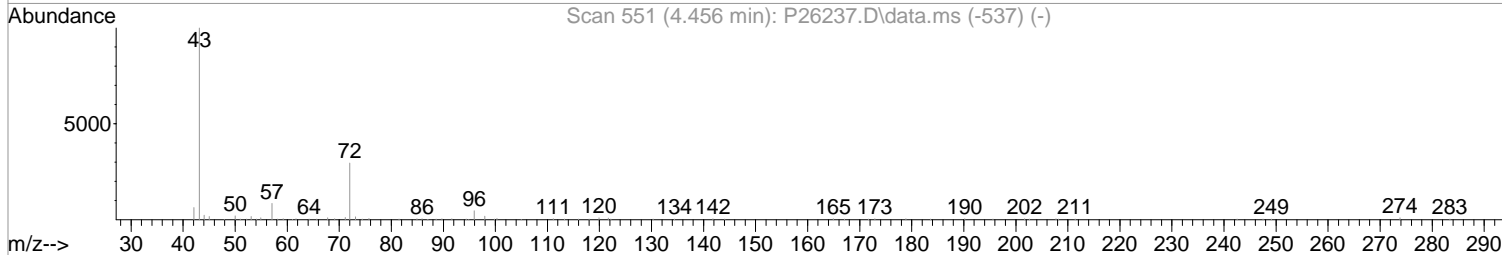
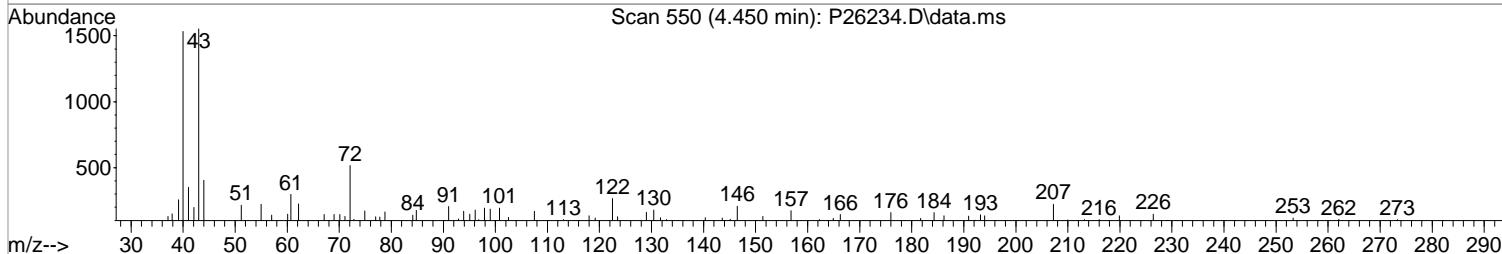
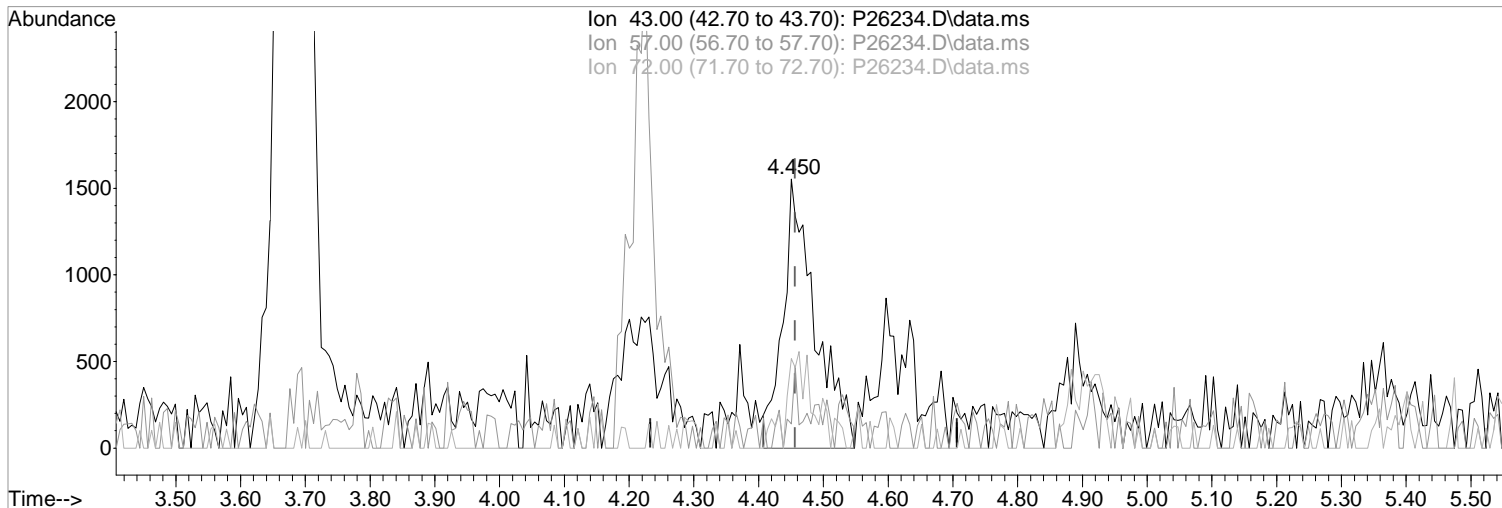
Ion	Exp%	Act%
43.00	100	100
57.00	9.00	8.95
72.00	29.40	33.29
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



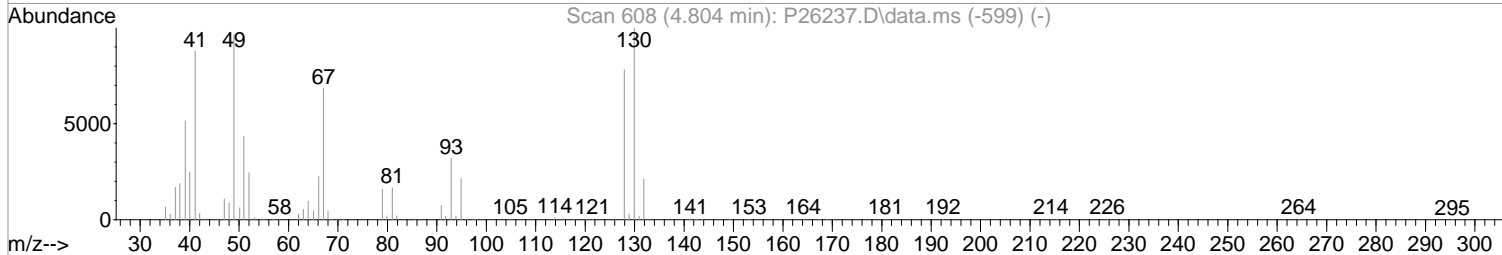
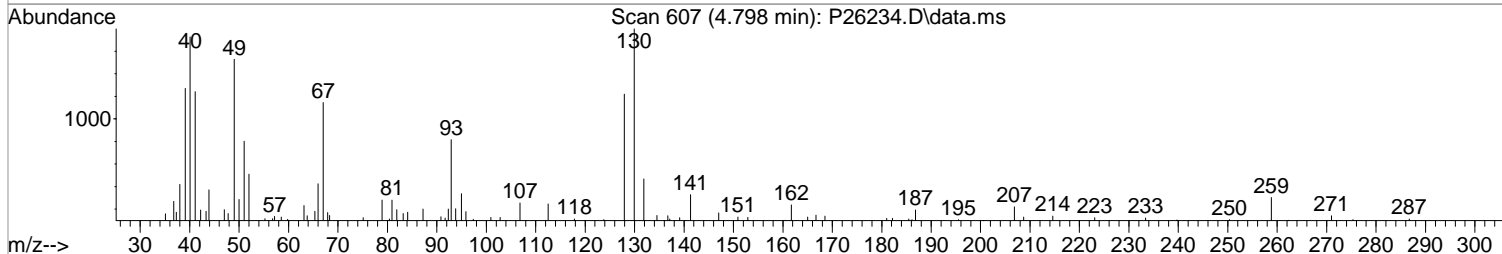
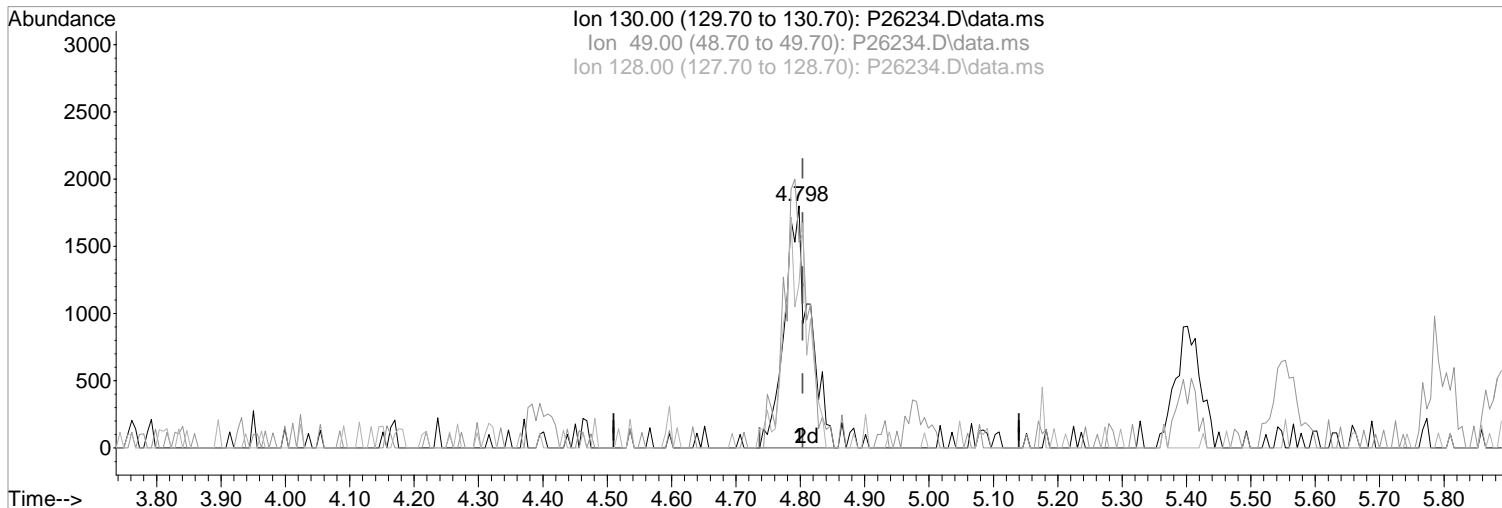
(35) 2-Butanone (P)
4.450min (-0.006) 2.85 ppb
response 5357
Ion Exp% Act%
43.00 100 100
57.00 9.00 8.95
72.00 29.40 33.29
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 2.00 ppb m

response 4906

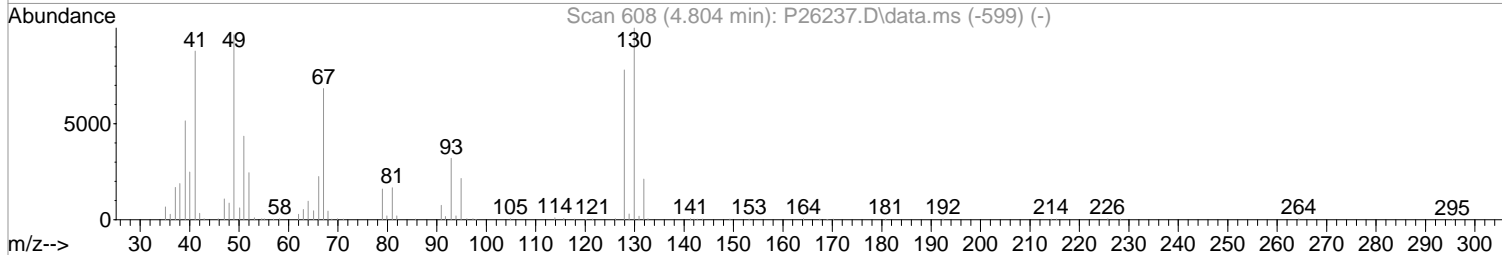
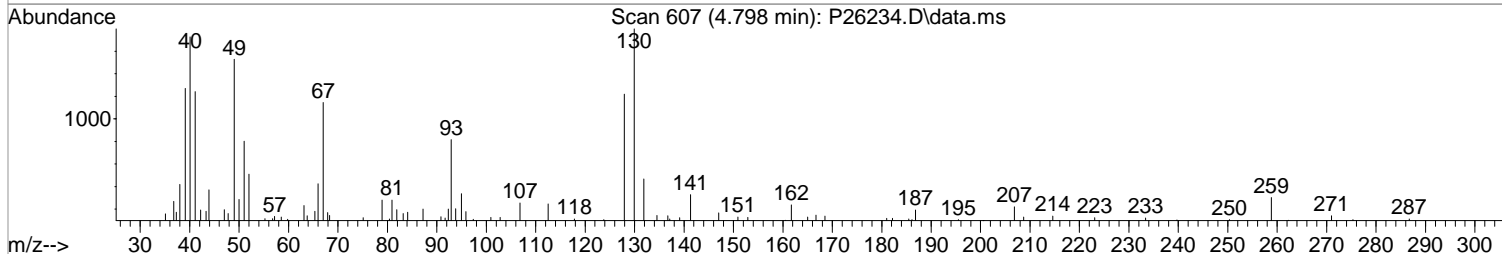
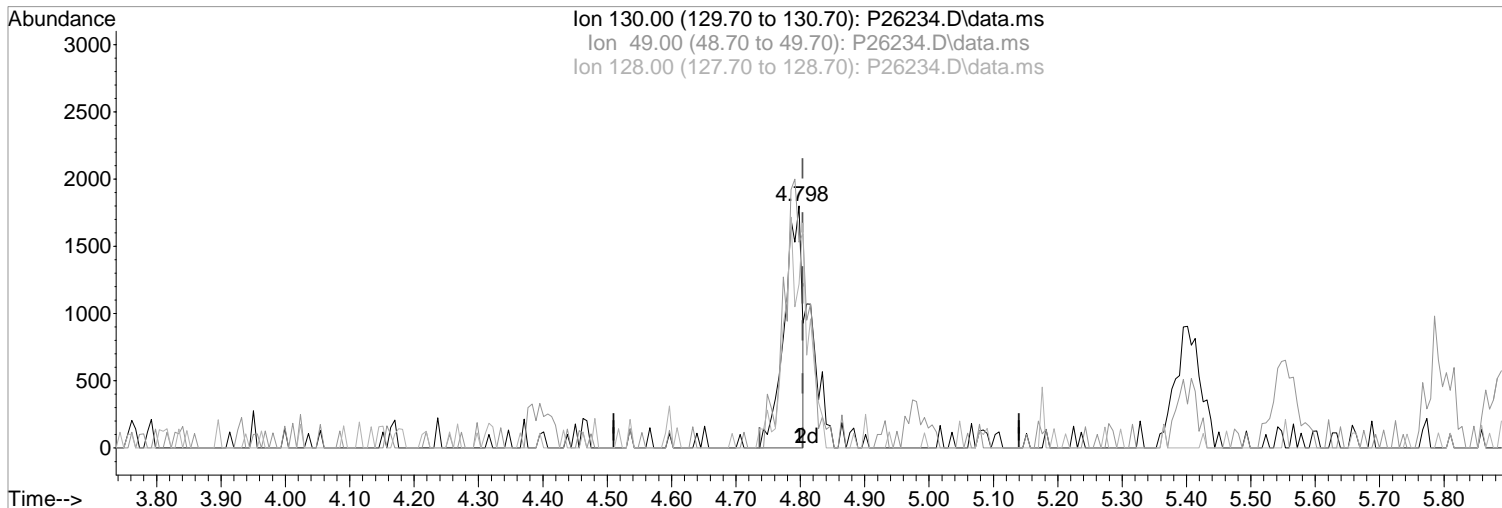
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	85.00
128.00	78.80	67.78
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane
4.798min (-0.006) 1.38 ppb
response 3396

Manual Integration:
Before

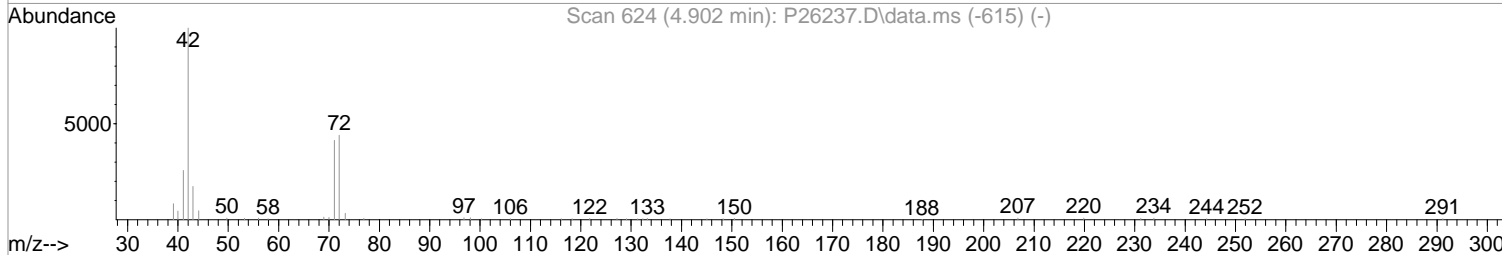
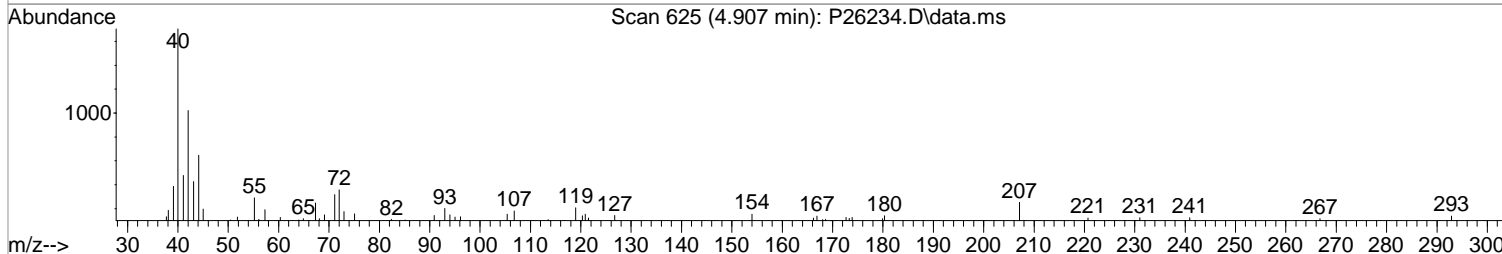
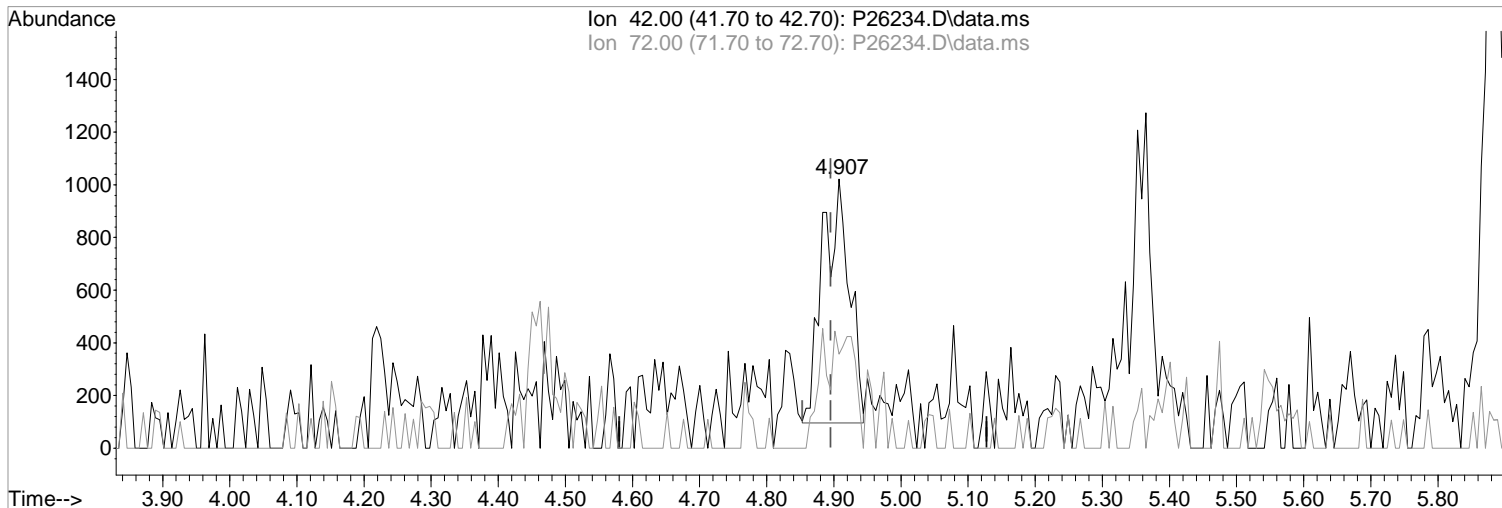
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	85.00
128.00	78.80	67.78
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(39) Tetrahydrofuran

4.907min (+0.012) 2.03 ppb m

response 2588

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	34.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

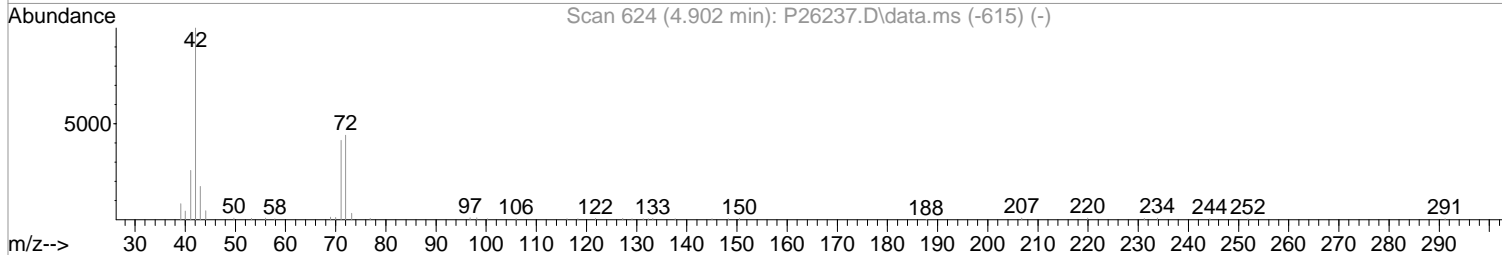
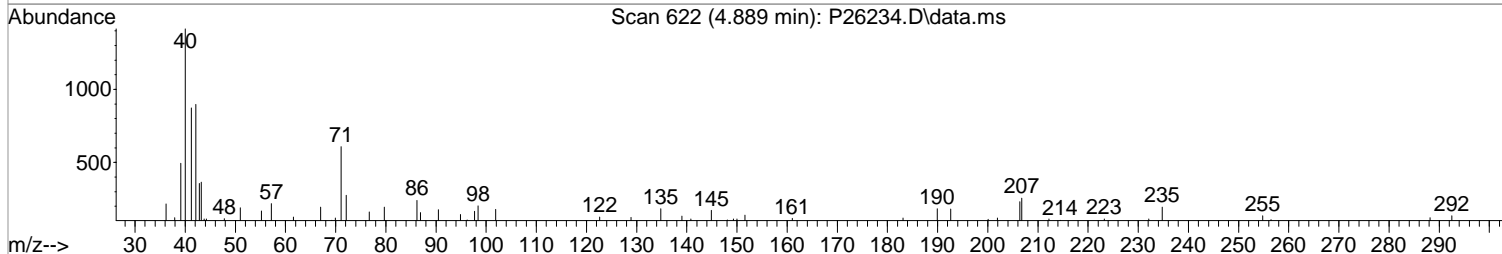
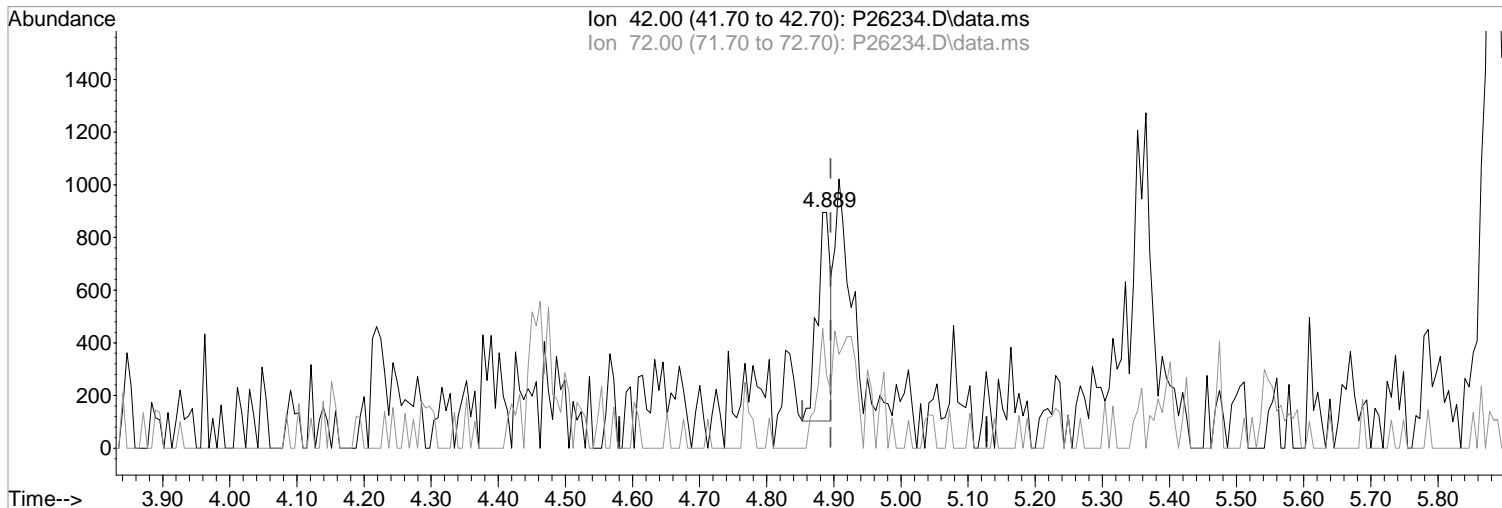
Split Peak

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.889min (-0.006) 0.85 ppb
response 1091

Manual Integration:
Before

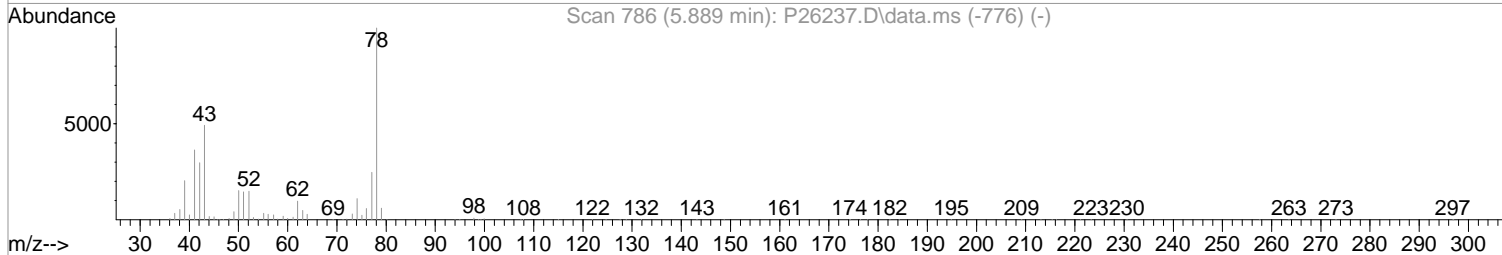
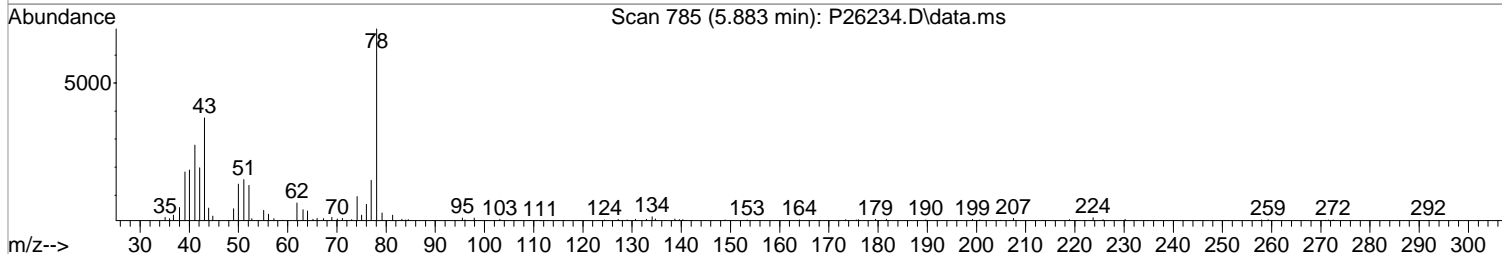
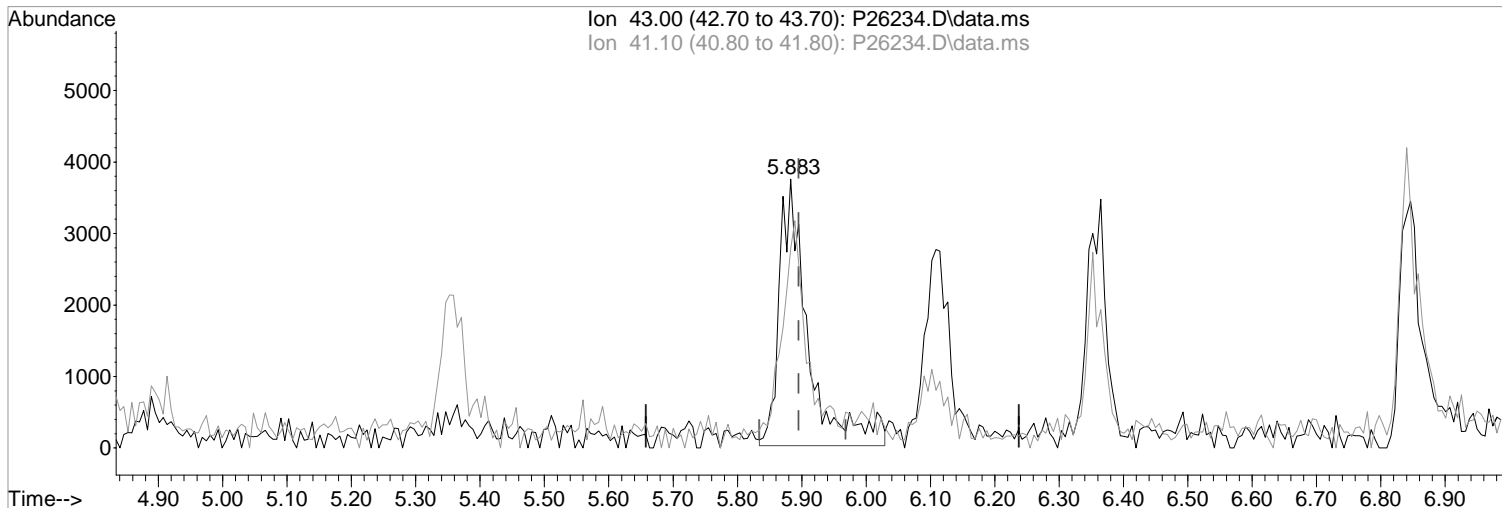
Ion	Exp%	Act%
42.00	100	100
72.00	43.90	30.80
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.883min (-0.012) 42.67 ppb m
response 11462

Manual Integration:

After

Poor integration.

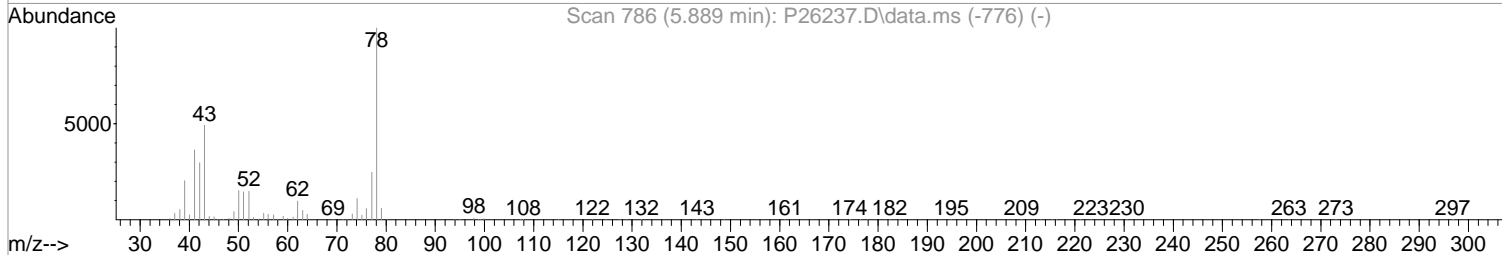
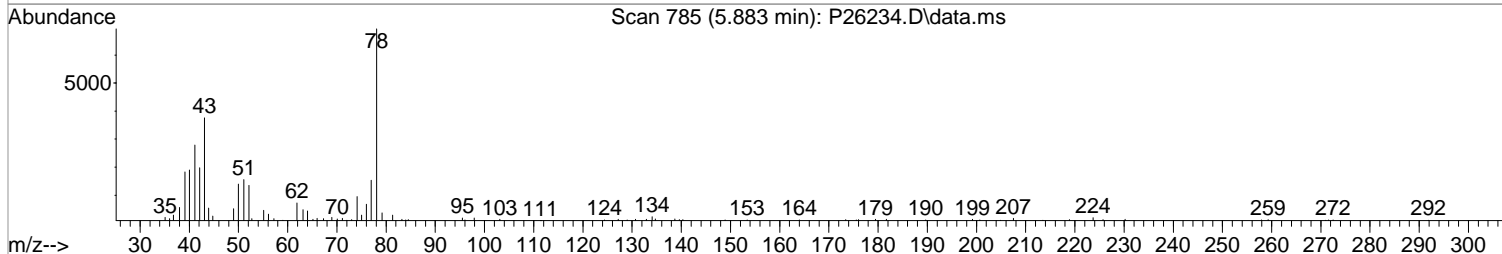
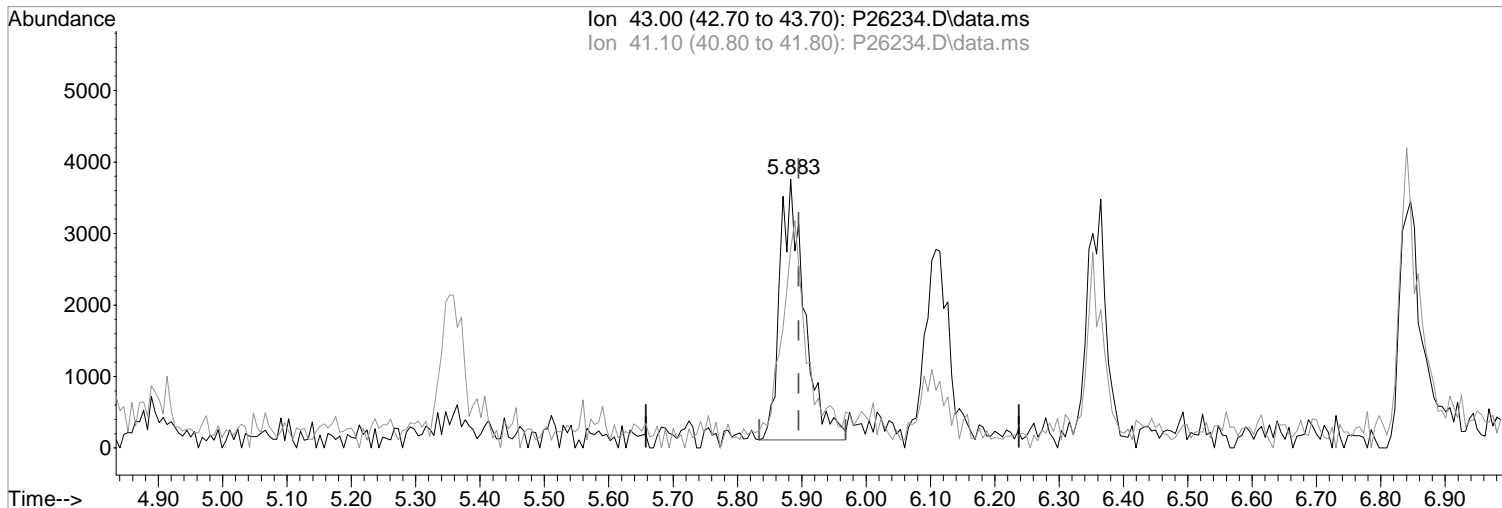
05/01/19

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(51) Iso-Butyl Alcohol
5.883min (-0.012) 36.11 ppb
response 9699

Manual Integration:
Before

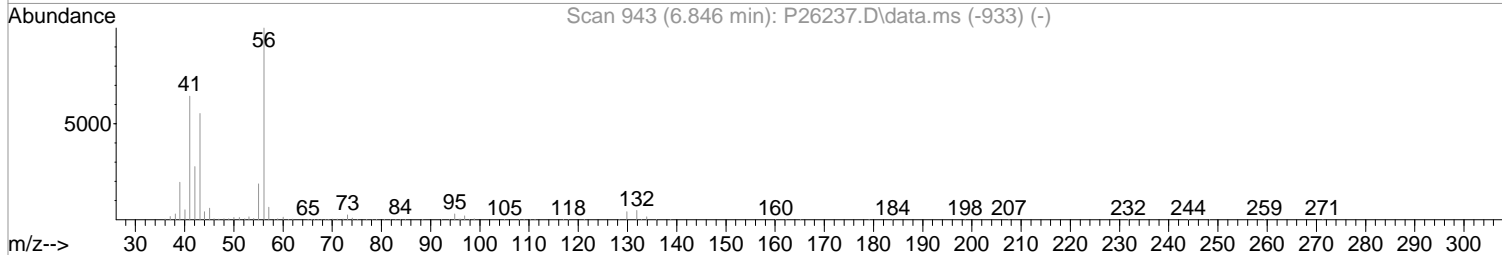
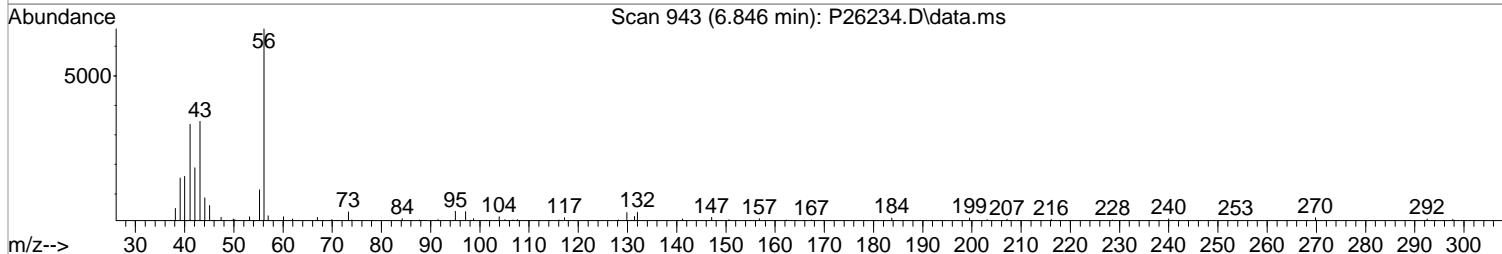
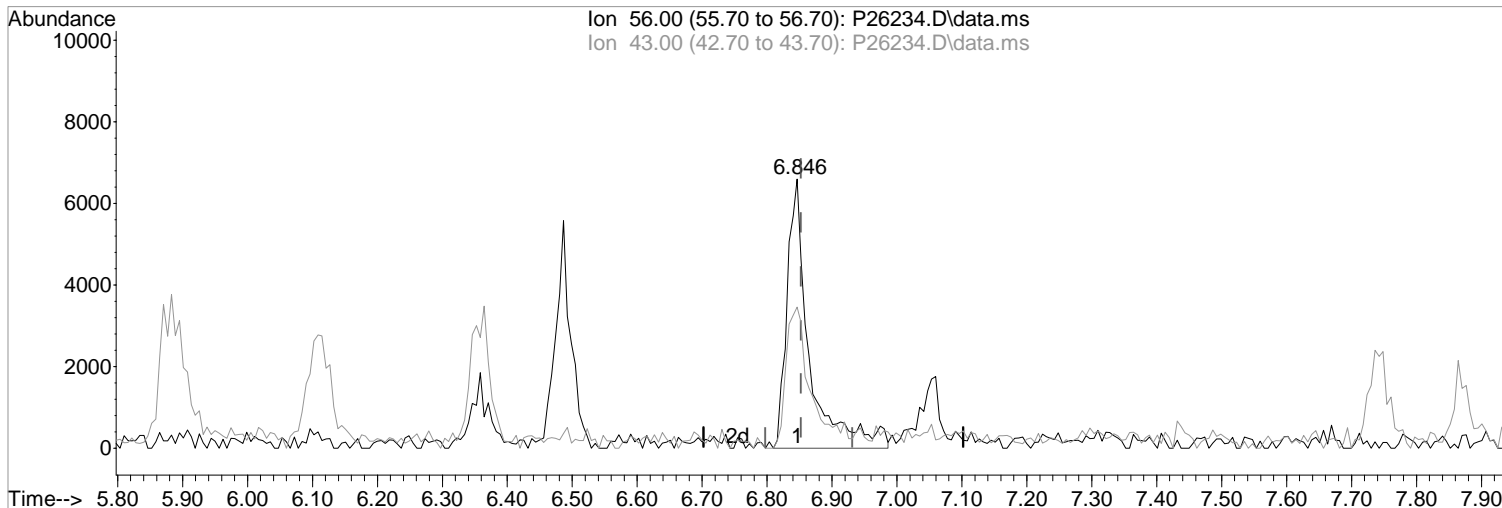
Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(53) 1-Butanol
6.846min (-0.006) 86.11 ppb m
response 15775

Manual Integration:
After
Poor integration.

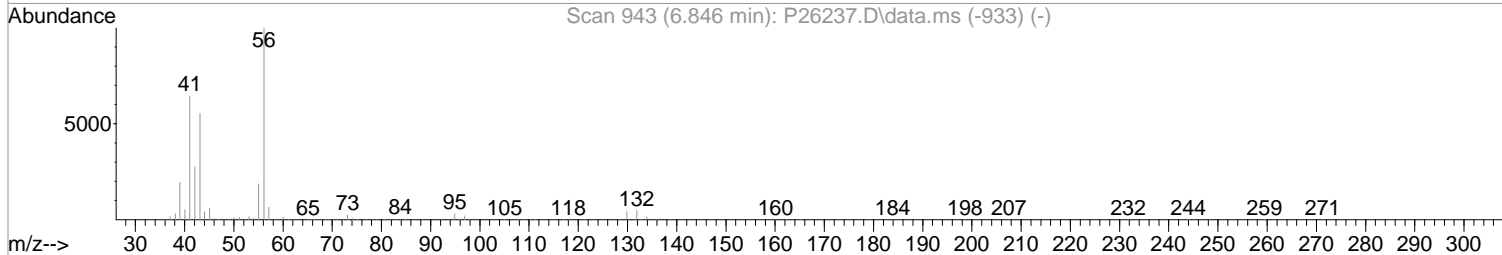
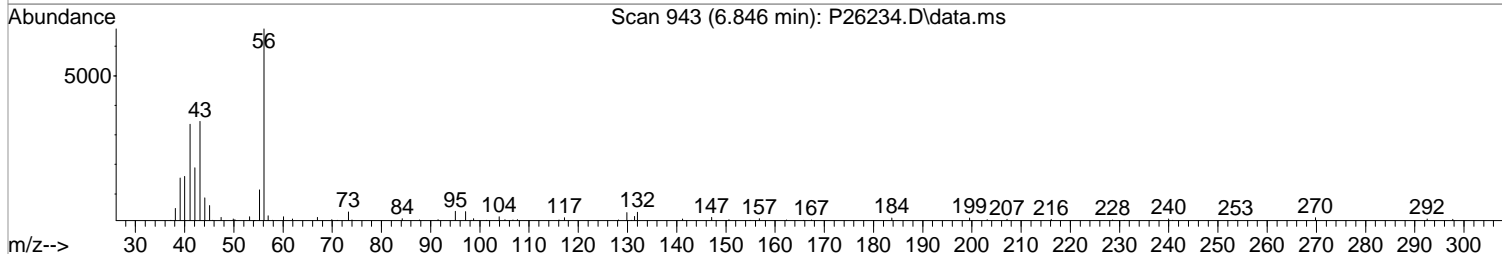
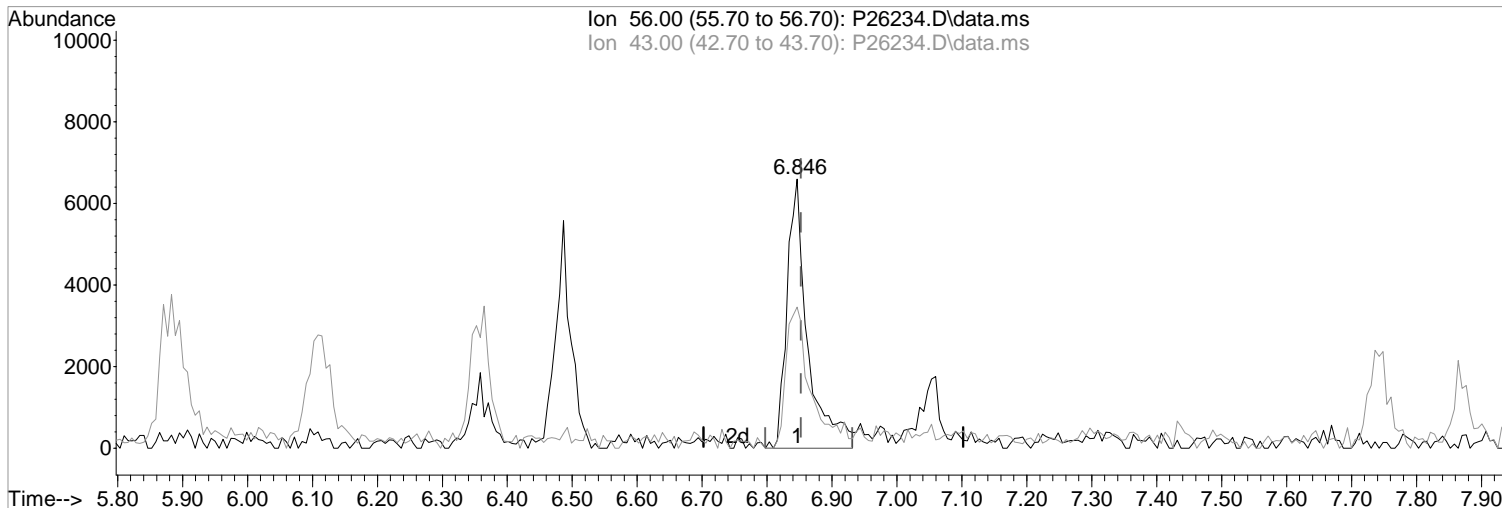
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	58.70
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(53) 1-Butanol
6.846min (-0.006) 79.69 ppb
response 14599

Manual Integration:
Before

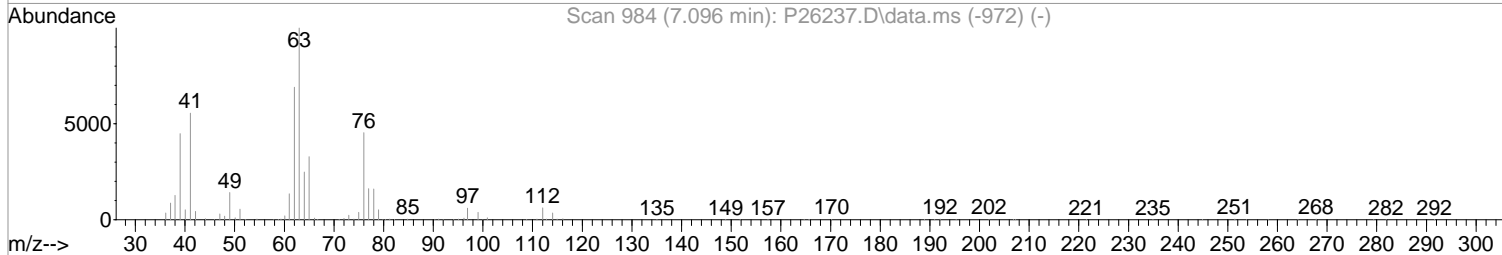
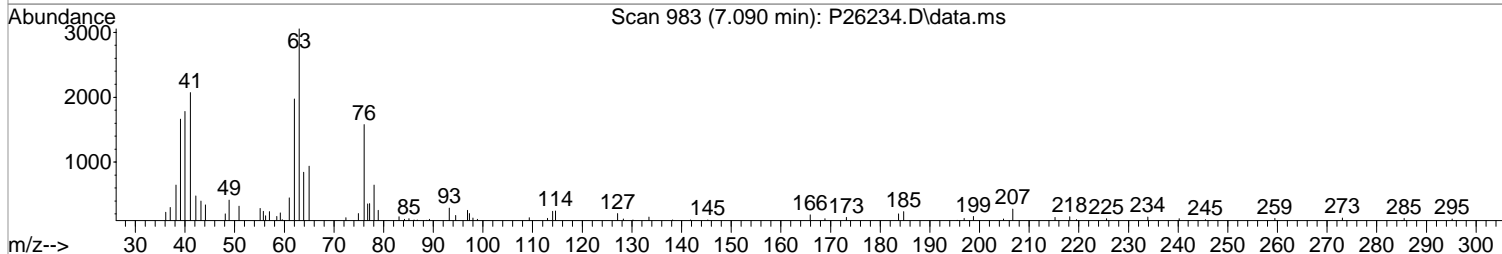
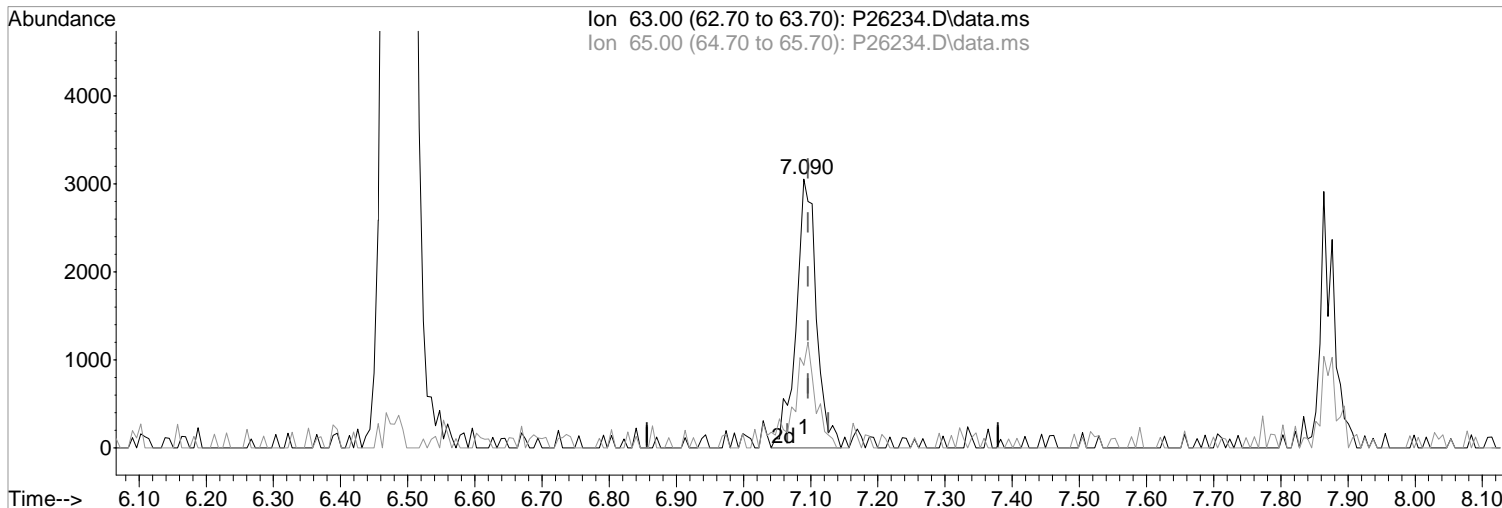
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	63.43
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.090min (-0.006) 2.13 ppb m
response 6391

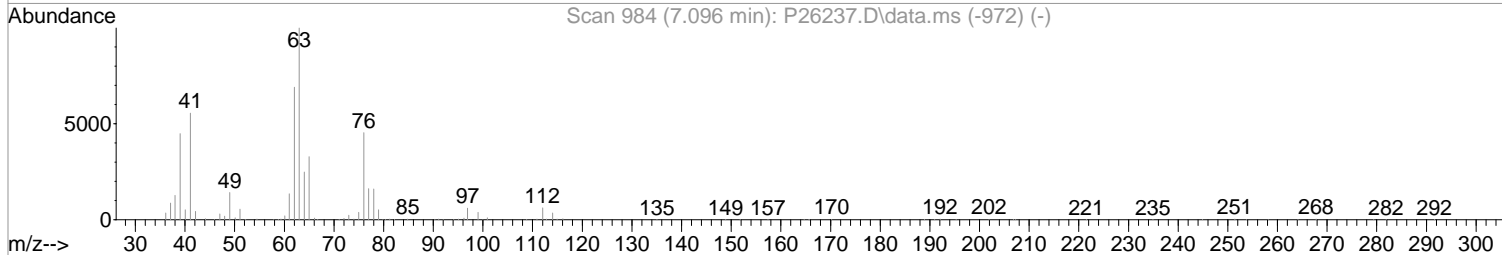
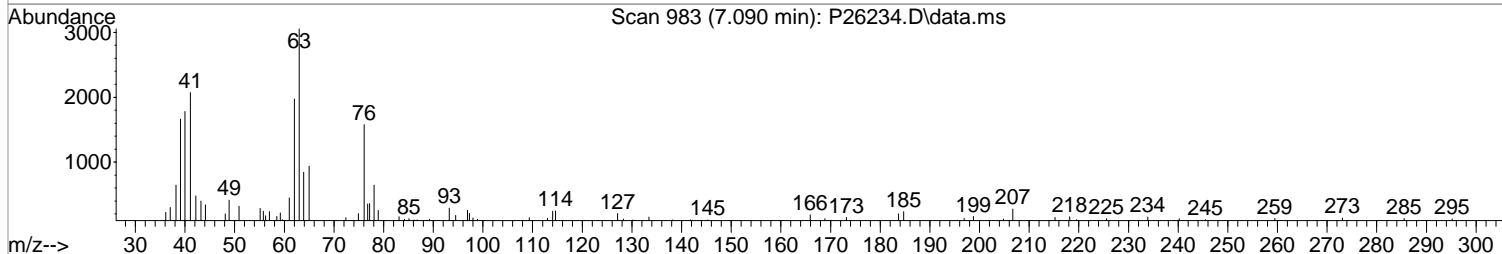
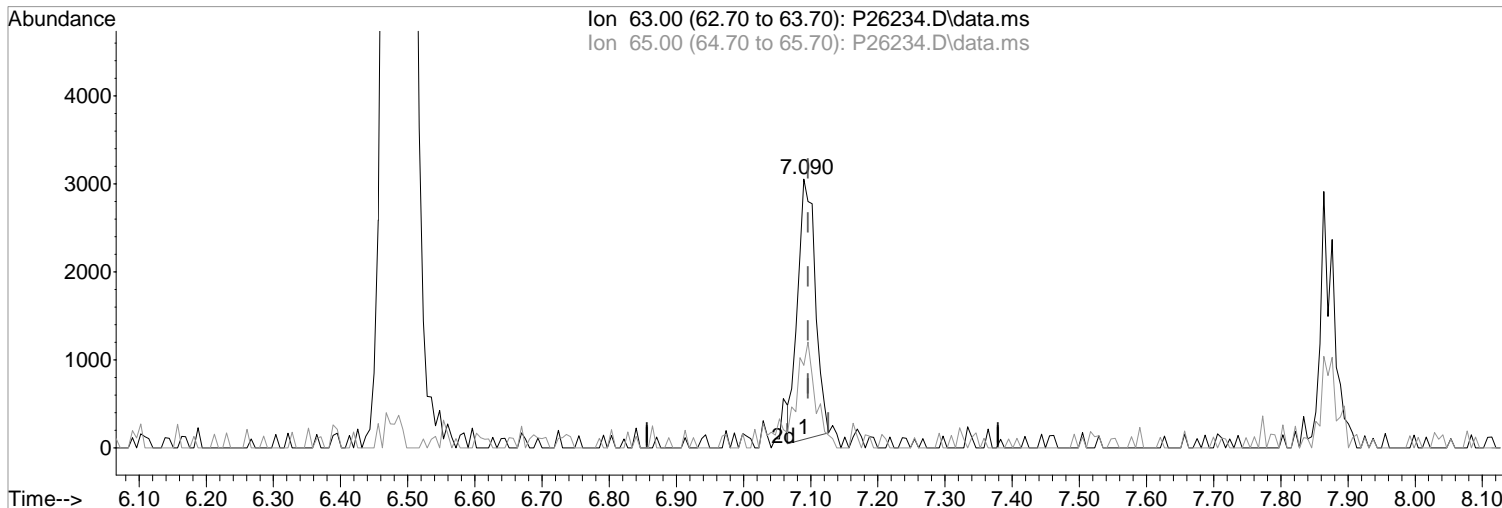
Manual Integration:
After
Poor integration.
05/01/19

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(56) 1,2-Dicloropropane (P)
7.090min (-0.006) 1.79 ppb
response 5375

Manual Integration:
Before

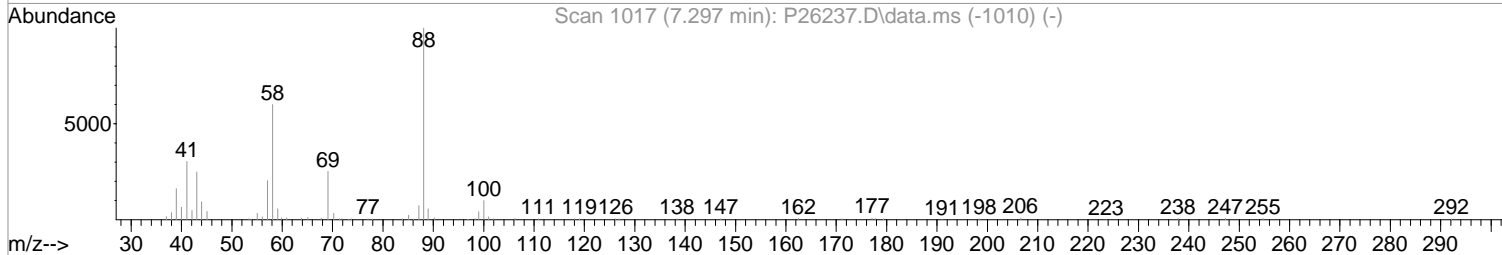
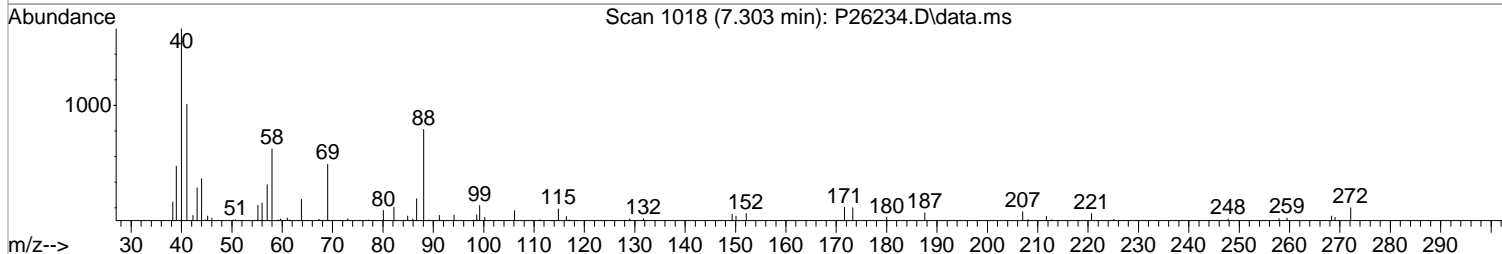
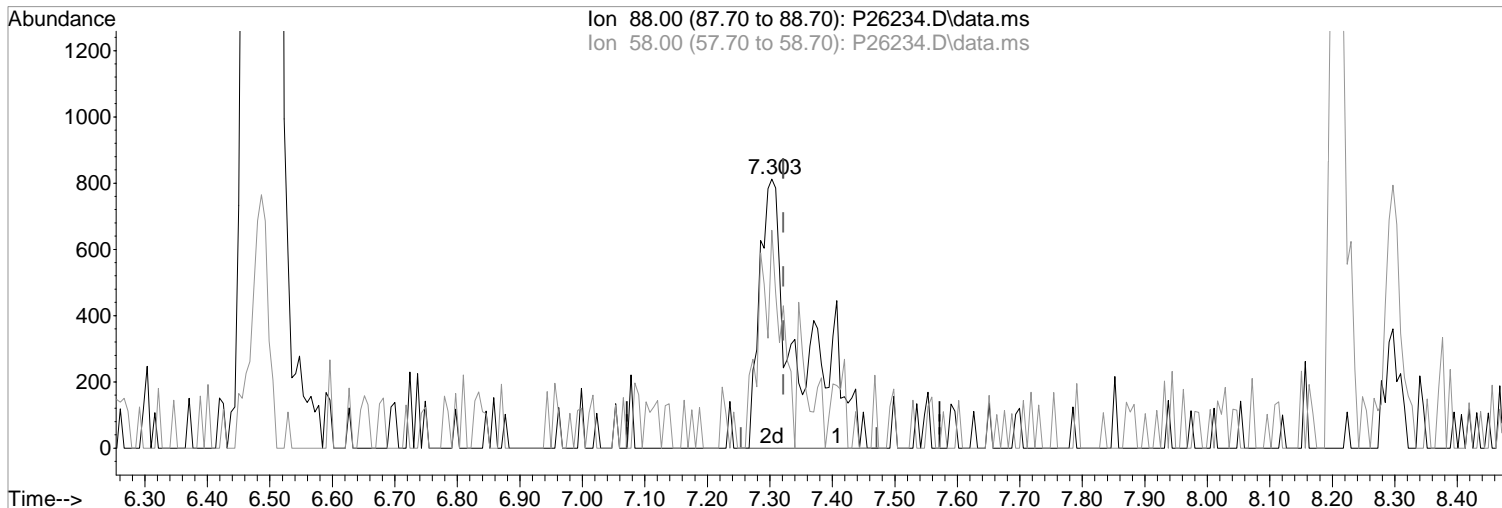
Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.303min (-0.018) 43.55 ppb m
response 3551

Manual Integration:
After
Poor integration.

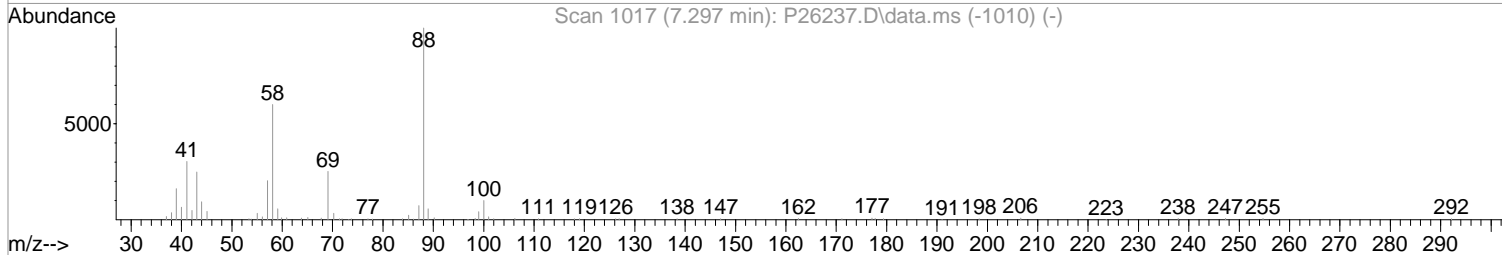
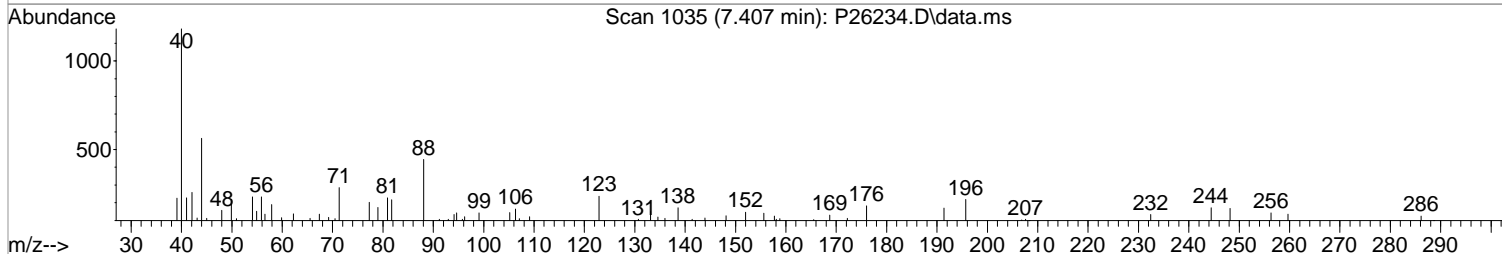
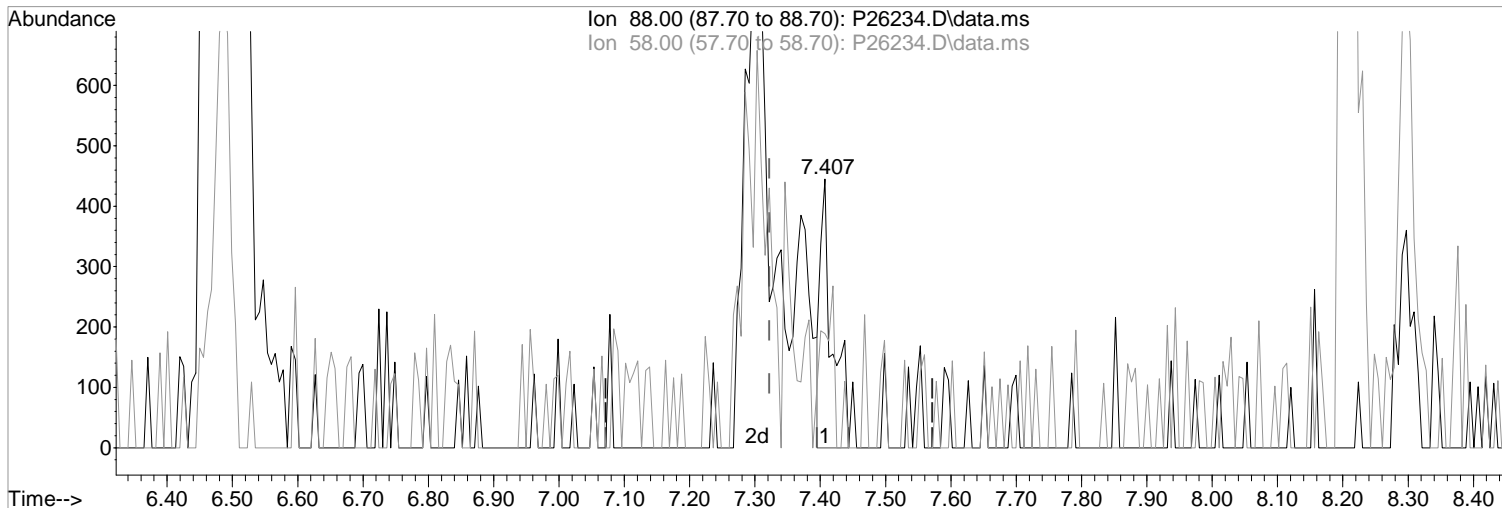
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	81.03#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.407min (+0.085) 6.97 ppb
response 568

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	42.47
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	339824	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	482339	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	433891	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	238503	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	30677	11.06	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	22.12%#
48) surr1,1,2-dichloroetha...	5.791	65	37344	12.34	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	24.68%#
65) SURR3,Toluene-d8	8.297	98	133142	11.56	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	23.12%#
70) SURR2,BFB	10.864	95	49769	11.06	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	22.12%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.207	85	5978	1.87	ppb	86
3) Chloromethane	1.335	50	5821	2.00	ppb	83
4) Vinyl Chloride	1.408	62	6717	1.88	ppb	89
5) Bromomethane	1.640	94	8462	2.37	ppb	95
6) Chloroethane	1.719	64	5939	2.02	ppb	98
7) Freon 21	1.859	67	9482	1.84	ppb	79
8) Trichlorofluoromethane	1.908	101	9210	2.07	ppb	95
9) Diethyl Ether	2.146	59	5491	2.13	ppb	88
10) Freon 123a	2.146	67	7237	2.29	ppb	88
11) Freon 123	2.201	83	8249	2.24	ppb	96
12) Acrolein	2.249	56	6449	10.55	ppb	99
13) 1,1-Dicethene	2.335	96	6298	2.23	ppb	# 76
14) Freon 113	2.341	101	4764	1.90	ppb	97
15) Acetone	2.377	43	4471	3.28	ppb	87
16) 2-Propanol	2.512	45	14531m	41.25	ppb	
17) Iodomethane	2.463	142	2781	0.88	ppb	98
18) Carbon Disulfide	2.524	76	14300	2.10	ppb	93
19) Acetonitrile	2.621	40	2154m	13.57	ppb	
20) Allyl Chloride	2.664	76	3205	2.17	ppb	# 73
21) Methyl Acetate	2.688	43	5252	1.79	ppb	92
22) Methylene Chloride	2.780	84	7811	2.47	ppb	# 79
23) TBA	2.908	59	23804	36.68	ppb	98
24) Acrylonitrile	3.030	53	14814	9.99	ppb	93
25) Methyl-t-Butyl Ether	3.079	73	22635	2.21	ppb	98
26) trans-1,2-Dichloroethene	3.072	96	6044	1.95	ppb	# 88
28) 1,1-Dicethane	3.572	63	11386	2.25	ppb	99
29) Vinyl Acetate	3.658	86	1155m	1.83	ppb	
30) DIPE	3.694	45	16398	2.07	ppb	89
31) 2-Chloro-1,3-Butadiene	3.688	53	8566	2.25	ppb	90
32) ETBE	4.213	59	18176	2.08	ppb	90
33) 2,2-Dichloropropane	4.395	77	9447	2.04	ppb	85
34) cis-1,2-Dichloroethene	4.408	96	8217	2.24	ppb	89
35) 2-Butanone	4.450	43	4296m	2.29	ppb	
36) Propionitrile	4.529	54	6418	9.57	ppb	90
37) Bromochloromethane	4.798	130	4906m	2.00	ppb	
38) Methacrylonitrile	4.810	67	3761	2.05	ppb	95
39) Tetrahydrofuran	4.907	42	2588m	2.03	ppb	
40) Chloroform	4.981	83	12178	2.27	ppb	81
41) 1,1,1-Trichloroethane	5.273	97	10946	2.18	ppb	85

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:02:06 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.108	73	19476	2.11	ppb	93
44) Cyclohexane	5.353	41	4739	1.82	ppb	99
46) Carbontetrachloride	5.542	117	8177	1.95	ppb	83
47) 1,1-Dichloropropene	5.566	75	7993	2.06	ppb	90
49) Benzene	5.871	78	25525	2.04	ppb	92
50) 1,2-Dichloroethane	5.901	62	9512	2.15	ppb	84
51) Iso-Butyl Alcohol	5.883	43	11462m	42.67	ppb	
52) n-Heptane	6.365	43	7629	2.30	ppb	82
53) 1-Butanol	6.846	56	15775m	86.11	ppb	
54) Trichloroethene	6.816	130	7805	2.01	ppb	94
55) Methylcyclohexane	7.053	55	8181	2.26	ppb	87
56) 1,2-Diclpropane	7.090	63	6391m	2.13	ppb	
57) Dibromomethane	7.230	93	4013	1.90	ppb	# 68
58) 1,4-Dioxane	7.303	88	3551m	43.55	ppb	
59) Methyl Methacrylate	7.322	69	5855	1.98	ppb	97
60) Bromodichloromethane	7.462	83	8162	1.96	ppb	83
61) 2-Nitropropane	7.736	41	3375	3.13	ppb	97
62) 2-Chloroethylvinyl Ether	7.864	63	3993	1.88	ppb	91
63) cis-1,3-Dichloropropene	8.004	75	11610	2.16	ppb	97
64) 4-Methyl-2-pentanone	8.212	43	7499	1.98	ppb	95
66) Toluene	8.376	91	30907	2.19	ppb	87
67) trans-1,3-Dichloropropene	8.645	75	8688	1.81	ppb	88
68) Ethyl Methacrylate	8.785	69	11033	2.14	ppb	96
69) 1,1,2-Trichloroethane	8.827	97	6835	2.02	ppb	89
72) Tetrachloroethene	8.968	164	6207	1.99	ppb	85
73) 2-Hexanone	9.120	43	5597	1.92	ppb	94
74) 1,3-Dichloropropane	8.998	76	10355	1.97	ppb	94
75) Dibromochloromethane	9.224	129	7048	1.85	ppb	# 80
76) N-Butyl Acetate	9.279	43	10822	1.95	ppb	95
77) 1,2-Dibromoethane	9.321	107	6919	1.98	ppb	97
78) Chlorobenzene	9.815	112	19880	2.08	ppb	93
79) 3-CBTF	9.833	180	9591	1.75	ppb	# 81
80) 4-CBTF	9.888	180	9710	1.95	ppb	88
81) 1,1,1,2-Tetrachloroethane	9.900	131	7470	2.02	ppb	93
82) Ethylbenzene	9.937	106	11164	2.16	ppb	97
83) (m+p)Xylene	10.047	106	26667	4.18	ppb	92
84) o-Xylene	10.406	106	12213	1.89	ppb	# 76
85) Styrene	10.419	104	19390	1.92	ppb	83
87) Bromoform	10.565	173	5194	1.88	ppb	94
88) 2-CBTF	10.650	180	10283	1.96	ppb	95
89) Isopropylbenzene	10.742	105	32740	2.18	ppb	98
90) Cyclohexanone	10.803	55	31714	42.37	ppb	99
91) trans-1,4-Dichloro-2-B...	11.053	53	2452	1.98	ppb	87
92) 1,1,2,2-Tetrachloroethane	10.998	83	10104	2.23	ppb	95
93) Bromobenzene	10.986	156	9945	2.20	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	3427	2.01	ppb	96
95) n-Propylbenzene	11.095	91	35362	2.17	ppb	97
96) 2-Chlorotoluene	11.156	91	21842	2.16	ppb	94
97) 3-Chlorotoluene	11.211	91	20124	2.10	ppb	99
98) 4-Chlorotoluene	11.254	91	24636	2.13	ppb	93
99) 1,3,5-Trimethylbenzene	11.248	105	25369	2.01	ppb	97
100) tert-Butylbenzene	11.522	119	23990	2.08	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	25789	2.06	ppb	97
102) 3,4-DCBTF	11.620	214	8395	1.88	ppb	96
103) sec-Butylbenzene	11.705	105	35137	2.18	ppb	95
104) p-Isopropyltoluene	11.827	119	28713	2.05	ppb	96

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

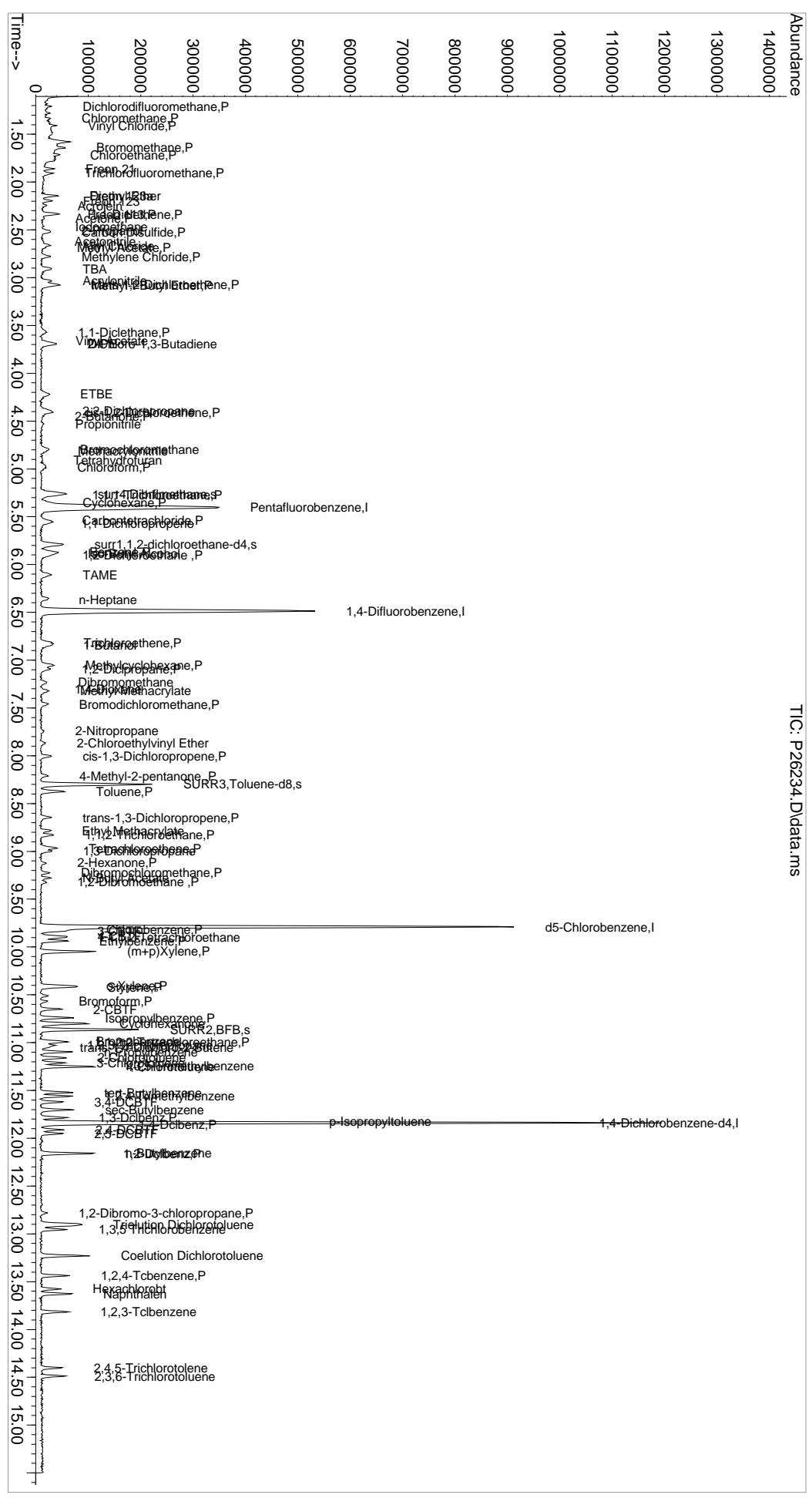
Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	16508	2.04	ppb	89
106) 1,4-Dclbenz	11.857	146	17568	2.13	ppb	97
107) 2,4-DCBTF	11.912	214	7385	1.83	ppb	97
108) 2,5-DCBTF	11.949	214	8578m	1.91	ppb	
109) n-Butylbenzene	12.156	91	24424	2.09	ppb	98
110) 1,2-Dclbenz	12.162	146	16378	2.04	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.784	157	2863	1.78	ppb	88
112) Trielution Dichlorotol...	12.900	125	40999	6.07	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	12083	1.89	ppb	94
114) Coelution Dichlorotoluene	13.229	125	28801	3.82	ppb	93
115) 1,2,4-Tclbenzene	13.436	180	12295	1.83	ppb	97
116) Hexachlorobt	13.577	225	4986	1.72	ppb	91
117) Naphthalen	13.625	128	38227	1.97	ppb	92
118) 1,2,3-Tclbenzene	13.814	180	13181	1.85	ppb	97
119) 2,4,5-Trichlorotoluene	14.400	159	7819	1.82	ppb	94
120) 2,3,6-Trichlorotoluene	14.491	159	9346	1.85	ppb	94

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Conc : 8260/624 ICAL
 PALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA-12

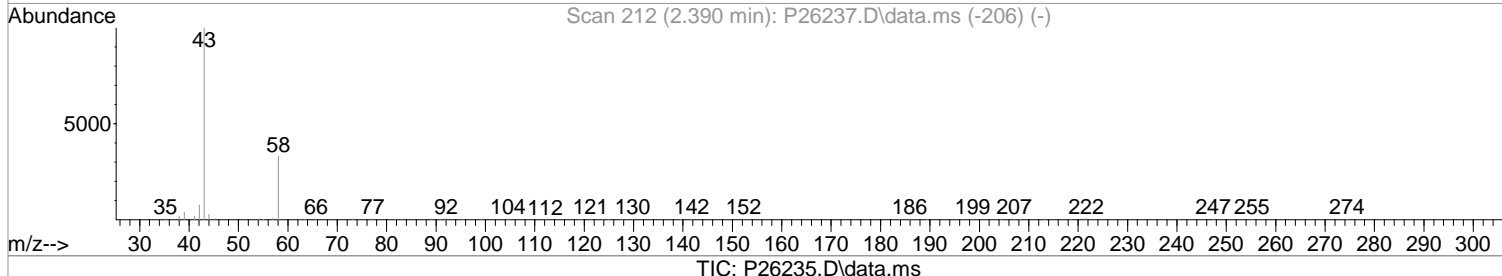
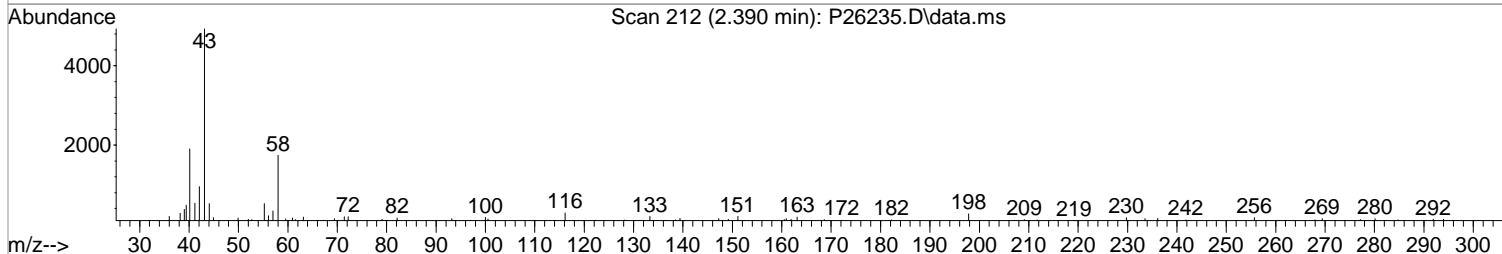
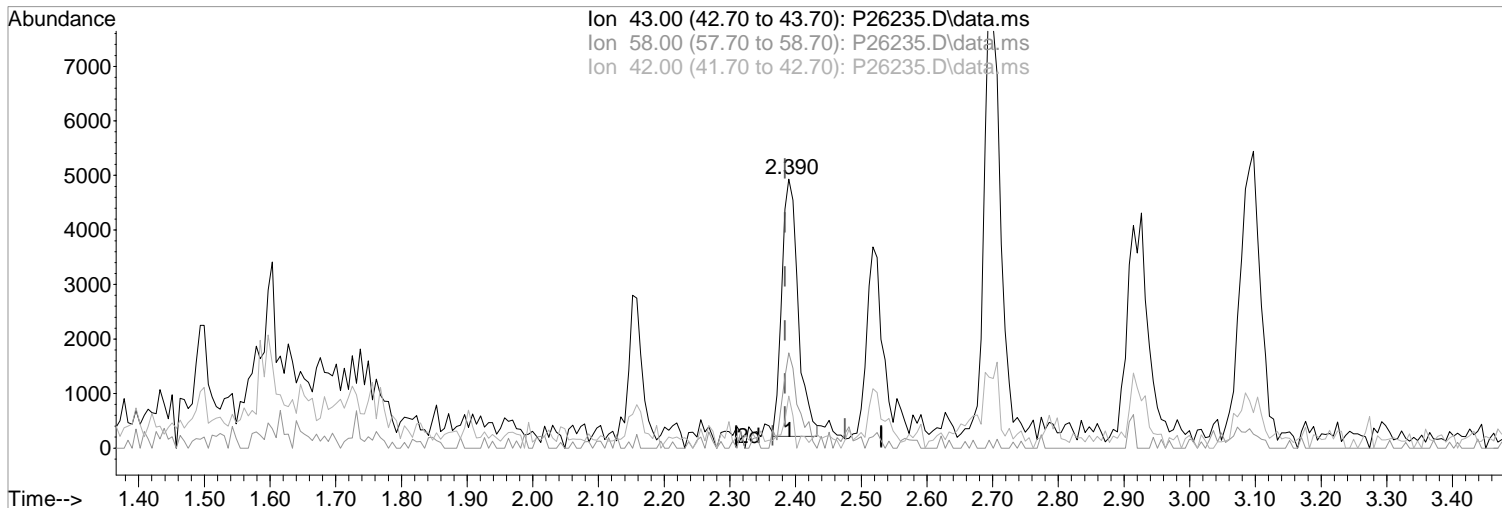
Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 6.07 ppb m
response 8156

Manual Integration:
After
Poor integration.

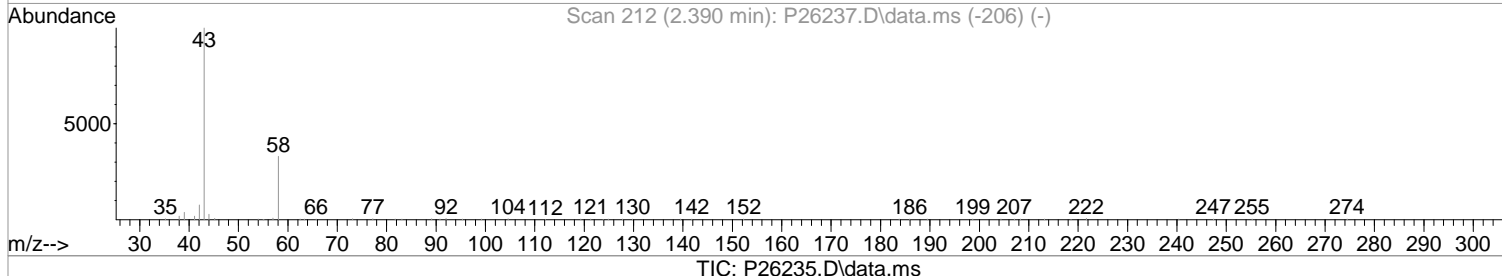
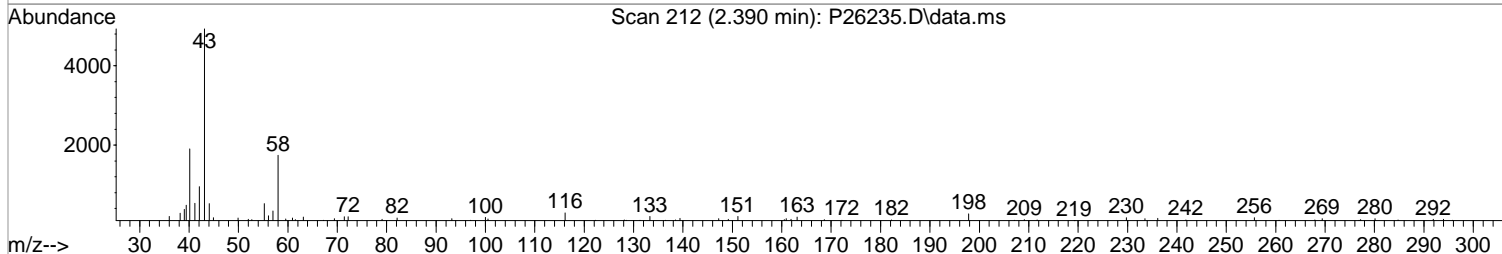
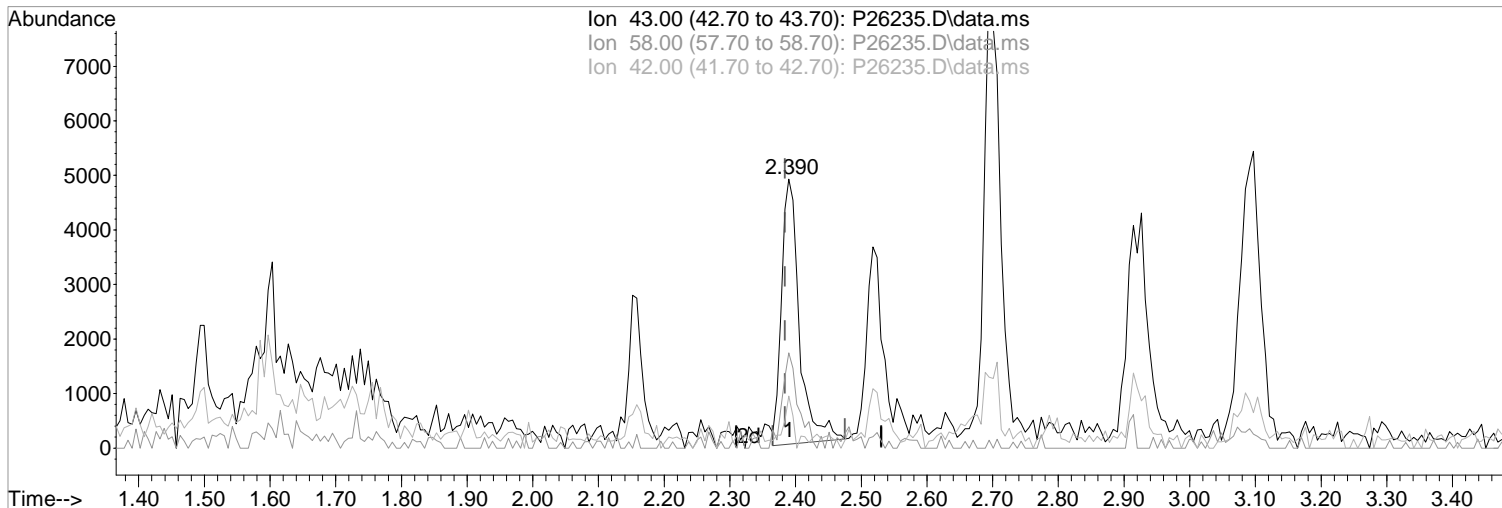
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 6.81 ppb
response 9138

Manual Integration:
Before

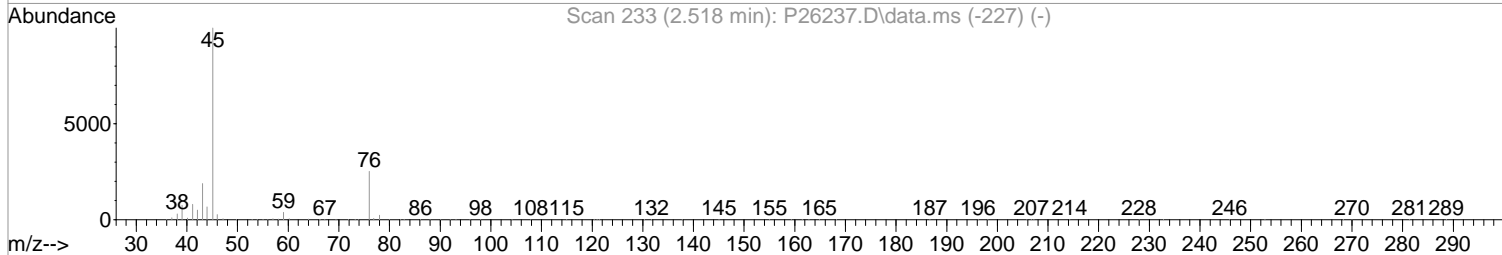
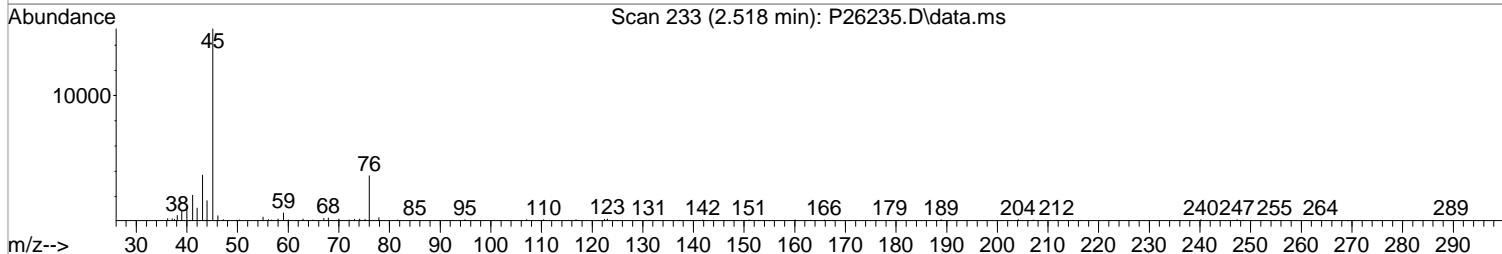
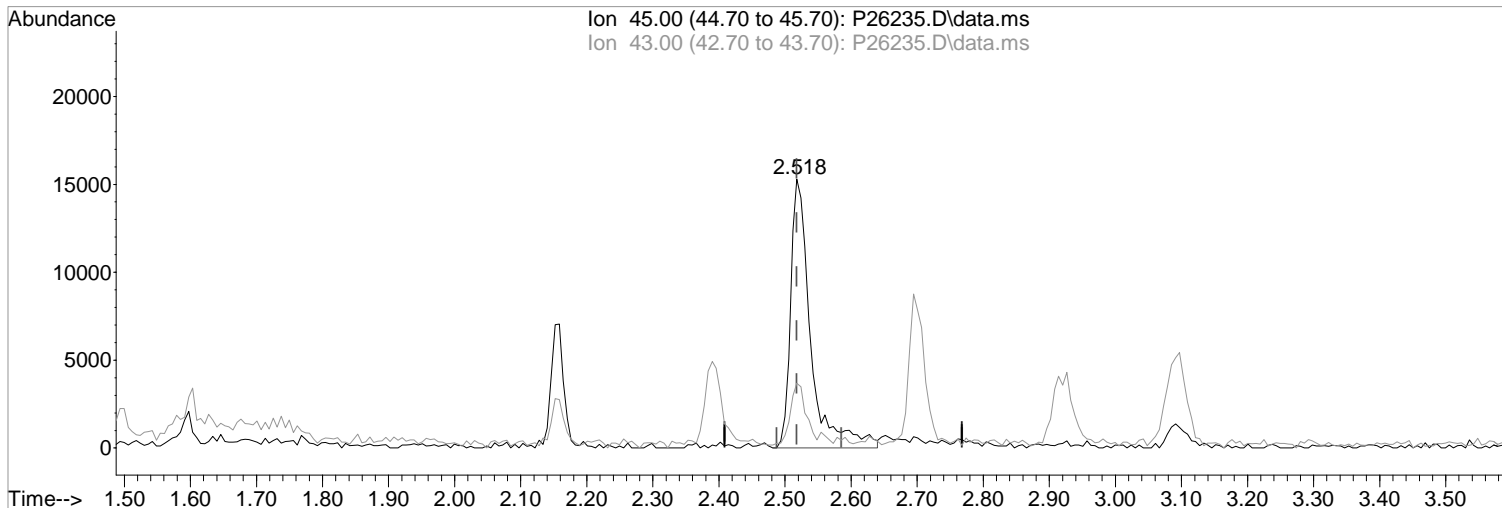
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 93.43 ppb m
response 32416

Manual Integration:

After

Poor integration.

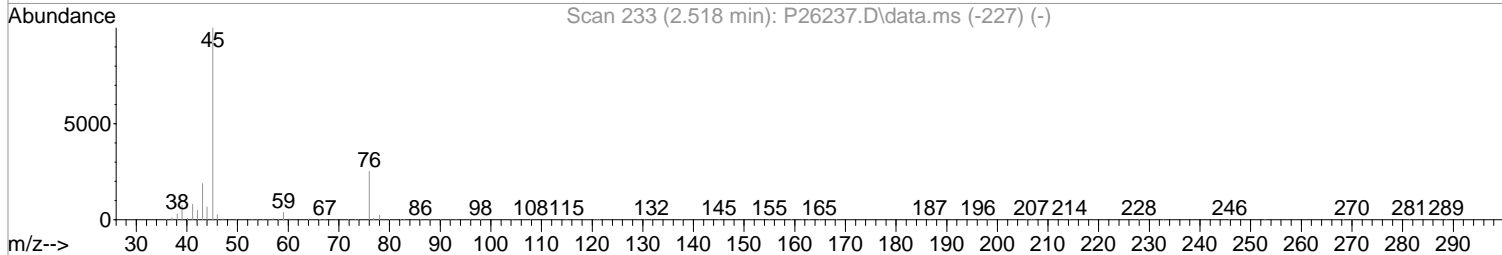
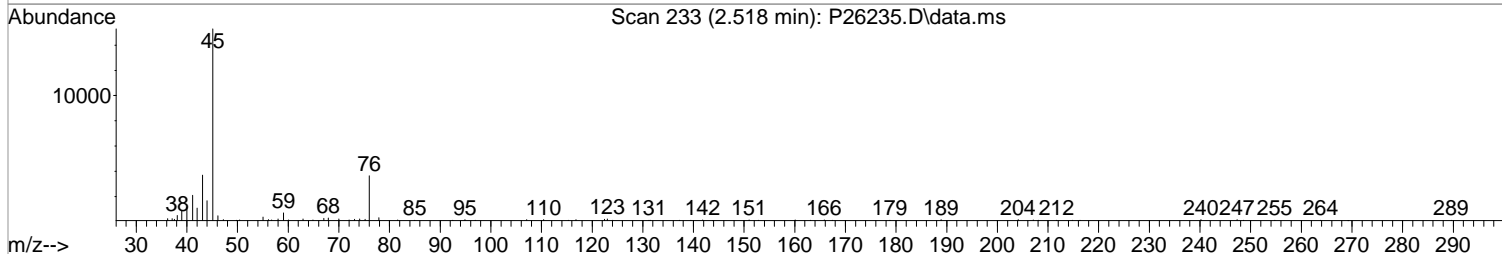
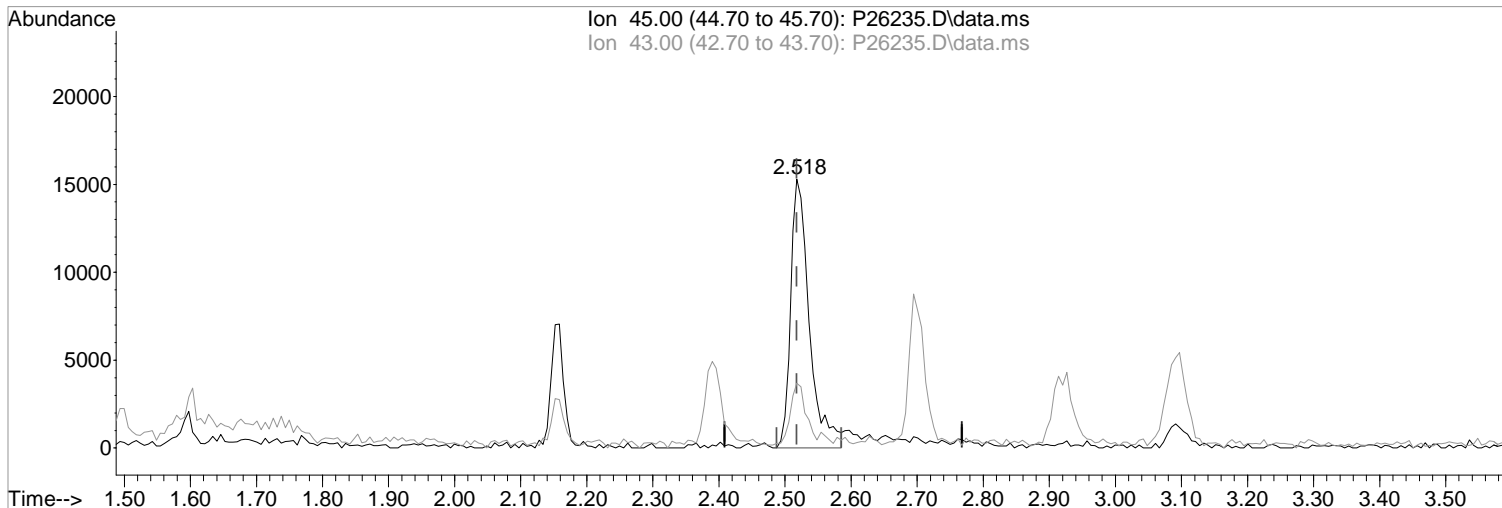
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 86.72 ppb
response 30085

Manual Integration:
Before

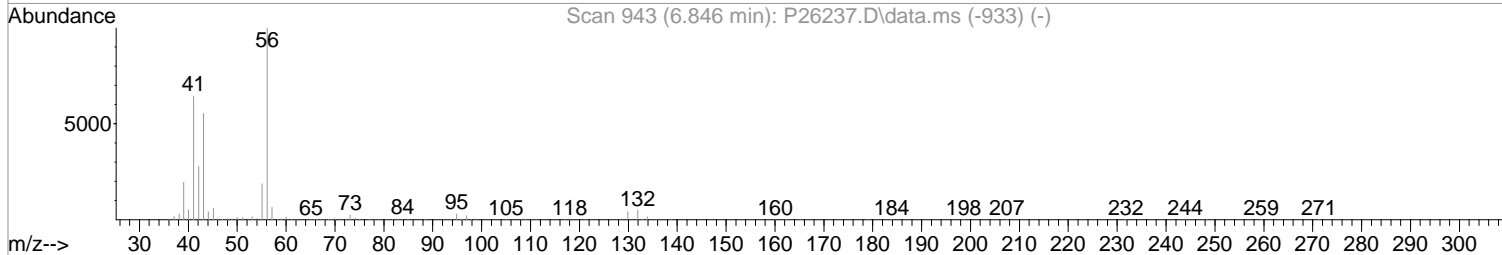
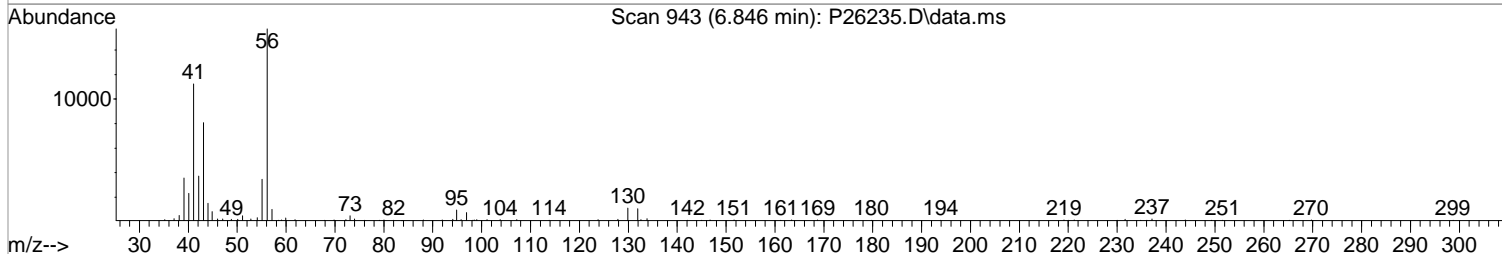
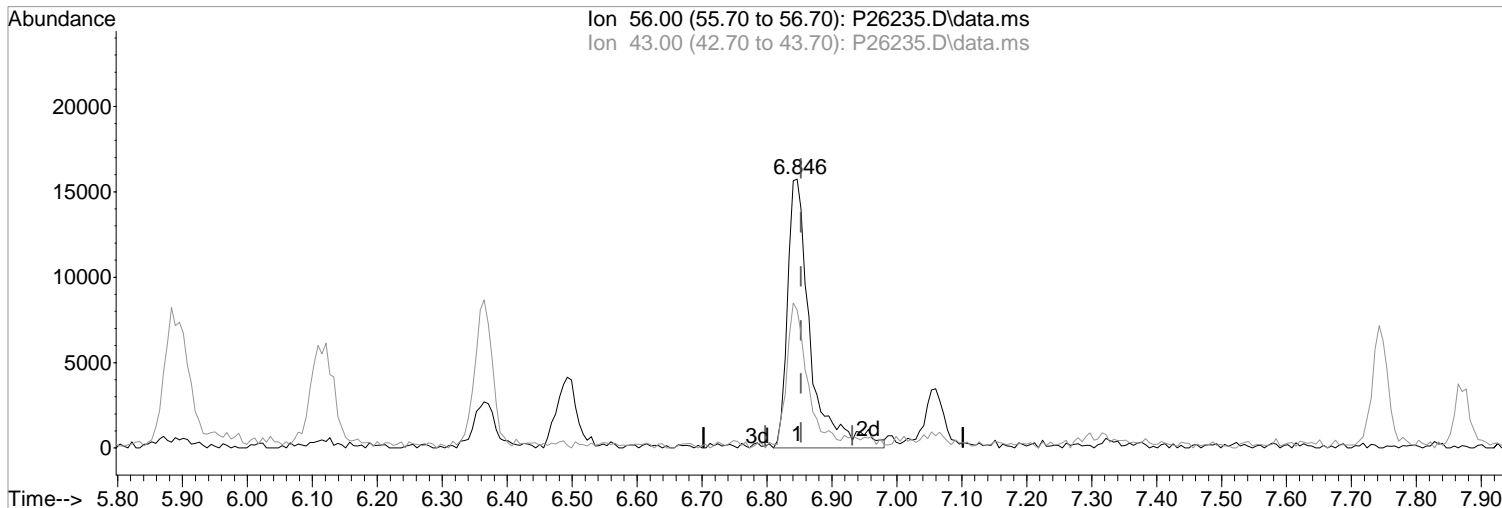
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(53) 1-Butanol
6.846min (-0.006) 211.94 ppb m
response 38909

Manual Integration:
After
Poor integration.

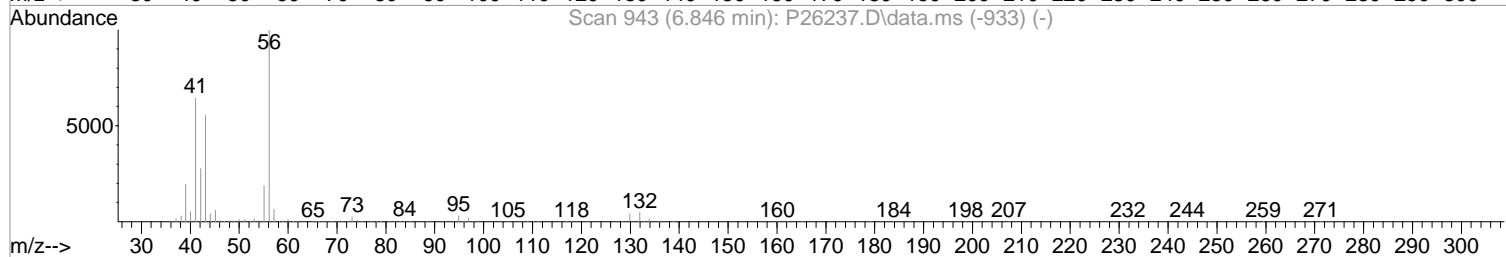
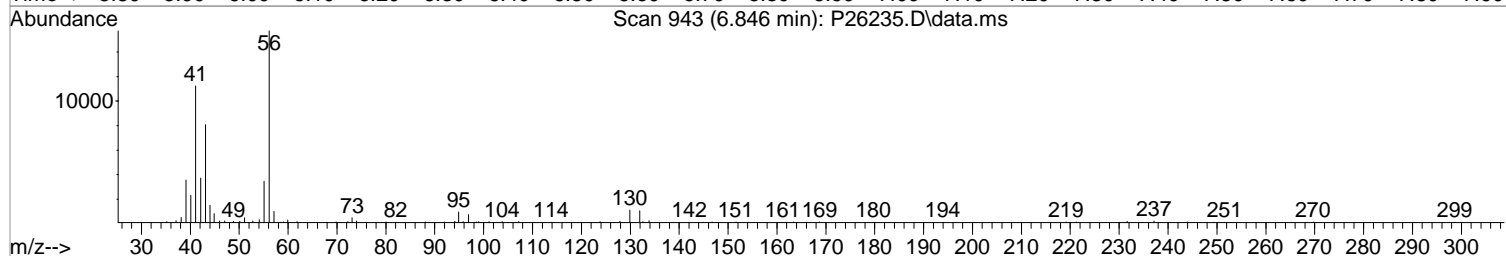
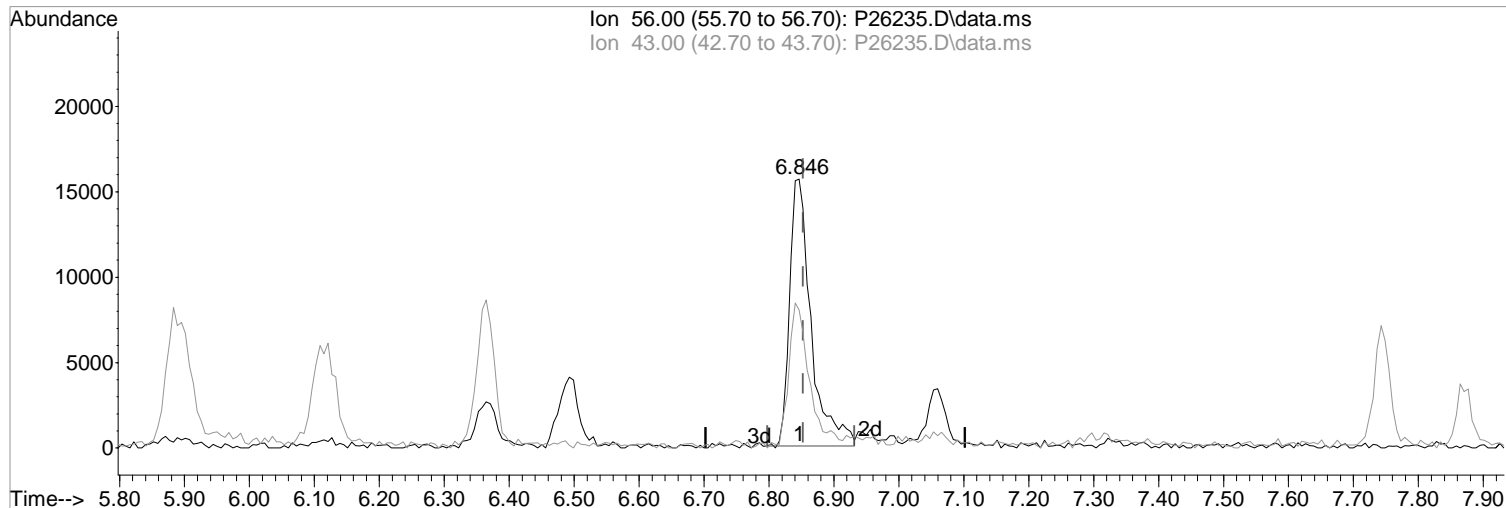
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	49.11
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(53) 1-Butanol

Manual Integration:

6.846min (-0.006) 196.01 ppb

Before

response 35985

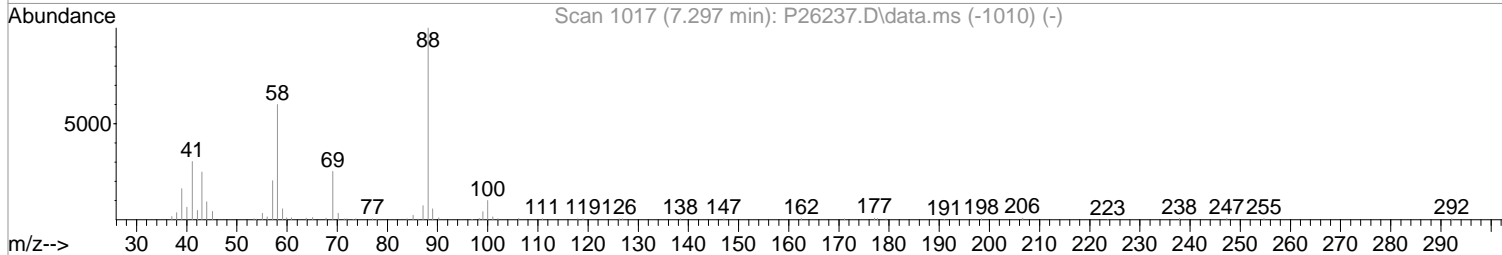
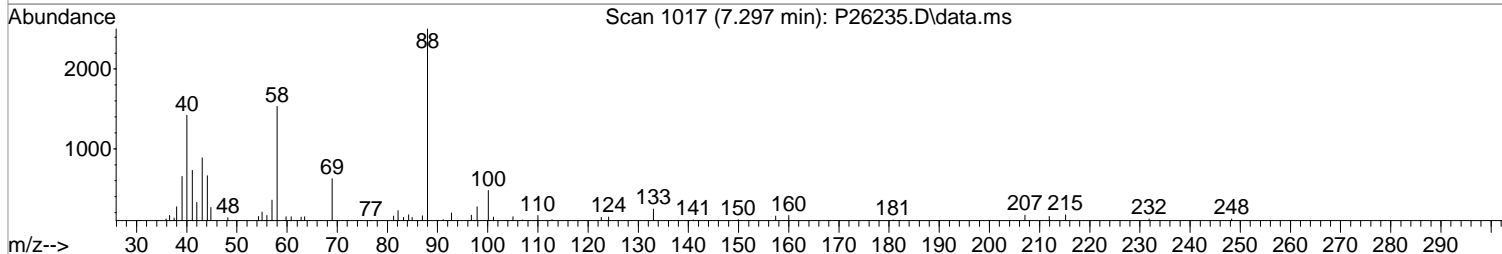
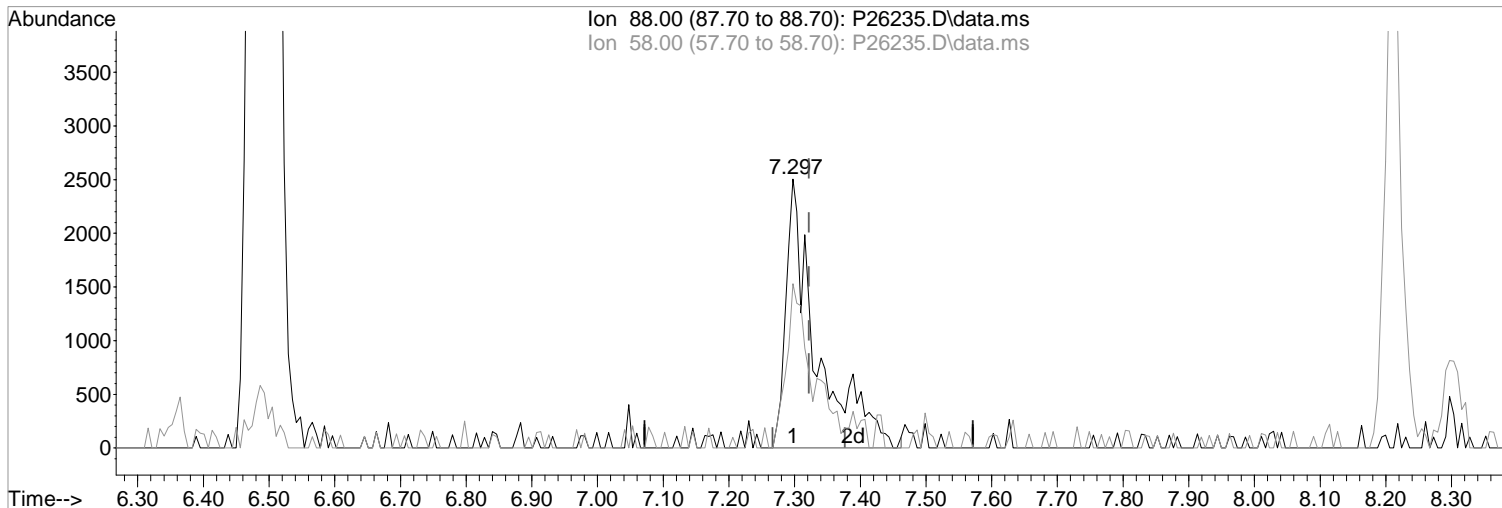
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	53.11
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(58) 1,4-Dioxane
7.297min (-0.024) 98.60 ppb m
response 8056

Manual Integration:

After

Split Peak

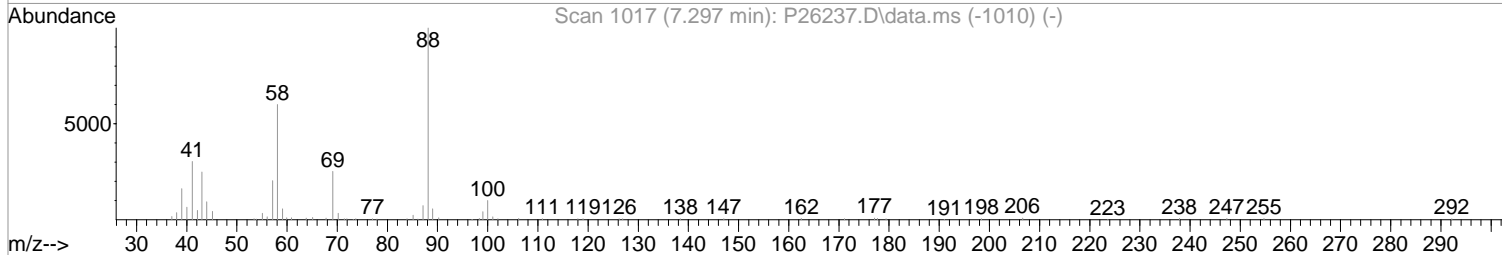
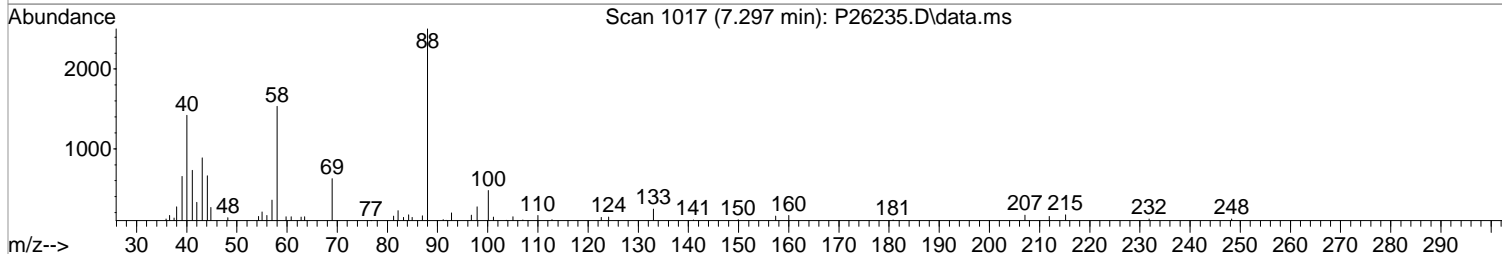
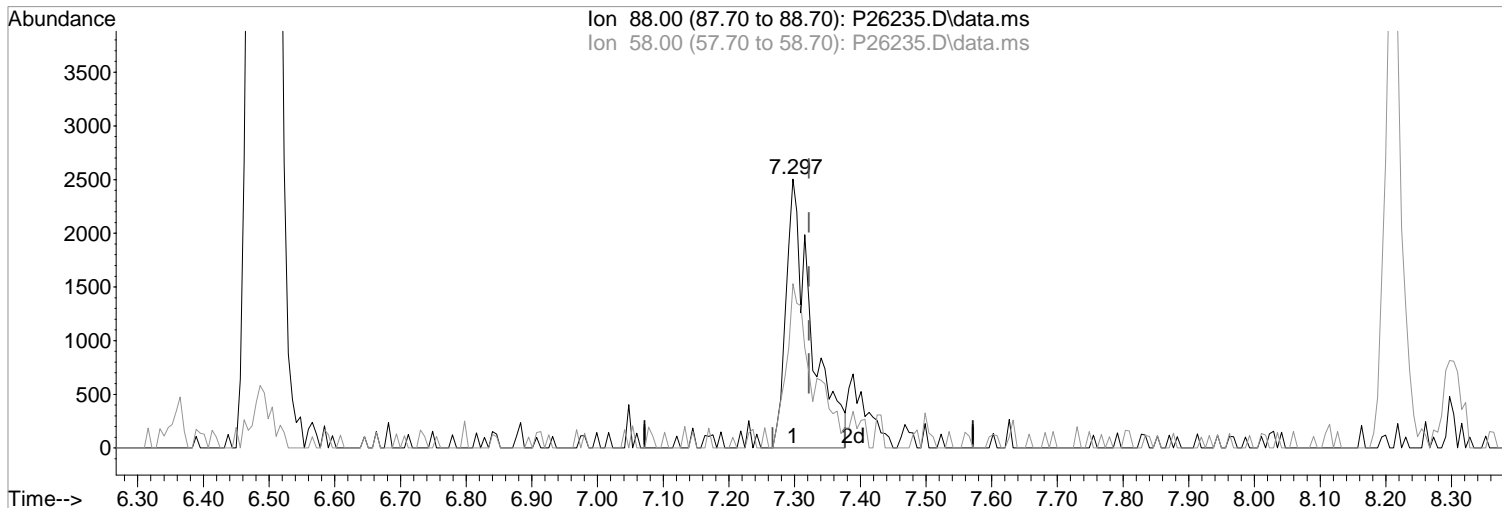
05/01/19

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.297min (-0.024) 81.42 ppb
response 6652

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	334675	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	483344	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	422330	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	224759	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	30718	11.05	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	22.10%#
48) surr1,1,2-dichloroetha...	5.804	65	32787	10.81	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	21.62%#
65) SURR3,Toluene-d8	8.303	98	131436	11.39	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	22.78%#
70) SURR2,BFB	10.864	95	50687	11.24	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	22.48%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.219	85	13683	4.34	ppb	94
3) Chloromethane	1.347	50	13543	4.73	ppb	97
4) Vinyl Chloride	1.420	62	18006	5.12	ppb	97
5) Bromomethane	1.646	94	20449	5.82	ppb	98
6) Chloroethane	1.725	64	15166	5.24	ppb	98
7) Freon 21	1.872	67	25892	5.11	ppb	100
8) Trichlorofluoromethane	1.920	101	21639	4.95	ppb	97
9) Diethyl Ether	2.158	59	12609	4.97	ppb	92
10) Freon 123a	2.158	67	15211	4.89	ppb	93
11) Freon 123	2.207	83	18848	5.19	ppb	93
12) Acrolein	2.256	56	14406	23.92	ppb	97
13) 1,1-Dicethene	2.347	96	14134	5.08	ppb	96
14) Freon 113	2.347	101	12768	5.18	ppb	92
15) Acetone	2.390	43	8156m	6.07	ppb	
16) 2-Propanol	2.518	45	32416m	93.43	ppb	
17) Iodomethane	2.475	142	7643	2.47	ppb	86
18) Carbon Disulfide	2.536	76	34679	5.17	ppb	99
19) Acetonitrile	2.640	40	4513	28.87	ppb	# 65
20) Allyl Chloride	2.676	76	7293	5.01	ppb	# 87
21) Methyl Acetate	2.695	43	13973	4.82	ppb	96
22) Methylene Chloride	2.786	84	14527	4.66	ppb	95
23) TBA	2.920	59	59308	92.80	ppb	94
24) Acrylonitrile	3.042	53	38310	26.24	ppb	99
25) Methyl-t-Butyl Ether	3.097	73	52212	5.17	ppb	95
26) trans-1,2-Dichloroethene	3.091	96	14503	4.75	ppb	# 82
28) 1,1-Dicethane	3.579	63	25181	5.05	ppb	95
29) Vinyl Acetate	3.676	86	3195	5.13	ppb	# 74
30) DIPE	3.707	45	42001	5.38	ppb	90
31) 2-Chloro-1,3-Butadiene	3.701	53	18730	4.99	ppb	99
32) ETBE	4.231	59	44782	5.19	ppb	95
33) 2,2-Dichloropropane	4.402	77	24841	5.44	ppb	99
34) cis-1,2-Dichloroethene	4.414	96	18320	5.08	ppb	88
35) 2-Butanone	4.469	43	9967	5.39	ppb	97
36) Propionitrile	4.536	54	16272	24.64	ppb	91
37) Bromochloromethane	4.804	130	11805	4.88	ppb	90
38) Methacrylonitrile	4.804	67	8815	4.87	ppb	# 79
39) Tetrahydrofuran	4.895	42	7525	5.98	ppb	87
40) Chloroform	4.987	83	26931	5.09	ppb	94
41) 1,1,1-Trichloroethane	5.273	97	26112	5.29	ppb	91

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	46475	5.12	ppb	99
44) Cyclohexane	5.371	41	12772	4.90	ppb	83
46) Carbontetrachloride	5.548	117	21270	5.06	ppb	84
47) 1,1-Dichloropropene	5.566	75	20328	5.22	ppb	95
49) Benzene	5.883	78	62669	5.00	ppb	96
50) 1,2-Dichloroethane	5.914	62	21852	4.92	ppb	97
51) Iso-Butyl Alcohol	5.883	43	22704	84.35	ppb	90
52) n-Heptane	6.365	43	17061	5.12	ppb	85
53) 1-Butanol	6.846	56	38909m	211.94	ppb	
54) Trichloroethene	6.822	130	19304	4.96	ppb	93
55) Methylcyclohexane	7.054	55	17339	4.77	ppb	97
56) 1,2-Diclpropane	7.102	63	16234	5.41	ppb	97
57) Dibromomethane	7.236	93	10441	4.94	ppb	88
58) 1,4-Dioxane	7.297	88	8056m	98.60	ppb	
59) Methyl Methacrylate	7.328	69	15091	5.08	ppb	# 81
60) Bromodichloromethane	7.462	83	21362	5.13	ppb	100
61) 2-Nitropropane	7.742	41	10740	9.95	ppb	89
62) 2-Chloroethylvinyl Ether	7.870	63	10368	4.87	ppb	77
63) cis-1,3-Dichloropropene	8.005	75	27460	5.11	ppb	98
64) 4-Methyl-2-pentanone	8.212	43	17254	4.55	ppb	97
66) Toluene	8.376	91	71277	5.03	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	23570	4.90	ppb	97
68) Ethyl Methacrylate	8.785	69	23753	4.61	ppb	96
69) 1,1,2-Trichloroethane	8.834	97	17385	5.12	ppb	91
72) Tetrachloroethene	8.968	164	15096	4.97	ppb	98
73) 2-Hexanone	9.120	43	13634	4.81	ppb	99
74) 1,3-Dichloropropane	8.998	76	27052	5.30	ppb	96
75) Dibromochloromethane	9.224	129	18055	4.88	ppb	91
76) N-Butyl Acetate	9.279	43	27053	5.00	ppb	86
77) 1,2-Dibromoethane	9.321	107	16298	4.78	ppb	92
78) Chlorobenzene	9.815	112	48052	5.18	ppb	99
79) 3-CBTF	9.833	180	26468	4.96	ppb	95
80) 4-CBTF	9.888	180	23727	4.91	ppb	92
81) 1,1,1,2-Tetrachloroethane	9.901	131	18125	5.03	ppb	93
82) Ethylbenzene	9.937	106	27046	5.39	ppb	92
83) (m+p)Xylene	10.047	106	61948	9.97	ppb	# 87
84) o-Xylene	10.407	106	32097	5.10	ppb	89
85) Styrene	10.419	104	49369	5.02	ppb	88
87) Bromoform	10.571	173	12153	4.66	ppb	97
88) 2-CBTF	10.650	180	26439	5.35	ppb	# 83
89) Isopropylbenzene	10.742	105	78831	5.58	ppb	94
90) Cyclohexanone	10.803	55	77172	109.41	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	6206	5.32	ppb	87
92) 1,1,2,2-Tetrachloroethane	10.998	83	23647	5.54	ppb	92
93) Bromobenzene	10.986	156	21770	5.11	ppb	# 88
94) 1,2,3-Trichloropropane	11.028	110	9246	5.77	ppb	95
95) n-Propylbenzene	11.095	91	85759	5.59	ppb	93
96) 2-Chlorotoluene	11.156	91	54552	5.72	ppb	92
97) 3-Chlorotoluene	11.211	91	49652	5.51	ppb	94
98) 4-Chlorotoluene	11.254	91	62206	5.71	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	65065	5.48	ppb	96
100) tert-Butylbenzene	11.522	119	60101	5.54	ppb	94
101) 1,2,4-Trimethylbenzene	11.559	105	65900	5.58	ppb	94
102) 3,4-DCBTF	11.620	214	20264	4.80	ppb	# 91
103) sec-Butylbenzene	11.705	105	83292	5.49	ppb	95
104) p-Isopropyltoluene	11.827	119	69138	5.24	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

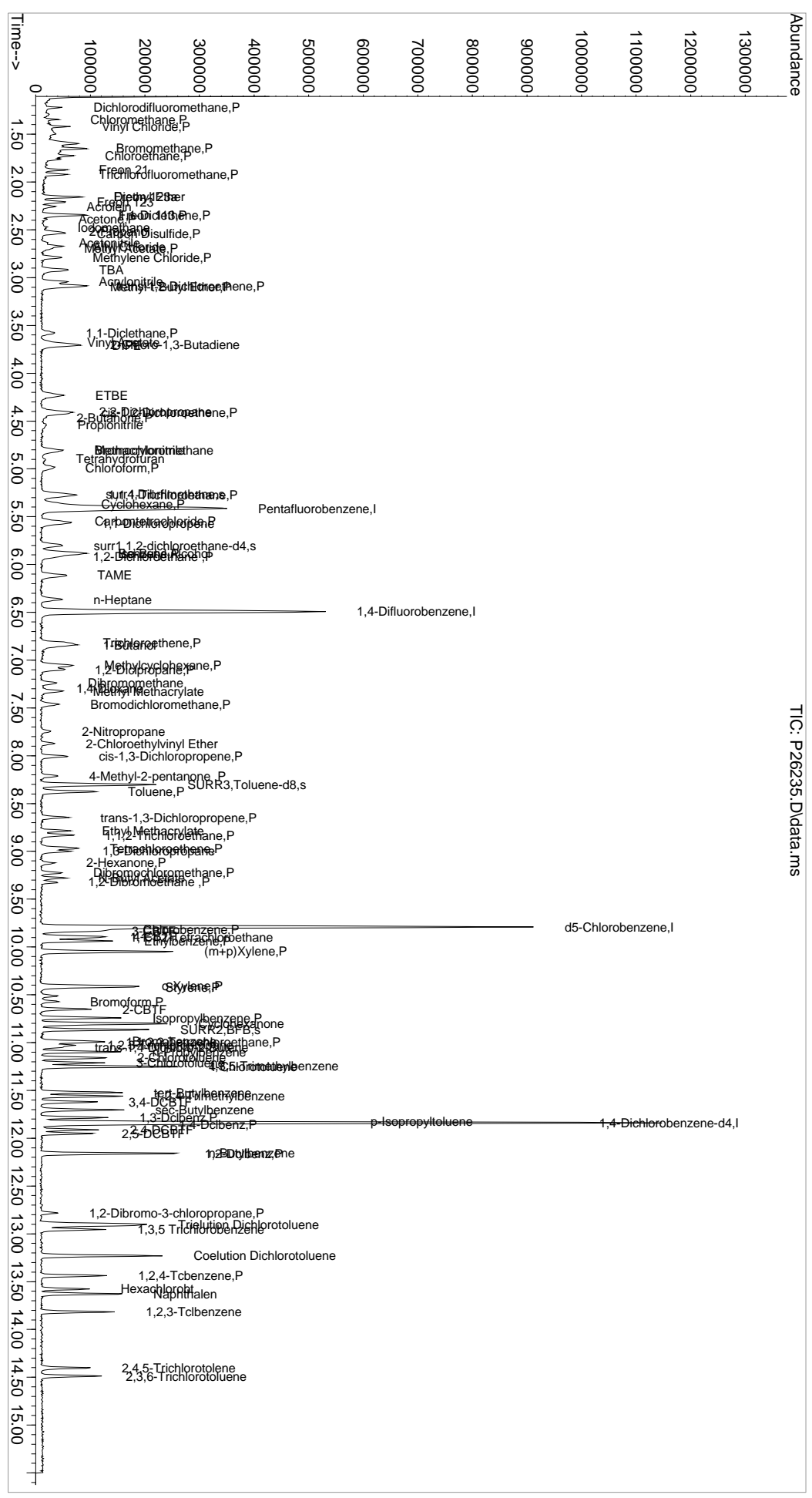
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	39757	5.22	ppb	94
106) 1,4-Dclbenz	11.857	146	41468	5.33	ppb	97
107) 2,4-DCBTF	11.912	214	18125	4.77	ppb	96
108) 2,5-DCBTF	11.955	214	20270	4.80	ppb	95
109) n-Butylbenzene	12.156	91	57917	5.27	ppb	94
110) 1,2-Dclbenz	12.162	146	40134	5.29	ppb	91
111) 1,2-Dibromo-3-chloropr...	12.784	157	7172	4.73	ppb	92
112) Trielution Dichlorotol...	12.900	125	100816	15.83	ppb	91
113) 1,3,5 Trichlorobenzene	12.955	180	29057	4.82	ppb	91
114) Coelution Dichlorotoluene	13.229	125	75108	10.57	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	30218	4.78	ppb	94
116) Hexachlorobt	13.577	225	13161	4.82	ppb	86
117) Naphthalen	13.625	128	94474	5.16	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	33462	5.00	ppb	95
119) 2,4,5-Trichlorotoluene	14.400	159	18953	4.67	ppb	99
120) 2,3,6-Trichlorotoluene	14.491	159	21798	4.58	ppb	96

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

1st 05/01/19

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Conc : 8260/624 ICAL
 PALS Vial : 4 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



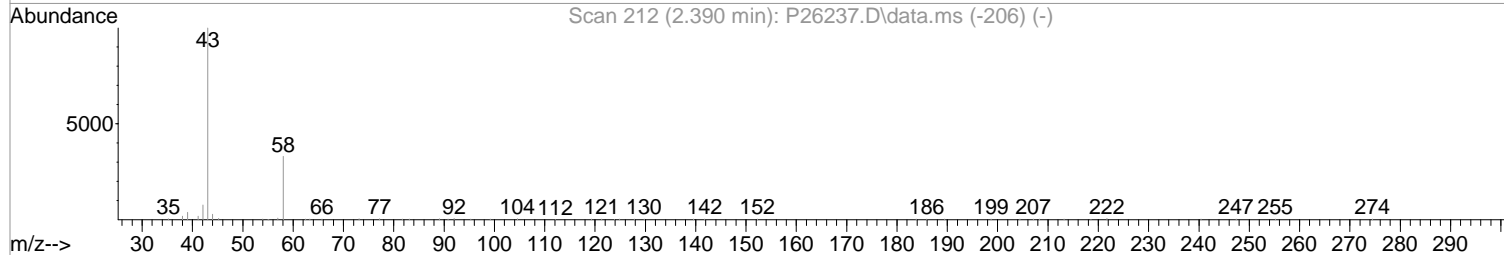
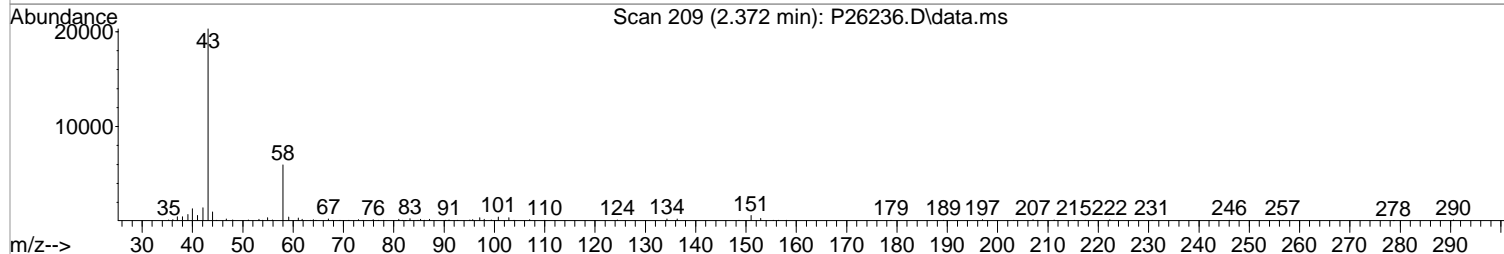
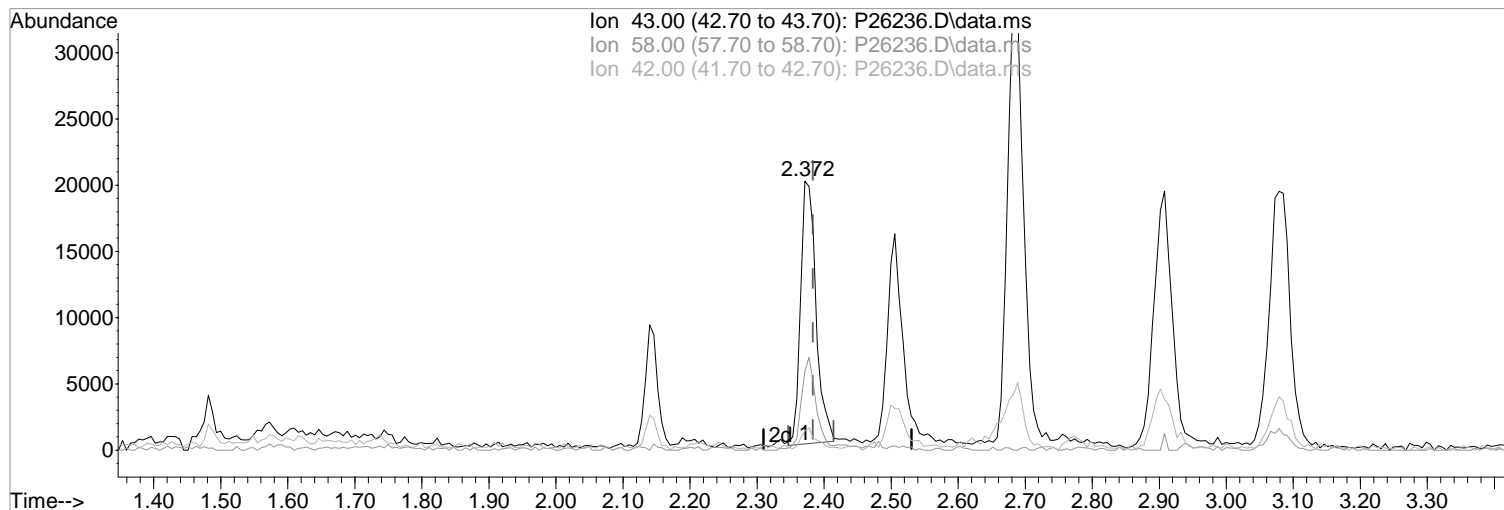
W050119.M Wed May 01 17:42:04 2019

Page : 4

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.372min (-0.012) 23.66 ppb m
response 31687

Manual Integration:

After

Poor integration.

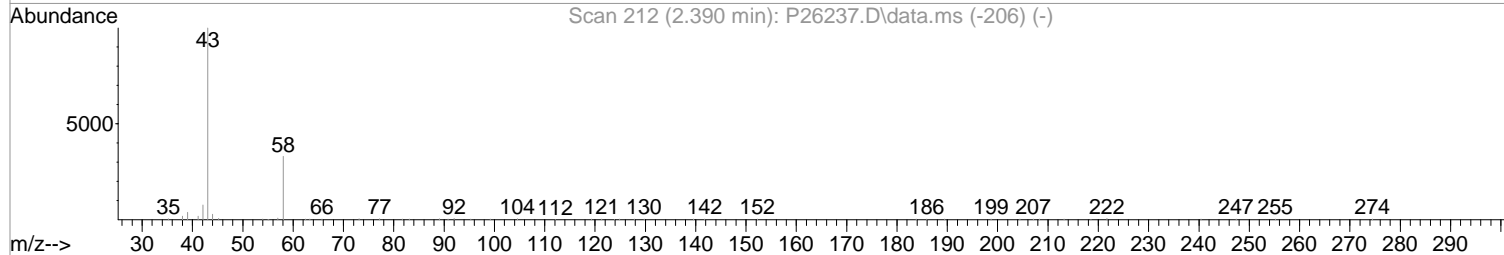
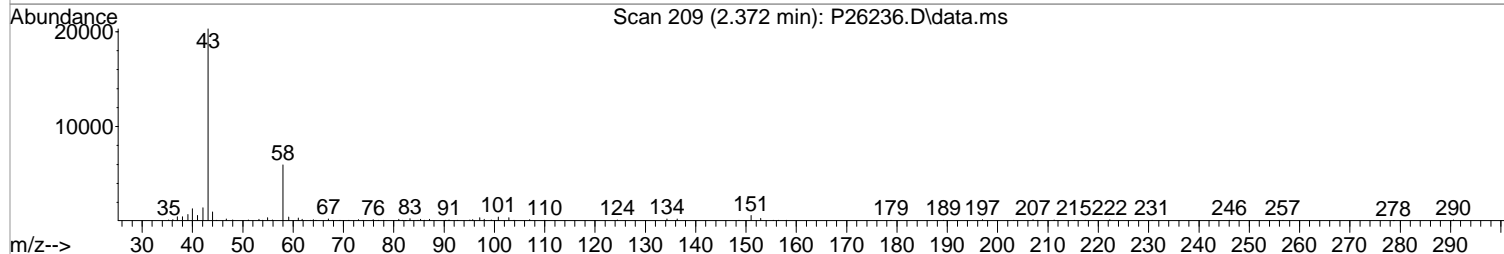
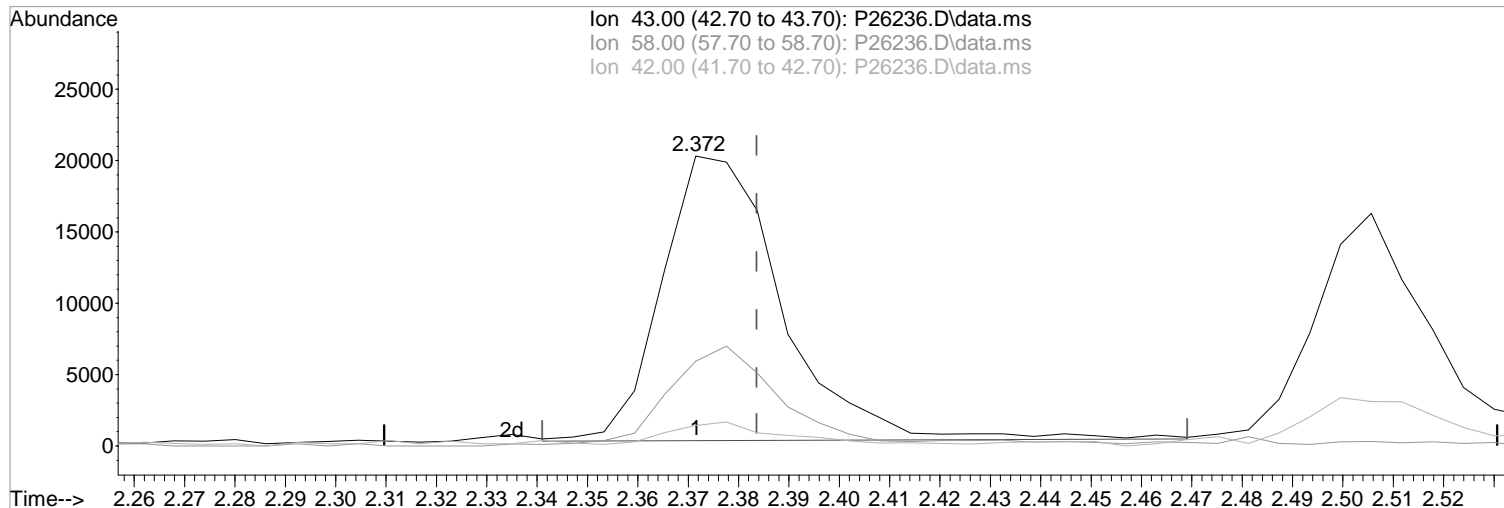
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.372min (-0.012) 24.86 ppb
response 33295

Manual Integration:
Before

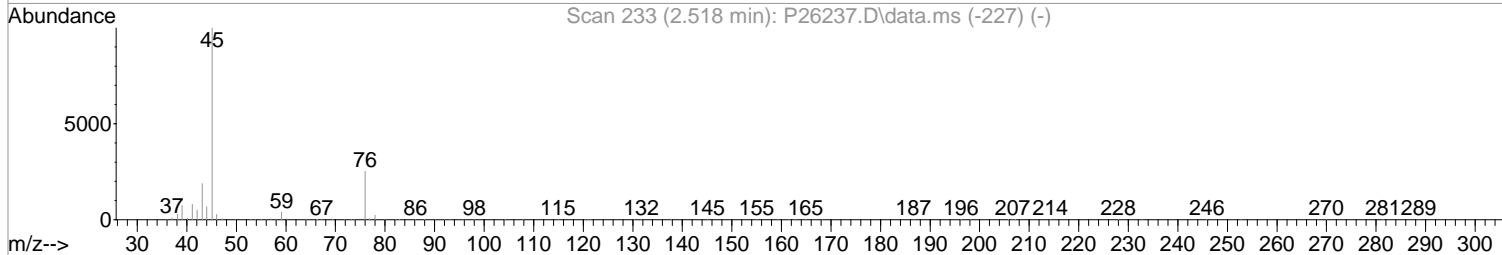
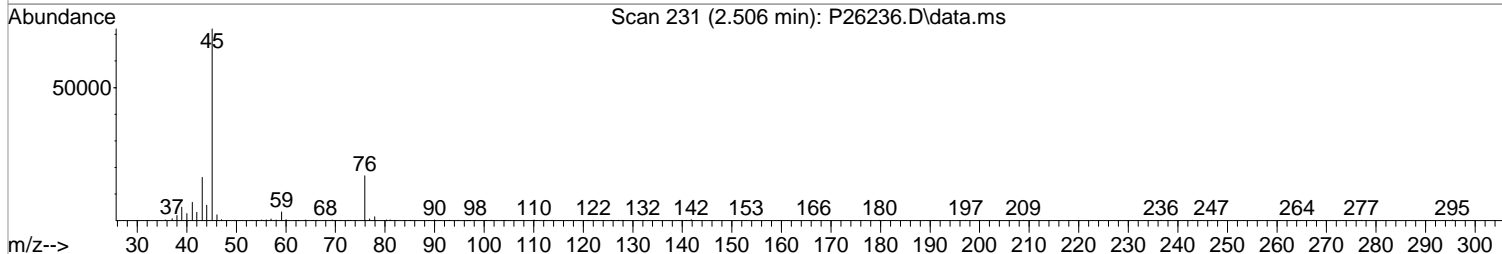
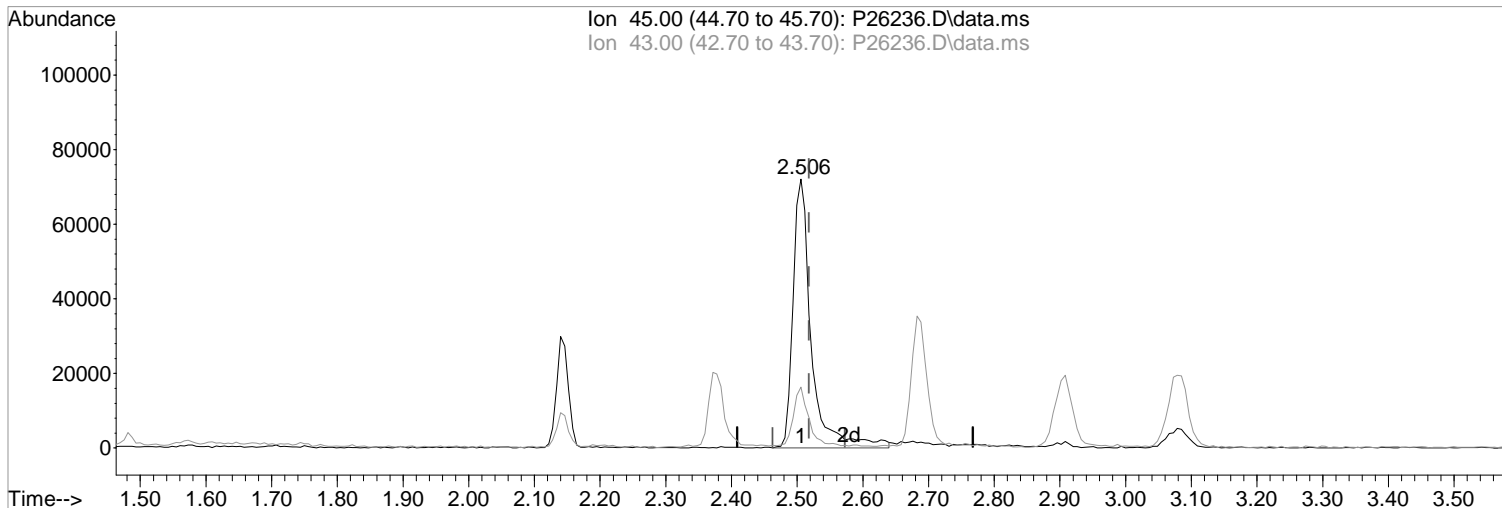
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 405.00 ppb m
response 140122

Manual Integration:

After

Poor integration.

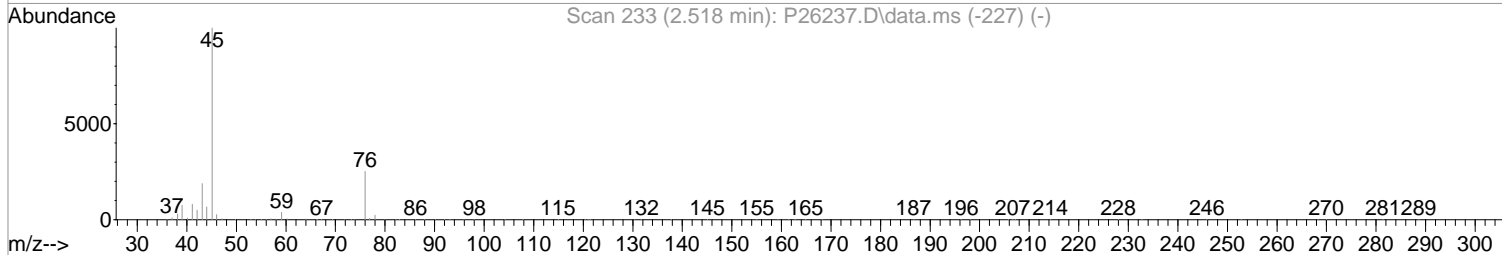
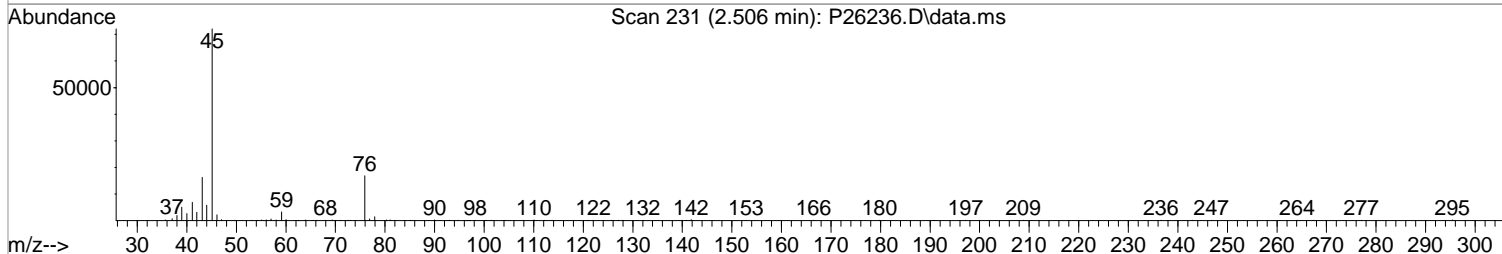
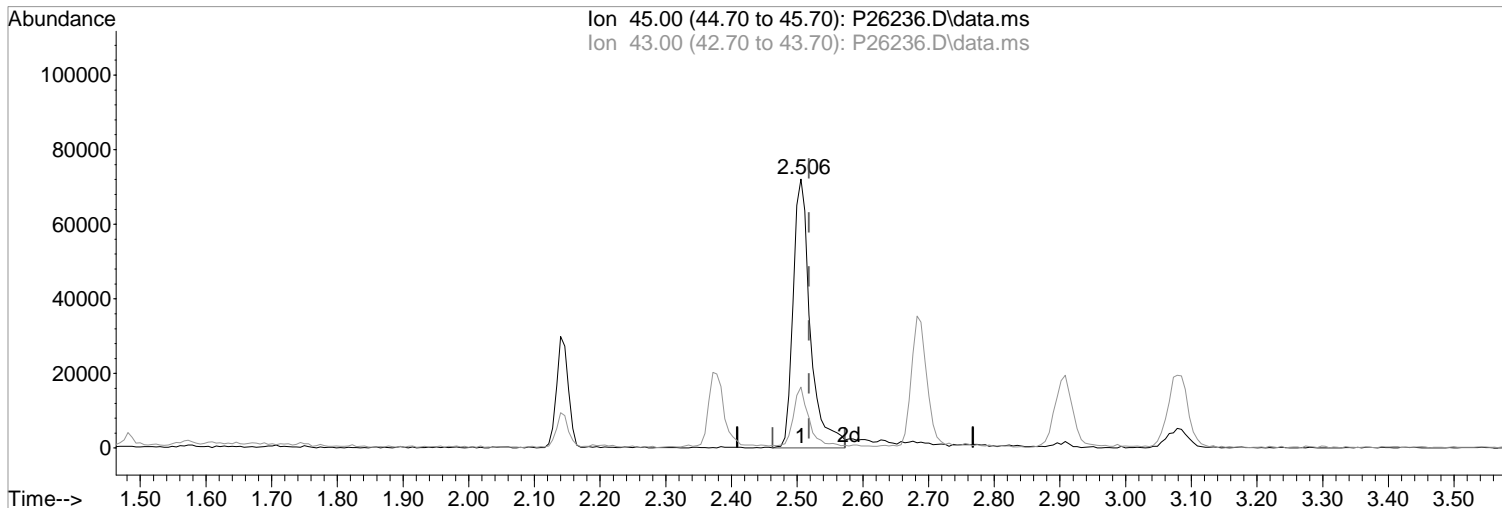
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 381.12 ppb
response 131858

Manual Integration:
Before

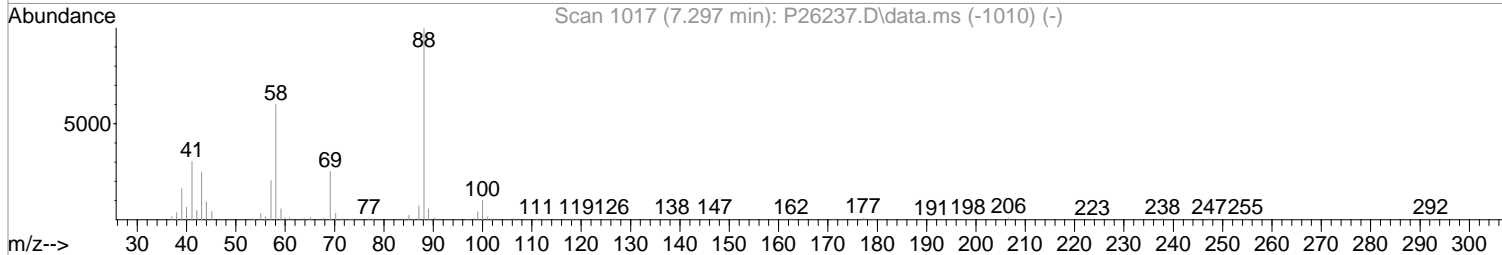
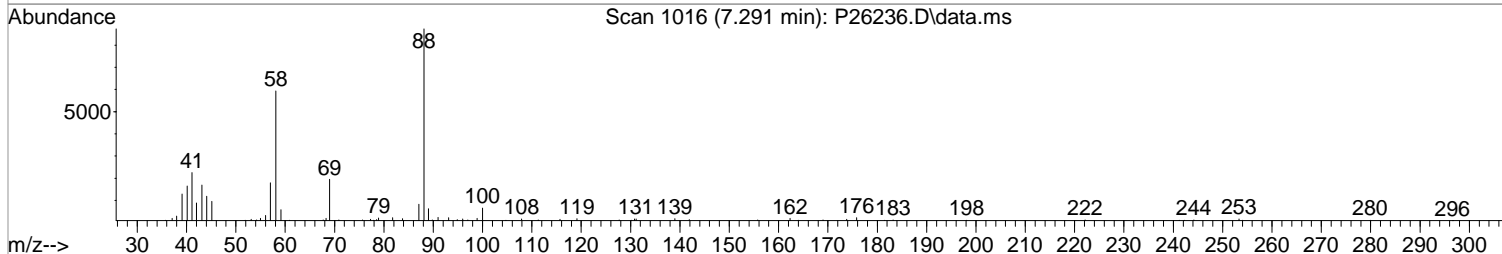
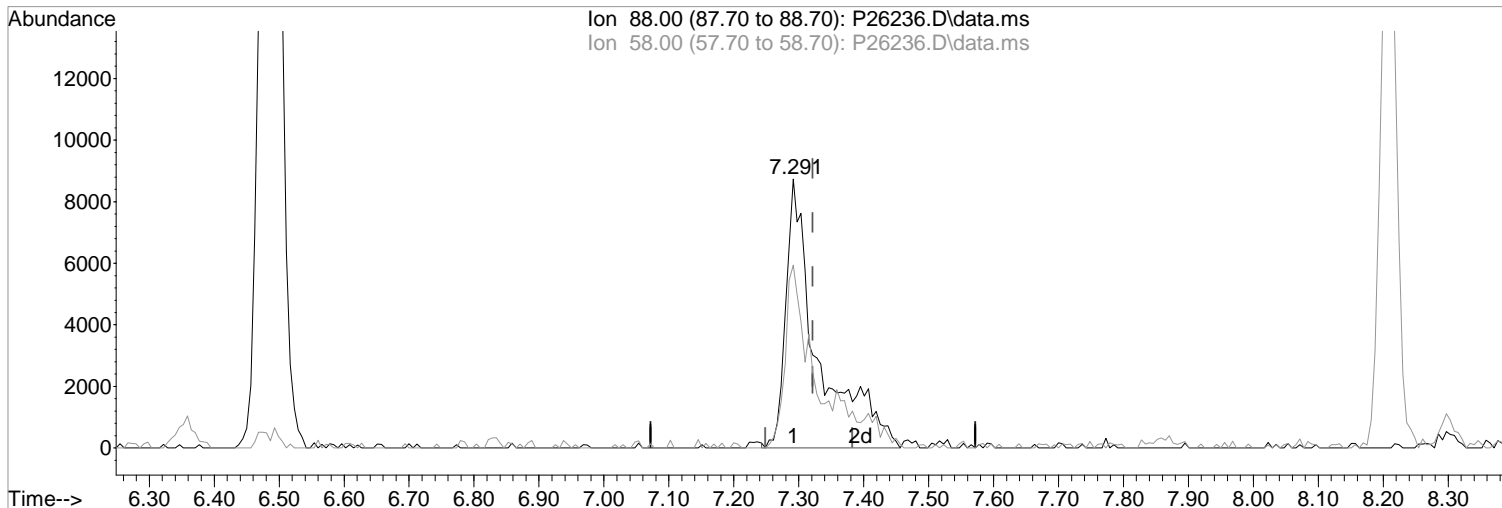
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.291min (-0.030) 369.35 ppb m
response 30152

Manual Integration:
After
Poor integration.

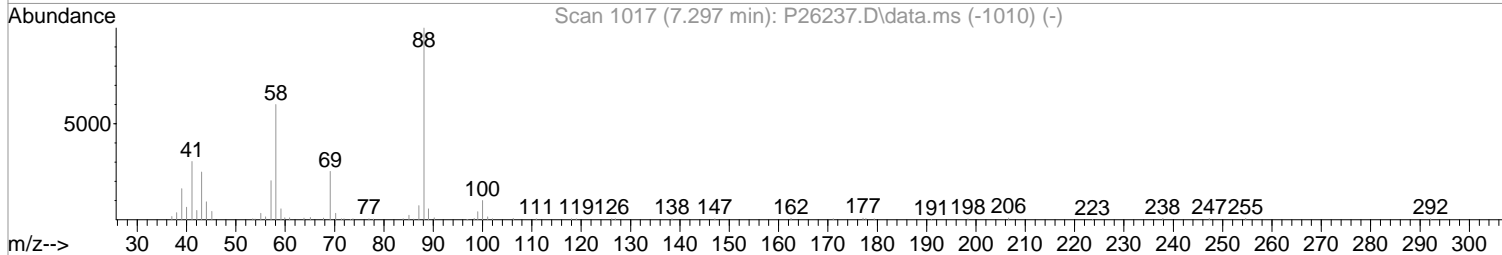
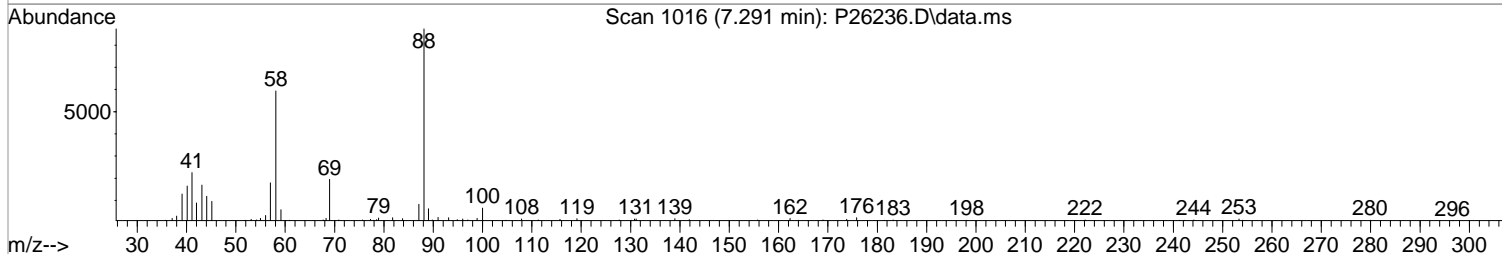
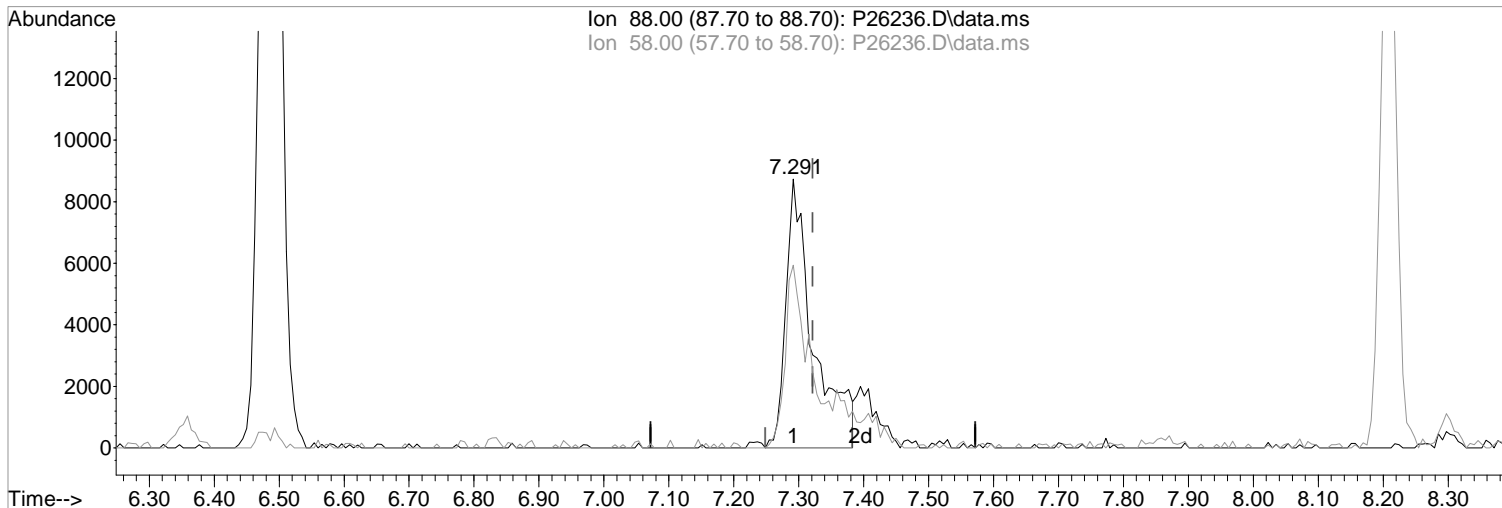
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.291min (-0.030) 314.35 ppb
response 25662

Manual Integration:
Before

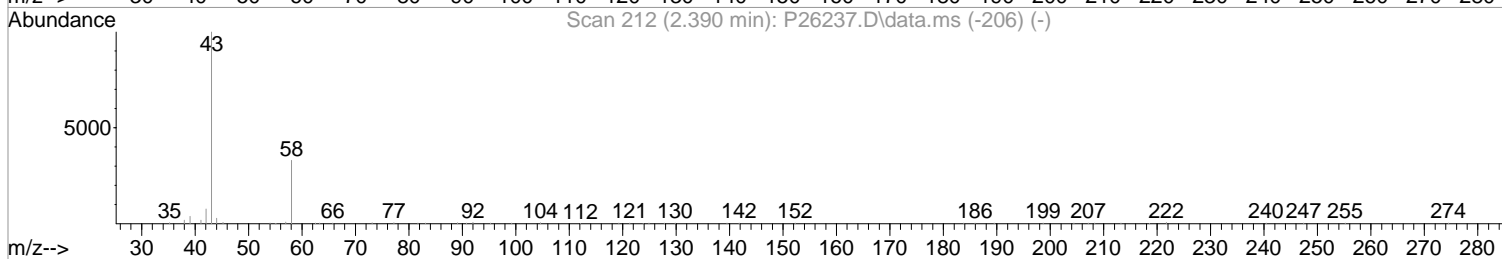
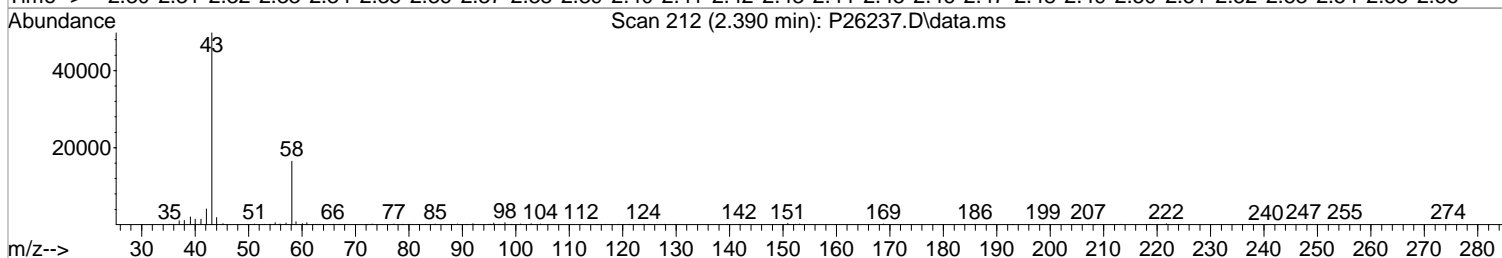
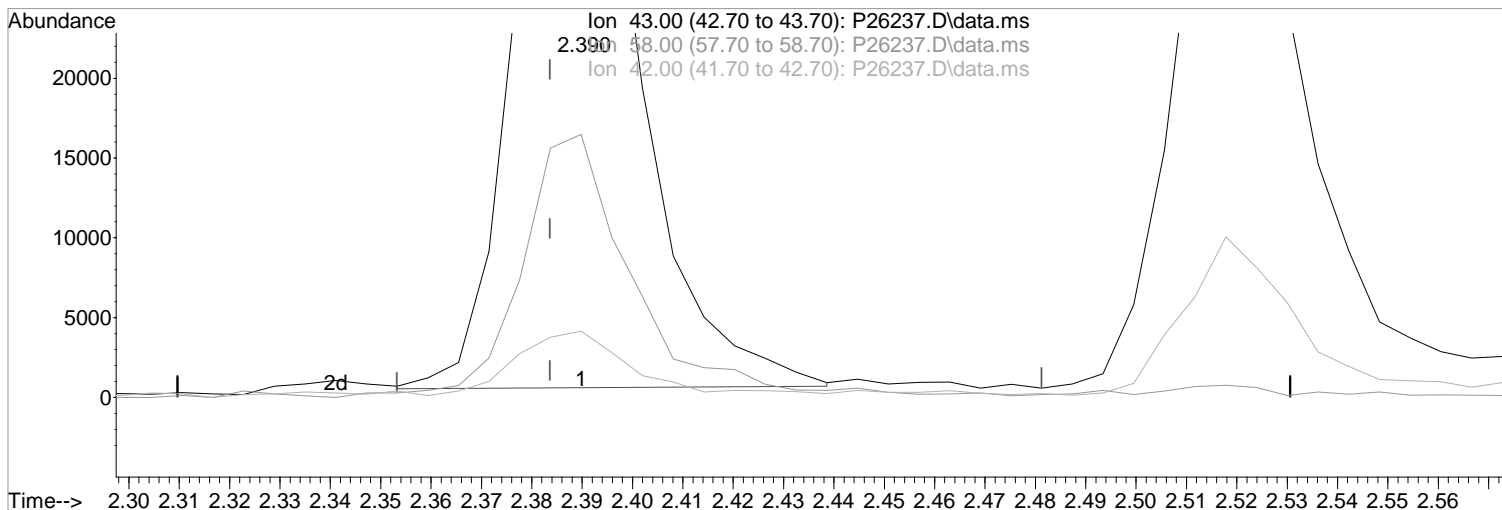
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 52.16 ppb m
response 74155

Manual Integration:

After

Poor integration.

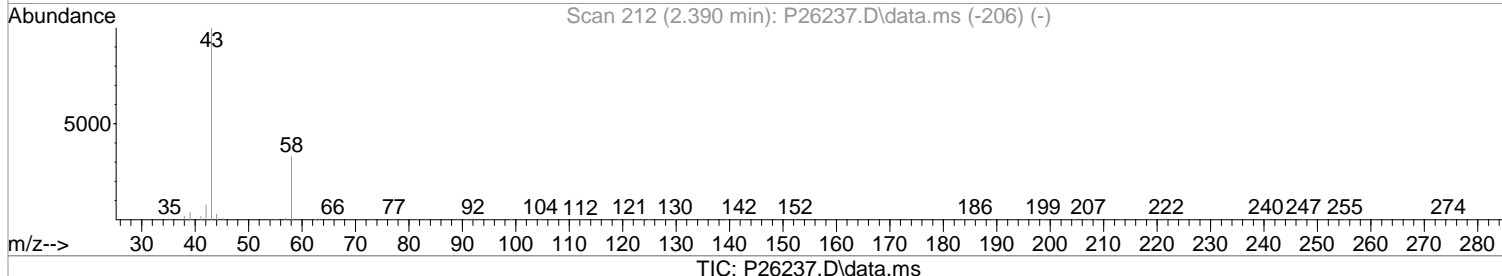
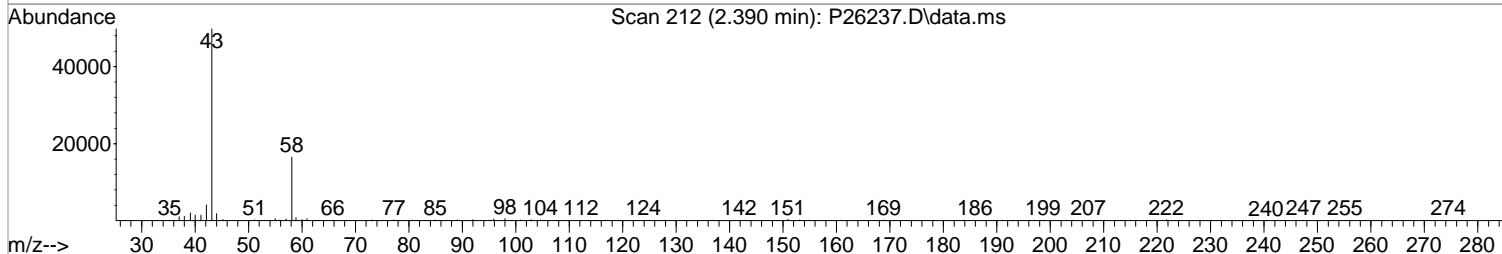
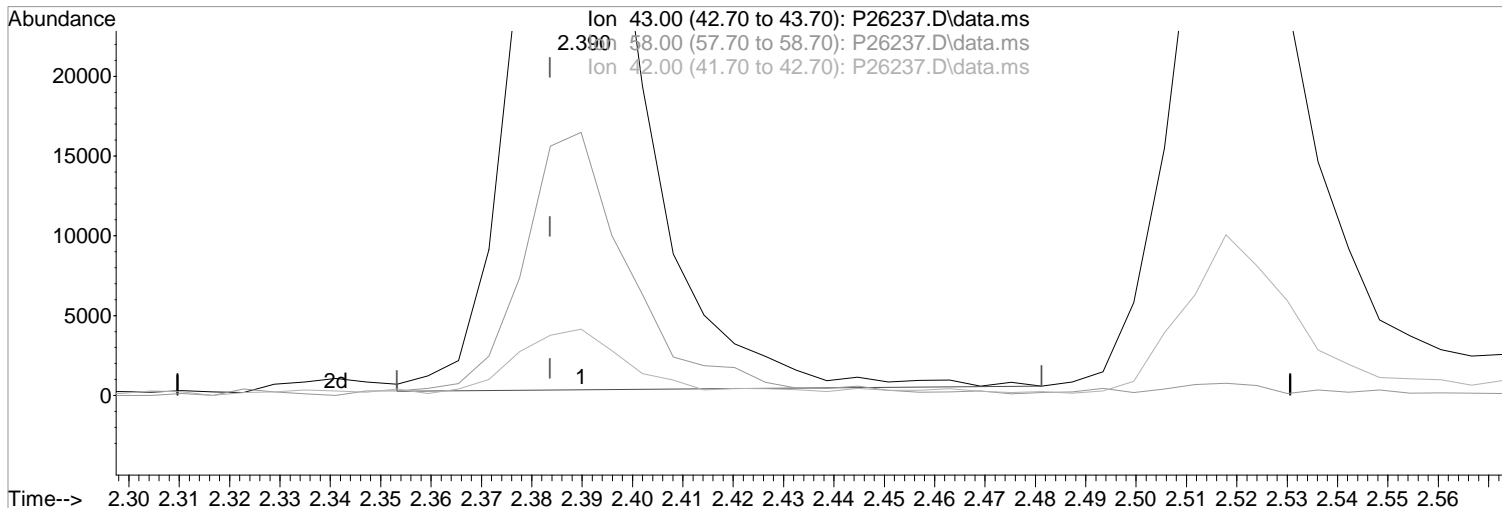
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 53.63 ppb
response 76244

Manual Integration:

Before

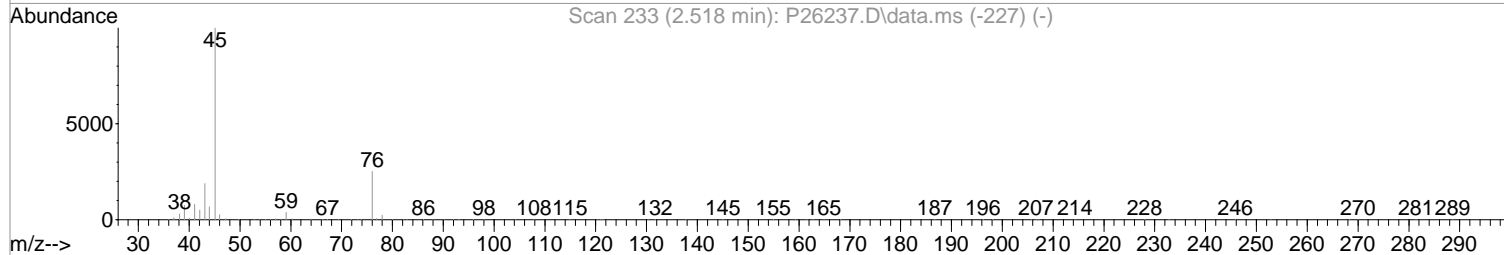
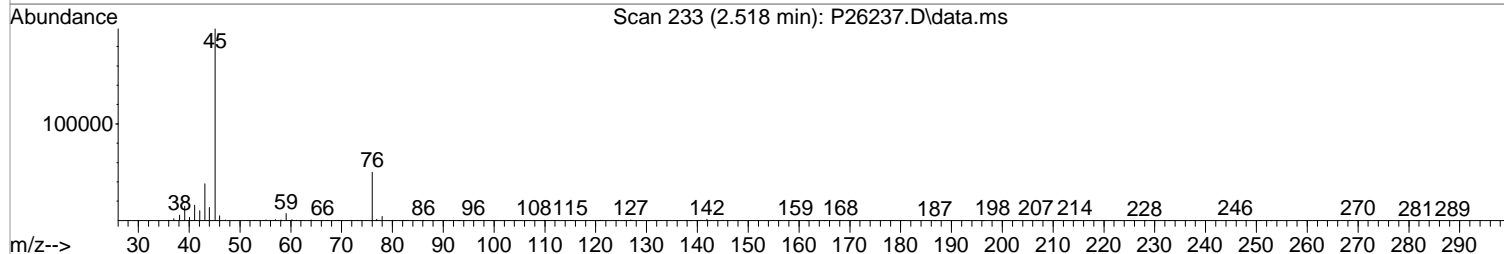
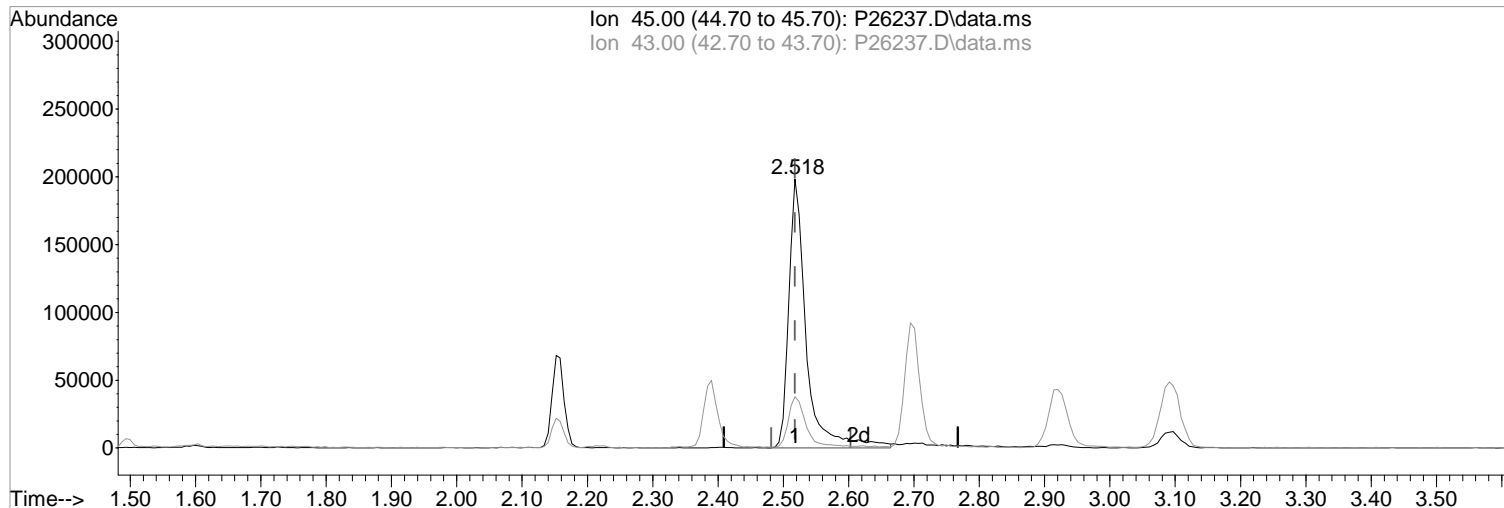
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol

2.518min (+0.000) 1001.51 ppb m

response 367862

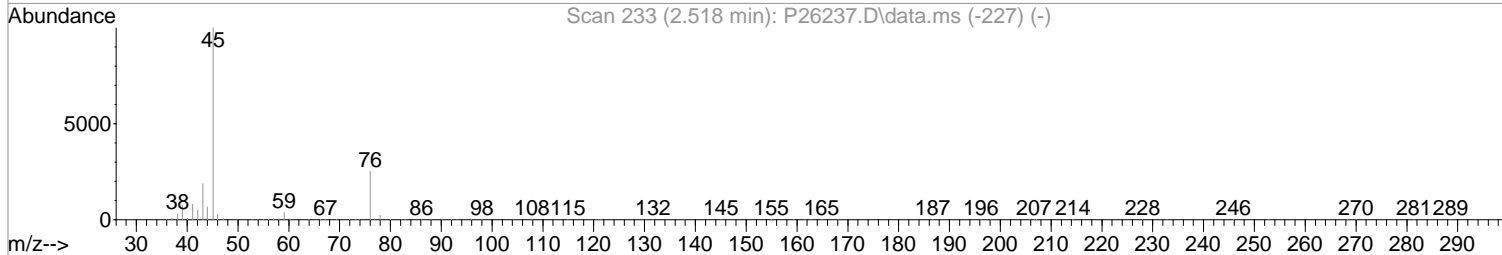
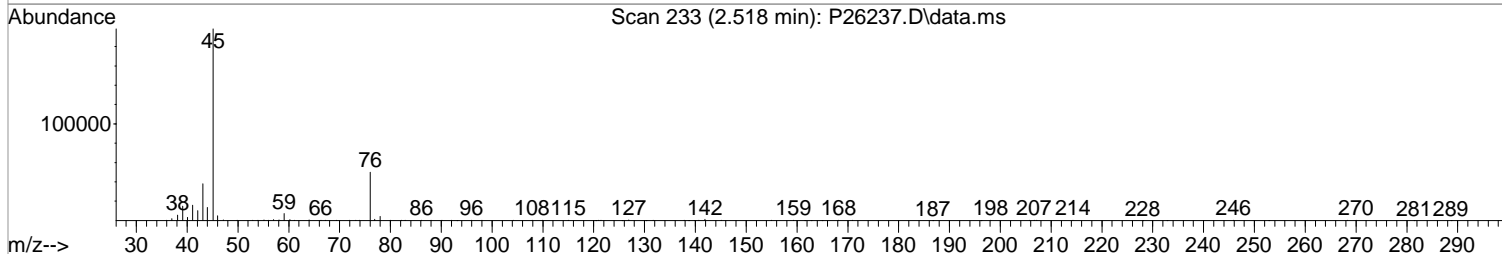
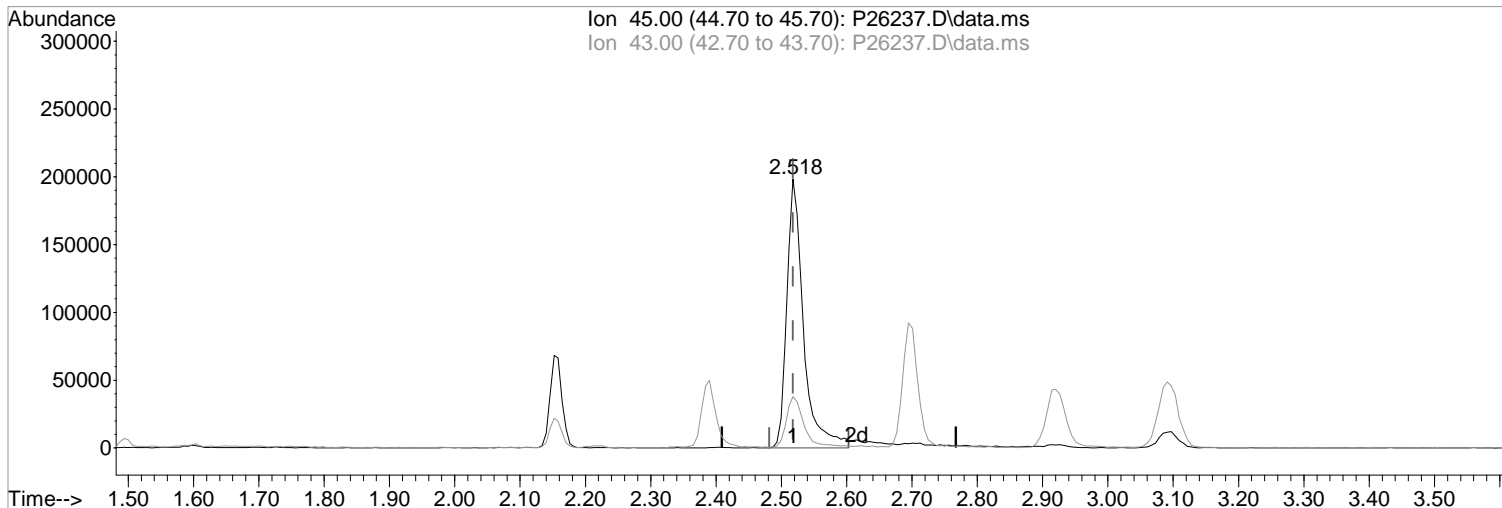
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26237.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 957.97 ppb
response 351871

Manual Integration:

Before

05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	354323	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	498990	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	469254	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	300936	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	144520	50.38	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.76%		
48) surr1,1,2-dichloroetha...	5.798	65	164940	52.70	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	105.40%		
65) SURR3,Toluene-d8	8.303	98	606611	50.93	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.86%		
70) SURR2,BFB	10.864	95	248957	53.49	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	106.98%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	177695	53.25	ppb		100
3) Chloromethane	1.347	50	149706	49.40	ppb		100
4) Vinyl Chloride	1.420	62	187452	50.33	ppb		100
5) Bromomethane	1.646	94	165070	44.37	ppb		100
6) Chloroethane	1.725	64	142198	46.42	ppb		100
7) Freon 21	1.872	67	264085	49.19	ppb		100
8) Trichlorofluoromethane	1.920	101	234110	50.55	ppb		100
9) Diethyl Ether	2.158	59	126601	47.17	ppb		100
10) Freon 123a	2.158	67	162268	49.30	ppb		100
11) Freon 123	2.207	83	194977	50.72	ppb		100
12) Acrolein	2.256	56	162785	255.31	ppb		100
13) 1,1-Diclcethene	2.341	96	139055	47.20	ppb		100
14) Freon 113	2.347	101	130696	50.10	ppb		100
15) Acetone	2.390	43	74155m	52.16	ppb		
16) 2-Propanol	2.518	45	367862m	1001.51	ppb		
17) Iodomethane	2.475	142	186337	56.83	ppb		100
18) Carbon Disulfide	2.536	76	368937	51.98	ppb		100
19) Acetonitrile	2.634	40	59127	357.31	ppb		100
20) Allyl Chloride	2.676	76	65983	42.81	ppb		100
21) Methyl Acetate	2.695	43	146835	47.88	ppb		100
22) Methylene Chloride	2.786	84	152312	46.15	ppb		100
23) TBA	2.920	59	672348	993.70	ppb		100
24) Acrylonitrile	3.042	53	397367	257.09	ppb		100
25) Methyl-t-Butyl Ether	3.091	73	537448	50.22	ppb		100
26) trans-1,2-Dichloroethene	3.079	96	154273	47.76	ppb		100
28) 1,1-Diclcethane	3.579	63	271584	51.42	ppb		100
29) Vinyl Acetate	3.664	86	36735	55.67	ppb		100
30) DIPE	3.707	45	423008	51.14	ppb		100
31) 2-Chloro-1,3-Butadiene	3.701	53	201200	50.62	ppb		100
32) ETBE	4.231	59	468542	51.33	ppb		100
33) 2,2-Dichloropropane	4.408	77	250249	51.77	ppb		100
34) cis-1,2-Dichloroethene	4.414	96	179974	47.15	ppb		100
35) 2-Butanone	4.456	43	104888	53.54	ppb		100
36) Propionitrile	4.536	54	174917	250.22	ppb		100
37) Bromochloromethane	4.804	130	126701	49.46	ppb		100
38) Methacrylonitrile	4.804	67	93165	48.60	ppb		100
39) Tetrahydrofuran	4.902	42	69139	51.89	ppb		100
40) Chloroform	4.987	83	277264	49.46	ppb		100
41) 1,1,1-Trichloroethane	5.279	97	262895	50.32	ppb		100

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	492483	51.28	ppb	100
44) Cyclohexane	5.365	41	135276	50.31	ppb	100
46) Carbontetrachloride	5.554	117	226927	52.31	ppb	100
47) 1,1-Dichloropropene	5.566	75	205187	51.08	ppb	100
49) Benzene	5.877	78	647447	50.07	ppb	100
50) 1,2-Dichloroethane	5.914	62	230286	50.24	ppb	100
51) Iso-Butyl Alcohol	5.889	43	276739	995.93	ppb	100
52) n-Heptane	6.365	43	168896	49.12	ppb	100
53) 1-Butanol	6.846	56	481621	2541.15	ppb	100
54) Trichloroethene	6.822	130	198419	49.38	ppb	100
55) Methylcyclohexane	7.054	55	194220	51.75	ppb	100
56) 1,2-Diclpropane	7.096	63	157928	50.93	ppb	100
57) Dibromomethane	7.236	93	109933	50.35	ppb	100
58) 1,4-Dioxane	7.297	88	77355	917.08	ppb	100
59) Methyl Methacrylate	7.322	69	155675	50.81	ppb	100
60) Bromodichloromethane	7.462	83	215536	50.09	ppb	100
61) 2-Nitropropane	7.742	41	124175	111.46	ppb	100
62) 2-Chloroethylvinyl Ether	7.870	63	117019	53.19	ppb	100
63) cis-1,3-Dichloropropene	8.005	75	277214	49.92	ppb	100
64) 4-Methyl-2-pentanone	8.212	43	199405	50.92	ppb	100
66) Toluene	8.376	91	746368	51.04	ppb	100
67) trans-1,3-Dichloropropene	8.645	75	257836	51.97	ppb	100
68) Ethyl Methacrylate	8.785	69	272364	51.15	ppb	100
69) 1,1,2-Trichloroethane	8.828	97	176345	50.31	ppb	100
72) Tetrachloroethene	8.968	164	163383	48.43	ppb	100
73) 2-Hexanone	9.120	43	159320	50.55	ppb	100
74) 1,3-Dichloropropane	8.998	76	281997	49.71	ppb	100
75) Dibromochloromethane	9.224	129	197467	48.02	ppb	100
76) N-Butyl Acetate	9.279	43	304972	50.74	ppb	100
77) 1,2-Dibromoethane	9.321	107	185675	49.02	ppb	100
78) Chlorobenzene	9.815	112	509827	49.42	ppb	100
79) 3-CBTF	9.833	180	293797	49.59	ppb	100
80) 4-CBTF	9.888	180	258975	48.19	ppb	100
81) 1,1,1,2-Tetrachloroethane	9.907	131	189082	47.24	ppb	100
82) Ethylbenzene	9.937	106	272049	48.78	ppb	100
83) (m+p)Xylene	10.053	106	700373	101.42	ppb	100
84) o-Xylene	10.407	106	356059	50.93	ppb	100
85) Styrene	10.419	104	584229	53.47	ppb	100
87) Bromoform	10.571	173	167907	48.11	ppb	100
88) 2-CBTF	10.650	180	307147	46.39	ppb	100
89) Isopropylbenzene	10.742	105	871867	46.06	ppb	100
90) Cyclohexanone	10.803	55	848318	898.28	ppb	100
91) trans-1,4-Dichloro-2-B...	11.047	53	66292	42.44	ppb	100
92) 1,1,2,2-Tetrachloroethane	10.998	83	254668	44.53	ppb	100
93) Bromobenzene	10.986	156	264373	46.33	ppb	100
94) 1,2,3-Trichloropropane	11.028	110	96986	45.18	ppb	100
95) n-Propylbenzene	11.095	91	959506	46.75	ppb	100
96) 2-Chlorotoluene	11.162	91	592282	46.40	ppb	100
97) 3-Chlorotoluene	11.211	91	578592	47.97	ppb	100
98) 4-Chlorotoluene	11.254	91	702912	48.16	ppb	100
99) 1,3,5-Trimethylbenzene	11.248	105	760516	47.83	ppb	100
100) tert-Butylbenzene	11.522	119	712650	49.06	ppb	100
101) 1,2,4-Trimethylbenzene	11.559	105	760086	48.07	ppb	100
102) 3,4-DCBTF	11.626	214	280755	49.72	ppb	100
103) sec-Butylbenzene	11.705	105	964123	47.43	ppb	100
104) p-Isopropyltoluene	11.827	119	869872	49.20	ppb	100

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

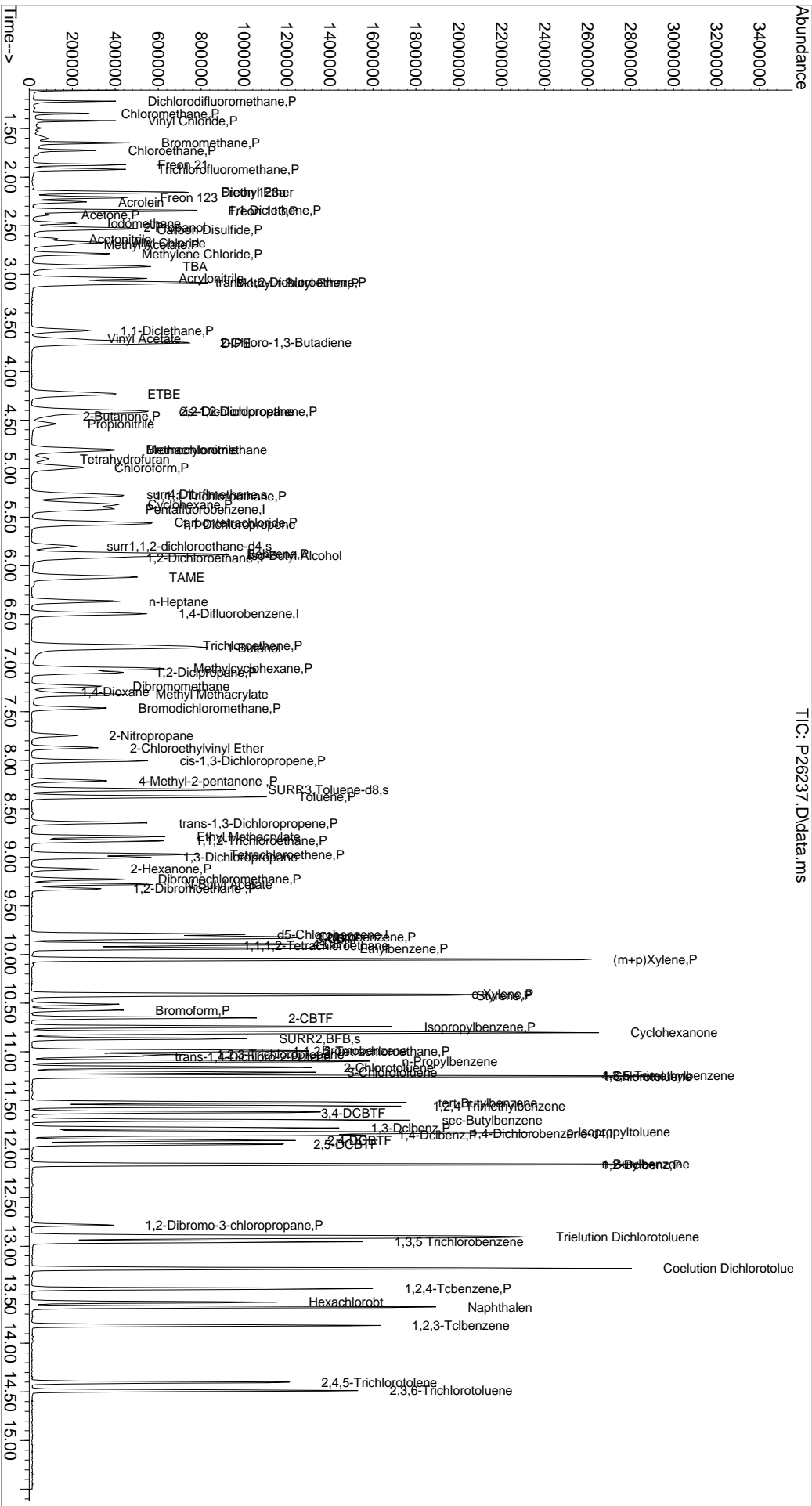
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	491651	48.24	ppb	100
106) 1,4-Dclbenz	11.857	146	515778	49.47	ppb	100
107) 2,4-DCBTF	11.912	214	255670	50.27	ppb	100
108) 2,5-DCBTF	11.955	214	281561	49.80	ppb	100
109) n-Butylbenzene	12.156	91	691693	47.02	ppb	100
110) 1,2-Dclbenz	12.162	146	494890	48.75	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.784	157	96786	47.72	ppb	100
112) Trielution Dichlorotol...	12.906	125	1263252	148.17	ppb	100
113) 1,3,5 Trichlorobenzene	12.955	180	397664	49.31	ppb	100
114) Coelution Dichlorotoluene	13.229	125	934190	98.21	ppb	100
115) 1,2,4-Tcbenzene	13.436	180	421605	49.82	ppb	100
116) Hexachlorobt	13.577	225	177228	48.48	ppb	100
117) Naphthalen	13.625	128	1206252	49.21	ppb	100
118) 1,2,3-Tclbenzene	13.814	180	443933	49.49	ppb	100
119) 2,4,5-Trichlorotolene	14.400	159	279033	51.40	ppb	100
120) 2,3,6-Trichlorotoluene	14.485	159	324895	50.99	ppb	100

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

1st 05/01/19

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Conc : 8260/624 ICAL
 PALS Vial : 6 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



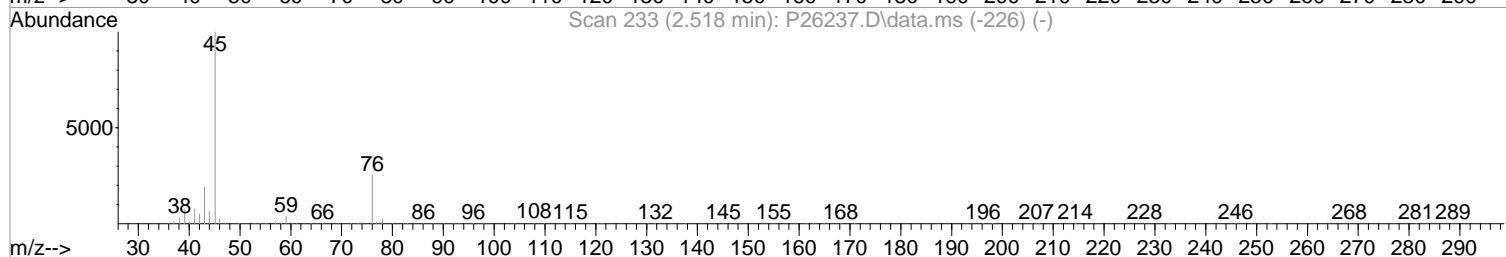
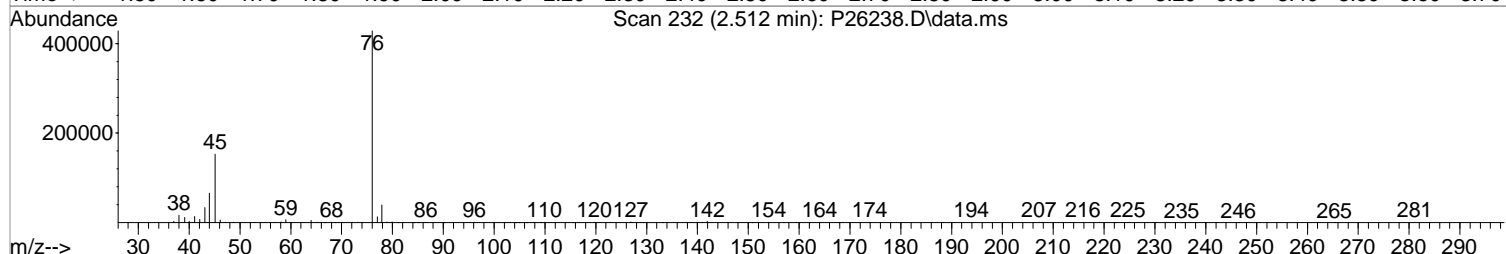
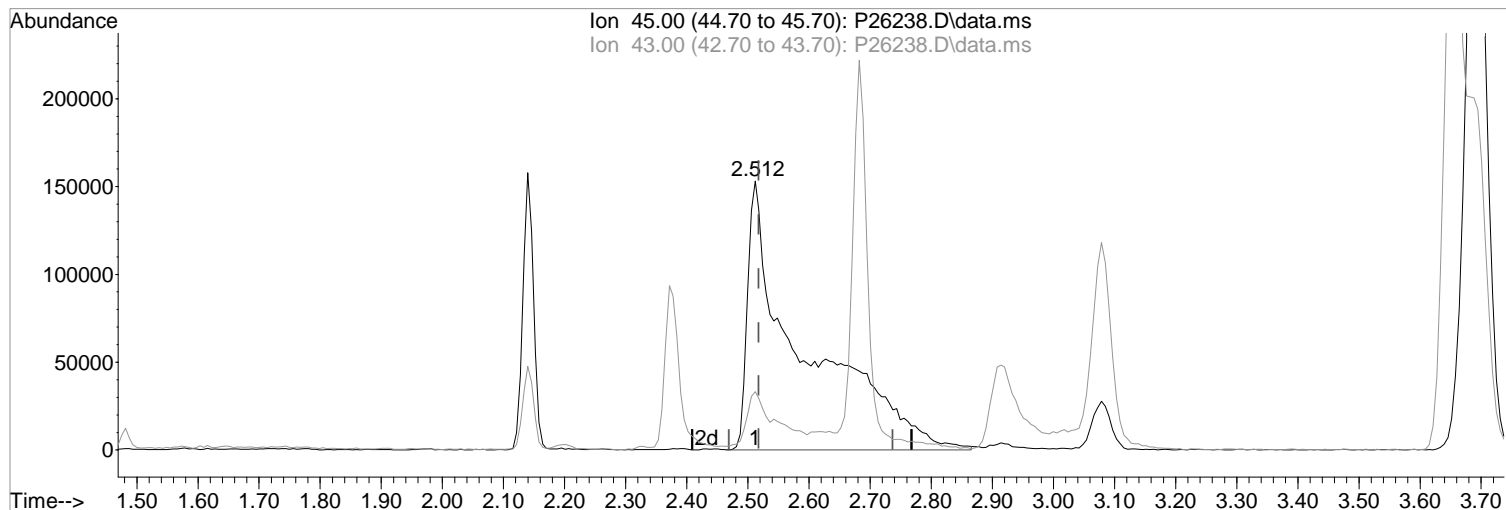
W050119.M Wed May 01 18:06:13 2019

Page : 4

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 2213.99 ppb m
response 953242

Manual Integration:

After

Poor integration.

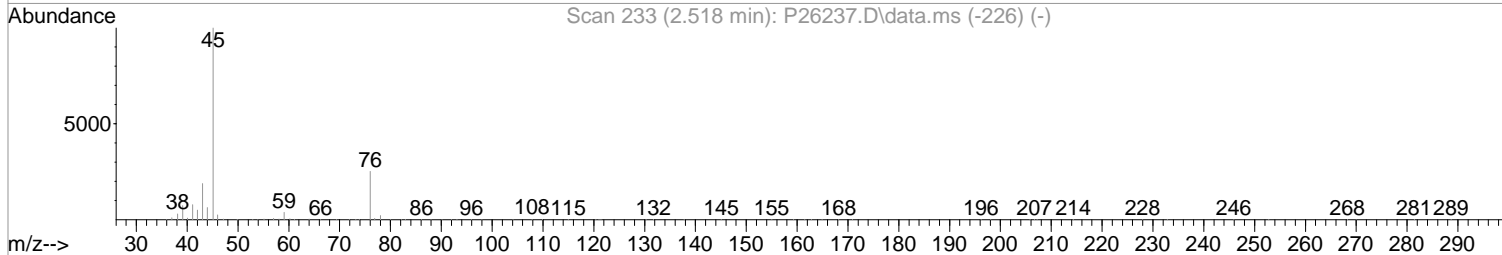
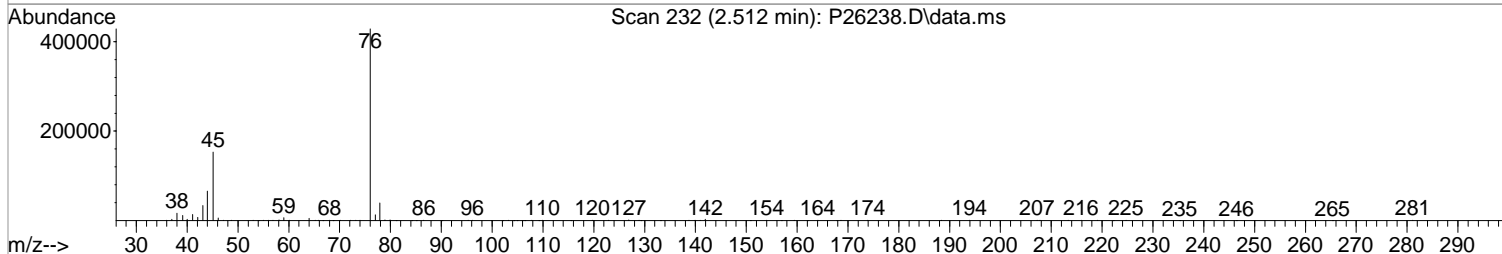
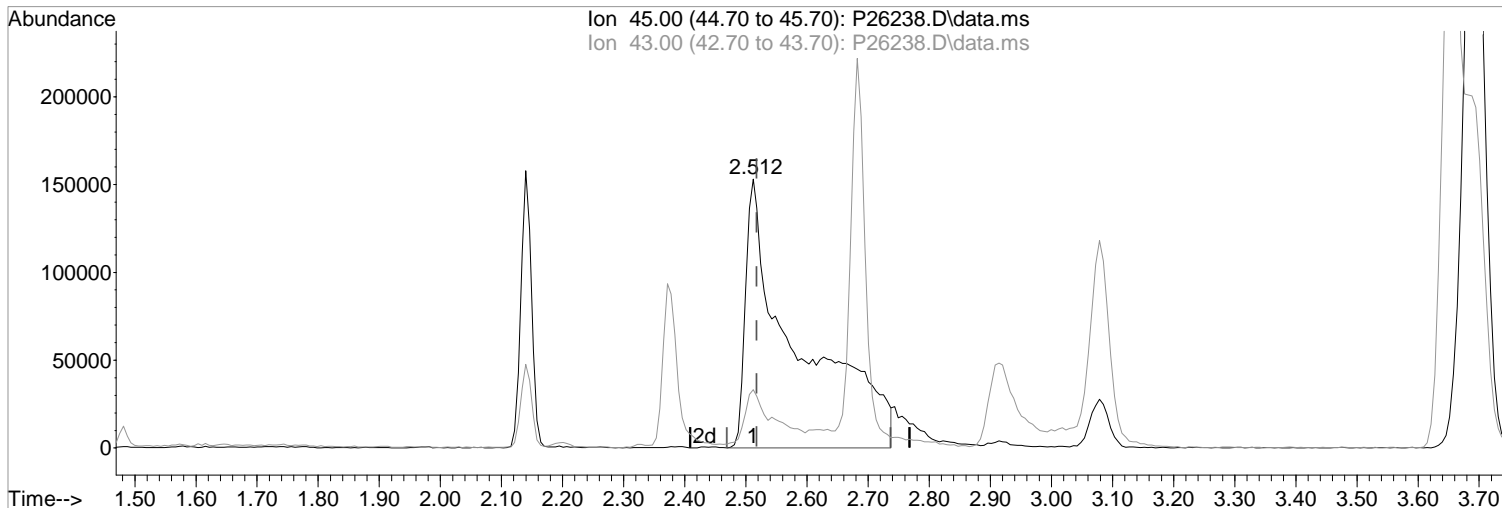
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.512min (-0.006) 2059.62 ppb
response 886775

Manual Integration:

Before

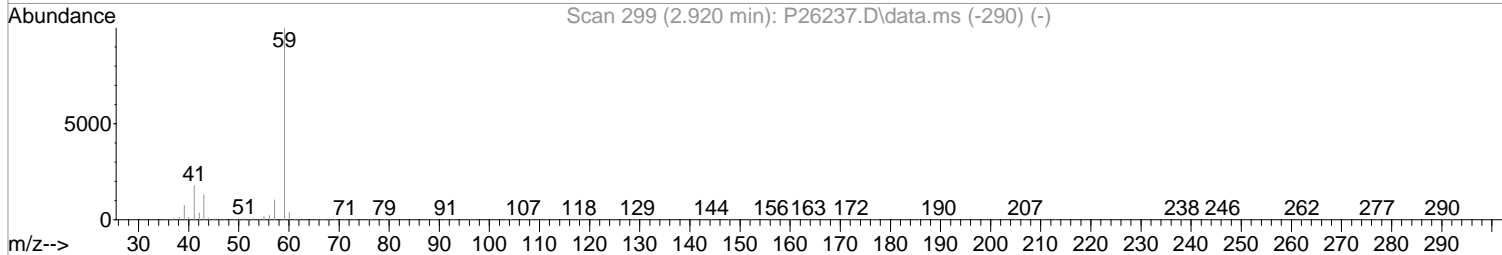
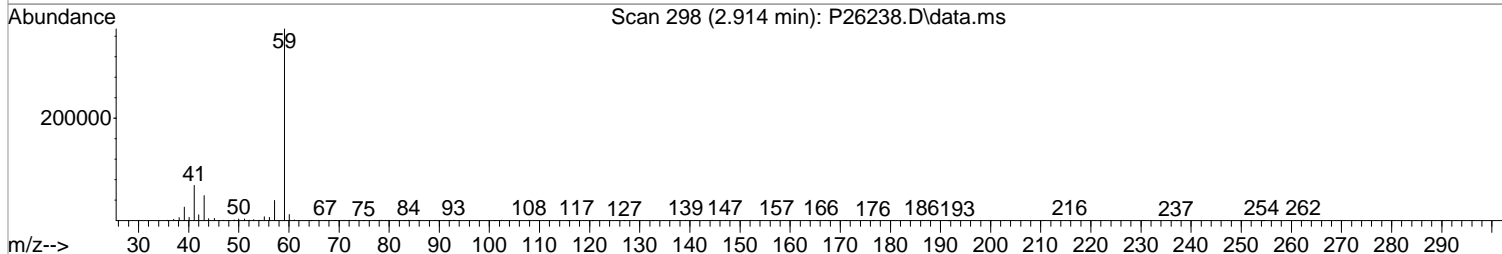
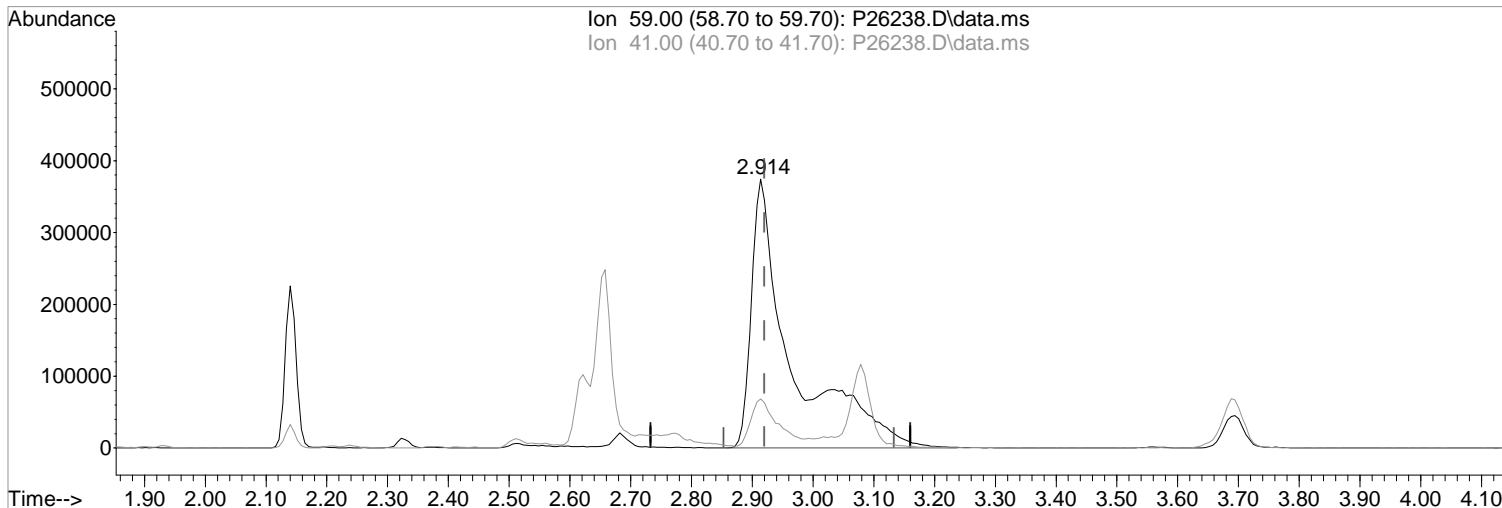
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(23) TBA

2.914min (-0.006) 2166.30 ppb m

response 1718122

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

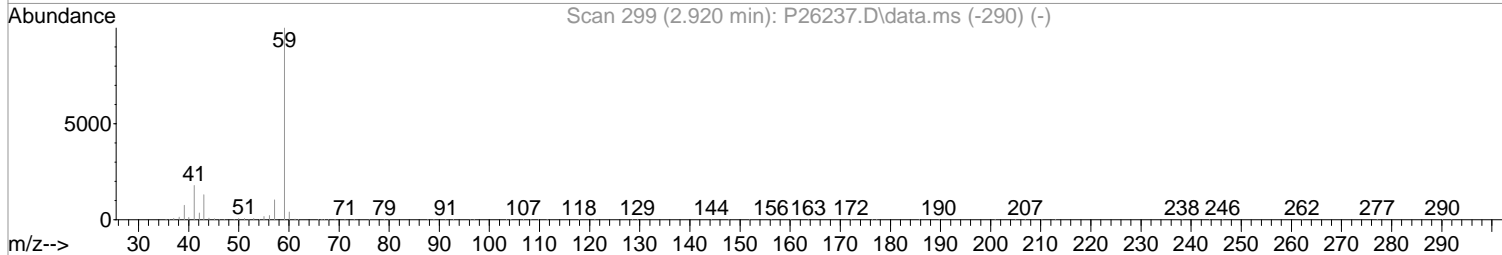
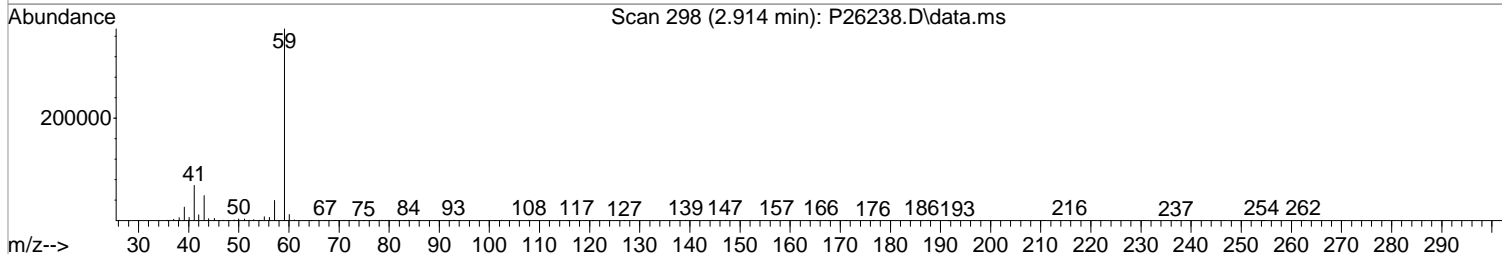
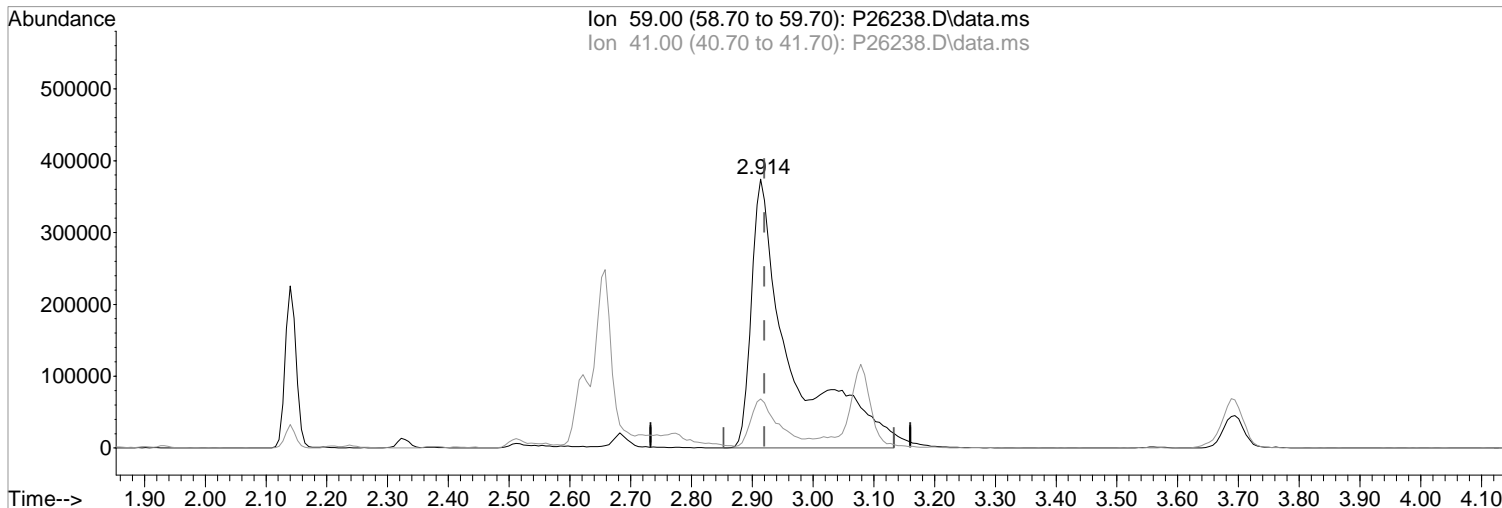
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(23) TBA

2.914min (-0.006) 2121.56 ppb

response 1682642

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

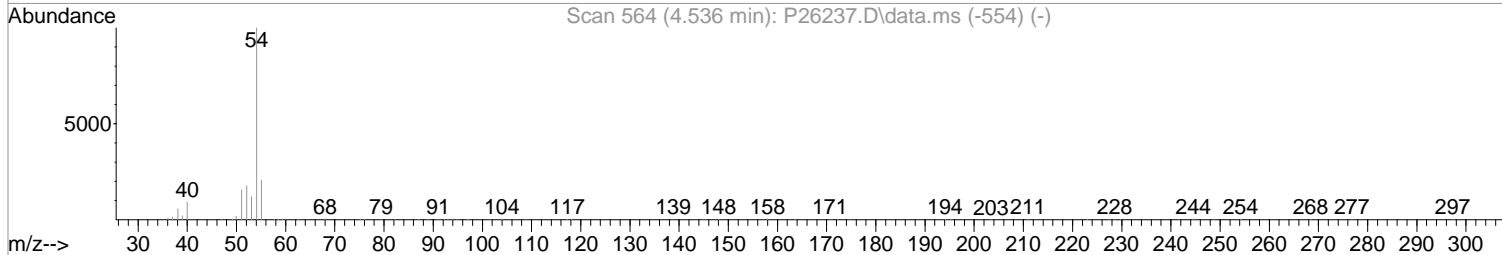
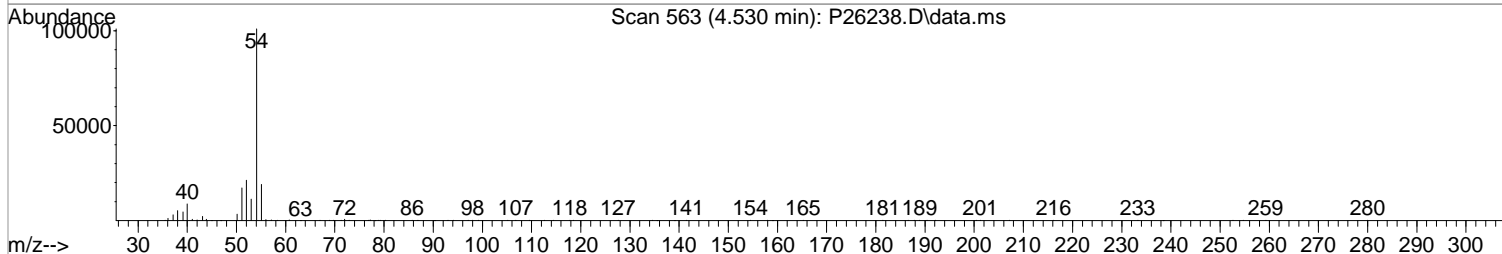
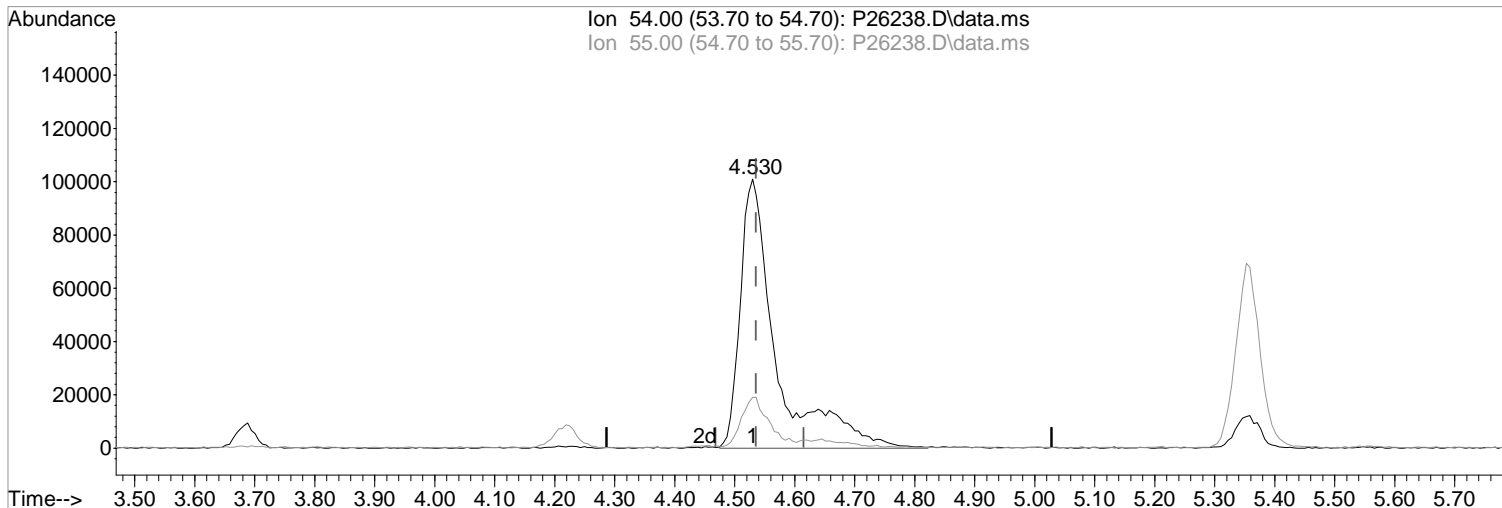
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(36) Propionitrile
4.530min (-0.006) 513.19 ppb m
response 420510

Manual Integration:

After

Poor integration.

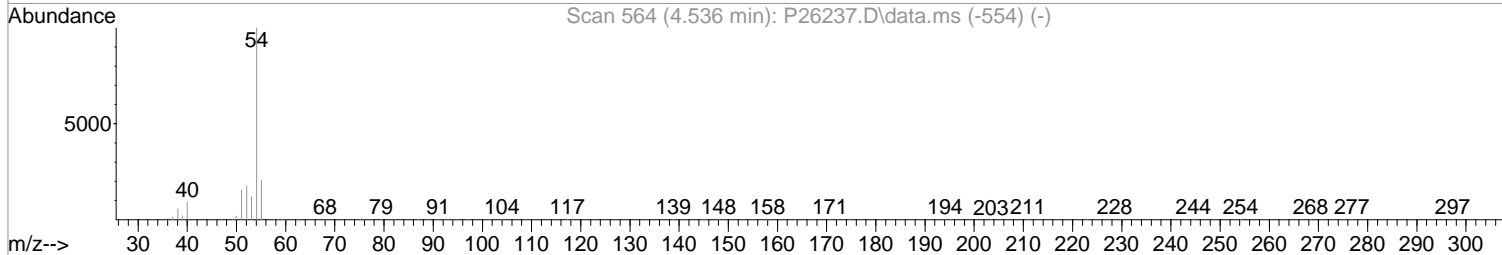
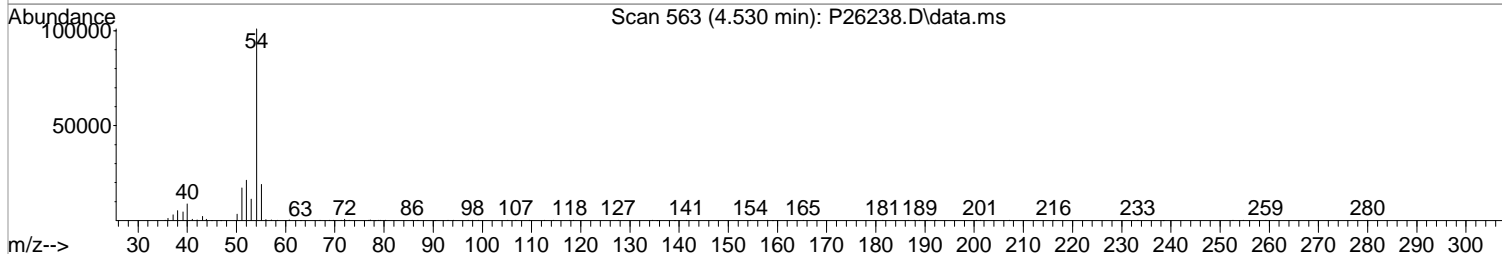
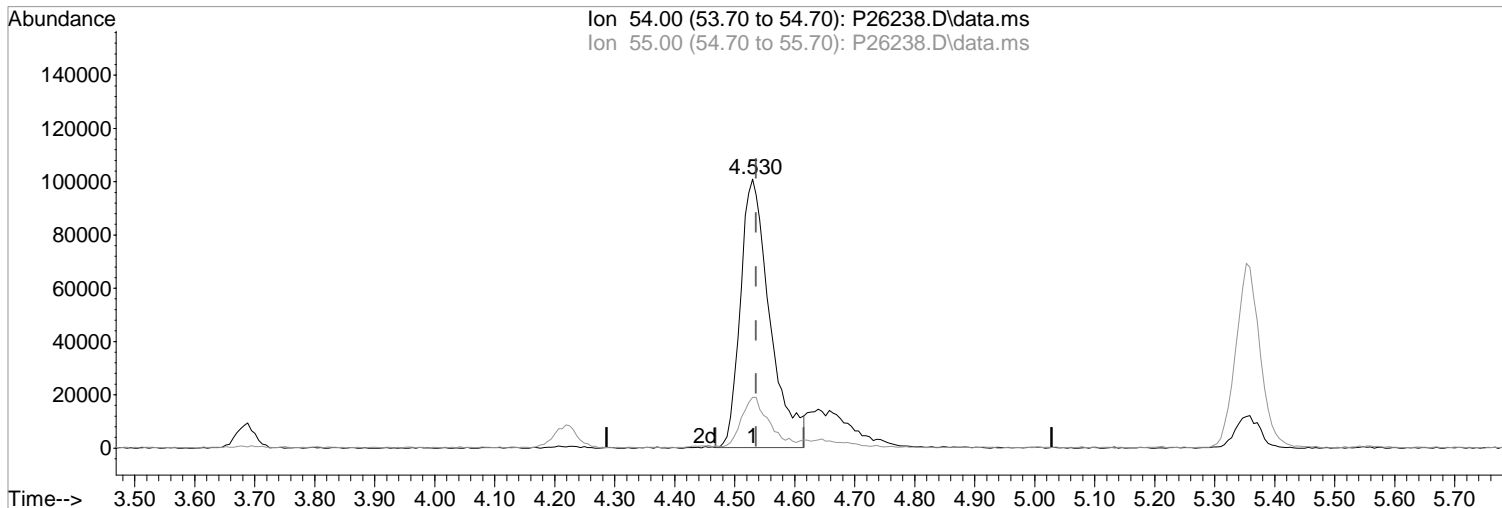
05/01/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(36) Propionitrile
4.530min (-0.006) 419.24 ppb
response 343526

Manual Integration:
Before

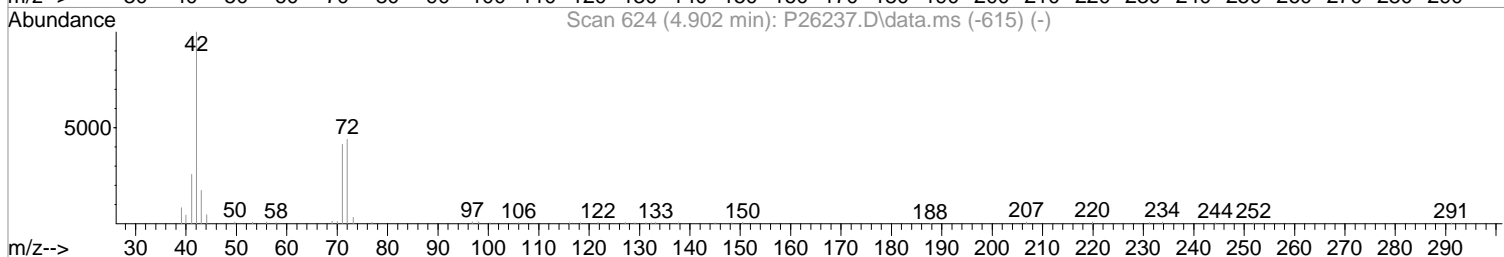
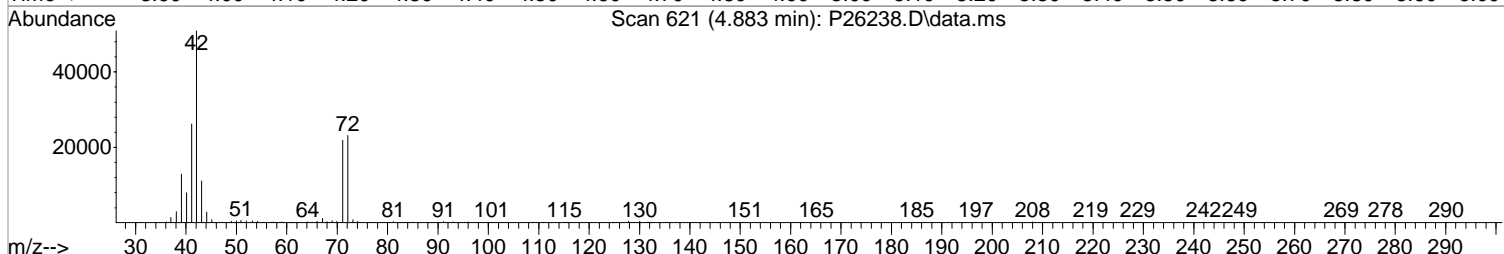
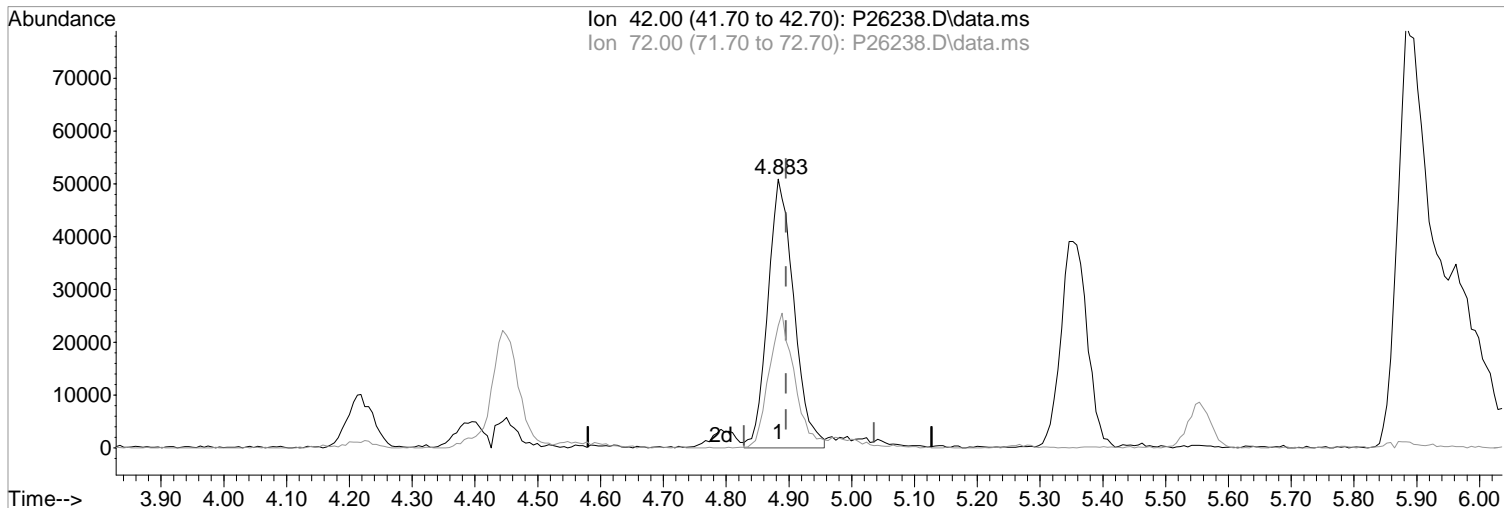
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(39) Tetrahydrofuran

4.883min (-0.012) 93.50 ppb m

response 146028

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

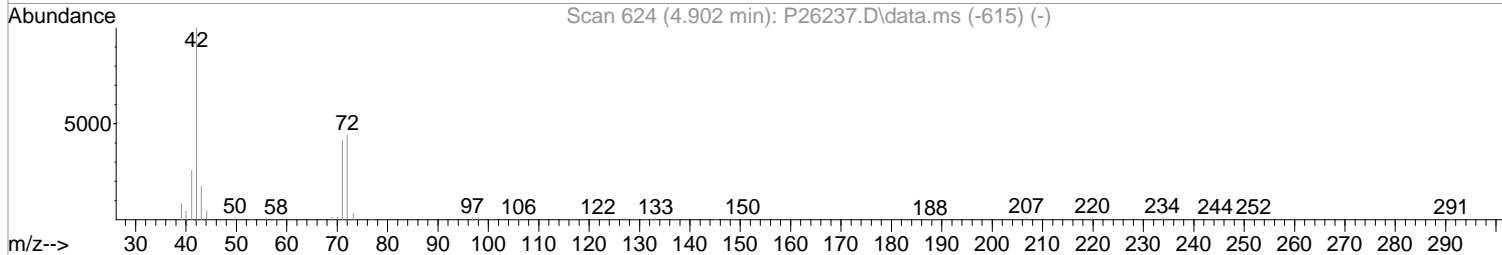
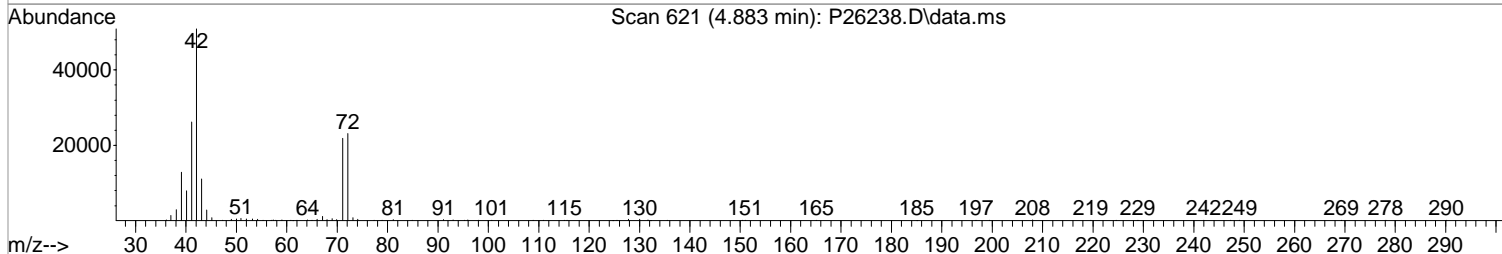
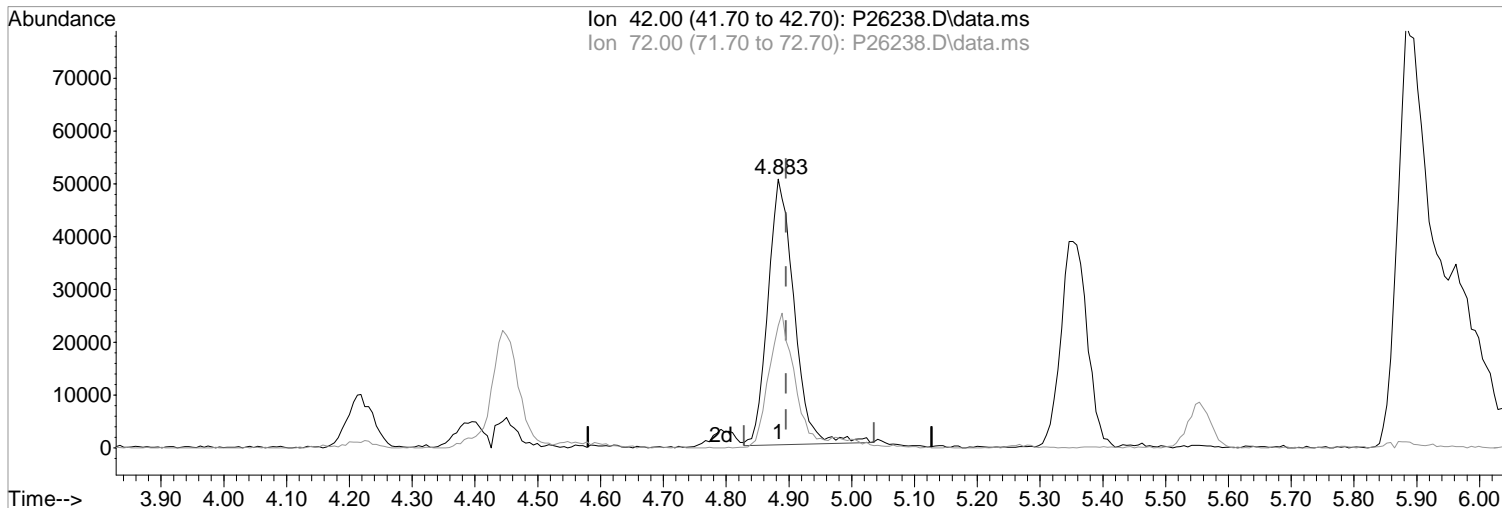
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.883min (-0.012) 92.81 ppb
response 144947

Manual Integration:
Before

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.401	168	415332	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.486	114	569847	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	524990	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	342851	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	330049	100.74	ppb	-0.01	
Spiked Amount	50.000	Range 89 - 119	Recovery =	201.48%#			
48) surr1,1,2-dichloroetha...	5.785	65	347222	97.14	ppb	-0.01	
Spiked Amount	50.000	Range 73 - 125	Recovery =	194.28%#			
65) SURR3,Toluene-d8	8.297	98	1325620	97.46	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	194.92%#			
70) SURR2,BFB	10.864	95	522021	98.21	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	196.42%#			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	386150	98.73	ppb		99
3) Chloromethane	1.329	50	338516	95.30	ppb		97
4) Vinyl Chloride	1.402	62	431647	98.87	ppb		99
5) Bromomethane	1.634	94	360295	82.61	ppb		100
6) Chloroethane	1.707	64	336086	93.59	ppb		99
7) Freon 21	1.853	67	644096	102.34	ppb		100
8) Trichlorofluoromethane	1.902	101	562485	103.61	ppb		97
9) Diethyl Ether	2.140	59	283352	90.06	ppb		95
10) Freon 123a	2.140	67	350871	90.95	ppb		94
11) Freon 123	2.195	83	412578	91.56	ppb		98
12) Acrolein	2.237	56	347922	465.52	ppb		97
13) 1,1-Dicethene	2.329	96	310474	89.90	ppb		97
14) Freon 113	2.329	101	289647	94.73	ppb		91
15) Acetone	2.371	43	148478	89.10	ppb		98
16) 2-Propanol	2.512	45	953242m	2213.99	ppb		
17) Iodomethane	2.457	142	488332	127.06	ppb		99
18) Carbon Disulfide	2.518	76	805430	96.82	ppb		98
19) Acetonitrile	2.621	40	90669	467.44	ppb		85
20) Allyl Chloride	2.658	76	145982	80.80	ppb		96
21) Methyl Acetate	2.682	43	382775	106.48	ppb		95
22) Methylene Chloride	2.774	84	341153	88.18	ppb		97
23) TBA	2.914	59	1718122m	2166.30	ppb		
24) Acrylonitrile	3.030	53	876856	483.98	ppb		98
25) Methyl-t-Butyl Ether	3.079	73	1203902	95.98	ppb		100
26) trans-1,2-Dichloroethene	3.066	96	363180	95.91	ppb		96
28) 1,1-Dicethane	3.560	63	590286	95.35	ppb		99
29) Vinyl Acetate	3.658	86	92617	119.75	ppb	#	92
30) DIPE	3.694	45	892736	92.08	ppb		97
31) 2-Chloro-1,3-Butadiene	3.688	53	426550	91.56	ppb		96
32) ETBE	4.219	59	985444	92.10	ppb		99
33) 2,2-Dichloropropane	4.389	77	554576	97.88	ppb		98
34) cis-1,2-Dichloroethene	4.402	96	408079	91.21	ppb		90
35) 2-Butanone	4.450	43	214845	93.56	ppb		98
36) Propionitrile	4.530	54	420510m	513.19	ppb		
37) Bromochloromethane	4.798	130	299144	99.63	ppb		92
38) Methacrylonitrile	4.798	67	204977	91.22	ppb		100
39) Tetrahydrofuran	4.883	42	146028m	93.50	ppb		
40) Chloroform	4.975	83	603537	91.85	ppb		99
41) 1,1,1-Trichloroethane	5.267	97	585394	95.59	ppb		97

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.108	73	1060632	94.22	ppb	98
44) Cyclohexane	5.353	41	279041	90.88	ppb	97
46) Carbontetrachloride	5.542	117	516250	104.21	ppb	97
47) 1,1-Dichloropropene	5.554	75	449746	98.04	ppb	99
49) Benzene	5.871	78	1420804	96.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	493096	94.21	ppb	97
51) Iso-Butyl Alcohol	5.895	43	680168	2143.43	ppb	92
52) n-Heptane	6.358	43	378514	96.39	ppb	96
53) 1-Butanol	6.846	56	1202499	5555.76	ppb	100
54) Trichloroethene	6.810	130	462479	100.78	ppb	98
55) Methylcyclohexane	7.053	55	406273	94.79	ppb	88
56) 1,2-Diclpropane	7.090	63	347062	98.01	ppb	93
57) Dibromomethane	7.230	93	257087	103.11	ppb	97
58) 1,4-Dioxane	7.309	88	203194	2109.42	ppb	99
59) Methyl Methacrylate	7.322	69	350027	100.03	ppb	89
60) Bromodichloromethane	7.456	83	479750	97.63	ppb	97
61) 2-Nitropropane	7.742	41	276427	217.27	ppb	96
62) 2-Chloroethylvinyl Ether	7.864	63	261696	104.16	ppb	96
63) cis-1,3-Dichloropropene	8.004	75	619817	97.74	ppb	95
64) 4-Methyl-2-pentanone	8.206	43	451080	100.86	ppb	98
66) Toluene	8.370	91	1657946	99.27	ppb	98
67) trans-1,3-Dichloropropene	8.638	75	588239	103.82	ppb	100
68) Ethyl Methacrylate	8.785	69	610742	100.44	ppb	96
69) 1,1,2-Trichloroethane	8.827	97	391028	97.68	ppb	97
72) Tetrachloroethene	8.968	164	392615	104.02	ppb	99
73) 2-Hexanone	9.120	43	352719	100.04	ppb	98
74) 1,3-Dichloropropane	8.998	76	619967	97.69	ppb	98
75) Dibromochloromethane	9.224	129	477050	103.69	ppb	96
76) N-Butyl Acetate	9.273	43	669595	99.58	ppb	96
77) 1,2-Dibromoethane	9.321	107	432867	102.14	ppb	97
78) Chlorobenzene	9.815	112	1165538	100.99	ppb	97
79) 3-CBTF	9.833	180	682029	102.91	ppb	96
80) 4-CBTF	9.888	180	591447	98.36	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.900	131	447440	99.92	ppb	97
82) Ethylbenzene	9.937	106	631292	101.18	ppb	93
83) (m+p)Xylene	10.047	106	1580407	204.57	ppb	100
84) o-Xylene	10.406	106	791061	101.13	ppb	94
85) Styrene	10.419	104	1306702	106.89	ppb	99
87) Bromoform	10.571	173	418679	105.30	ppb	100
88) 2-CBTF	10.650	180	706668	93.68	ppb	97
89) Isopropylbenzene	10.742	105	1933207	89.65	ppb	97
90) Cyclohexanone	10.809	55	2012430	1870.44	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	155475	87.37	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	583904	89.61	ppb	99
93) Bromobenzene	10.986	156	622113	95.68	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	224956	91.97	ppb	97
95) n-Propylbenzene	11.095	91	2088318	89.31	ppb	97
96) 2-Chlorotoluene	11.162	91	1305380	89.76	ppb	99
97) 3-Chlorotoluene	11.211	91	1206570	87.80	ppb	99
98) 4-Chlorotoluene	11.254	91	1510979	90.88	ppb	97
99) 1,3,5-Trimethylbenzene	11.248	105	1677287	92.60	ppb	100
100) tert-Butylbenzene	11.522	119	1562209	94.40	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	1689152	93.77	ppb	99
102) 3,4-DCBTF	11.626	214	643043	99.95	ppb	98
103) sec-Butylbenzene	11.705	105	2117253	91.42	ppb	100
104) p-Isopropyltoluene	11.827	119	1916732	95.15	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

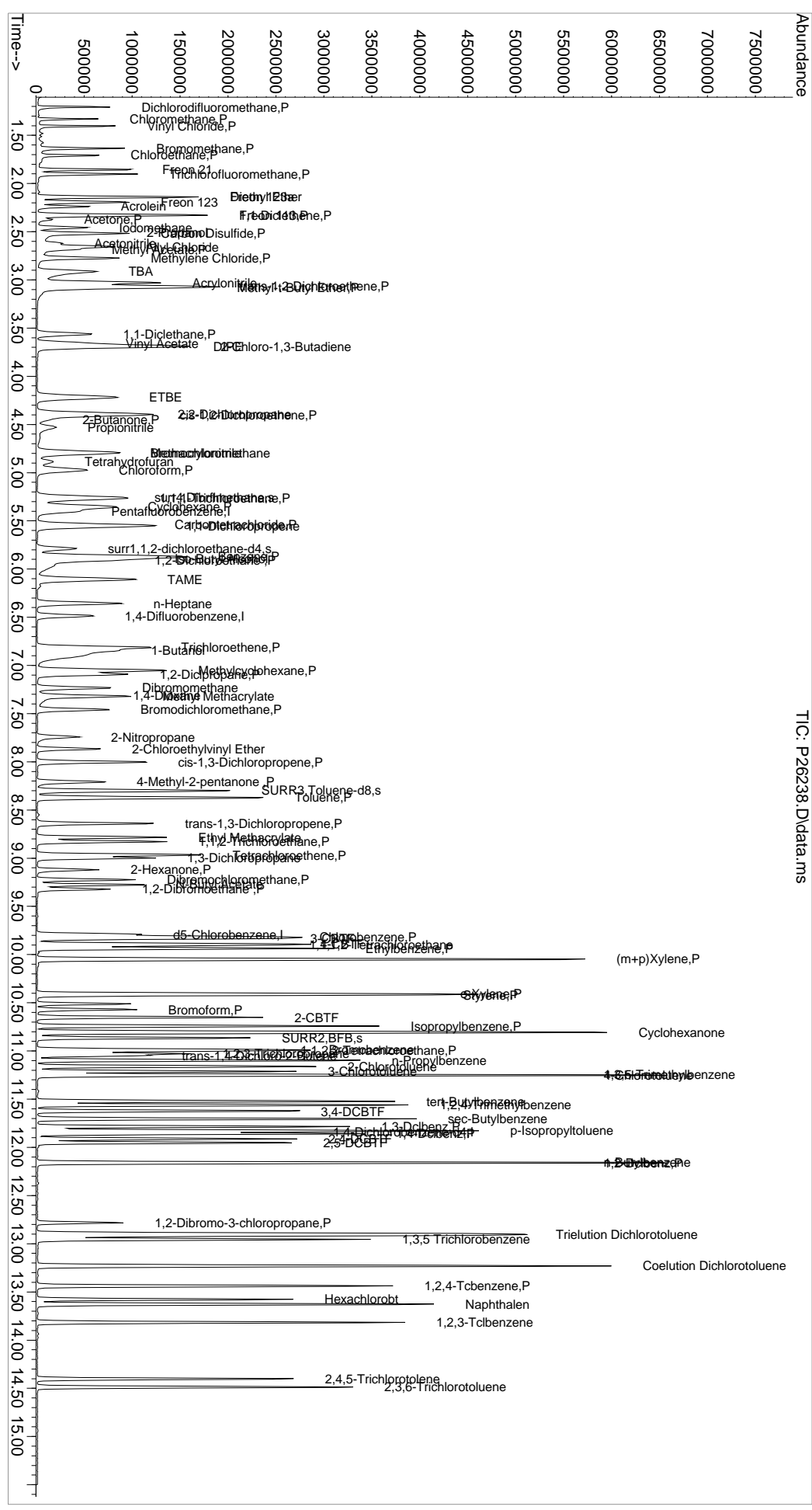
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1121880	96.62	ppb	99
106) 1,4-Dclbenz	11.857	146	1141785	96.13	ppb	97
107) 2,4-DCBTF	11.912	214	590879	101.97	ppb	98
108) 2,5-DCBTF	11.955	214	655945	101.83	ppb	98
109) n-Butylbenzene	12.156	91	1554972	92.78	ppb	99
110) 1,2-Dclbenz	12.162	146	1123476	97.13	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	239271	103.55	ppb	99
112) Trielution Dichlorotol...	12.900	125	2733197	281.39	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	906525	98.67	ppb	99
114) Coelution Dichlorotoluene	13.229	125	2035206	187.80	ppb	99
115) 1,2,4-Tcbenzene	13.436	180	1014016	105.17	ppb	98
116) Hexachlorobt	13.577	225	425443	102.14	ppb	97
117) Naphthalen	13.625	128	2732682	97.86	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	1030928	100.89	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	617627	99.86	ppb	99
120) 2,3,6-Trichlorotoluene	14.485	159	724623	99.81	ppb	99

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

1st 05/01/19

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb
 Conc : 8260/624 ICAL
 Vial : 7 Sample Multiplier: 1
 Inst : MSVOA-12

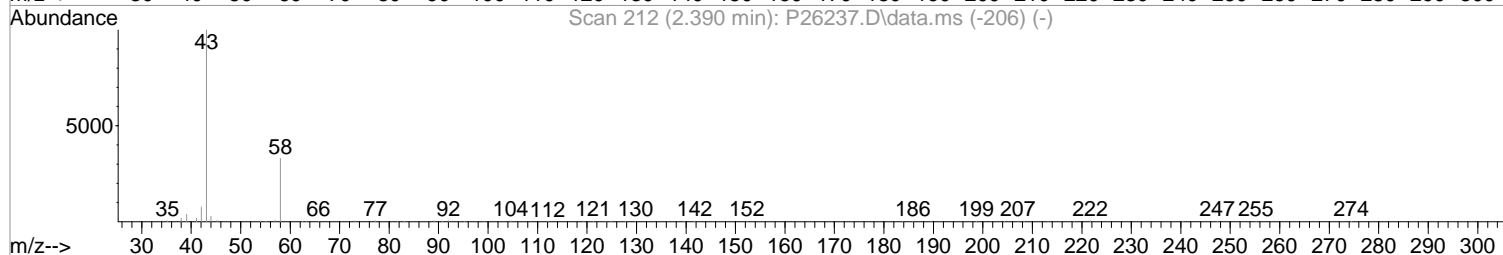
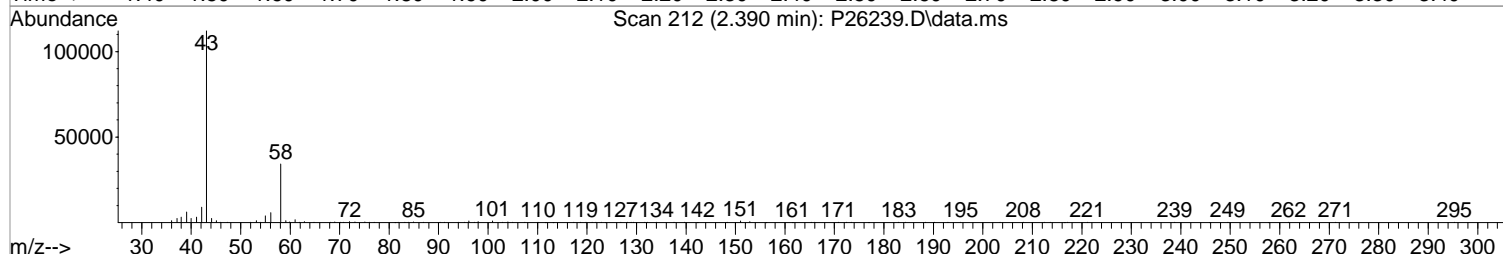
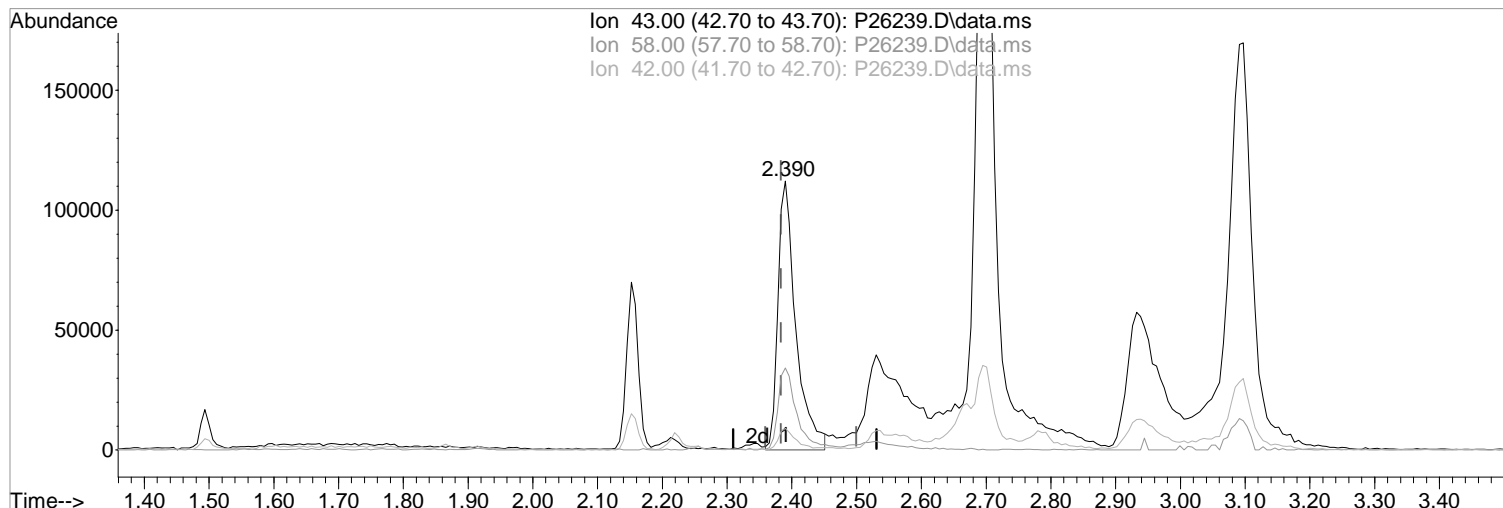
Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 121.19 ppb m
response 214264

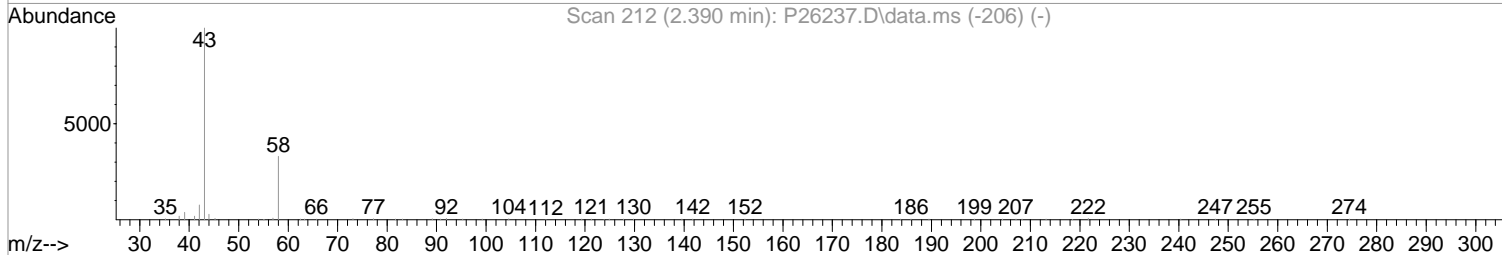
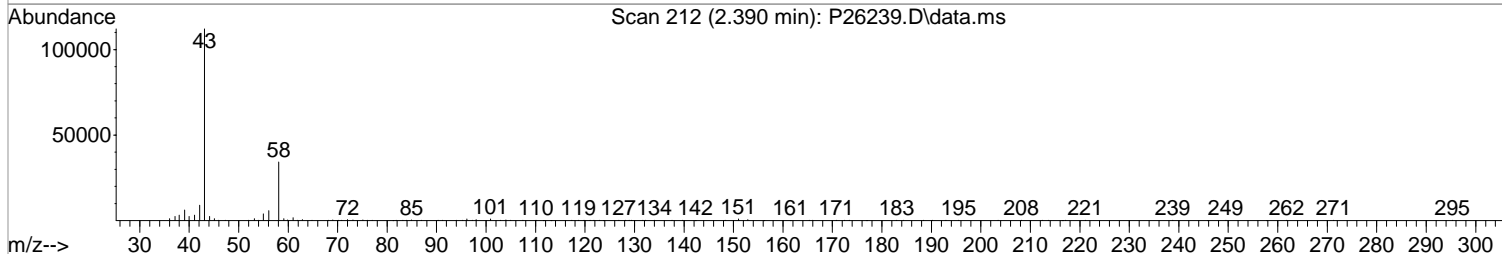
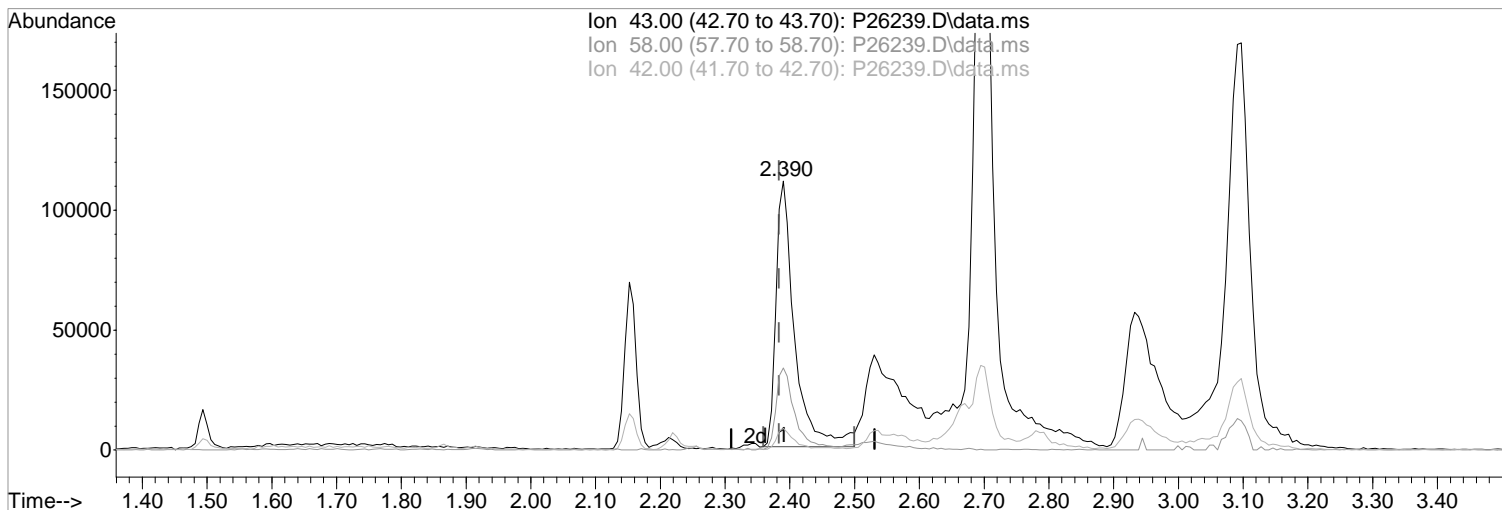
Manual Integration:
After
Poor integration.
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 124.87 ppb
response 220779

Manual Integration:

Before

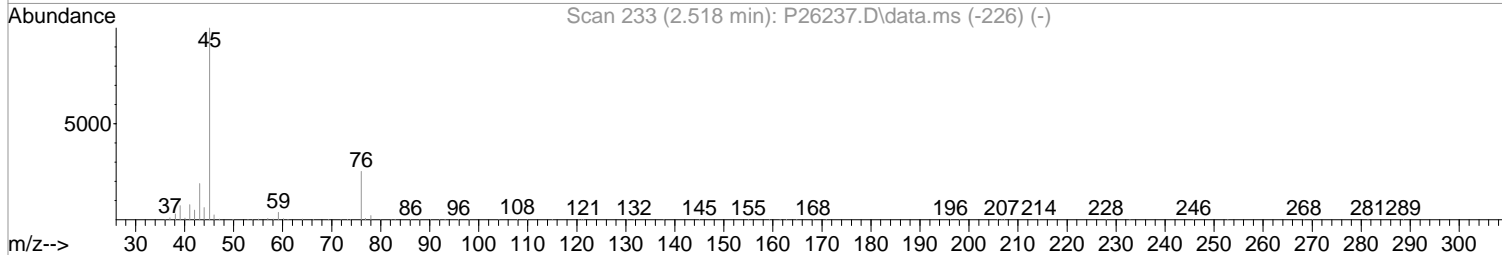
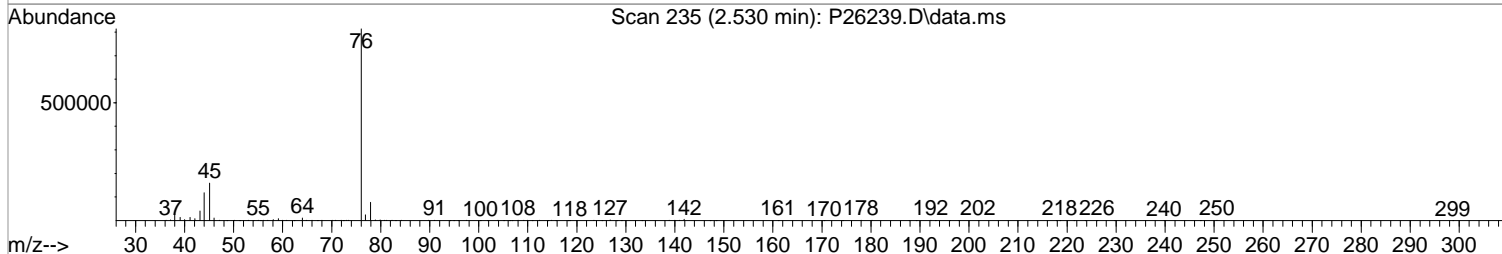
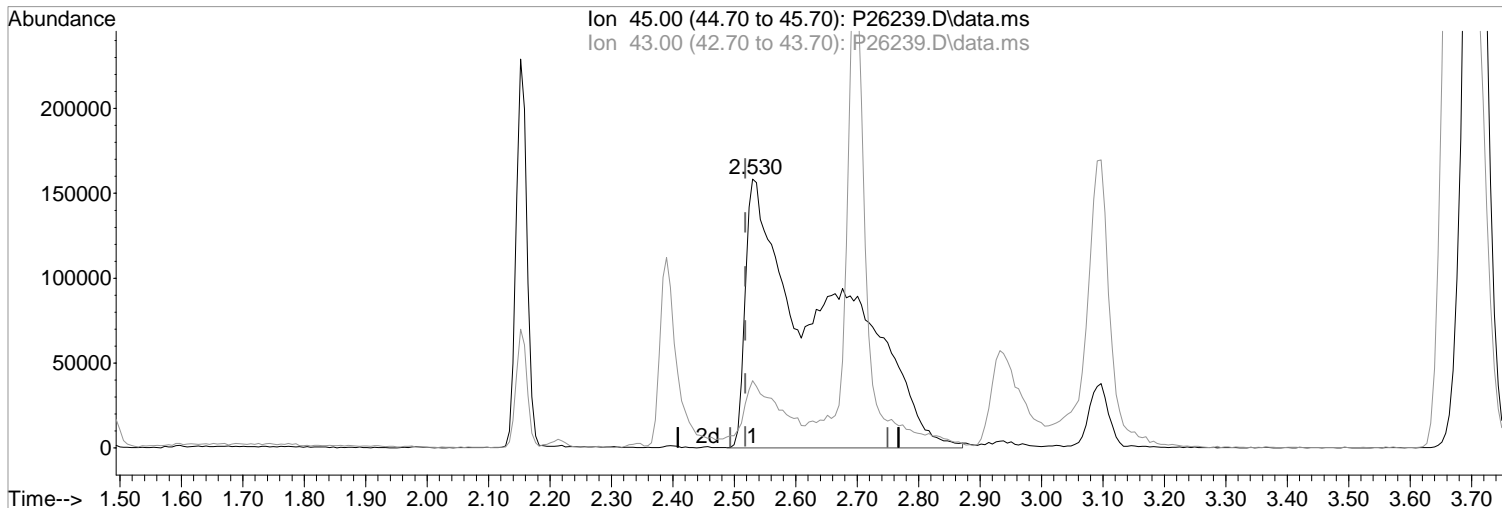
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.530min (+0.012) 3212.71 ppb m
response 1467659

Manual Integration:

After

Poor integration.

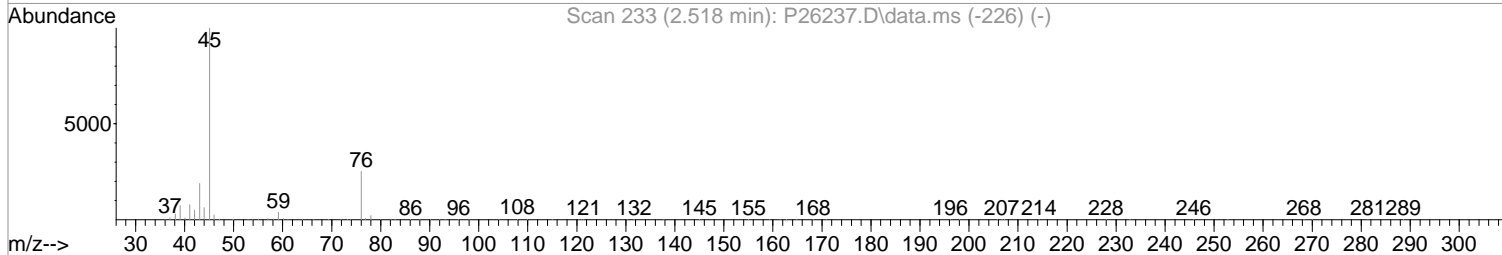
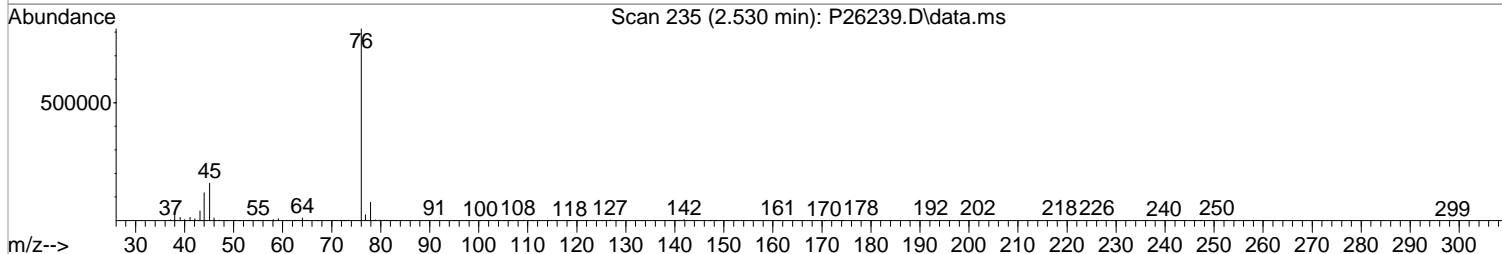
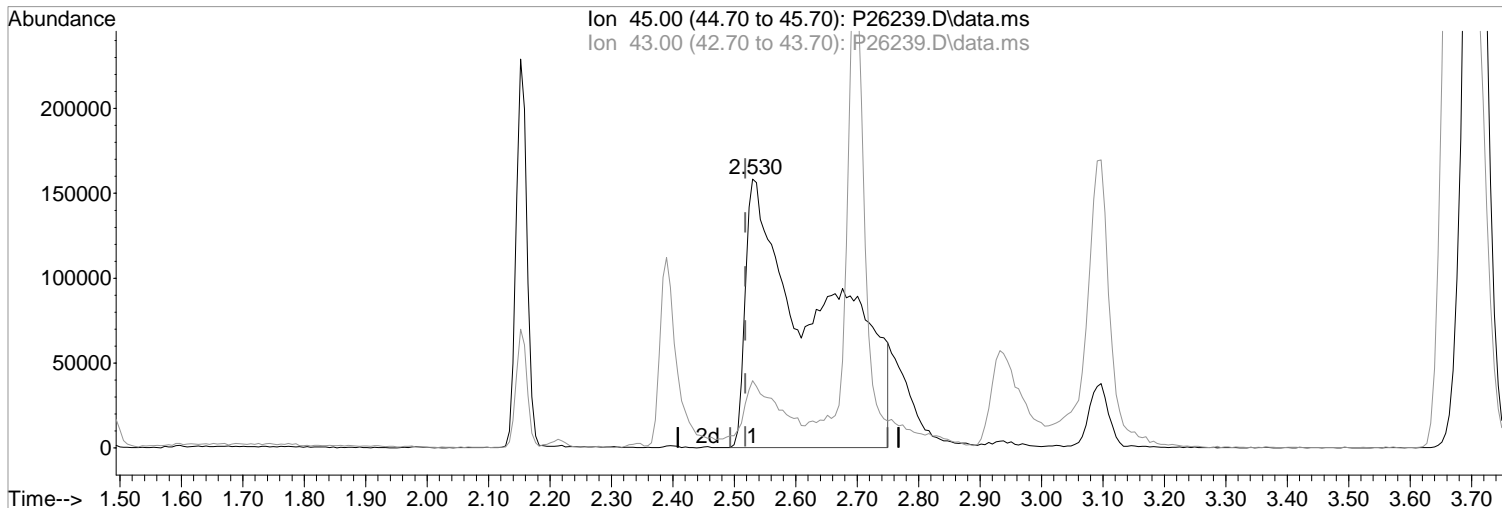
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.530min (+0.012) 2895.82 ppb
response 1322898

Manual Integration:
Before

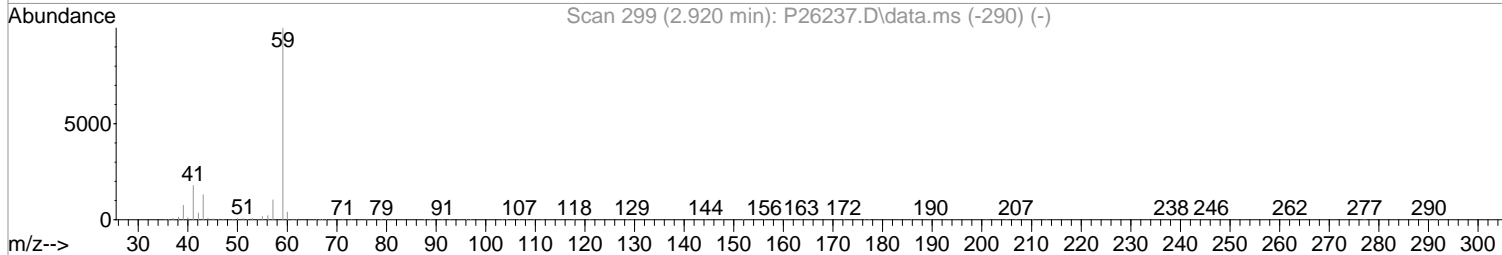
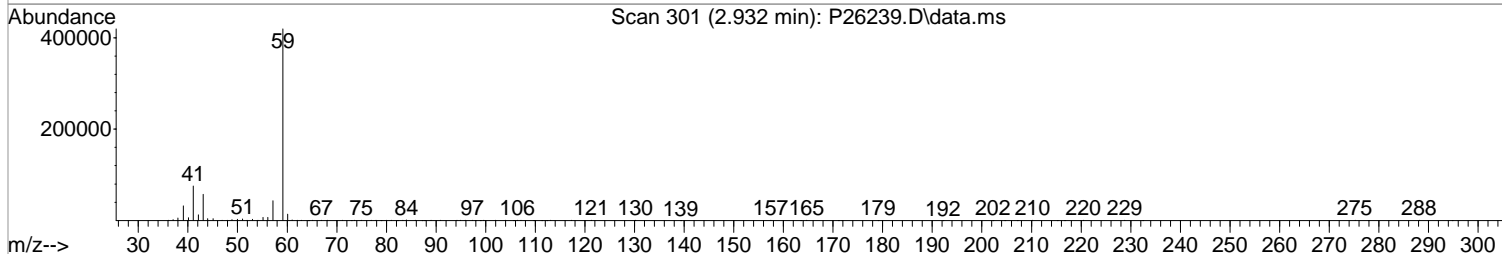
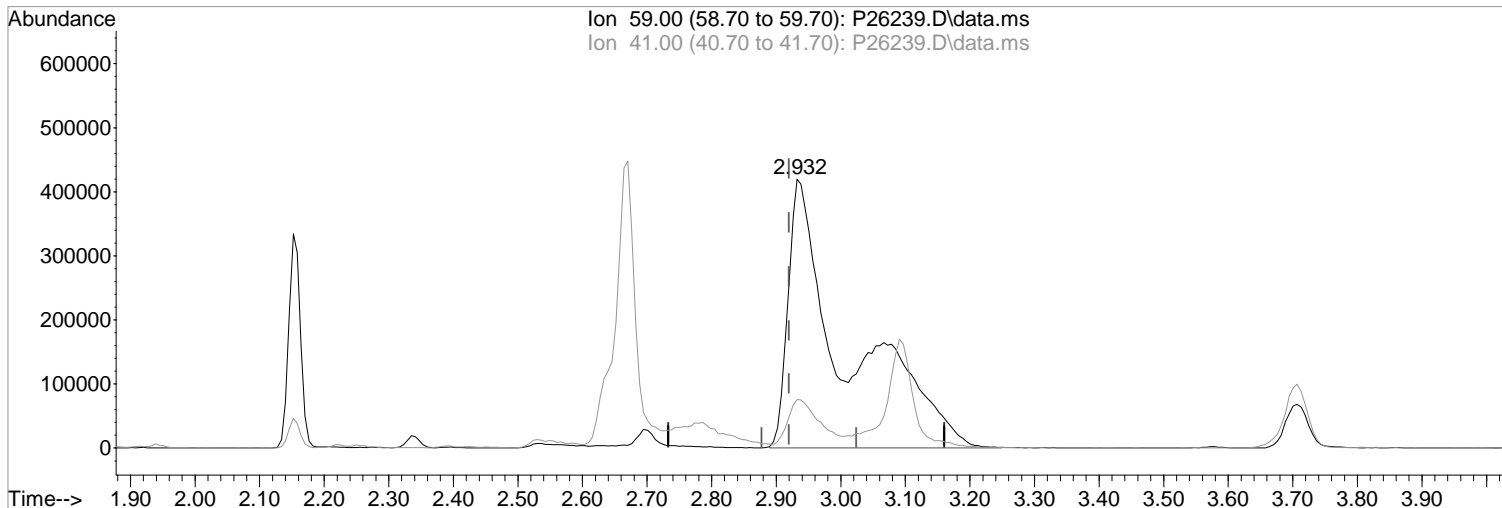
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(23) TBA

2.932min (+0.012) 3109.97 ppb m

response 2617087

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

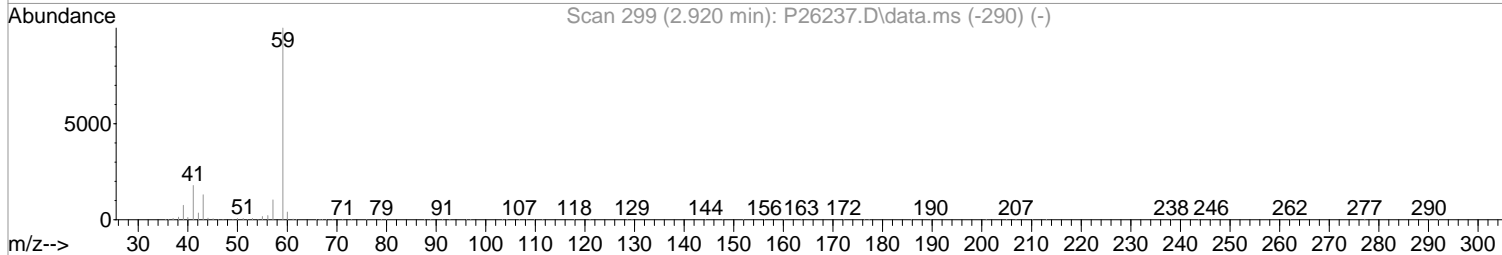
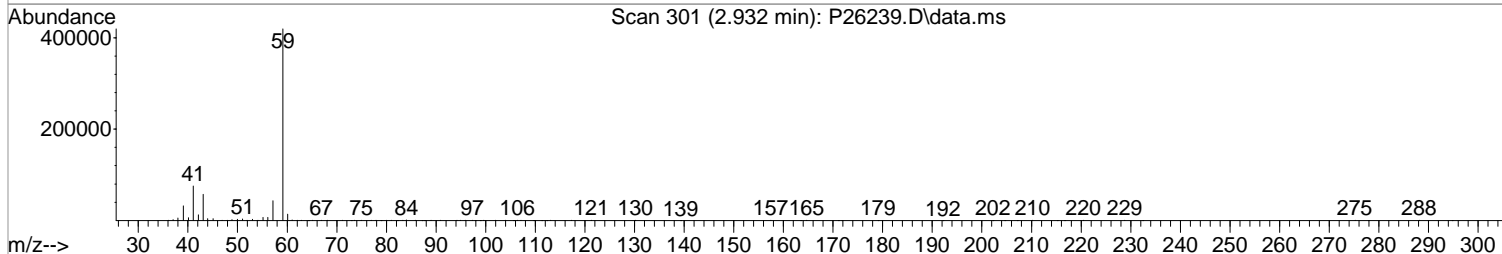
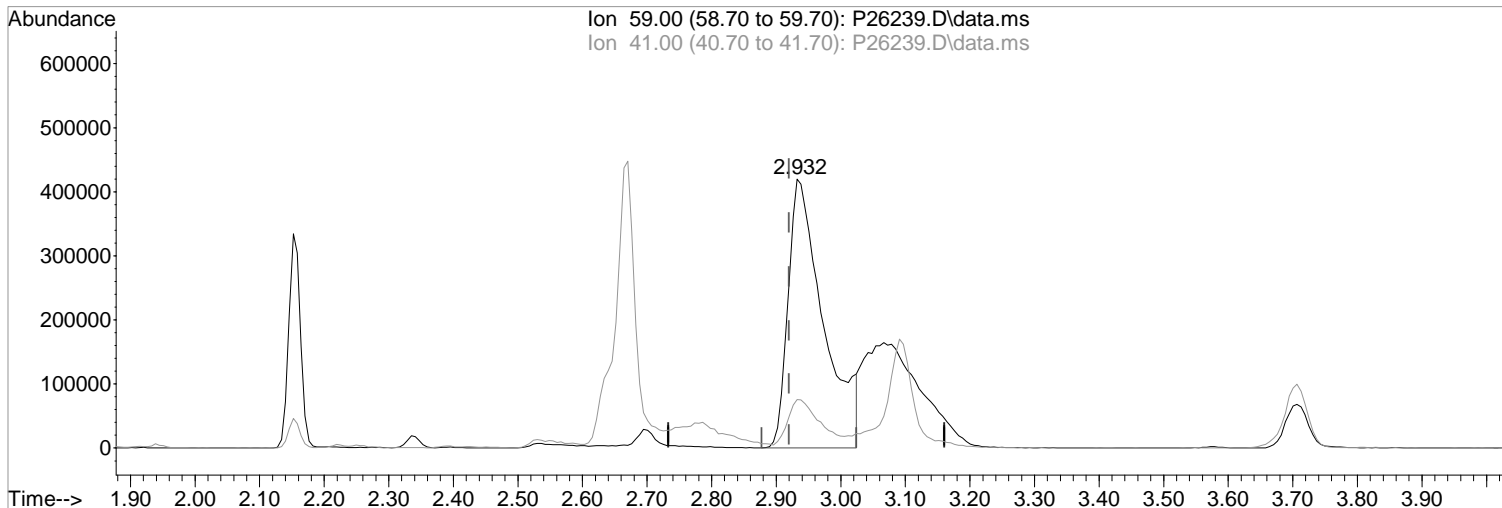
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(23) TBA

2.932min (+0.012) 1886.88 ppb

response 1587840

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

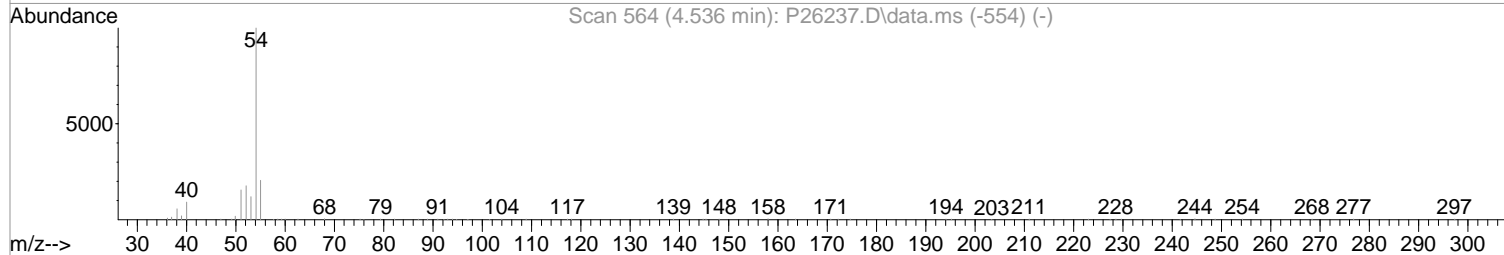
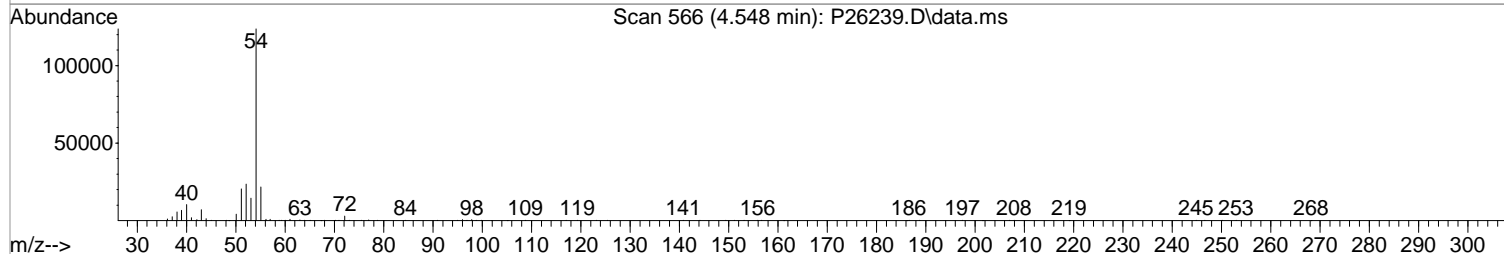
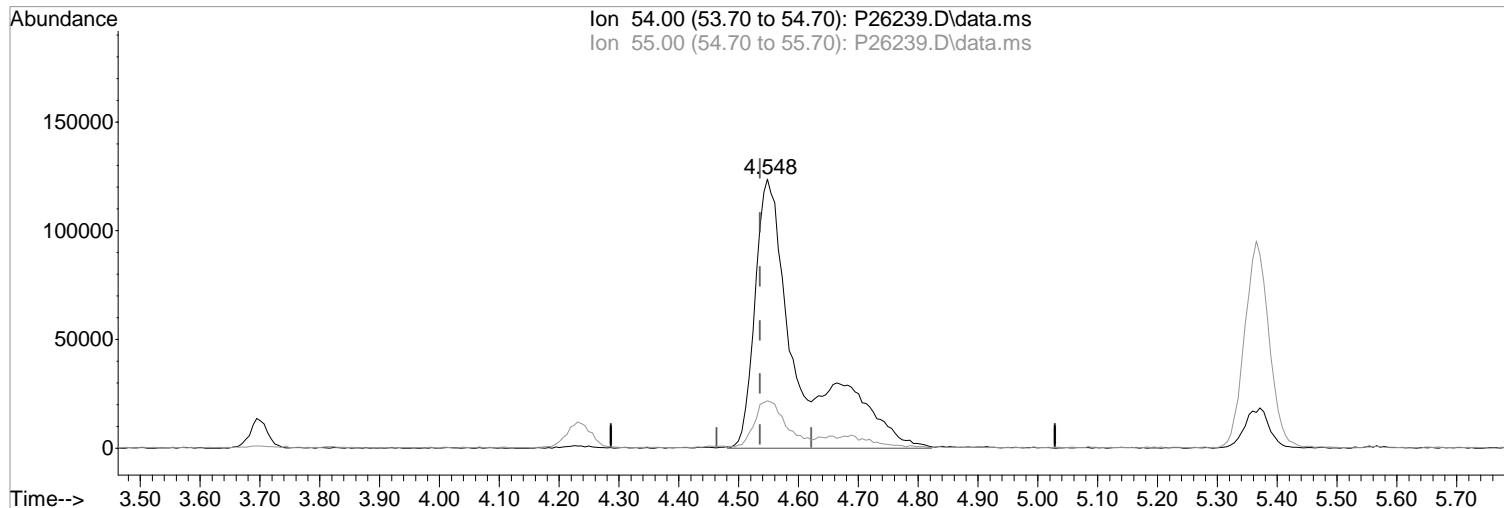
Before

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(36) Propionitrile
4.548min (+0.012) 727.93 ppb m
response 632876

Manual Integration:

After

Poor integration.

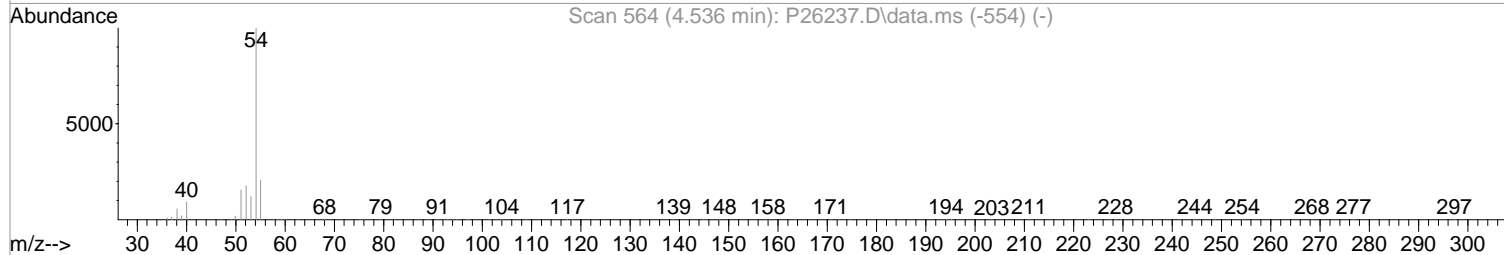
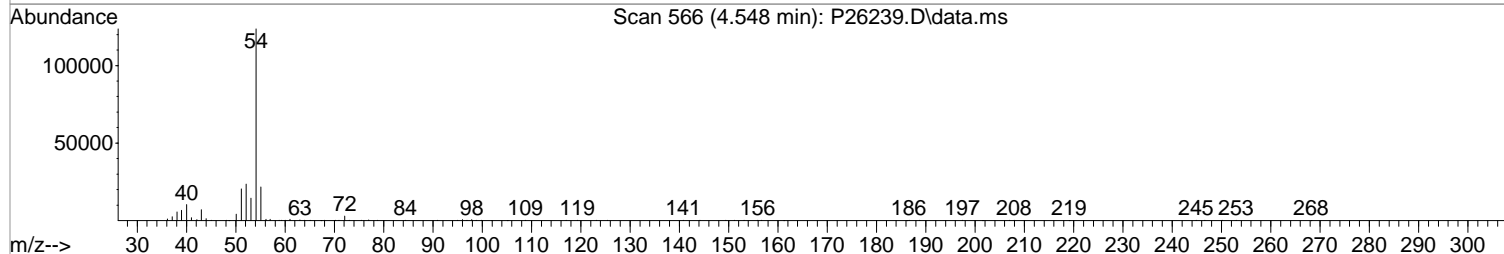
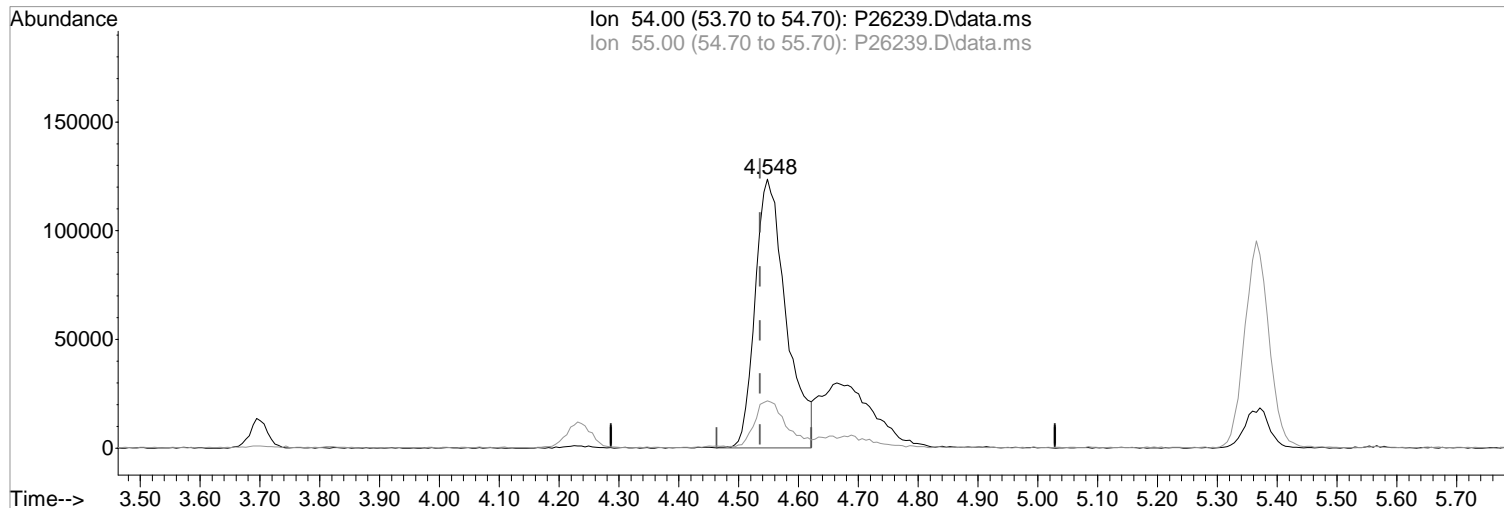
05/01/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(36) Propionitrile
4.548min (+0.012) 511.36 ppb
response 444588

Manual Integration:
Before

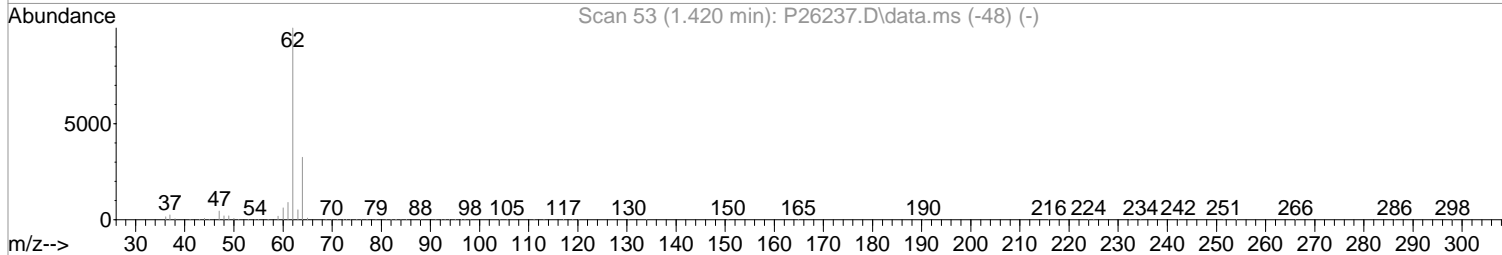
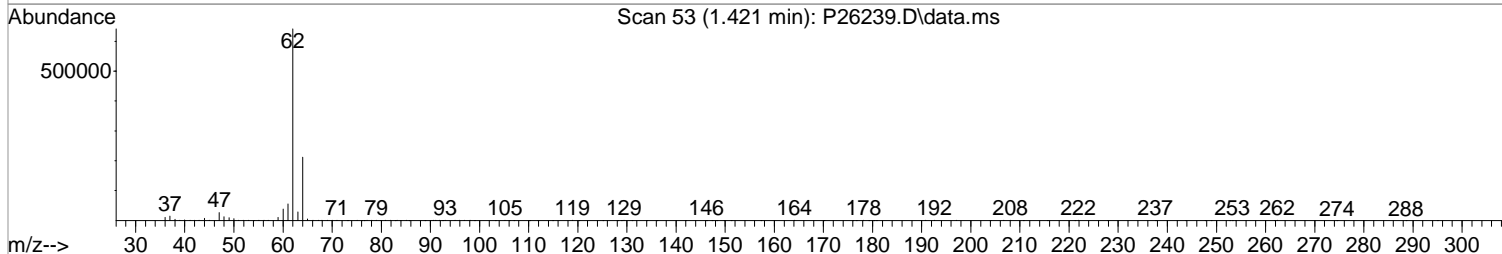
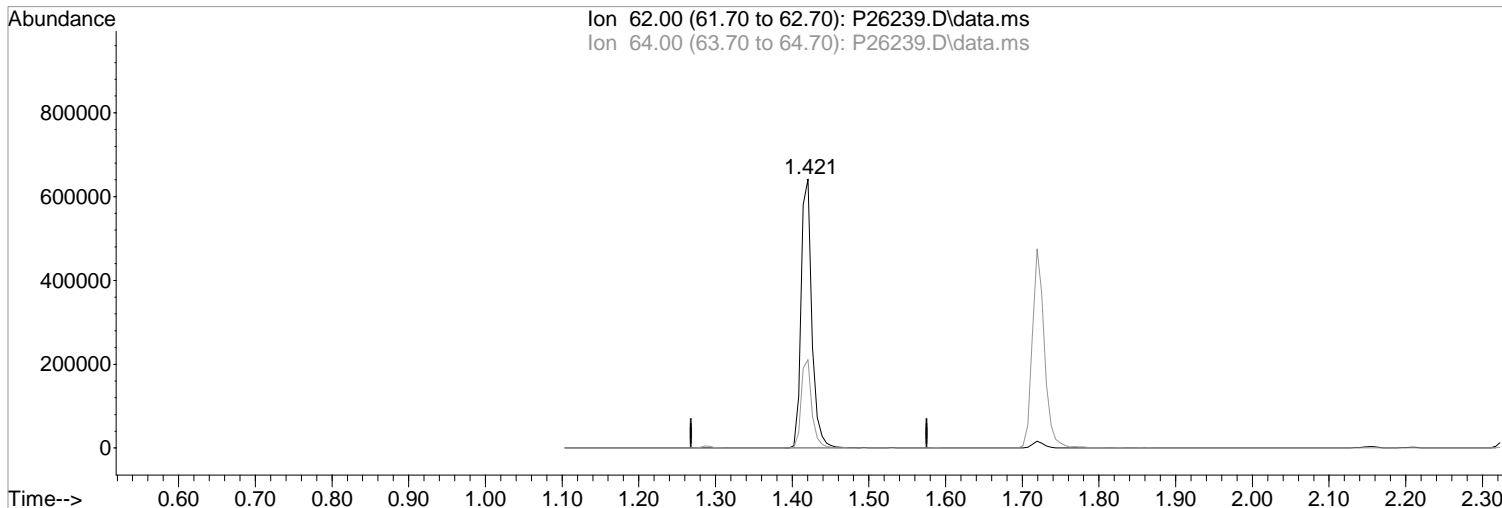
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)
1.421min (+0.006) 135.90 ppb m
response 629537

Manual Integration:

After

Peak not found.

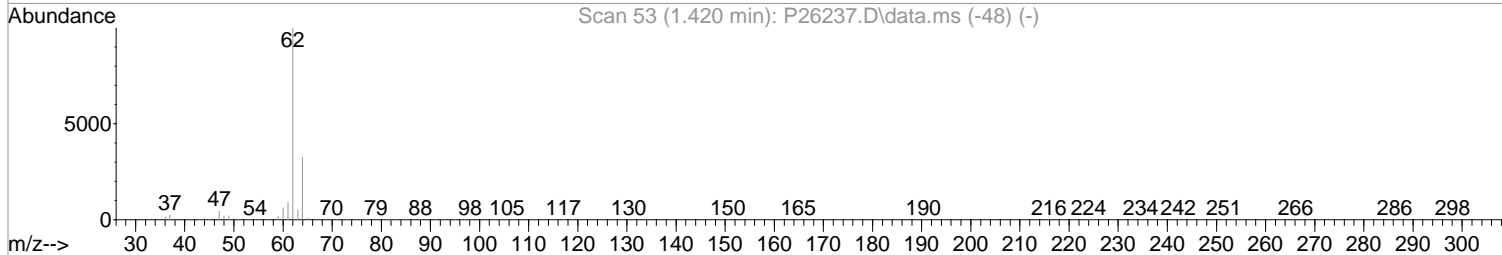
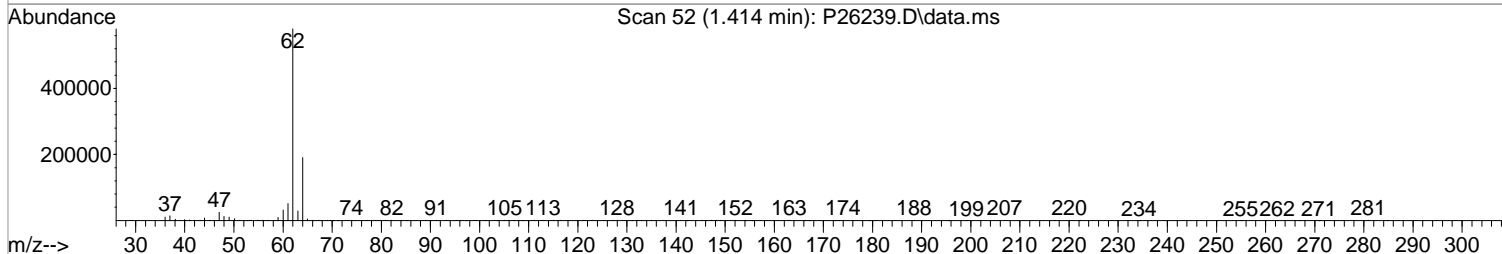
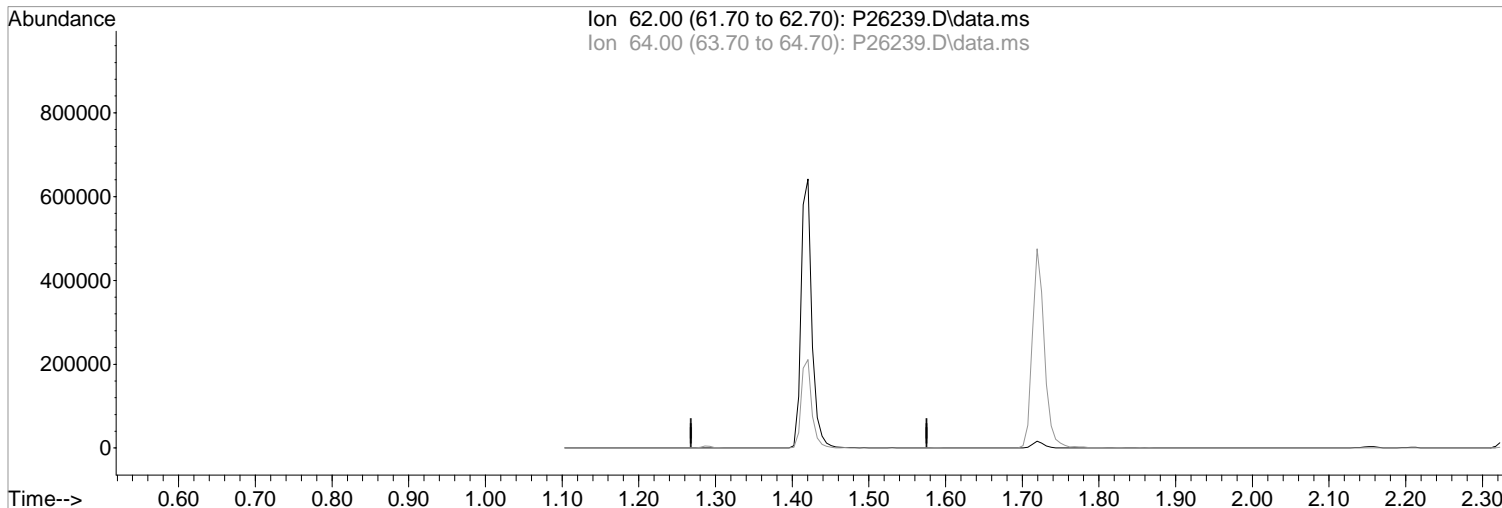
05/01/19

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	32.94
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)

1.414min (-1.414) 0.00 ppb
response 0

Ion	Exp%	Act%
62.00	100	0.00
64.00	32.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	440679	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	575942	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	522596	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	328205	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	624790	188.69	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	377.38%#			
48) surr1,1,2-dichloroetha...	5.798	65	646357	178.92	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	357.84%#			
65) SURR3,Toluene-d8	8.303	98	2421710	176.17	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	352.34%#			
70) SURR2,BFB	10.864	95	959930	178.69	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	357.38%#			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	579961	139.75	ppb		98
3) Chloromethane	1.341	50	485692	128.87	ppb		96
4) Vinyl Chloride	1.421	62	629537m	135.90	ppb		
5) Bromomethane	1.646	94	535398	115.70	ppb		98
6) Chloroethane	1.719	64	521739	136.93	ppb		98
7) Freon 21	1.866	67	1030094	154.26	ppb		99
8) Trichlorofluoromethane	1.914	101	826823	143.55	ppb		97
9) Diethyl Ether	2.152	59	423423	126.84	ppb		97
10) Freon 123a	2.152	67	501085	122.41	ppb		97
11) Freon 123	2.207	83	624297	130.57	ppb		98
12) Acrolein	2.256	56	510617	643.91	ppb		95
13) 1,1-Dicethene	2.341	96	481937	131.53	ppb		90
14) Freon 113	2.341	101	444186	136.92	ppb		83
15) Acetone	2.390	43	214264m	121.19	ppb		
16) 2-Propanol	2.530	45	1467659m	3212.71	ppb		
17) Iodomethane	2.469	142	801095	196.45	ppb		98
18) Carbon Disulfide	2.530	76	1185186	134.27	ppb		100
19) Acetonitrile	2.640	40	84593	411.03	ppb	#	80
20) Allyl Chloride	2.670	76	267896	139.74	ppb		95
21) Methyl Acetate	2.695	43	596472	156.38	ppb		95
22) Methylene Chloride	2.786	84	503688	122.71	ppb		96
23) TBA	2.932	59	2617087m	3109.97	ppb		
24) Acrylonitrile	3.042	53	1249419	649.95	ppb		98
25) Methyl-t-Butyl Ether	3.091	73	1728574	129.88	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	531096	132.18	ppb		95
28) 1,1-Dicethane	3.573	63	842249	128.22	ppb		99
29) Vinyl Acetate	3.670	86	123500	150.49	ppb		99
30) DIPE	3.707	45	1349553	131.20	ppb		97
31) 2-Chloro-1,3-Butadiene	3.701	53	610052	123.42	ppb		94
32) ETBE	4.231	59	1476667	130.07	ppb		99
33) 2,2-Dichloropropane	4.408	77	791020	131.58	ppb		97
34) cis-1,2-Dichloroethene	4.414	96	587429	123.75	ppb		91
35) 2-Butanone	4.463	43	300865	123.49	ppb		98
36) Propionitrile	4.548	54	632876m	727.93	ppb		
37) Bromochloromethane	4.804	130	438568	137.66	ppb		95
38) Methacrylonitrile	4.810	67	310197	130.10	ppb		98
39) Tetrahydrofuran	4.902	42	208386	125.75	ppb		93
40) Chloroform	4.987	83	865776	124.18	ppb		99
41) 1,1,1-Trichloroethane	5.279	97	840804	129.40	ppb		97

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : 8260/624 ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	1590606	133.17	ppb	98
44) Cyclohexane	5.365	41	395012	127.29	ppb	94
46) Carbontetrachloride	5.554	117	759829	151.76	ppb	97
47) 1,1-Dichloropropene	5.566	75	637378	137.48	ppb	99
49) Benzene	5.877	78	2025034	135.68	ppb	100
50) 1,2-Dichloroethane	5.920	62	703350	132.95	ppb	97
51) Iso-Butyl Alcohol	5.901	43	1015180	3165.31	ppb	98
52) n-Heptane	6.365	43	529901	133.51	ppb	95
53) 1-Butanol	6.858	56	1887594	8628.73	ppb	99
54) Trichloroethene	6.816	130	672035	144.90	ppb	97
55) Methylcyclohexane	7.054	55	574010	132.51	ppb	90
56) 1,2-Diclpropane	7.096	63	495153	138.36	ppb	97
57) Dibromomethane	7.236	93	368273	146.14	ppb	91
58) 1,4-Dioxane	7.328	88	305304	3135.92	ppb	94
59) Methyl Methacrylate	7.328	69	507973	143.64	ppb	88
60) Bromodichloromethane	7.462	83	699795	140.90	ppb	96
61) 2-Nitropropane	7.749	41	403400	313.71	ppb	91
62) 2-Chloroethylvinyl Ether	7.870	63	377305	148.59	ppb	91
63) cis-1,3-Dichloropropene	8.005	75	878937	137.13	ppb	97
64) 4-Methyl-2-pentanone	8.212	43	650236	143.85	ppb	98
66) Toluene	8.376	91	2323309	137.64	ppb	96
67) trans-1,3-Dichloropropene	8.645	75	842265	147.08	ppb	97
68) Ethyl Methacrylate	8.785	69	871261	141.77	ppb	100
69) 1,1,2-Trichloroethane	8.834	97	562443	139.01	ppb	97
72) Tetrachloroethene	8.968	164	574896	153.01	ppb	98
73) 2-Hexanone	9.120	43	514991	146.73	ppb	99
74) 1,3-Dichloropropane	8.998	76	898160	142.17	ppb	98
75) Dibromochloromethane	9.224	129	691699	151.04	ppb	98
76) N-Butyl Acetate	9.279	43	951203	142.11	ppb	99
77) 1,2-Dibromoethane	9.321	107	624436	148.02	ppb	99
78) Chlorobenzene	9.815	112	1653110	143.89	ppb	98
79) 3-CBTF	9.833	180	1066522	161.66	ppb	97
80) 4-CBTF	9.888	180	935399	156.28	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.907	131	653500	146.61	ppb	98
82) Ethylbenzene	9.937	106	896109	144.27	ppb	92
83) (m+p)Xylene	10.053	106	2219596	288.62	ppb	93
84) o-Xylene	10.407	106	1110264	142.59	ppb	93
85) Styrene	10.419	104	1818733	149.45	ppb	98
87) Bromoform	10.571	173	602853	158.38	ppb	98
88) 2-CBTF	10.650	180	1055926	146.22	ppb	98
89) Isopropylbenzene	10.742	105	2666465	129.17	ppb	96
90) Cyclohexanone	10.809	55	2977154	2890.58	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	225035	132.10	ppb	92
92) 1,1,2,2-Tetrachloroethane	10.998	83	814529	130.58	ppb	99
93) Bromobenzene	10.986	156	861389	138.40	ppb	98
94) 1,2,3-Trichloropropane	11.028	110	319521	136.46	ppb	100
95) n-Propylbenzene	11.102	91	2874122	128.41	ppb	95
96) 2-Chlorotoluene	11.163	91	1799990	129.29	ppb	99
97) 3-Chlorotoluene	11.217	91	1836637	139.61	ppb	96
98) 4-Chlorotoluene	11.254	91	2020478	126.94	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	2301389	132.72	ppb	98
100) tert-Butylbenzene	11.522	119	2158547	136.26	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	2331903	135.22	ppb	96
102) 3,4-DCBTF	11.626	214	947031	153.77	ppb	97
103) sec-Butylbenzene	11.705	105	2896587	130.65	ppb	99
104) p-Isopropyltoluene	11.827	119	2648871	137.36	ppb	97

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 8 Sample Multiplier: 1

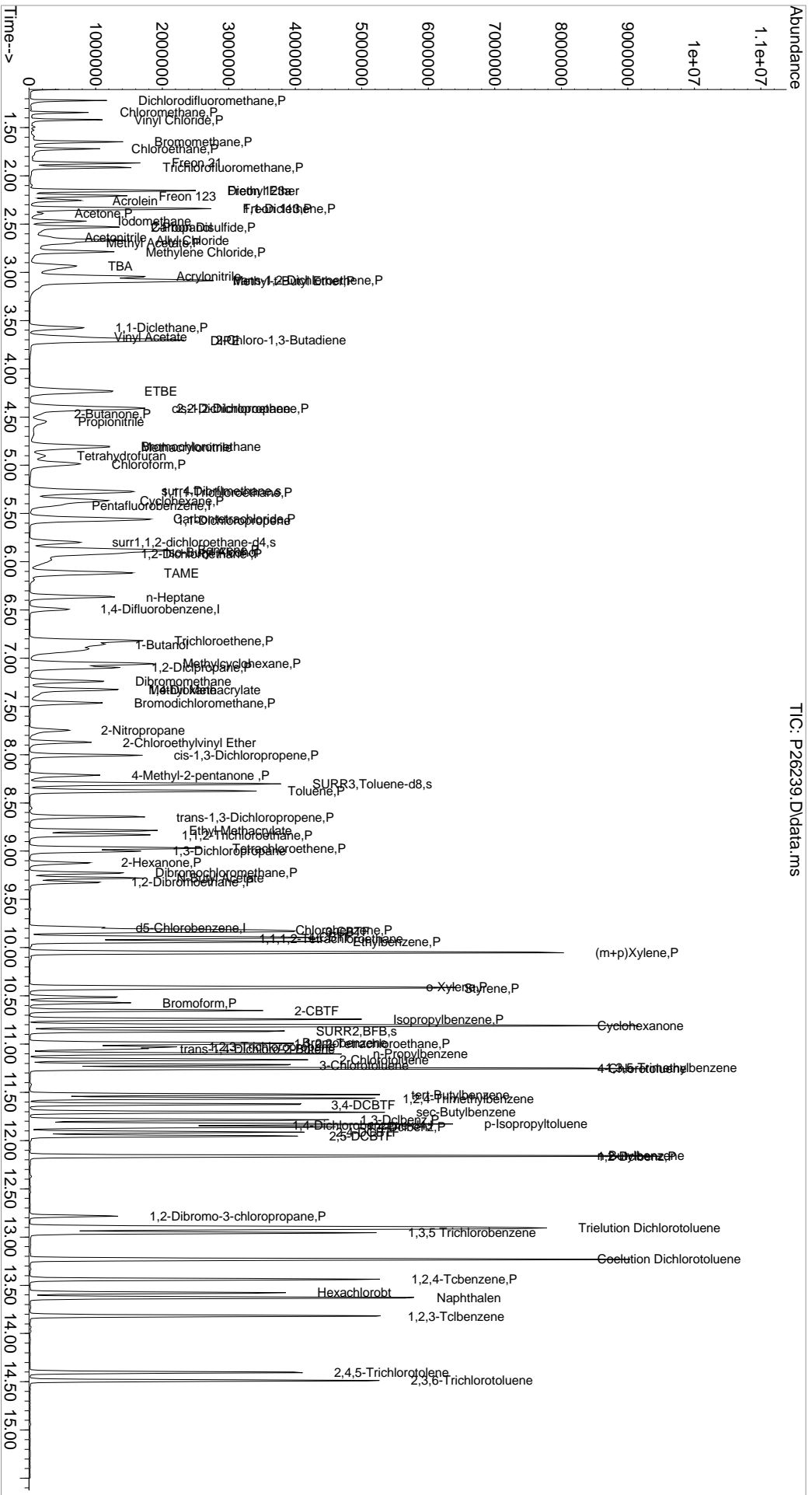
Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1561330	140.47	ppb	98
106) 1,4-Dclbenz	11.857	146	1581894	139.12	ppb	96
107) 2,4-DCBTF	11.912	214	873821	157.53	ppb	99
108) 2,5-DCBTF	11.955	214	974134	157.97	ppb	99
109) n-Butylbenzene	12.156	91	2179848	135.87	ppb	97
110) 1,2-Dclbenz	12.162	146	1570819	141.87	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	351151	158.75	ppb	98
112) Trielution Dichlorotol...	12.906	125	4125022	443.64	ppb	96
113) 1,3,5 Trichlorobenzene	12.955	180	1382730	157.21	ppb	99
114) Coelution Dichlorotoluene	13.229	125	3055383	294.52	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	1464261	158.65	ppb	99
116) Hexachlorobt	13.577	225	643484	161.39	ppb	97
117) Naphthalen	13.632	128	3862216	144.48	ppb	98
118) 1,2,3-Tclbenzene	13.821	180	1487305	152.04	ppb	99
119) 2,4,5-Trichlorotolene	14.406	159	984128	166.21	ppb	97
120) 2,3,6-Trichlorotoluene	14.485	159	1138430	163.81	ppb	99

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb
 Conc : 8260/624 ICAL
 VIAL : 8 Sample Multiplier: 1
 Inst : MSVOA-12

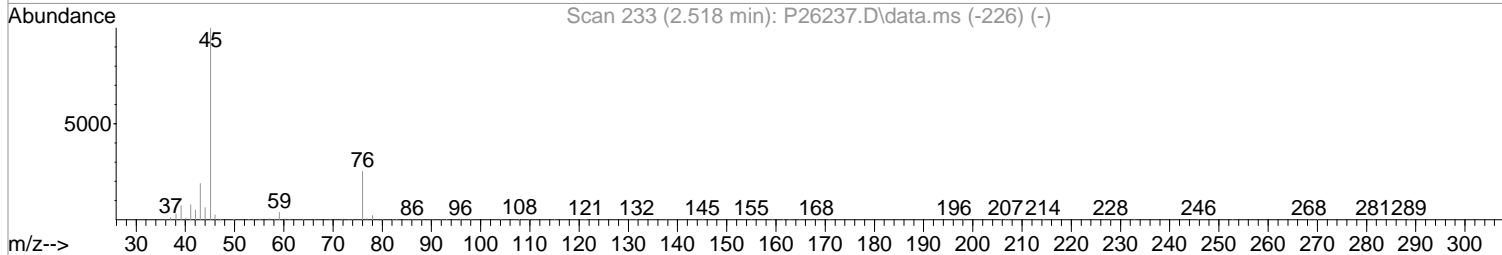
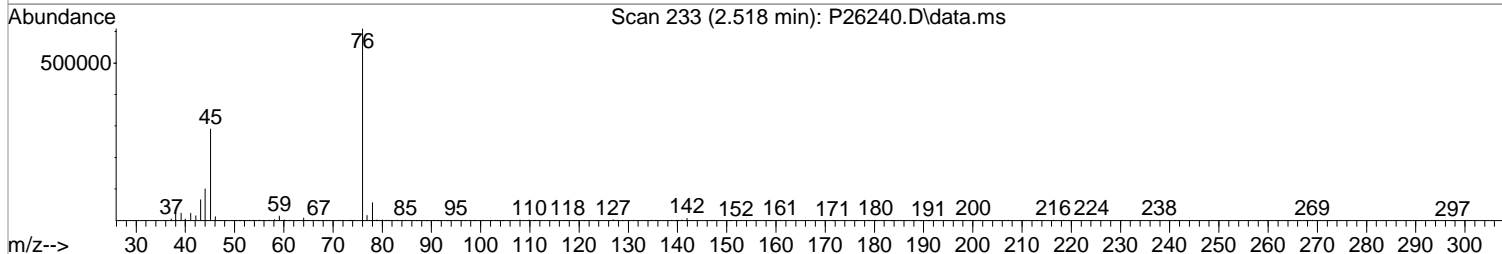
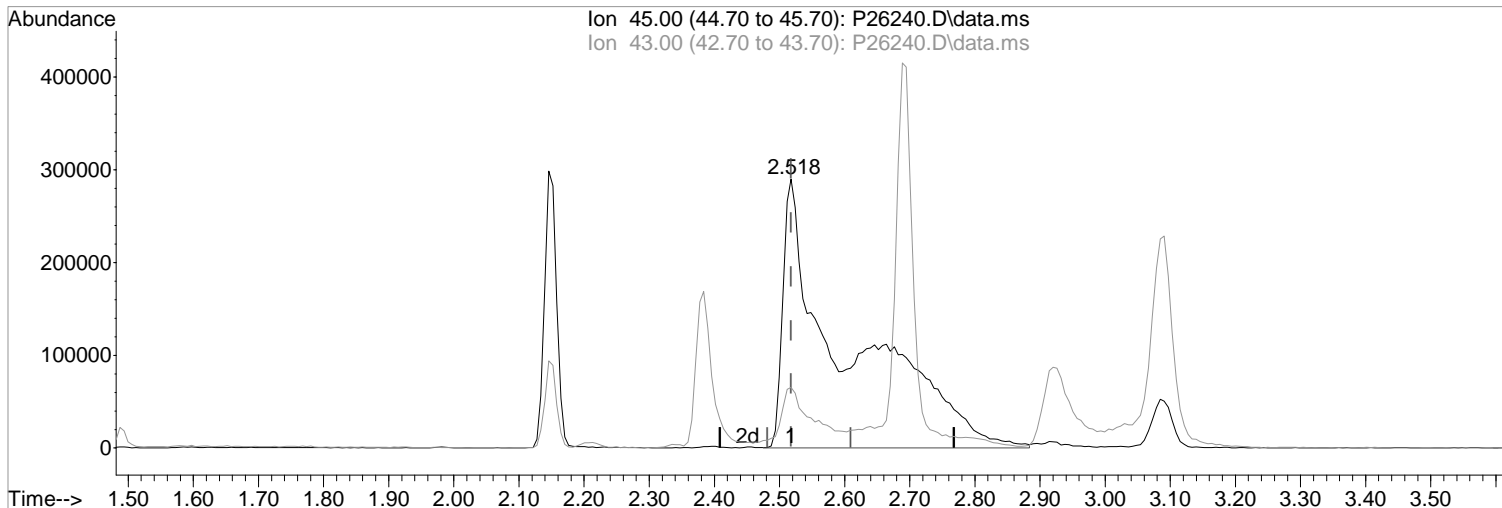
Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10ml Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (0.000) 4086.96 ppb m
response 1939575

Manual Integration:

After

Poor integration.

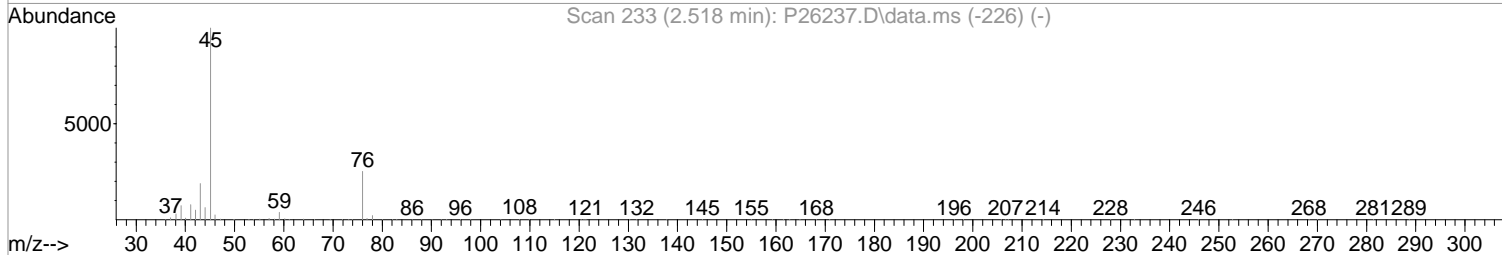
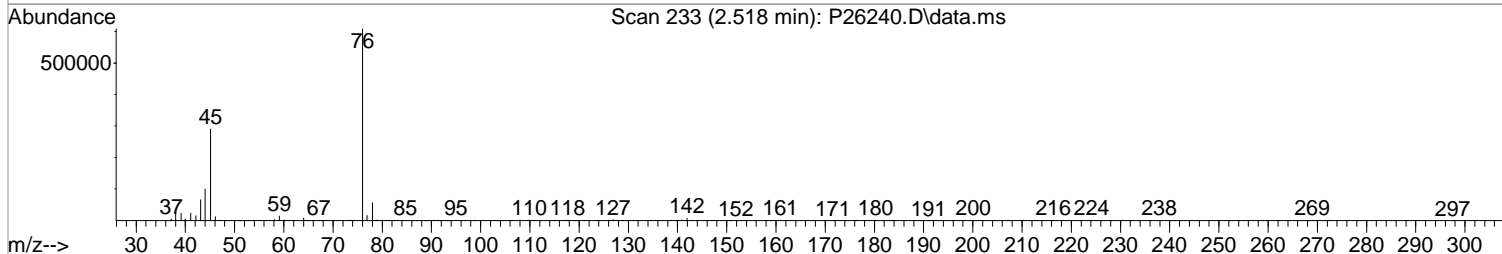
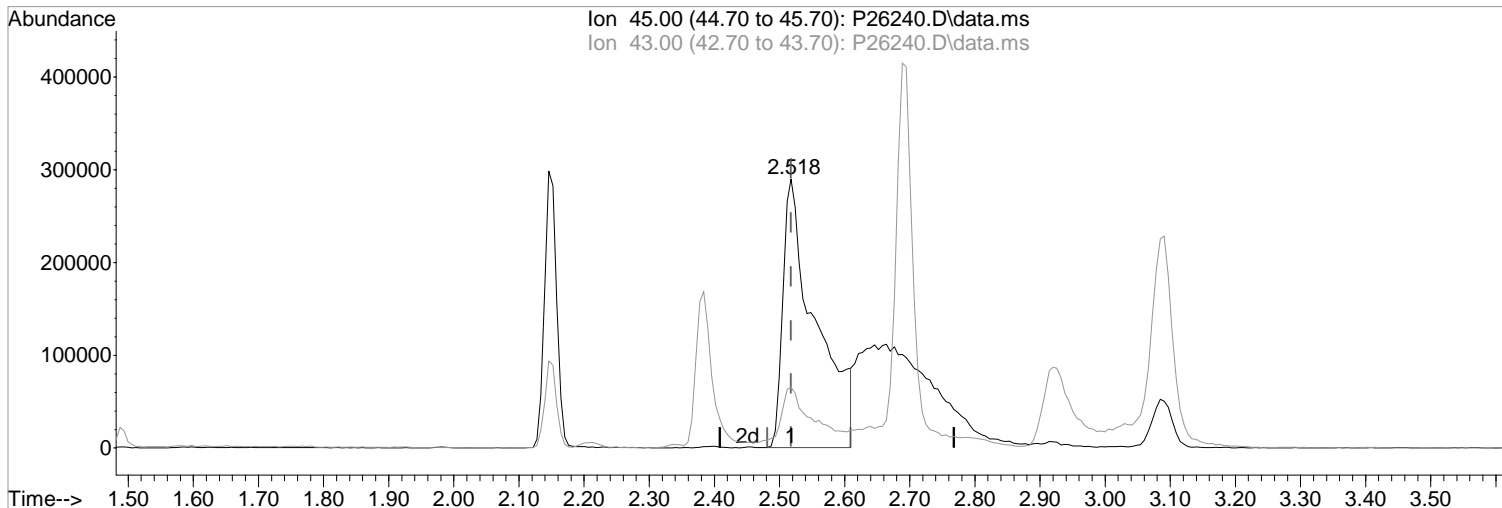
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (0.000) 2120.60 ppb
response 1006387

Manual Integration:

Before

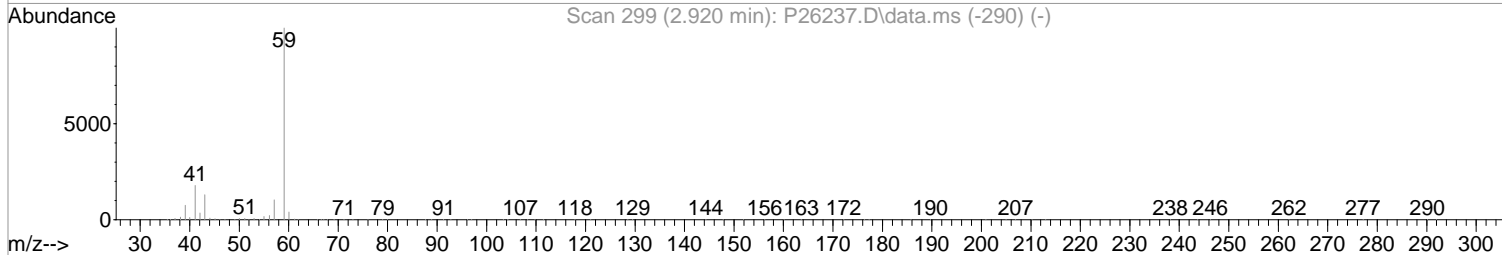
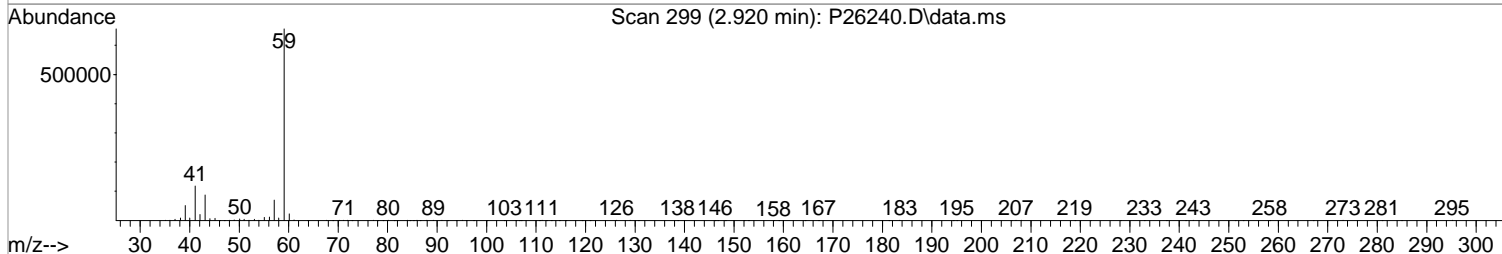
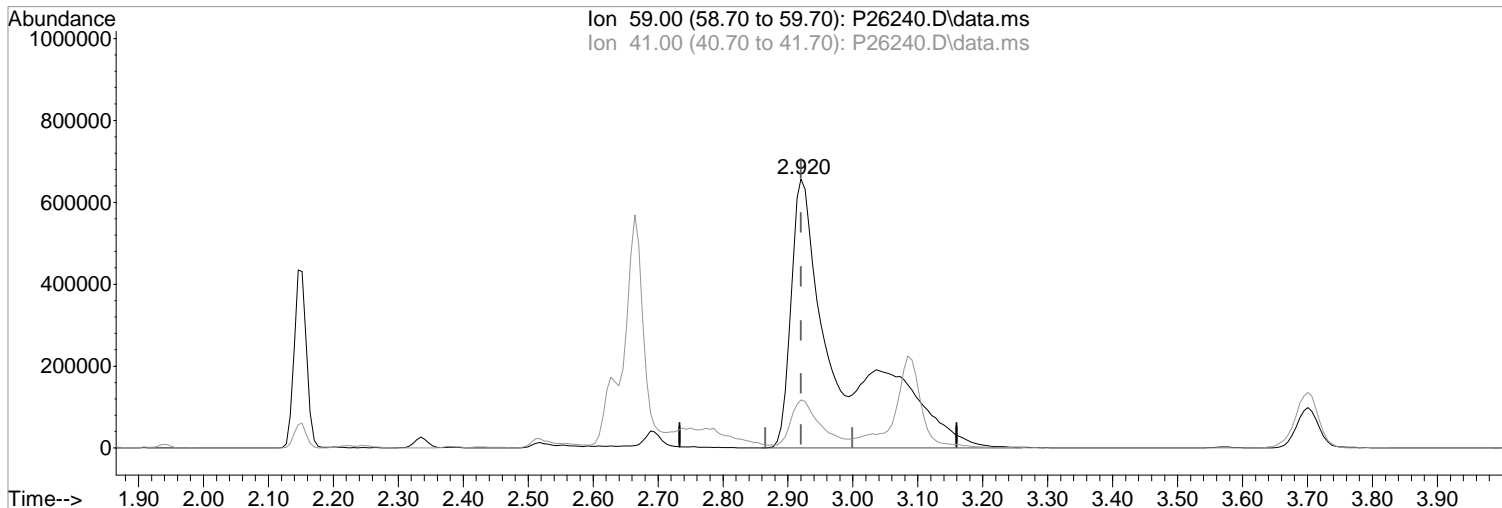
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26240.D\data.ms

(23) TBA
2.920min (0.000) 3922.12 ppb m
response 3428745

Manual Integration:

After

Poor integration.

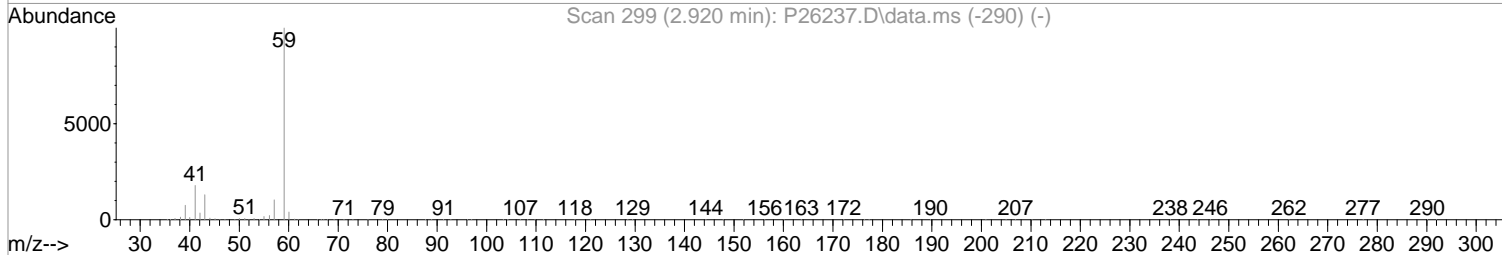
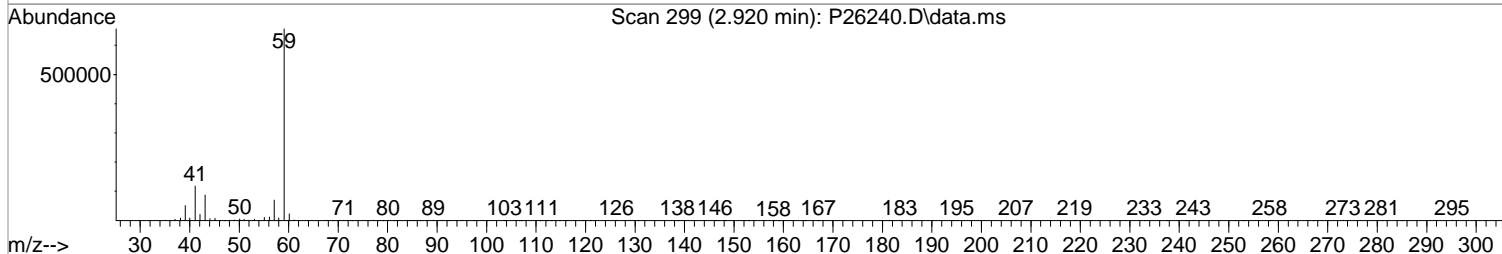
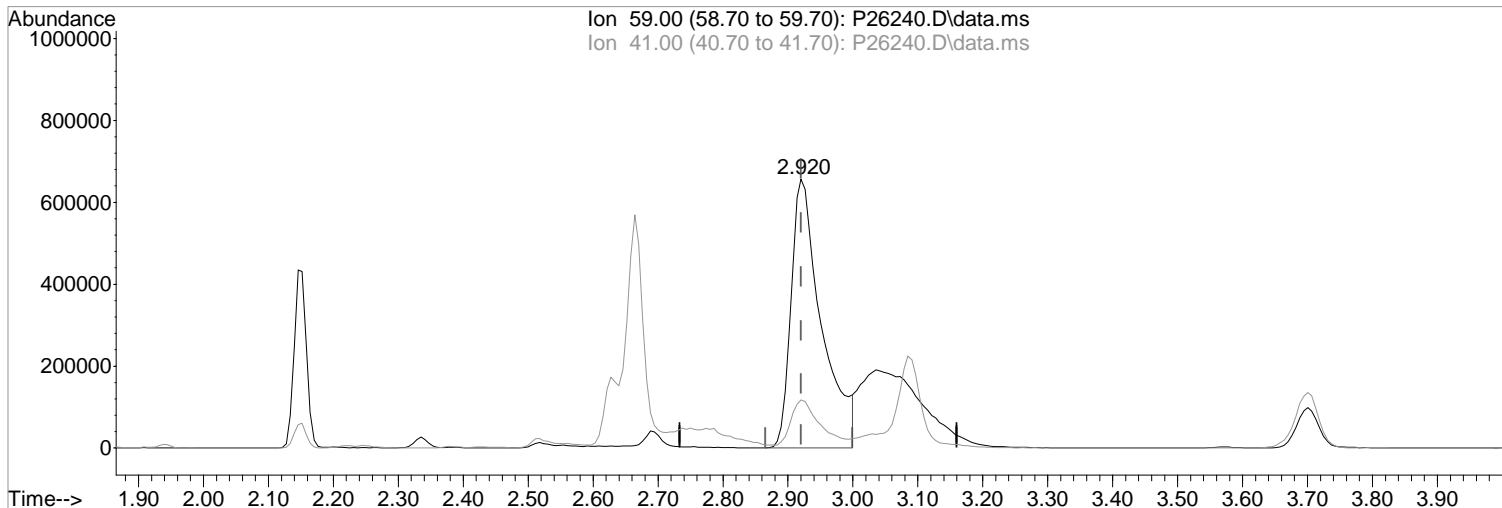
05/01/19

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26240.D\data.ms

(23) TBA

2.920min (0.000) 2438.67 ppb

response 2131899

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

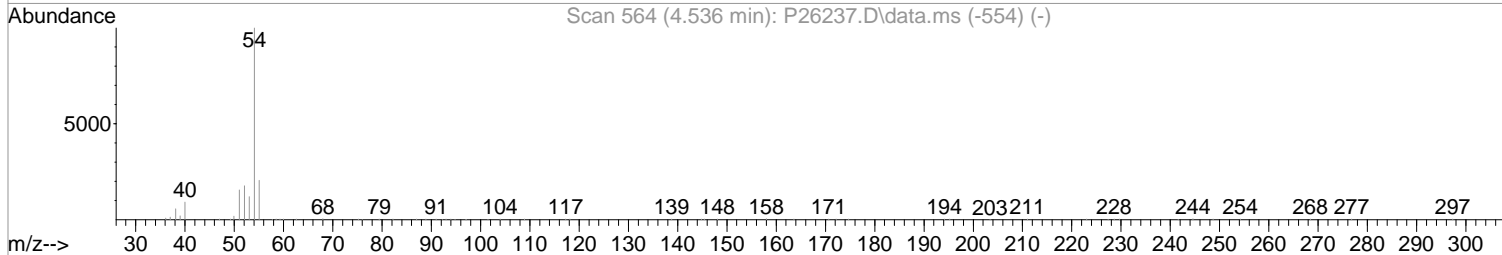
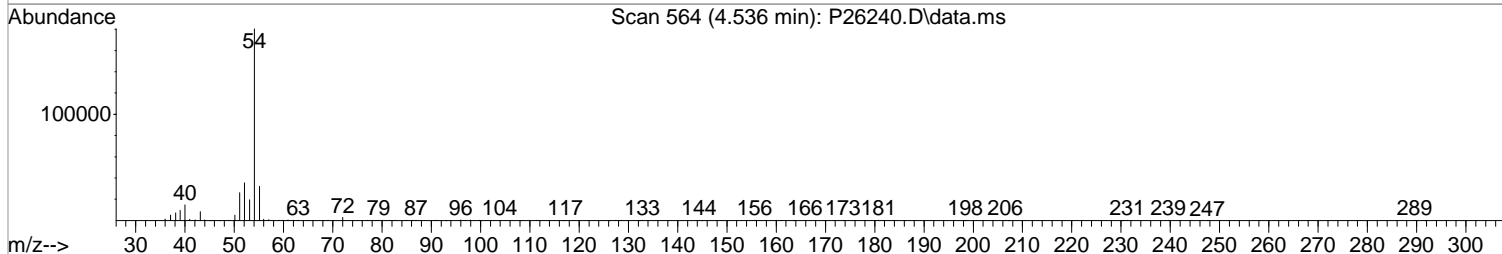
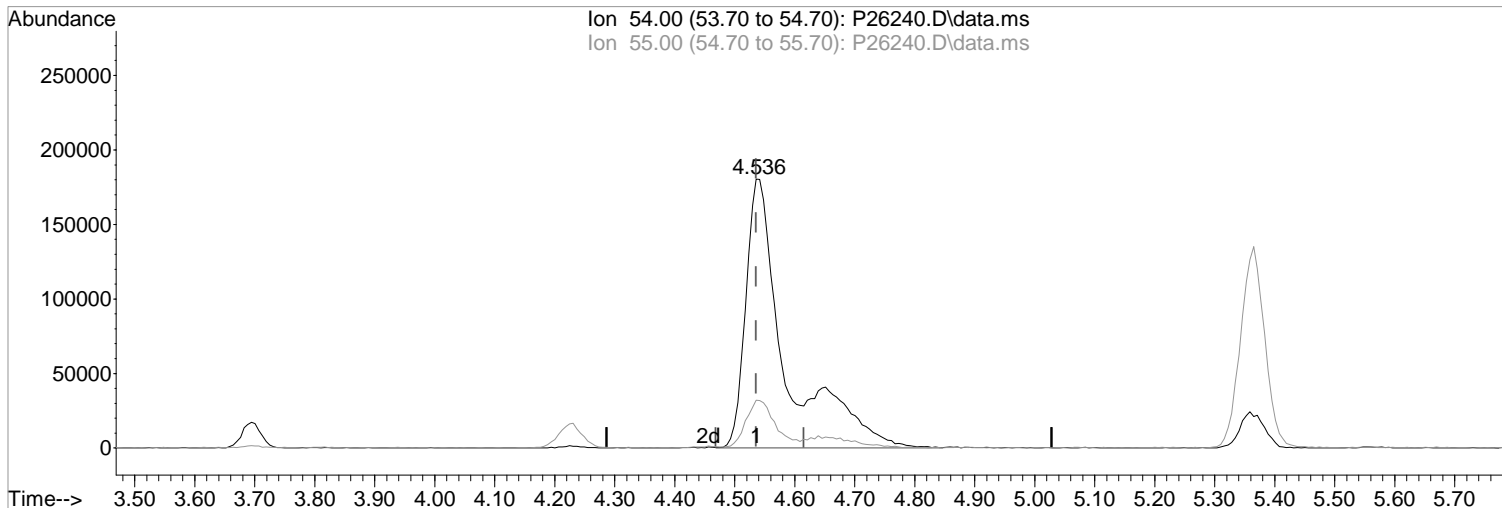
Before

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26240.D\data.ms

(36) Propionitrile
4.536min (0.000) 928.67 ppb m
response 838772

Manual Integration:
After
Poor integration.

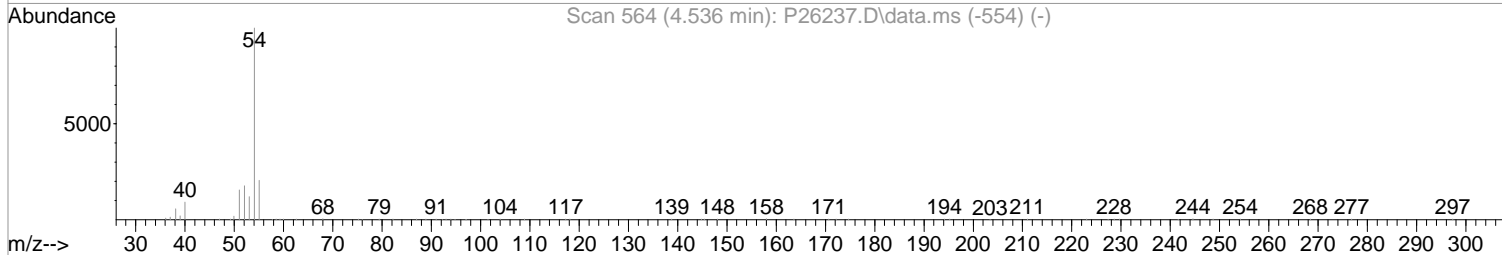
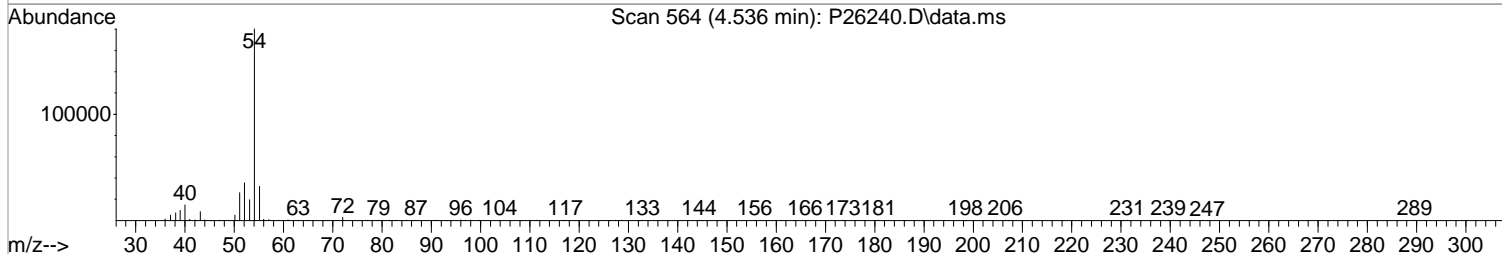
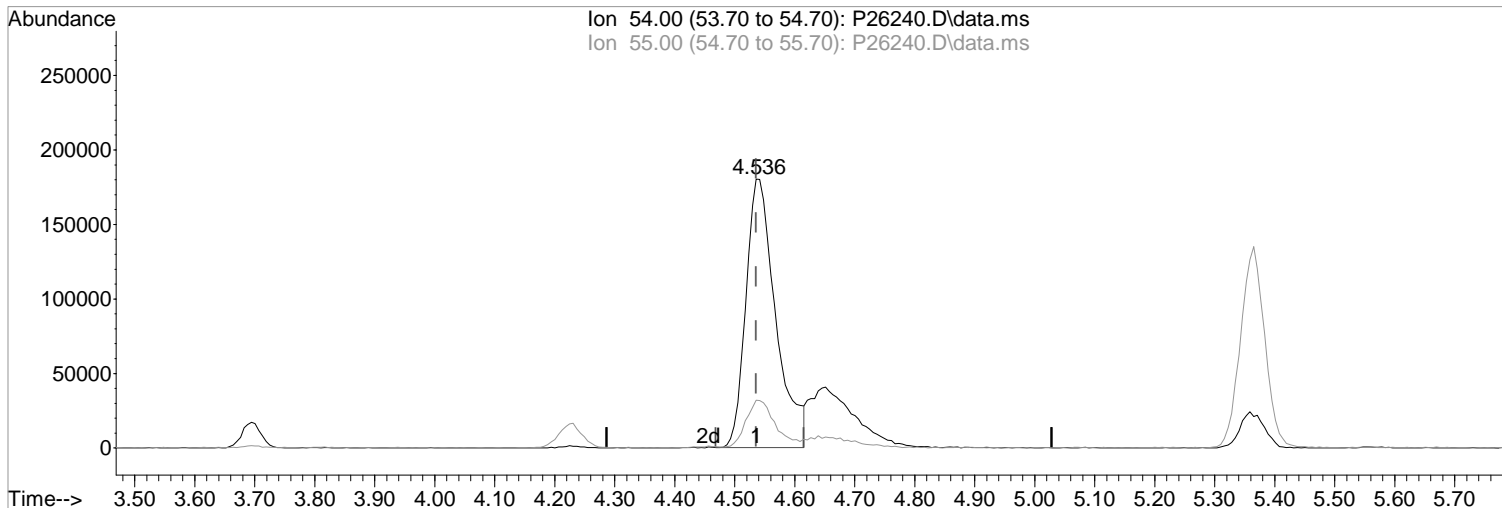
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26240.D\data.ms

(36) Propionitrile
4.536min (0.000) 688.43 ppb
response 621783

Manual Integration:
Before

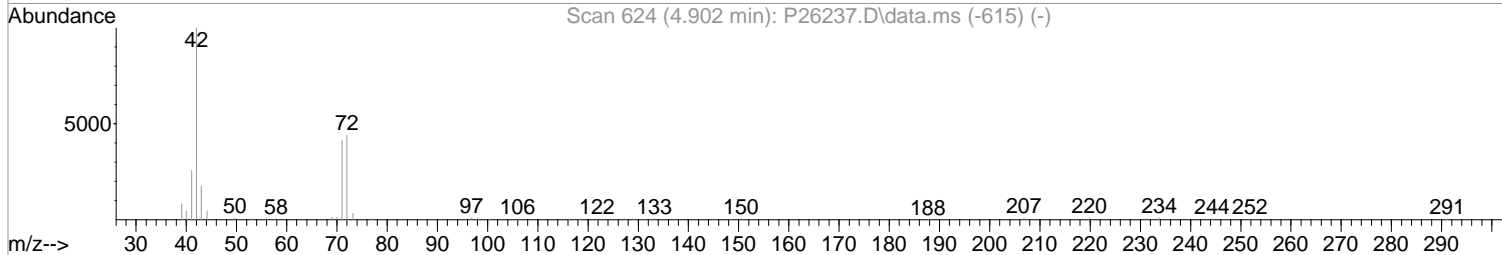
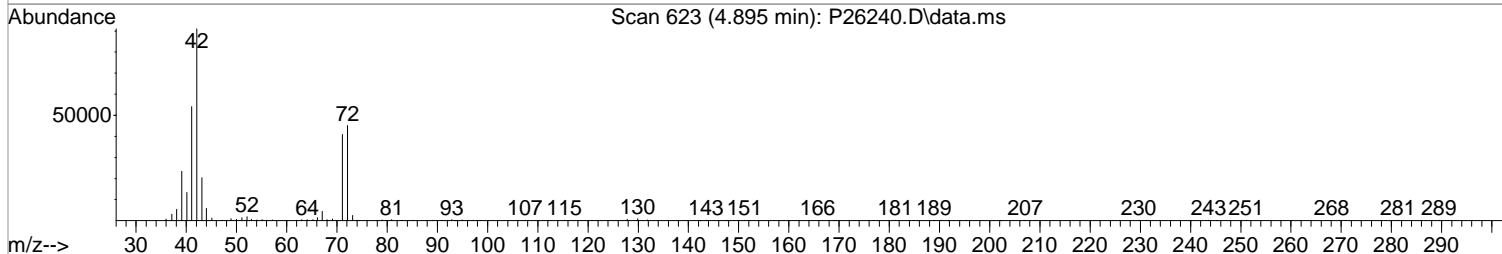
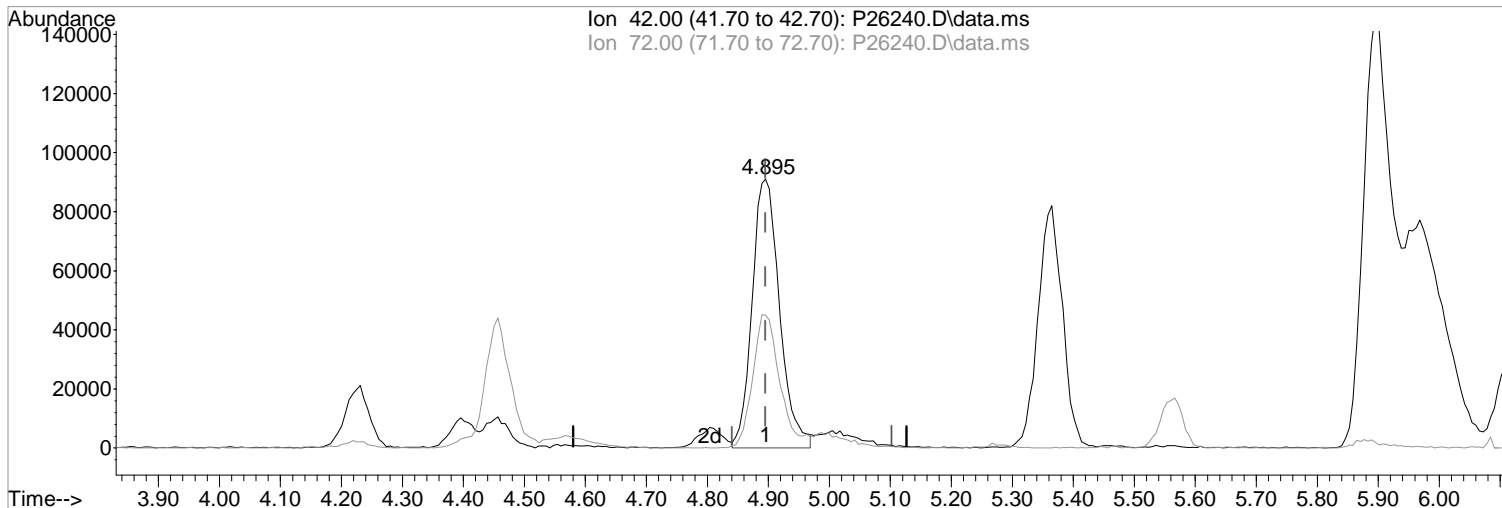
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran

4.895min (0.000) 165.33 ppb m

response 284613

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

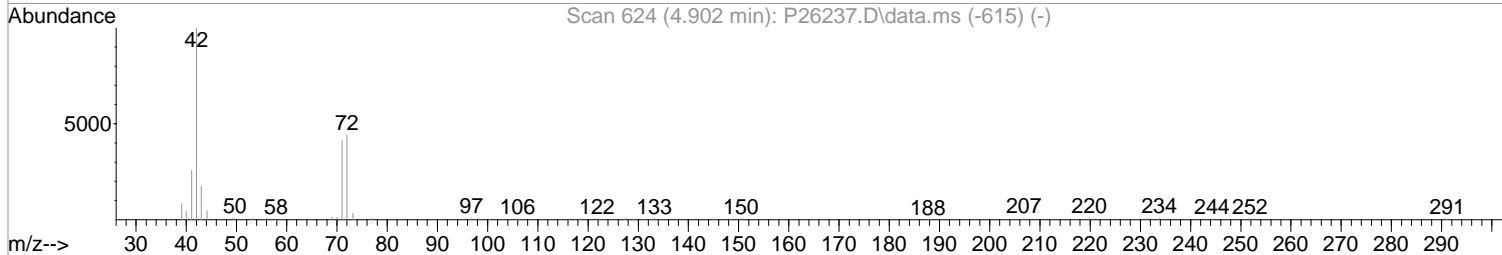
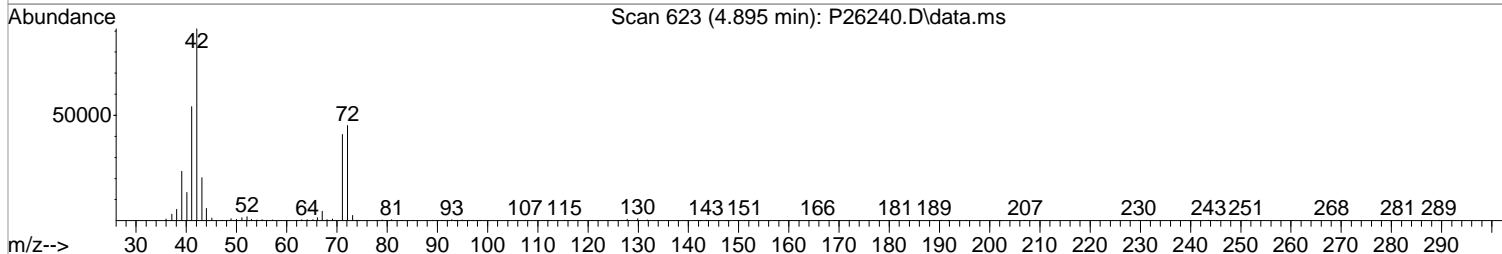
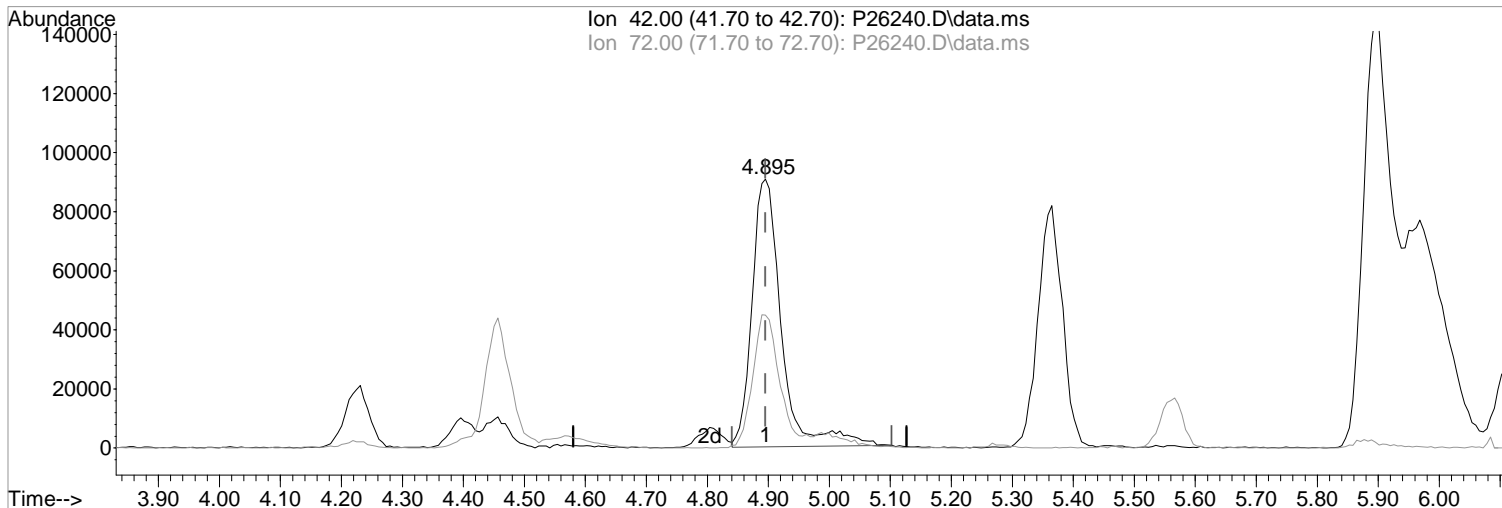
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.895min (0.000) 175.57 ppb
response 302248

Manual Integration:

Before

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26240.D
 Acq On : 1 May 2019 3:42 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:56:09 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.407	168	457798	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	581385	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	524540	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	342354	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	170280	50.94	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	101.88%			
48) surr1,1,2-dichloroetha...	5.798	65	176633	48.44	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	96.88%			
65) SURR3,Toluene-d8	8.303	98	673897	48.56	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	97.12%			
70) SURR2,BFB	10.864	95	261765	48.27	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	96.54%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.213	85	826221	191.65	ppb		100
3) Chloromethane	1.341	50	718751	183.58	ppb		96
4) Vinyl Chloride	1.414	62	867674	180.31	ppb		98
5) Bromomethane	1.646	94	670698	139.52	ppb		99
6) Chloroethane	1.719	64	647661	163.63	ppb		100
7) Freon 21	1.865	67	1264821	182.33	ppb		100
8) Trichlorofluoromethane	1.914	101	1119000	187.01	ppb		99
9) Diethyl Ether	2.146	59	575043	165.82	ppb		98
10) Freon 123a	2.152	67	720900	169.53	ppb		93
11) Freon 123	2.201	83	891422	179.47	ppb		98
12) Acrolein	2.250	56	713412	866.01	ppb		96
13) 1,1-Dicethene	2.335	96	668018	175.50	ppb		92
14) Freon 113	2.341	101	626566	185.91	ppb		82
15) Acetone	2.384	43	295953	161.13	ppb		97
16) 2-Propanol	2.518	45	1939575m	4086.96	ppb		
17) Iodomethane	2.469	142	1180920	278.76	ppb		97
18) Carbon Disulfide	2.530	76	1662605	181.31	ppb		100
19) Acetonitrile	2.627	40	153069	715.94	ppb		90
20) Allyl Chloride	2.664	76	332017	166.71	ppb		94
21) Methyl Acetate	2.688	43	784070	197.87	ppb		97
22) Methylene Chloride	2.780	84	699327	164.00	ppb		97
23) TBA	2.920	59	3428745m	3922.12	ppb		
24) Acrylonitrile	3.036	53	1716087	859.33	ppb		99
25) Methyl-t-Butyl Ether	3.091	73	2346533	169.72	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	738336	176.89	ppb		94
28) 1,1-Dicethane	3.572	63	1160261	170.03	ppb		99
29) Vinyl Acetate	3.664	86	170754	200.29	ppb	#	93
30) DIPE	3.700	45	1834756	171.70	ppb		98
31) 2-Chloro-1,3-Butadiene	3.694	53	854785	166.46	ppb		94
32) ETBE	4.225	59	1999168	169.51	ppb		99
33) 2,2-Dichloropropane	4.402	77	1078099	172.63	ppb		98
34) cis-1,2-Dichloroethene	4.408	96	815931	165.45	ppb		92
35) 2-Butanone	4.456	43	407400	160.96	ppb		97
36) Propionitrile	4.536	54	838772m	928.67	ppb		
37) Bromochloromethane	4.804	130	609525	184.16	ppb		92
38) Methacrylonitrile	4.810	67	404757	163.41	ppb		95
39) Tetrahydrofuran	4.895	42	284613m	165.33	ppb		
40) Chloroform	4.981	83	1201115	165.83	ppb		100
41) 1,1,1-Trichloroethane	5.273	97	1163880	172.42	ppb		96

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26240.D
 Acq On : 1 May 2019 3:42 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:56:09 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	2130901	171.73	ppb	98
44) Cyclohexane	5.365	41	550933	175.87	ppb	99
46) Carbontetrachloride	5.554	117	1062701	210.26	ppb	98
47) 1,1-Dichloropropene	5.560	75	903993	193.16	ppb	98
49) Benzene	5.877	78	2802869	186.04	ppb	100
50) 1,2-Dichloroethane	5.913	62	955852	178.99	ppb	97
51) Iso-Butyl Alcohol	5.895	43	1348561	4165.42	ppb	98
52) n-Heptane	6.358	43	734225	183.26	ppb	97
53) 1-Butanol	6.852	56	2468851	11180.16	ppb	99
54) Trichloroethene	6.816	130	947017	202.27	ppb	97
55) Methylcyclohexane	7.053	55	798658	182.65	ppb	91
56) 1,2-Diclpropane	7.096	63	678093	187.70	ppb	100
57) Dibromomethane	7.236	93	494478	194.38	ppb	85
58) 1,4-Dioxane	7.322	88	391429	3982.91	ppb	90
59) Methyl Methacrylate	7.322	69	690650	193.46	ppb	90
60) Bromodichloromethane	7.462	83	966990	192.87	ppb	96
61) 2-Nitropropane	7.742	41	550255	423.91	ppb	91
62) 2-Chloroethylvinyl Ether	7.870	63	515897	201.27	ppb	91
63) cis-1,3-Dichloropropene	8.005	75	1215680	187.89	ppb	96
64) 4-Methyl-2-pentanone	8.212	43	884981	193.95	ppb	98
66) Toluene	8.376	91	3148212	184.77	ppb	97
67) trans-1,3-Dichloropropene	8.645	75	1141429	197.45	ppb	98
68) Ethyl Methacrylate	8.785	69	1192271	192.19	ppb	99
69) 1,1,2-Trichloroethane	8.828	97	771065	188.79	ppb	98
72) Tetrachloroethene	8.968	164	806156	213.76	ppb	98
73) 2-Hexanone	9.120	43	707292	200.78	ppb	98
74) 1,3-Dichloropropane	8.998	76	1213390	191.36	ppb	99
75) Dibromochloromethane	9.224	129	964290	209.78	ppb	96
76) N-Butyl Acetate	9.279	43	1295636	192.85	ppb	99
77) 1,2-Dibromoethane	9.321	107	846432	199.90	ppb	99
78) Chlorobenzene	9.815	112	2266299	196.53	ppb	99
79) 3-CBTF	9.833	180	1511069	228.19	ppb	98
80) 4-CBTF	9.888	180	1333854	222.02	ppb	95
81) 1,1,1,2-Tetrachloroethane	9.907	131	909248	203.23	ppb	99
82) Ethylbenzene	9.937	106	1261051	202.28	ppb	# 87
83) (m+p)Xylene	10.053	106	3017864	390.97	ppb	89
84) o-Xylene	10.406	106	1530892	195.88	ppb	93
85) Styrene	10.419	104	2490966	203.93	ppb	97
87) Bromoform	10.571	173	854932	215.33	ppb	99
88) 2-CBTF	10.650	180	1506887	200.05	ppb	98
89) Isopropylbenzene	10.742	105	3632037	168.68	ppb	94
90) Cyclohexanone	10.809	55	3869802	3601.99	ppb	95
91) trans-1,4-Dichloro-2-B...	11.047	53	309301	174.06	ppb	96
92) 1,1,2,2-Tetrachloroethane	10.998	83	1123199	172.62	ppb	99
93) Bromobenzene	10.986	156	1184677	182.47	ppb	98
94) 1,2,3-Trichloropropane	11.028	110	434941	178.08	ppb	98
95) n-Propylbenzene	11.101	91	3908191	167.39	ppb	93
96) 2-Chlorotoluene	11.162	91	2481708	170.89	ppb	99
97) 3-Chlorotoluene	11.217	91	2536922	184.87	ppb	96
98) 4-Chlorotoluene	11.254	91	2803792	168.88	ppb	97
99) 1,3,5-Trimethylbenzene	11.254	105	3167505	175.12	ppb	95
100) tert-Butylbenzene	11.522	119	2956089	178.89	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	3200104	177.90	ppb	94
102) 3,4-DCBTF	11.626	214	1352016	210.46	ppb	98
103) sec-Butylbenzene	11.705	105	3959664	171.22	ppb	97
104) p-Isopropyltoluene	11.827	119	3629614	180.44	ppb	95

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26240.D
 Acq On : 1 May 2019 3:42 pm
 Operator : K.Ruest
 Sample : 200ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 17:56:09 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

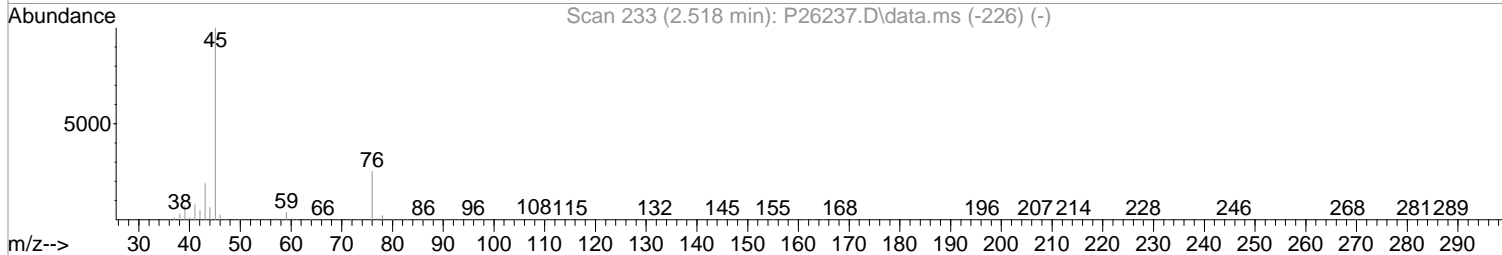
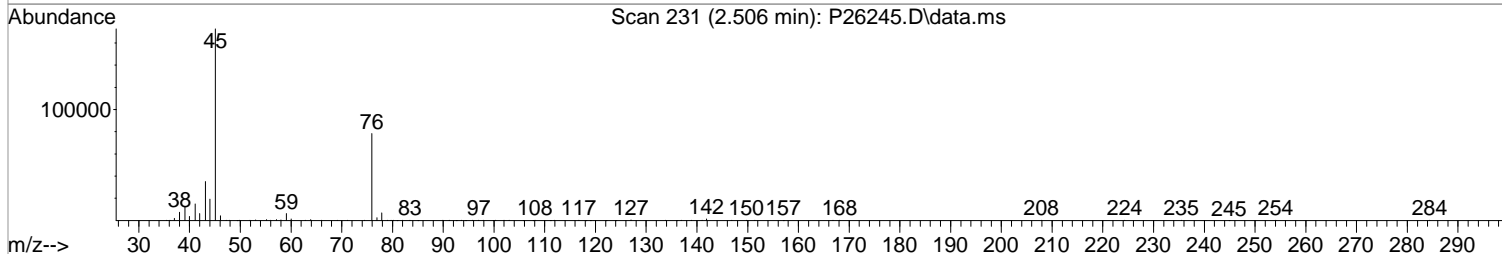
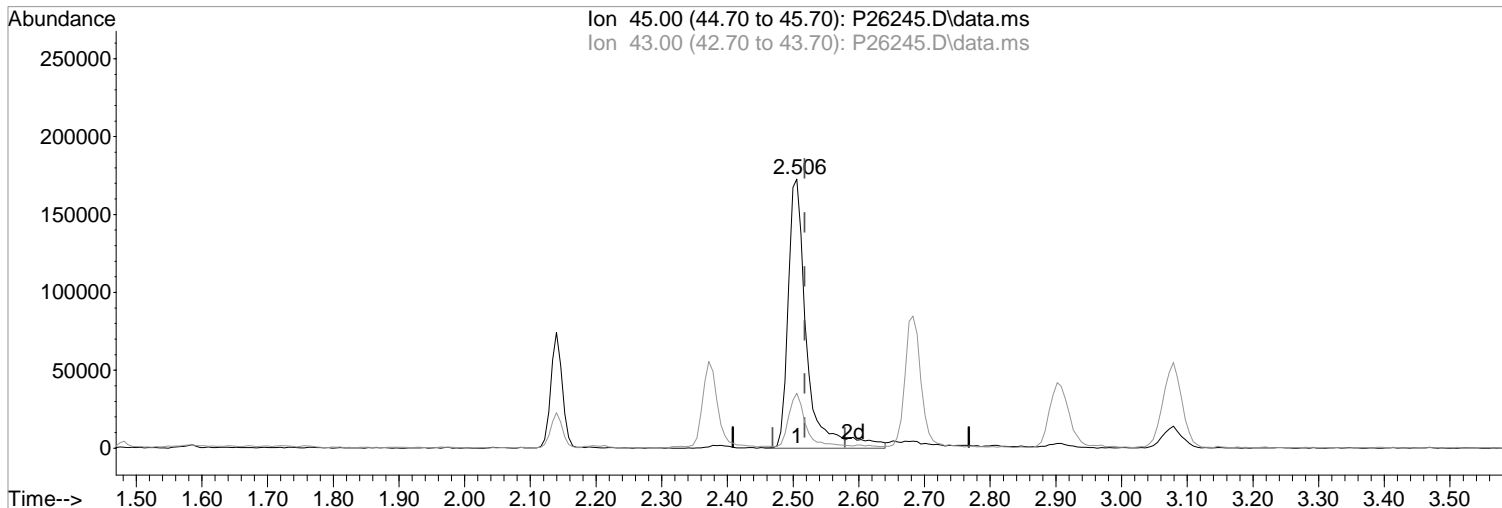
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	2179815	188.00	ppb	99
106) 1,4-Dclbenz	11.857	146	2191537	184.77	ppb	95
107) 2,4-DCBTF	11.912	214	1243961	215.00	ppb	99
108) 2,5-DCBTF	11.955	214	1391437	216.31	ppb	97
109) n-Butylbenzene	12.162	91	3014227	180.11	ppb	93
110) 1,2-Dclbenz	12.162	146	2181972	188.92	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	497298	215.52	ppb	96
112) Trielution Dichlorotol...	12.906	125	5713013	589.03	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	1954090	213.00	ppb	99
114) Coelution Dichlorotoluene	13.229	125	4166184	385.00	ppb	94
115) 1,2,4-Tcbenzene	13.442	180	2041619	212.07	ppb	99
116) Hexachlorobt	13.577	225	911915	219.26	ppb	98
117) Naphthalen	13.631	128	5113162	183.37	ppb	95
118) 1,2,3-Tclbenzene	13.820	180	2054004	201.30	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	1345387	217.84	ppb	98
120) 2,3,6-Trichlorotoluene	14.491	159	1555529	214.58	ppb	95

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

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:41:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26245.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 902.32 ppb m
response 338785

Manual Integration:

After

Poor integration.

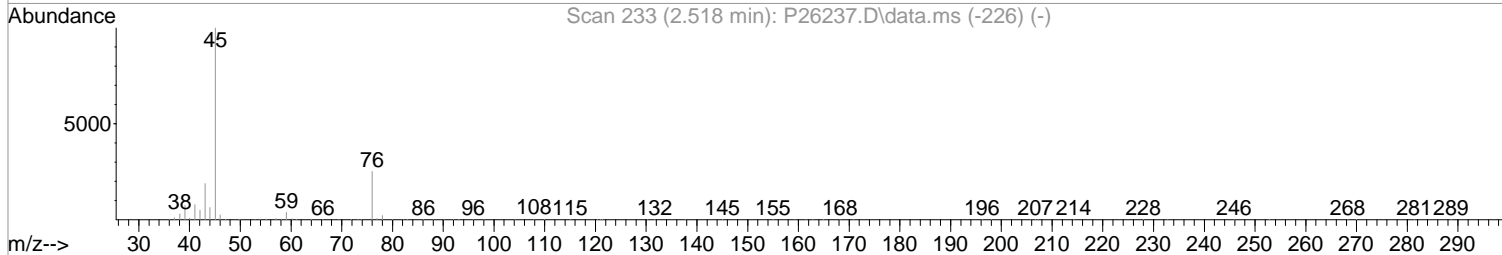
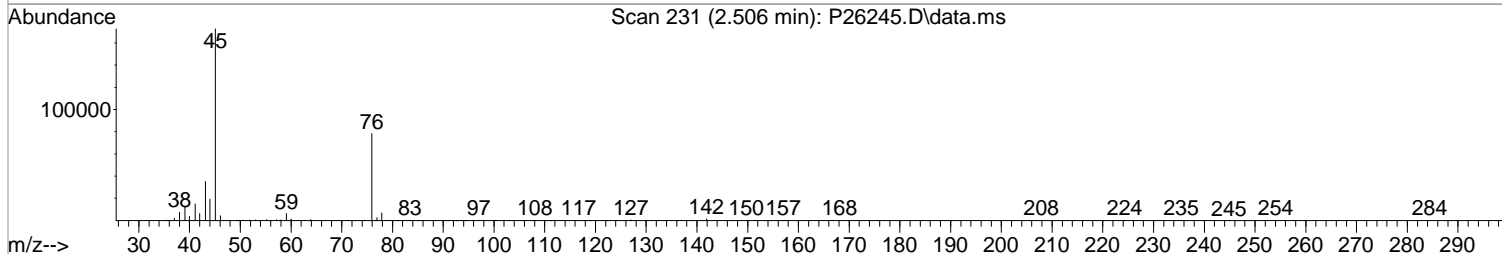
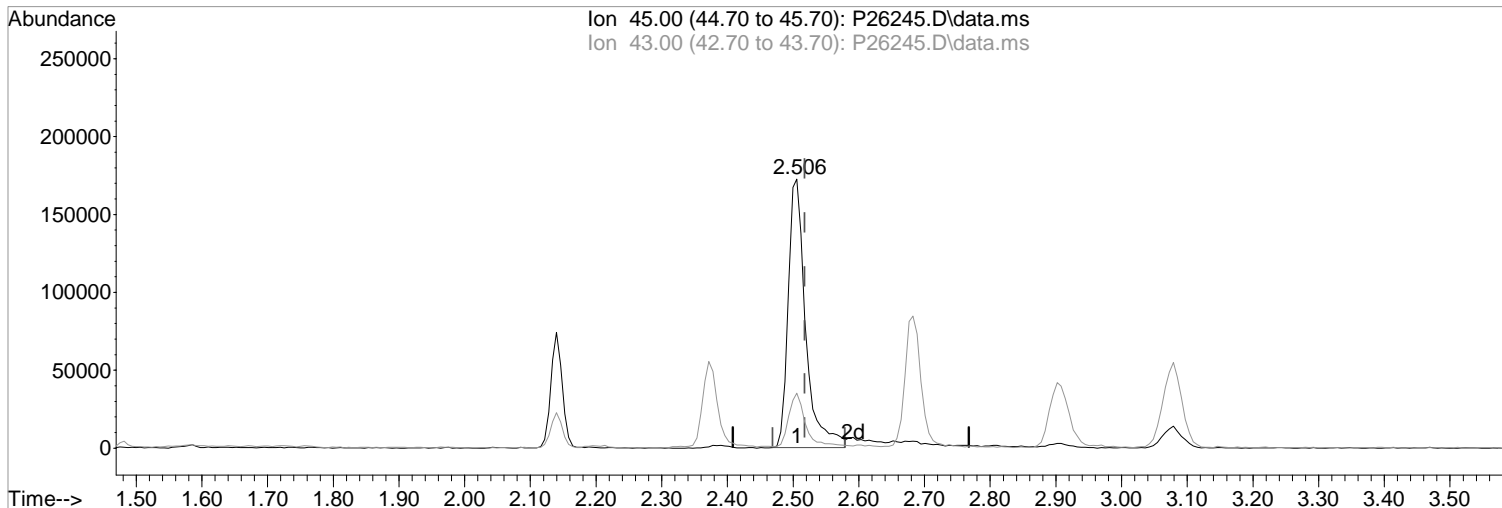
05/02/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 10:33:16 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 10:32:49 2019
Response via : Initial Calibration



TIC: P26245.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 847.89 ppb
response 318348

Manual Integration:
Before

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

05/02/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.402	168	353146	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.487	114	507921	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	464970	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	302672	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	145780	49.92	ppb	-0.01
Spiked Amount	50.000	Range	89 - 119	Recovery	=	99.84%
48) surr1,1,2-dichloroetha...	5.792	65	163943	51.46	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	102.92%
65) SURR3,Toluene-d8	8.297	98	615062	50.73	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	101.46%
70) SURR2,BFB	10.864	95	250546	52.88	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	105.76%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.207	85	203711	61.82	ppb	100
3) Chloromethane	1.329	50	152029	50.58	ppb	98
4) Vinyl Chloride	1.402	62	195696	53.32	ppb	97
5) Bromomethane	1.634	94	179729	52.82	ppb	97
6) Chloroethane	1.713	64	131064	44.85	ppb	99
7) Freon 21	1.859	67	227340	43.10	ppb	100
8) Trichlorofluoromethane	1.908	101	243760	52.81	ppb	98
9) Diethyl Ether	2.140	59	129530	48.42	ppb	95
10) Freon 123a	2.140	67	143422	44.76	ppb	94
11) Freon 123	2.195	83	187245	48.87	ppb	95
12) Acrolein	2.237	56	58973	92.80	ppb	90
13) 1,1-Diclcethene	2.329	96	145728	49.96	ppb	97
14) Freon 113	2.335	101	137120	52.74	ppb	91
15) Acetone	2.372	43	85842	61.90	ppb	96
16) 2-Propanol	2.506	45	338785m	902.32	ppb	
17) Iodomethane	2.457	142	180816	52.72	ppb	94
18) Carbon Disulfide	2.518	76	393061	55.57	ppb	99
19) Acetonitrile	2.615	40	53830	244.25	ppb	90
20) Allyl Chloride	2.658	76	81426	61.14	ppb	93
21) Methyl Acetate	2.683	43	140399	47.77	ppb	98
22) Methylene Chloride	2.774	84	157531	51.98	ppb	99
23) TBA	2.902	59	650426	969.01	ppb	100
24) Acrylonitrile	3.024	53	401690	267.73	ppb	98
25) Methyl-t-Butyl Ether	3.079	73	547776	51.36	ppb	97
26) trans-1,2-Dichloroethene	3.067	96	161529	50.54	ppb	97
28) 1,1-Diclcethane	3.560	63	271316	51.54	ppb	99
29) Vinyl Acetate	3.652	86	49400	64.00	ppb	# 74
30) DIPE	3.688	45	466430	56.58	ppb	93
31) 2-Chloro-1,3-Butadiene	3.682	53	207145	52.51	ppb	99
32) ETBE	4.219	59	473897	53.18	ppb	97
33) 2,2-Dichloropropane	4.396	77	258440	53.54	ppb	96
34) cis-1,2-Dichloroethene	4.396	96	184069	49.25	ppb	98
35) 2-Butanone	4.444	43	110643	56.95	ppb	94
36) Propionitrile	4.524	54	173599	249.14	ppb	94
37) Bromochloromethane	4.792	130	128257	50.32	ppb	97
38) Methacrylonitrile	4.798	67	92136	52.30	ppb	96
39) Tetrahydrofuran	4.889	42	69895	53.07	ppb	94
40) Chloroform	4.969	83	278657	49.87	ppb	98
41) 1,1,1-Trichloroethane	5.267	97	268213	51.51	ppb	93

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	530039	55.37	ppb	99
44) Cyclohexane	5.353	41	120045	47.07	ppb	95
46) Carbontetrachloride	5.542	117	232406	52.51	ppb	96
47) 1,1-Dichloropropene	5.554	75	214509	52.46	ppb	99
49) Benzene	5.871	78	647701	49.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	225973	48.44	ppb	98
51) Iso-Butyl Alcohol	5.877	43	252019	878.32	ppb	98
52) n-Heptane	6.353	43	177339	50.66	ppb	96
53) 1-Butanol	6.840	56	444957	2294.51	ppb	99
54) Trichloroethene	6.810	130	200830	49.10	ppb	98
55) Methylcyclohexane	7.048	55	174597	45.70	ppb	97
56) 1,2-Diclpropane	7.090	63	154876	48.98	ppb	94
57) Dibromomethane	7.230	93	110762	50.10	ppb	97
58) 1,4-Dioxane	7.291	88	79851	928.57	ppb	96
59) Methyl Methacrylate	7.322	69	156031	49.82	ppb	91
60) Bromodichloromethane	7.456	83	215361	49.17	ppb	99
61) 2-Nitropropane	7.742	41	121587	107.22	ppb	97
62) 2-Chloroethylvinyl Ether	7.864	63	118979	53.11	ppb	99
63) cis-1,3-Dichloropropene	7.999	75	280888	49.69	ppb	98
64) 4-Methyl-2-pentanone	8.206	43	202383	51.42	ppb	99
66) Toluene	8.370	91	751741	50.50	ppb	100
67) trans-1,3-Dichloropropene	8.639	75	263841	52.68	ppb	98
68) Ethyl Methacrylate	8.785	69	271225	50.04	ppb	96
69) 1,1,2-Trichloroethane	8.828	97	170174	47.69	ppb	96
72) Tetrachloroethene	8.968	164	170765	51.08	ppb	98
73) 2-Hexanone	9.120	43	155069	49.62	ppb	98
74) 1,3-Dichloropropane	8.998	76	279504	49.73	ppb	99
75) Dibromochloromethane	9.224	129	194751	47.80	ppb	97
76) N-Butyl Acetate	9.273	43	307388	51.61	ppb	97
77) 1,2-Dibromoethane	9.321	107	183534	48.90	ppb	98
78) Chlorobenzene	9.815	112	513072	50.19	ppb	98
79) 3-CBTF	9.834	180	312813	53.29	ppb	98
80) 4-CBTF	9.888	180	270020	50.84	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.901	131	193793	48.86	ppb	97
82) Ethylbenzene	9.937	106	280266	50.72	ppb	100
83) (m+p)Xylene	10.047	106	707912	103.46	ppb	99
84) o-Xylene	10.407	106	360181	51.99	ppb	98
85) Styrene	10.419	104	589708	54.46	ppb	98
87) Bromoform	10.571	173	163955	46.71	ppb	96
88) 2-CBTF	10.650	180	329956	49.55	ppb	97
89) Isopropylbenzene	10.742	105	879143	46.18	ppb	98
90) Cyclohexanone	10.803	55	829327	873.14	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	72423	50.07	ppb	97
92) 1,1,2,2-Tetrachloroethane	10.998	83	256148	44.53	ppb	99
93) Bromobenzene	10.986	156	269487	46.95	ppb	100
94) 1,2,3-Trichloropropane	11.028	110	94771	43.89	ppb	94
95) n-Propylbenzene	11.096	91	983233	47.63	ppb	98
96) 2-Chlorotoluene	11.156	91	594629	46.31	ppb	98
97) 3-Chlorotoluene	11.211	91	603090	49.71	ppb	100
98) 4-Chlorotoluene	11.254	91	687982	46.87	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	775721	48.51	ppb	98
100) tert-Butylbenzene	11.522	119	713821	48.86	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	771615	48.52	ppb	100
102) 3,4-DCBTF	11.620	214	301869	53.15	ppb	98
103) sec-Butylbenzene	11.705	105	965058	47.20	ppb	98
104) p-Isopropyltoluene	11.827	119	880118	49.49	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50 Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

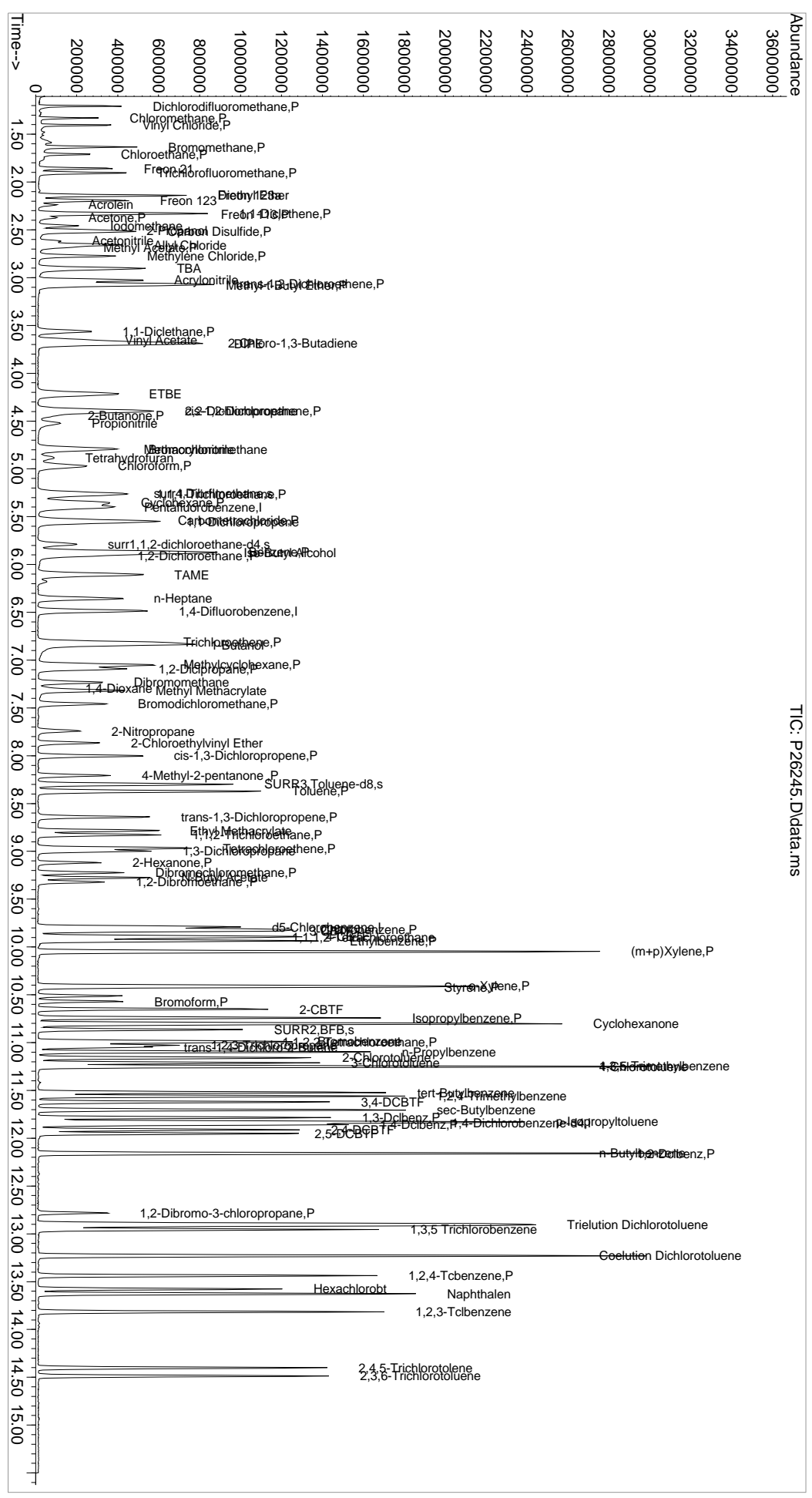
Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	498777	48.66	ppb	98
106) 1,4-Dclbenz	11.858	146	500790	47.76	ppb	96
107) 2,4-DCBTF	11.912	214	273322	53.43	ppb	98
108) 2,5-DCBTF	11.955	214	302662	53.31	ppb	100
109) n-Butylbenzene	12.156	91	712255	48.14	ppb	99
110) 1,2-Dclbenz	12.162	146	489321	47.92	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	92677	45.43	ppb	97
112) Trielution Dichlorotol...	12.906	125	1329077	155.00	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	426741	52.61	ppb	99
114) Coelution Dichlorotoluene	13.229	125	986060	103.07	ppb	99
115) 1,2,4-Tcbenzene	13.437	180	433547	50.94	ppb	98
116) Hexachlorobt	13.577	225	185718	50.51	ppb	99
117) Naphthalen	13.626	128	1176191	47.71	ppb	99
118) 1,2,3-Tclbenzene	13.815	180	440434	48.82	ppb	97
119) 2,4,5-Trichlorotolene	14.400	159	316978	58.26	ppb	98
120) 2,3,6-Trichlorotoluene	14.485	159	304297	47.48	ppb	98

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Disc : 8260/624 ICAL
 PALS Vial : 14 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration



Analysis: 5000/624 10/19 Analyst: V. Brest pH strips: N/A Tune Method: M05D119
 Date: 5/1/19 Balance ID: N/A ResCI strips: N/A Run Method: L
 Instr. 12 50 mL Class A used for dilution FV Syringes: 193043+ LIMS Run#: -1041-

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BUL							P16224		
2								P16225		
3								P16226		
4								P16227		
1								P16228		
2								P16229		
1	TRUE							P16230		(cont'd) 11:52
2	18.4							P16231	YB	
1	0.5 ppm	5000	5000					P16232	Y	
2	1.0	10mL						P16233	Y	
3	2.0	20mL						P16234	Y	
4	5.0	50mL						P16235	Y	
5	30		2ul					P16236	Y	
6	50		5ul					P16237	Y	
7	100		10mL					P16238	Y	
8	150		15mL					P16239	Y	
9	300		30mL					P16240	Y	
10	BUL							P16241		
11								P16242		
12								P16243		
13								P16244		
14	1CV 50							P16245	Y	
15	BUL							P16246		

All samples = 5 mL + 5 mL combined IS/Surr. 5 mL purged

500 Primary Qcct: 197912
 Primary R+ : 198019
 Primary T6 : 198104
 Primary H5L : 198296
 Primary :
 = 5 ppm

500 Secondary R+ : 198059 - 12.5mL
 Secondary Qcct : 198104
 Secondary T6 : 198217
 Secondary H5L : 198323
 Secondary :
 = 10V

Combined IS/Surr
 Surrogate 50 : 198898
 Internal Std 50 : 199035
 Reagents:

PSA
 1402 5/1/19

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900049-01	STD #1-0.5 PPB	I:\ACQUADATA\msvoa10\data\043019\E0690.D	04/30/2019 14:12
02	RC1900049-02	STD #2-1.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0691.D	04/30/2019 14:50
03	RC1900049-03	STD #3-2.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0692.D	04/30/2019 15:12
04	RC1900049-04	STD #4-5.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0693.D	04/30/2019 15:34
05	RC1900049-05	STD #5-20 PPB	I:\ACQUADATA\msvoa10\data\043019\E0694.D	04/30/2019 15:56
06	RC1900049-06	STD #6-50 PPB	I:\ACQUADATA\msvoa10\data\043019\E0695.D	04/30/2019 16:18
07	RC1900049-07	STD #7-100 PPB	I:\ACQUADATA\msvoa10\data\043019\E0696.D	04/30/2019 16:40
08	RC1900049-08	STD #8-150 PPB	I:\ACQUADATA\msvoa10\data\043019\E0697.D	04/30/2019 17:02
09	RC1900049-09	STD #9-200 PPB	I:\ACQUADATA\msvoa10\data\043019\E0698.D	04/30/2019 17:24

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9545	02	1.000	0.8766	03	2.000	0.8483	04	5.000	0.8501
05	20.000	0.8132	06	50.000	0.8804	07	100.000	0.8814	08	150.000	0.9026
09	200.000	0.8894									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.995	02	1.000	1.01	03	2.000	1.029	04	5.000	1.095
05	20.000	1.165	06	50.000	1.173	07	100.000	1.213	08	150.000	1.22
09	200.000	1.22									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4322	02	1.000	0.4902	03	2.000	0.4717	04	5.000	0.4684
05	20.000	0.4669	06	50.000	0.5019	07	100.000	0.4957	08	150.000	0.5115
09	200.000	0.5228									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3936	02	1.000	0.3313	03	2.000	0.3333	04	5.000	0.3615
05	20.000	0.3449	06	50.000	0.3578	07	100.000	0.3629	08	150.000	0.3712
09	200.000	0.3829									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.159	02	1.000	1.154	03	2.000	1.266	04	5.000	1.142
05	20.000	1.128	06	50.000	1.204	07	100.000	1.193	08	150.000	1.237
09	200.000	1.215									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5869	02	1.000	0.5946	03	2.000	0.5265	04	5.000	0.5002
05	20.000	0.4739	06	50.000	0.5194	07	100.000	0.5101	08	150.000	0.5343
09	200.000	0.5415									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.239	02	1.000	1.229	03	2.000	1.145	04	5.000	1.181
05	20.000	1.23	06	50.000	1.242	07	100.000	1.233	08	150.000	1.215
09	200.000	1.207									

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.35	02	1.000	1.325	03	2.000	1.279	04	5.000	1.171
05	20.000	1.193	06	50.000	1.26	07	100.000	1.258	08	150.000	1.245
09	200.000	1.24									

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.913	02	1.000	2.941	03	2.000	2.963	04	5.000	2.994
05	20.000	2.951	06	50.000	3.094	07	100.000	3.127	08	150.000	3.096
09	200.000	3.046									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2004	03	2.000	0.2354	04	5.000	0.2285	05	20.000	0.2404
06	50.000	0.2503	07	100.000	0.2599	08	150.000	0.2578	09	200.000	0.2518

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3655	02	1.000	0.3839	03	2.000	0.3573	04	5.000	0.4044
05	20.000	0.4071	06	50.000	0.4315	07	100.000	0.4295	08	150.000	0.4351
09	200.000	0.4231									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.702	02	1.000	1.681	03	2.000	1.801	04	5.000	1.639
05	20.000	1.653	06	50.000	1.7	07	100.000	1.718	08	150.000	1.689
09	200.000	1.665									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6501	02	1.000	0.644	03	2.000	0.5998	04	5.000	0.5855
05	20.000	0.5779	06	50.000	0.6072	07	100.000	0.6065	08	150.000	0.6167
09	200.000	0.6336									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3582	02	1.000	0.4371	03	2.000	0.4387	04	5.000	0.4145
05	20.000	0.4267	06	50.000	0.4325	07	100.000	0.44	08	150.000	0.4429
09	200.000	0.4557									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.811	02	1.000	3.099	03	2.000	2.964	04	5.000	2.911
05	20.000	2.961	06	50.000	3.086	07	100.000	3.152	08	150.000	3.099
09	200.000	3.14									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.014	02	1.000	1.639	03	2.000	1.727	04	5.000	1.702
05	20.000	1.625	06	50.000	1.698	07	100.000	1.688	08	150.000	1.665
09	200.000	1.65									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.044	02	1.000	1.838	03	2.000	1.649	04	5.000	1.763
05	20.000	1.704	06	50.000	1.731	07	100.000	1.717	08	150.000	1.702
09	200.000	1.702									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.00659	03	40.000	0.007083	04	100.000	0.006854	05	400.000	0.006706
06	1000.000	0.006978	07	2000.000	0.007205	08	3000.000	0.007518	09	4000.000	0.007325

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4491	05	20.000	0.4204	06	50.000	0.4507	07	100.000	0.4693
08	150.000	0.4733	09	200.000	0.4647						

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4538	05	20.000	0.4704	06	50.000	0.4821	07	100.000	0.4977
08	150.000	0.5009	09	200.000	0.4944						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4964	05	20.000	0.4727	06	50.000	0.5433	07	100.000	0.5548
08	200.000	0.5553									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.231	02	1.000	3.011	03	2.000	2.995	04	5.000	3.093
05	20.000	3.083	06	50.000	3.281	07	100.000	3.285	08	150.000	3.225
09	200.000	3.215									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.4607	04	5.000	0.5253	05	20.000	0.5634	06	50.000	0.542
07	100.000	0.5698	08	150.000	0.5818	09	200.000	0.5964			

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.404	05	20.000	0.343	06	50.000	0.3548	07	100.000	0.3461
08	150.000	0.3411	09	200.000	0.3454						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.618	02	1.000	1.536	03	2.000	1.512	04	5.000	1.479
05	20.000	1.471	06	50.000	1.552	07	100.000	1.543	08	150.000	1.541
09	200.000	1.58									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2891	02	1.000	0.398	03	2.000	0.4114	04	5.000	0.3414
05	20.000	0.3509	06	50.000	0.3634	07	100.000	0.3693	08	150.000	0.3793
09	200.000	0.3787									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4426	02	1.000	0.4507	03	2.000	0.4614	04	5.000	0.4614
05	20.000	0.4744	06	50.000	0.4903	07	100.000	0.5067	08	150.000	0.5166
09	200.000	0.5367									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.1996	03	2.000	0.2188	04	5.000	0.2197	05	20.000	0.2447
06	50.000	0.2862	07	100.000	0.2985	08	150.000	0.317	09	200.000	0.3192

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.8391	03	2.000	0.7707	04	5.000	0.6523	05	20.000	0.5121
06	50.000	0.5431	07	100.000	0.8873	08	150.000	0.9299			

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.894	02	1.000	1.642	03	2.000	1.624	04	5.000	1.403
05	20.000	1.521	06	50.000	1.522	07	100.000	1.526	08	150.000	1.565
09	200.000	1.644									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4456	02	1.000	0.4585	03	2.000	0.4054	04	5.000	0.4263
05	20.000	0.4105	06	50.000	0.4385	07	100.000	0.4504	08	150.000	0.4579
09	200.000	0.4767									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.17	02	1.000	1.084	03	2.000	1.121	04	5.000	1.096
05	20.000	1.101	06	50.000	1.154	07	100.000	1.151	08	150.000	1.142

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	1.128									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5322	02	1.000	0.6565	03	2.000	0.5457	04	5.000	0.5202
05	20.000	0.4888	06	50.000	0.5426	07	100.000	0.5317	08	150.000	0.5503
09	200.000	0.5506									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.079	02	1.000	1.194	03	2.000	0.9738	04	5.000	1.008
05	20.000	0.9726	06	50.000	1.048	07	100.000	1.044	08	150.000	1.066
09	200.000	1.06									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.166	02	1.000	0.9348	03	2.000	1.062	04	5.000	0.9796
05	20.000	0.8718	06	50.000	0.9496	07	100.000	0.9022	08	150.000	0.9689
09	200.000	0.9641									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.5537	03	2.000	0.4632	04	5.000	0.4225	05	20.000	0.3988
06	50.000	0.4275	07	100.000	0.4366	08	150.000	0.4319	09	200.000	0.4452

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3629	02	1.000	0.4183	03	2.000	0.3549	04	5.000	0.3676
05	20.000	0.3738	06	50.000	0.4034	07	100.000	0.4168	08	150.000	0.4259
09	200.000	0.4228									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3539	05	20.000	0.303	06	50.000	0.3338	07	100.000	0.3319
08	200.000	0.315									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6072	02	1.000	0.7337	03	2.000	0.6547	04	5.000	0.7376
05	20.000	0.6868	06	50.000	0.7597	07	100.000	0.7297	08	150.000	0.7613
09	200.000	0.7645									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7741	02	1.000	0.6683	03	2.000	0.6019	04	5.000	0.6034
05	20.000	0.5534	06	50.000	0.6066	07	100.000	0.5917	08	150.000	0.6274
09	200.000	0.6242									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5122	02	1.000	0.6071	03	2.000	0.5722	04	5.000	0.5611
05	20.000	0.5868	06	50.000	0.631	07	100.000	0.6133	08	150.000	0.6236
09	200.000	0.6071									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.735	02	1.000	1.906	03	2.000	1.835	04	5.000	1.794
05	20.000	1.833	06	50.000	2.026	07	100.000	2.043	08	150.000	2.049
09	200.000	2.012									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.776	03	2.000	0.7608	04	5.000	0.7387	05	20.000	0.6946
06	50.000	0.7291	07	100.000	0.7321	08	150.000	0.7495	09	200.000	0.7614

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.925	02	1.000	2.117	03	2.000	1.953	04	5.000	1.974
05	20.000	1.899	06	50.000	2.056	07	100.000	2.034	08	150.000	2.118
09	200.000	2.136									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6022	02	1.000	0.5952	03	2.000	0.5614	04	5.000	0.4571
05	20.000	0.4956	06	50.000	0.5176	07	100.000	0.5278	08	150.000	0.5317
09	200.000	0.5474									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.072	02	1.000	2.858	03	2.000	3.2	04	5.000	3.354
05	20.000	3.411	06	50.000	3.596	07	100.000	3.551	08	150.000	3.486
09	200.000	3.449									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.038	02	1.000	1.126	03	2.000	1.109	04	5.000	1.183
05	20.000	1.197	06	50.000	1.344	07	100.000	1.345	08	150.000	1.392
09	200.000	1.369									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3601	02	1.000	0.327	03	2.000	0.346	04	5.000	0.3116
05	20.000	0.2862	06	50.000	0.3265	07	100.000	0.3116	08	150.000	0.314
09	200.000	0.3072									

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.562	02	1.000	1.63	03	2.000	1.599	04	5.000	1.573
05	20.000	1.538	06	50.000	1.645	07	100.000	1.636	08	150.000	1.679
09	200.000	1.688									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.493	05	20.000	1.265	06	50.000	1.341	07	100.000	1.365
08	200.000	1.314									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.489	02	1.000	0.4208	03	2.000	0.3859	04	5.000	0.363
05	20.000	0.349	06	50.000	0.3582	07	100.000	0.3583	08	150.000	0.3558
09	200.000	0.3591									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9529	02	1.000	0.8442	03	2.000	0.8264	04	5.000	0.8506
05	20.000	0.8139	06	50.000	0.903	07	100.000	0.8558	08	150.000	0.8921
09	200.000	0.8883									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9323	02	1.000	0.8918	03	2.000	0.882	04	5.000	0.8745
05	20.000	0.8447	06	50.000	0.9212	07	100.000	0.9009	08	150.000	0.933
09	200.000	0.9461									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6566	02	1.000	0.6561	03	2.000	0.5862	04	5.000	0.5856
05	20.000	0.5765	06	50.000	0.6316	07	100.000	0.6195	08	150.000	0.6342
09	200.000	0.6294									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5999	02	1.000	0.6323	03	2.000	0.5967	04	5.000	0.5906
05	20.000	0.6136	06	50.000	0.6567	07	100.000	0.6752	08	150.000	0.6948
09	200.000	0.7071									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7735	02	2.000	0.7224	03	4.000	0.7458	04	10.000	0.6882
05	40.000	0.7192	06	100.000	0.8006	07	200.000	0.7911	08	300.000	0.7997
09	400.000	0.7931									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.996	02	1.000	2.787	03	2.000	3.05	04	5.000	2.901
05	20.000	3.108	06	50.000	3.369	07	100.000	3.397	08	150.000	3.352
09	200.000	3.338									

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	4.465	02	1.000	4.827	03	2.000	4.375	04	5.000	4.408
05	20.000	4.214	06	50.000	4.508	07	100.000	4.465	08	150.000	4.319
09	200.000	4.32									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.699	02	1.000	0.7535	03	2.000	0.6826	04	5.000	0.6939
05	20.000	0.7067	06	50.000	0.7767	07	100.000	0.7667	08	150.000	0.7865
09	200.000	0.785									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.846	02	1.000	3.858	03	2.000	3.826	04	5.000	3.762
05	20.000	3.748	06	50.000	4.006	07	100.000	3.995	08	150.000	3.92
09	200.000	3.879									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.63	02	1.000	2.643	03	2.000	2.513	04	5.000	2.527
05	20.000	2.446	06	50.000	2.583	07	100.000	2.574	08	150.000	2.541
09	200.000	2.542									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5544	02	1.000	0.5884	03	2.000	0.5536	04	5.000	0.5346
05	20.000	0.5007	06	50.000	0.5715	07	100.000	0.5716	08	150.000	0.5874
09	200.000	0.5912									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5295	02	1.000	0.5441	03	2.000	0.5619	04	5.000	0.5437
05	20.000	0.5758	06	50.000	0.6141	07	100.000	0.6315	08	150.000	0.6496
09	200.000	0.6761									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	4.5	20	0.8774	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	8.3	20	1.124	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	5.7	20	0.4846	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	5.9	20	0.3599	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	3.9	20	1.189	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	20	0.5319	0.100
1,2,3-Trichlorobenzene	TRG	Average RF	% RSD	2.6	20	1.213	
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	4.5	20	1.258	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	2.6	20	3.014	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	8.1	20	0.2406	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	7.2	20	0.4042	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	2.8	20	1.694	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	4.1	20	0.6135	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	6.6	20	0.4274	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	3.9	20	3.025	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	6.9	20	1.712	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	6.7	20	1.761	0.500
1,4-Dioxane	TRG	Average RF	% RSD	4.5	20	0.007032	
2-Butanone (MEK)	TRG	Average RF	% RSD	4.3	20	0.4546	0.05
2-Hexanone	TRG	Average RF	% RSD	3.8	20	0.4832	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.2	20	0.5245	
4-Isopropyltoluene	TRG	Average RF	% RSD	3.6	20	3.158	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	8.3	20	0.5485	0.05
Acetone	TRG	Average RF	% RSD	6.8	20	0.3557	0.05
Benzene	TRG	Average RF	% RSD	3.0	20	1.537	0.500
Bromochloromethane	TRG	Average RF	% RSD	9.8	20	0.3646	
Bromodichloromethane	TRG	Average RF	% RSD	6.7	20	0.4823	0.200
Bromoform	TRG	Quadratic	COD	0.9972	0.99	0.263	0.100
Bromomethane	TRG	Quadratic	COD	0.9920	0.99	0.7335	0.100
Carbon Disulfide	TRG	Average RF	% RSD	8.5	20	1.593	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	5.3	20	0.4411	0.05
Chlorobenzene	TRG	Average RF	% RSD	2.6	20	1.127	0.500
Chloroethane	TRG	Average RF	% RSD	8.3	20	0.5465	0.100
Chloroform	TRG	Average RF	% RSD	6.3	20	1.049	0.200

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	9.0	20	0.9777	0.100
Cyclohexane	TRG	Average RF	% RSD	10.4	20	0.4474	0.100
Dibromochloromethane	TRG	Average RF	% RSD	7.3	20	0.394	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	5.9	20	0.3275	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	7.6	20	0.715	0.100
Dichloromethane	TRG	Average RF	% RSD	10.0	20	0.6279	0.100
Ethylbenzene	TRG	Average RF	% RSD	6.3	20	0.5905	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	6.3	20	1.915	0.100
Methyl Acetate	TRG	Average RF	% RSD	3.4	20	0.7428	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	4.4	20	2.024	0.100
Methylcyclohexane	TRG	Average RF	% RSD	8.6	20	0.5373	0.100
Naphthalene	TRG	Average RF	% RSD	7.3	20	3.331	
Styrene	TRG	Average RF	% RSD	10.6	20	1.234	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	6.8	20	0.3211	0.200
Toluene	TRG	Average RF	% RSD	3.2	20	1.617	0.400
Toluene-d8	SURR	Average RF	% RSD	6.3	20	1.356	
Trichloroethene (TCE)	TRG	Average RF	% RSD	12.0	20	0.3821	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	5.0	20	0.8697	0.100
Vinyl Chloride	TRG	Average RF	% RSD	3.7	20	0.903	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.9	20	0.6195	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	6.9	20	0.6408	0.200
m,p-Xylenes	TRG	Average RF	% RSD	5.5	20	0.7593	0.100
n-Butylbenzene	TRG	Average RF	% RSD	7.2	20	3.144	
n-Propylbenzene	TRG	Average RF	% RSD	3.9	20	4.433	
o-Xylene	TRG	Average RF	% RSD	5.8	20	0.739	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	2.3	20	3.871	
tert-Butylbenzene	TRG	Average RF	% RSD	2.4	20	2.555	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	20	0.5615	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	8.9	20	0.5918	0.100

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900035-01	0.5 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5210.D	03/26/2019 12:53
02	RC1900035-02	1.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5211.D	03/26/2019 13:15
03	RC1900035-03	2.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5212.D	03/26/2019 13:37
04	RC1900035-04	5.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5213.D	03/26/2019 13:59
05	RC1900035-05	20 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5214.D	03/26/2019 14:21
06	RC1900035-06	50 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5215.D	03/26/2019 14:44
07	RC1900035-07	100 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5216.D	03/26/2019 15:06
08	RC1900035-08	150 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5217.D	03/26/2019 15:28
09	RC1900035-09	200 PPB STD	I:\ACQUADATA\MSVOA14\Data\032619\F5218.D	03/26/2019 15:50

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5981	02	1.000	0.629	03	2.000	0.5451	04	5.000	0.6346
05	20.000	0.7182	06	50.000	0.7113	07	100.000	0.7065	08	150.000	0.6887
09	200.000	0.7462									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.027	02	1.000	1.042	03	2.000	1.047	04	5.000	1.036
05	20.000	1.084	06	50.000	1.047	07	100.000	1.026	08	150.000	1.04
09	200.000	1.117									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3761	02	1.000	0.3798	03	2.000	0.3019	04	5.000	0.3744
05	20.000	0.4036	06	50.000	0.4019	07	100.000	0.3921	08	150.000	0.3669
09	200.000	0.4111									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3518	02	1.000	0.3286	03	2.000	0.3386	04	5.000	0.3404
05	20.000	0.3825	06	50.000	0.3704	07	100.000	0.3637	08	150.000	0.3588
09	200.000	0.3664									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7438	02	1.000	0.8361	03	2.000	0.772	04	5.000	0.8642
05	20.000	0.9394	06	50.000	0.9023	07	100.000	0.8923	08	150.000	0.8708
09	200.000	0.9075									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3951	02	1.000	0.3995	03	2.000	0.3607	04	5.000	0.387
05	20.000	0.4628	06	50.000	0.4443	07	100.000	0.4359	08	150.000	0.4199
09	200.000	0.4536									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035
Instrument ID: R-MS-14

Signal ID: 1

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.6796	03	2.000	0.7332	04	5.000	0.9115	05	20.000	1.117
06	50.000	1.11	07	100.000	1.112	08	150.000	1.095	09	200.000	1.205

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.7662	03	2.000	0.7964	04	5.000	0.9793	05	20.000	1.14
06	50.000	1.117	07	100.000	1.117	08	150.000	1.101	09	200.000	1.217

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.051	02	1.000	2.284	03	2.000	2.236	04	5.000	2.494
05	20.000	2.757	06	50.000	2.683	07	100.000	2.609	08	150.000	2.472
09	200.000	2.832									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.1859	03	2.000	0.2037	04	5.000	0.2035	05	20.000	0.2461
06	50.000	0.2669	07	100.000	0.2851	08	150.000	0.2955	09	200.000	0.313

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3455	02	1.000	0.4134	03	2.000	0.3947	04	5.000	0.3803
05	20.000	0.4357	06	50.000	0.4347	07	100.000	0.4284	08	150.000	0.4286
09	200.000	0.4354									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.488	02	1.000	1.599	03	2.000	1.567	04	5.000	1.556
05	20.000	1.698	06	50.000	1.646	07	100.000	1.594	08	150.000	1.537
09	200.000	1.674									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4116	02	1.000	0.4525	03	2.000	0.4661	04	5.000	0.4659
05	20.000	0.5073	06	50.000	0.4891	07	100.000	0.472	08	150.000	0.4701
09	200.000	0.4796									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3399	02	1.000	0.36	03	2.000	0.3018	04	5.000	0.351
05	20.000	0.3884	06	50.000	0.3748	07	100.000	0.3684	08	150.000	0.3636
09	200.000	0.3761									

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.155	02	1.000	2.313	03	2.000	2.162	04	5.000	2.513
05	20.000	2.681	06	50.000	2.63	07	100.000	2.54	08	150.000	2.36

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1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	2.79									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.557	02	1.000	1.578	03	2.000	1.437	04	5.000	1.572
05	20.000	1.658	06	50.000	1.607	07	100.000	1.565	08	150.000	1.498
09	200.000	1.669									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.763	02	1.000	1.714	03	2.000	1.595	04	5.000	1.626
05	20.000	1.692	06	50.000	1.634	07	100.000	1.608	08	150.000	1.538
09	200.000	1.688									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.007168	03	40.000	0.006749	04	100.000	0.006785	05	400.000	0.007736
06	1000.000	0.008037	07	2000.000	0.008347	08	3000.000	0.008729	09	4000.000	0.008193

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3415	02	1.000	0.3989	03	2.000	0.3752	04	5.000	0.3426
05	20.000	0.3697	06	50.000	0.3593	07	100.000	0.3589	08	150.000	0.3709
09	200.000	0.352									

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3238	03	2.000	0.3313	04	5.000	0.3236	05	20.000	0.367
06	50.000	0.3835	07	100.000	0.3893	08	150.000	0.4047	09	200.000	0.3907

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.6049	05	20.000	0.4866	06	50.000	0.4988	07	100.000	0.5028
08	200.000	0.482									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.226	02	1.000	2.381	03	2.000	2.277	04	5.000	2.622
05	20.000	2.787	06	50.000	2.783	07	100.000	2.701	08	150.000	2.549
09	200.000	2.979									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3825	03	2.000	0.398	04	5.000	0.4029	05	20.000	0.4346
06	50.000	0.4496	07	100.000	0.4578	08	150.000	0.4738	09	200.000	0.4563

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Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2638	05	20.000	0.2494	06	50.000	0.2409	07	100.000	0.2353
08	150.000	0.2445	09	200.000	0.2323						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.26	02	1.000	1.27	03	2.000	1.176	04	5.000	1.307
05	20.000	1.413	06	50.000	1.378	07	100.000	1.357	08	150.000	1.321
09	200.000	1.394									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3378	02	1.000	0.368	03	2.000	0.3697	04	5.000	0.3648
05	20.000	0.4044	06	50.000	0.381	07	100.000	0.3705	08	150.000	0.3661
09	200.000	0.3747									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3433	02	1.000	0.3762	03	2.000	0.4026	04	5.000	0.3924
05	20.000	0.447	06	50.000	0.4396	07	100.000	0.4423	08	150.000	0.4428
09	200.000	0.4621									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2222	02	1.000	0.1932	03	2.000	0.1974	04	5.000	0.2099
05	20.000	0.25	06	50.000	0.2636	07	100.000	0.2846	08	150.000	0.2963
09	200.000	0.3138									

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5518	02	1.000	0.4975	03	2.000	0.4321	04	5.000	0.4007
05	20.000	0.3881	06	50.000	0.3247	07	100.000	0.2474			

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.109	02	1.000	1.08	03	2.000	0.9093	04	5.000	1.043
05	20.000	1.011	06	50.000	1.129	07	100.000	1.217	08	150.000	1.218
09	200.000	1.234									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3283	02	1.000	0.3511	03	2.000	0.2854	04	5.000	0.3232
05	20.000	0.3702	06	50.000	0.3725	07	100.000	0.3793	08	150.000	0.3613
09	200.000	0.4134									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.035	02	1.000	1.04	03	2.000	1.017	04	5.000	1.043

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Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	1.121	06	50.000	1.081	07	100.000	1.065	08	150.000	1.035
09	200.000	1.102									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3495	02	1.000	0.3904	03	2.000	0.303	04	5.000	0.3458
05	20.000	0.3878	06	50.000	0.372	07	100.000	0.3528	08	150.000	0.2488
09	200.000	0.371									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7843	02	1.000	0.8317	03	2.000	0.8176	04	5.000	0.8316
05	20.000	0.9183	06	50.000	0.8709	07	100.000	0.8568	08	150.000	0.8454
09	200.000	0.8739									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6637	02	1.000	0.6607	03	2.000	0.5936	04	5.000	0.6142
05	20.000	0.6956	06	50.000	0.6682	07	100.000	0.6673	08	150.000	0.6624
09	200.000	0.6756									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2382	02	1.000	0.2758	03	2.000	0.2171	04	5.000	0.2502
05	20.000	0.2463	06	50.000	0.2537	07	100.000	0.2372	08	150.000	0.2779
09	200.000	0.2785									

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3478	02	1.000	0.3375	03	2.000	0.3369	04	5.000	0.3255
05	20.000	0.3841	06	50.000	0.397	07	100.000	0.4069	08	150.000	0.4067
09	200.000	0.431									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3847	05	20.000	0.3125	06	50.000	0.3309	07	100.000	0.3287
08	200.000	0.309									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5434	02	1.000	0.5512	03	2.000	0.4653	04	5.000	0.5133
05	20.000	0.6648	06	50.000	0.6477	07	100.000	0.6277	08	150.000	0.6028
09	200.000	0.6535									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5747	02	1.000	0.5496	03	2.000	0.5184	04	5.000	0.5236

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Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.5587	06	50.000	0.5268	07	100.000	0.517	08	150.000	0.5037
09	200.000	0.5189									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5192	02	1.000	0.4825	03	2.000	0.4802	04	5.000	0.537
05	20.000	0.5771	06	50.000	0.5666	07	100.000	0.5602	08	150.000	0.5347
09	200.000	0.5891									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.416	02	1.000	1.519	03	2.000	1.386	04	5.000	1.579
05	20.000	1.75	06	50.000	1.762	07	100.000	1.722	08	150.000	1.643
09	200.000	1.873									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4074	02	1.000	0.4903	03	2.000	0.5143	04	5.000	0.5139
05	20.000	0.5323	06	50.000	0.5338	07	100.000	0.5313	08	150.000	0.5272
09	200.000	0.5218									

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.441	02	1.000	1.563	03	2.000	1.549	04	5.000	1.543
05	20.000	1.682	06	50.000	1.618	07	100.000	1.622	08	150.000	1.641
09	200.000	1.651									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3331	02	1.000	0.361	03	2.000	0.2867	04	5.000	0.3504
05	20.000	0.34	06	50.000	0.3596	07	100.000	0.3392	08	150.000	0.3997
09	200.000	0.4015									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	1.658	03	2.000	1.955	04	5.000	2.556	05	20.000	3.491
06	50.000	3.57	07	100.000	3.593	08	150.000	3.549	09	200.000	3.764

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9353	02	1.000	0.9881	03	2.000	1.024	04	5.000	1.072
05	20.000	1.211	06	50.000	1.213	07	100.000	1.202	08	150.000	1.166
09	200.000	1.254									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4042	02	1.000	0.3542	03	2.000	0.2853	04	5.000	0.3034

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Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	0.3246	06	50.000	0.3236	07	100.000	0.3098	08	150.000	0.2892
09	200.000	0.3285									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.389	02	1.000	1.342	03	2.000	1.258	04	5.000	1.36
05	20.000	1.501	06	50.000	1.481	07	100.000	1.443	08	150.000	1.403
09	200.000	1.514									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.551	05	20.000	1.276	06	50.000	1.304	07	100.000	1.299
08	200.000	1.22									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3118	02	1.000	0.3577	03	2.000	0.3092	04	5.000	0.3582
05	20.000	0.395	06	50.000	0.388	07	100.000	0.38	08	150.000	0.3599
09	200.000	0.3808									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5966	02	1.000	0.6663	03	2.000	0.5632	04	5.000	0.64
05	20.000	0.7155	06	50.000	0.7055	07	100.000	0.6896	08	150.000	0.6626
09	200.000	0.7221									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5292	02	1.000	0.5328	03	2.000	0.483	04	5.000	0.5611
05	20.000	0.6575	06	50.000	0.6522	07	100.000	0.6479	08	150.000	0.6139
09	200.000	0.6459									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4792	02	1.000	0.5578	03	2.000	0.5028	04	5.000	0.5344
05	20.000	0.5767	06	50.000	0.5528	07	100.000	0.5473	08	150.000	0.5431
09	200.000	0.5607									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4545	02	1.000	0.4896	03	2.000	0.4911	04	5.000	0.5184
05	20.000	0.5861	06	50.000	0.5925	07	100.000	0.5963	08	150.000	0.5988
09	200.000	0.6187									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6009	02	2.000	0.6541	03	4.000	0.5758	04	10.000	0.6579

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m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	40.000	0.7179	06	100.000	0.7069	07	200.000	0.6931	08	300.000	0.6593
09	400.000	0.7302									

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	2.028	03	2.000	1.819	04	5.000	2.186	05	20.000	2.396
06	50.000	2.427	07	100.000	2.394	08	150.000	2.305	09	200.000	2.695

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.104	02	1.000	3.337	03	2.000	2.96	04	5.000	3.398
05	20.000	3.692	06	50.000	3.691	07	100.000	3.519	08	150.000	3.243
09	200.000	3.92									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5666	02	1.000	0.641	03	2.000	0.5876	04	5.000	0.6477
05	20.000	0.7173	06	50.000	0.7004	07	100.000	0.6888	08	150.000	0.66
09	200.000	0.7225									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.627	02	1.000	2.855	03	2.000	2.53	04	5.000	3.048
05	20.000	3.293	06	50.000	3.308	07	100.000	3.197	08	150.000	3.002
09	200.000	3.535									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.909	02	1.000	2.082	03	2.000	1.797	04	5.000	2.15
05	20.000	2.29	06	50.000	2.28	07	100.000	2.202	08	150.000	2.048
09	200.000	2.416									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4515	02	1.000	0.4861	03	2.000	0.4133	04	5.000	0.4435
05	20.000	0.5026	06	50.000	0.4851	07	100.000	0.4747	08	150.000	0.4621
09	200.000	0.4915									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3937	02	1.000	0.414	03	2.000	0.4154	04	5.000	0.4509
05	20.000	0.516	06	50.000	0.5311	07	100.000	0.543	08	150.000	0.5521
09	200.000	0.5735									

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Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	9.9	20	0.6642	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	2.8	20	1.052	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	8.6	20	0.3786	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	4.9	20	0.3557	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	7.5	20	0.8587	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	8.2	20	0.4176	0.100
1,2,3-Trichlorobenzene	TRG	Quadratic	COD	0.9982	0.99	0.9954	
1,2,4-Trichlorobenzene	TRG	Quadratic	COD	0.9977	0.99	1.029	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	10.4	20	2.491	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Quadratic	COD	0.9991	0.99	0.25	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	7.6	20	0.4107	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	4.2	20	1.596	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	5.6	20	0.4682	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	7.1	20	0.3582	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	9.2	20	2.461	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	4.6	20	1.571	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	4.2	20	1.651	0.500
1,4-Dioxane	TRG	Average RF	% RSD	9.6	20	0.007718	
2-Butanone (MEK)	TRG	Average RF	% RSD	4.9	20	0.3632	0.05
2-Hexanone	TRG	Average RF	% RSD	9.1	20	0.3642	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.9	20	0.515	
4-Isopropyltoluene	TRG	Average RF	% RSD	9.8	20	2.589	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	7.7	20	0.432	0.05
Acetone	TRG	Average RF	% RSD	4.6	20	0.2444	0.05
Benzene	TRG	Average RF	% RSD	5.7	20	1.32	0.500
Bromochloromethane	TRG	Average RF	% RSD	4.7	20	0.3708	
Bromodichloromethane	TRG	Average RF	% RSD	9.5	20	0.4165	0.200
Bromoform	TRG	Quadratic	COD	0.9981	0.99	0.2479	0.100
Bromomethane	TRG	Quadratic	COD	0.9998	0.99	0.406	0.100
Carbon Disulfide	TRG	Average RF	% RSD	9.8	20	1.106	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	10.5	20	0.3539	0.05
Chlorobenzene	TRG	Average RF	% RSD	3.3	20	1.06	0.500
Chloroethane	TRG	Average RF	% RSD	13.0	20	0.3468	0.100
Chloroform	TRG	Average RF	% RSD	4.5	20	0.8478	0.200

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/26/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035
Instrument ID: R-MS-14

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	4.8	20	0.6557	0.100
Cyclohexane	TRG	Average RF	% RSD	8.4	20	0.2528	0.100
Dibromochloromethane	TRG	Average RF	% RSD	10.2	20	0.3748	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	9.1	20	0.3332	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	12.0	20	0.5855	0.100
Dichloromethane	TRG	Average RF	% RSD	4.4	20	0.5324	0.100
Ethylbenzene	TRG	Average RF	% RSD	7.3	20	0.5385	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	10.2	20	1.628	0.100
Methyl Acetate	TRG	Average RF	% RSD	7.9	20	0.5081	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	4.6	20	1.59	0.100
Methylcyclohexane	TRG	Average RF	% RSD	9.9	20	0.3524	0.100
Naphthalene	TRG	Quadratic	COD	0.9988	0.99	3.017	
Styrene	TRG	Average RF	% RSD	10.3	20	1.118	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	11.3	20	0.3247	0.200
Toluene	TRG	Average RF	% RSD	5.9	20	1.41	0.400
Toluene-d8	SURR	Average RF	% RSD	9.6	20	1.33	
Trichloroethene (TCE)	TRG	Average RF	% RSD	8.6	20	0.3601	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	8.2	20	0.6624	0.100
Vinyl Chloride	TRG	Average RF	% RSD	11.1	20	0.5915	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	5.6	20	0.5394	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	11.1	20	0.5496	0.200
m,p-Xylenes	TRG	Average RF	% RSD	7.8	20	0.6662	0.100
n-Butylbenzene	TRG	Average RF	% RSD	11.8	20	2.281	
n-Propylbenzene	TRG	Average RF	% RSD	9.0	20	3.429	
o-Xylene	TRG	Average RF	% RSD	8.3	20	0.6591	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	10.9	20	3.044	
tert-Butylbenzene	TRG	Average RF	% RSD	9.1	20	2.13	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	6.0	20	0.4678	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	14.2	20	0.4877	0.100

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900043-01	1.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6040.D	04/19/2019 12:21
02	RC1900043-02	2.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6041.D	04/19/2019 12:44
03	RC1900043-03	5.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6042.D	04/19/2019 13:07
04	RC1900043-04	20.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6043.D	04/19/2019 13:33
05	RC1900043-05	50.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6044.D	04/19/2019 13:56
06	RC1900043-06	100.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6045.D	04/19/2019 14:19
07	RC1900043-07	150.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6046.D	04/19/2019 14:44
08	RC1900043-08	200.0 PPB STD	I:\ACQUADATA\MSVOA14\Data\041919\F6047.D	04/19/2019 15:07

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7427	02	2.000	0.6967	03	5.000	0.6642	04	20.000	0.6855
05	50.000	0.6756	06	100.000	0.678	07	150.000	0.707	08	200.000	0.7196

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7586	02	2.000	0.7941	03	5.000	0.7791	04	20.000	0.714
05	50.000	0.7993	06	100.000	0.7518	07	150.000	0.7832	08	200.000	0.8681

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5003	02	2.000	0.4365	03	5.000	0.4238	04	20.000	0.424
05	50.000	0.4177	06	100.000	0.3969	07	150.000	0.4264	08	200.000	0.4322

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2839	02	2.000	0.3024	03	5.000	0.2951	04	20.000	0.2847
05	50.000	0.2953	06	100.000	0.2945	07	150.000	0.2967	08	200.000	0.2997

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.927	02	2.000	0.8761	03	5.000	0.8626	04	20.000	0.8859
05	50.000	0.8727	06	100.000	0.8718	07	150.000	0.8938	08	200.000	0.8929

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4954	02	2.000	0.4002	03	5.000	0.4121	04	20.000	0.4272
05	50.000	0.4162	06	100.000	0.4141	07	150.000	0.4268	08	200.000	0.4379

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4715	02	2.000	0.4741	03	5.000	0.6265	04	20.000	0.7815
05	50.000	0.8926	06	100.000	0.924	07	150.000	0.9481	08	200.000	0.9775

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6022	02	2.000	0.6309	03	5.000	0.7958	04	20.000	0.9703
05	50.000	1.041	06	100.000	1.075	07	150.000	1.097	08	200.000	1.116

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.579	02	2.000	2.444	03	5.000	2.591	04	20.000	2.732
05	50.000	2.796	06	100.000	2.69	07	150.000	2.766	08	200.000	2.83

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1378	02	2.000	0.1212	03	5.000	0.1224	04	20.000	0.13
05	50.000	0.1577	06	100.000	0.1583	07	150.000	0.1678			

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3547	02	2.000	0.3238	03	5.000	0.3193	04	20.000	0.3247
05	50.000	0.3445	06	100.000	0.3414	07	150.000	0.3421	08	200.000	0.3493

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.561	02	2.000	1.487	03	5.000	1.509	04	20.000	1.509
05	50.000	1.571	06	100.000	1.511	07	150.000	1.542	08	200.000	1.567

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4416	02	2.000	0.4535	03	5.000	0.4303	04	20.000	0.4335
05	50.000	0.4413	06	100.000	0.4378	07	150.000	0.4358	08	200.000	0.4394

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3245	02	2.000	0.3217	03	5.000	0.3266	04	20.000	0.3303
05	50.000	0.341	06	100.000	0.3453	07	150.000	0.3468	08	200.000	0.3476

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.685	02	2.000	2.432	03	5.000	2.594	04	20.000	2.685
05	50.000	2.747	06	100.000	2.629	07	150.000	2.712	08	200.000	2.806

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.808	02	2.000	1.572	03	5.000	1.578	04	20.000	1.588
05	50.000	1.605	06	100.000	1.568	07	150.000	1.601	08	200.000	1.627

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.803	02	2.000	1.609	03	5.000	1.624	04	20.000	1.607
05	50.000	1.629	06	100.000	1.582	07	150.000	1.62	08	200.000	1.643

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

1,4-Dioxane											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	0.004585	02	40.000	0.004869	03	100.000	0.004722	04	400.000	0.004418
05	1000.000	0.005023	06	2000.000	0.004651	07	3000.000	0.004808	08	4000.000	0.004889
2-Butanone (MEK)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.000	0.309	03	5.000	0.2645	04	20.000	0.258	05	50.000	0.2602
06	100.000	0.2491	07	150.000	0.2562	08	200.000	0.2556			
2-Hexanone											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2628	02	2.000	0.2313	03	5.000	0.2457	04	20.000	0.2544
05	50.000	0.2764	06	100.000	0.2726	07	150.000	0.2824	08	200.000	0.2848
4-Bromofluorobenzene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	0.5755	04	20.000	0.4645	05	50.000	0.4786	06	100.000	0.4577
07	200.000	0.4497									
4-Isopropyltoluene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.935	02	2.000	2.777	03	5.000	2.813	04	20.000	3.046
05	50.000	3.059	06	100.000	2.905	07	150.000	3	08	200.000	3.063
4-Methyl-2-pentanone											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3042	02	2.000	0.2881	03	5.000	0.2937	04	20.000	0.3034
05	50.000	0.3266	06	100.000	0.3258	07	150.000	0.3368	08	200.000	0.3376
Acetone											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.2313	04	20.000	0.2019	05	50.000	0.1948	06	100.000	0.1799
07	150.000	0.1822	08	200.000	0.1773						
Benzene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.335	02	2.000	1.246	03	5.000	1.241	04	20.000	1.232
05	50.000	1.231	06	100.000	1.238	07	150.000	1.259	08	200.000	1.261
Bromochloromethane											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3287	02	2.000	0.3145	03	5.000	0.3347	04	20.000	0.3365
05	50.000	0.3359	06	100.000	0.3375	07	150.000	0.3398	08	200.000	0.341
Bromodichloromethane											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4063	02	2.000	0.3577	03	5.000	0.3626	04	20.000	0.3824
05	50.000	0.402	06	100.000	0.4079	07	150.000	0.4196	08	200.000	0.4227

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

Bromoform								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1744	02	2.000	0.1587	03	5.000	0.1567
05	50.000	0.1895	06	100.000	0.2016	07	150.000	0.2127
						08	200.000	0.2277

Bromomethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5665	02	2.000	0.4585	03	5.000	0.3684
05	50.000	0.3255	06	100.000	0.295	07	150.000	0.243
						08	200.000	0.3509

Carbon Disulfide								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.392	02	2.000	1.242	03	5.000	1.173
05	50.000	1.257	06	100.000	1.292	07	150.000	1.323
						08	200.000	1.287

Carbon Tetrachloride								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1184	02	2.000	0.1071	03	5.000	0.09957
05	50.000	0.1037	06	100.000	0.1061	07	150.000	0.1126
						08	200.000	0.1154

Chlorobenzene								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.096	02	2.000	0.9957	03	5.000	0.9814
05	50.000	1.012	06	100.000	0.9932	07	150.000	1.001
						08	200.000	1.009

Chloroethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4174	02	2.000	0.3269	03	5.000	0.3388
05	50.000	0.3381	06	100.000	0.3376	07	150.000	0.3416
						08	200.000	0.3477

Chloroform								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9393	02	2.000	0.8323	03	5.000	0.8308
05	50.000	0.8423	06	100.000	0.8491	07	150.000	0.8535
						08	200.000	0.854

Chloromethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7514	02	2.000	0.6376	03	5.000	0.6134
05	50.000	0.6059	06	100.000	0.6227	07	150.000	0.6316
						08	200.000	0.63

Cyclohexane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.347	02	2.000	0.3003	03	5.000	0.295
05	50.000	0.2909	06	100.000	0.2909	07	150.000	0.3011
						08	200.000	0.2897

Dibromochloromethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3038	02	2.000	0.282	03	5.000	0.2846
05	50.000	0.3264	06	100.000	0.3407	07	150.000	0.345
						08	200.000	0.3606

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	0.3099	04	20.000	0.2751	05	50.000	0.3058	06	100.000	0.3005
07	200.000	0.2938									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7323	02	2.000	0.5918	03	5.000	0.5848	04	20.000	0.6478
05	50.000	0.6195	06	100.000	0.6173	07	150.000	0.6504	08	200.000	0.6578

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7448	02	2.000	0.5688	03	5.000	0.5202	04	20.000	0.5107
05	50.000	0.5086	06	100.000	0.5033	07	150.000	0.5015	08	200.000	0.5043

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5517	02	2.000	0.5046	03	5.000	0.5281	04	20.000	0.523
05	50.000	0.5403	06	100.000	0.5283	07	150.000	0.547	08	200.000	0.5439

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.714	02	2.000	1.559	03	5.000	1.628	04	20.000	1.709
05	50.000	1.729	06	100.000	1.67	07	150.000	1.716	08	200.000	1.722

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4027	02	2.000	0.4035	03	5.000	0.3875	04	20.000	0.372
05	50.000	0.3784	06	100.000	0.3578	07	150.000	0.3755	08	200.000	0.3863

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.44	02	2.000	1.452	03	5.000	1.429	04	20.000	1.435
05	50.000	1.475	06	100.000	1.469	07	150.000	1.5	08	200.000	1.518

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4559	02	2.000	0.4157	03	5.000	0.4001	04	20.000	0.408
05	50.000	0.4299	06	100.000	0.4349	07	150.000	0.4457	08	200.000	0.4297

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.8392	02	2.000	1.091	03	5.000	1.518	04	20.000	1.935
05	50.000	2.311	06	100.000	2.303	07	150.000	2.357	08	200.000	2.494

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9758	02	2.000	0.9566	03	5.000	1.014	04	20.000	1.073
05	50.000	1.131	06	100.000	1.123	07	150.000	1.145	08	200.000	1.143

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3374	02	2.000	0.285	03	5.000	0.3001	04	20.000	0.2971
05	50.000	0.2984	06	100.000	0.2856	07	150.000	0.2953	08	200.000	0.2986

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.472	02	2.000	1.341	03	5.000	1.341	04	20.000	1.343
05	50.000	1.336	06	100.000	1.333	07	150.000	1.372	08	200.000	1.368

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	10.000	1.35	04	20.000	1.113	05	50.000	1.239	06	100.000	1.201
07	200.000	1.161									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3834	02	2.000	0.3426	03	5.000	0.3576	04	20.000	0.3514
05	50.000	0.3443	06	100.000	0.3476	07	150.000	0.3494	08	200.000	0.3453

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7545	02	2.000	0.7174	03	5.000	0.6957	04	20.000	0.6972
05	50.000	0.6601	06	100.000	0.6613	07	150.000	0.6879	08	200.000	0.7009

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6698	02	2.000	0.597	03	5.000	0.5814	04	20.000	0.5962
05	50.000	0.5801	06	100.000	0.5797	07	150.000	0.5939	08	200.000	0.6107

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.562	02	2.000	0.5503	03	5.000	0.5257	04	20.000	0.5364
05	50.000	0.5355	06	100.000	0.5344	07	150.000	0.5399	08	200.000	0.5394

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4909	02	2.000	0.4731	03	5.000	0.4742	04	20.000	0.5005
05	50.000	0.5296	06	100.000	0.5483	07	150.000	0.56	08	200.000	0.5631

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.6685	02	4.000	0.6235	03	10.000	0.6246	04	40.000	0.6529
05	100.000	0.6754	06	200.000	0.6601	07	300.000	0.6724	08	400.000	0.6724

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.644	02	2.000	2.459	03	5.000	2.526	04	20.000	2.843
05	50.000	2.909	06	100.000	2.772	07	150.000	2.897	08	200.000	2.951

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.006	02	2.000	3.571	03	5.000	3.699	04	20.000	3.88
05	50.000	3.895	06	100.000	3.708	07	150.000	3.835	08	200.000	3.948

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6575	02	2.000	0.6049	03	5.000	0.6193	04	20.000	0.6421
05	50.000	0.6608	06	100.000	0.6493	07	150.000	0.6616	08	200.000	0.6602

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	3.567	02	2.000	3.391	03	5.000	3.506	04	20.000	3.709
05	50.000	3.692	06	100.000	3.492	07	150.000	3.587	08	200.000	3.694

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.465	02	2.000	2.227	03	5.000	2.341	04	20.000	2.362
05	50.000	2.401	06	100.000	2.265	07	150.000	2.333	08	200.000	2.424

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5157	02	2.000	0.4663	03	5.000	0.4646	04	20.000	0.4785
05	50.000	0.4665	06	100.000	0.4647	07	150.000	0.478	08	200.000	0.4794

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3984	02	2.000	0.3922	03	5.000	0.4057	04	20.000	0.4285
05	50.000	0.4595	06	100.000	0.4789	07	150.000	0.4931	08	200.000	0.5035

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	3.7	20	0.6962	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	5.7	20	0.781	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	6.9	20	0.4322	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	2.2	20	0.2941	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	2.3	20	0.8853	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	6.8	20	0.4287	0.100
1,2,3-Trichlorobenzene	TRG	Quadratic	COD	0.9969	0.99	0.762	
1,2,4-Trichlorobenzene	TRG	Quadratic	COD	0.9982	0.99	0.9161	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	4.9	20	2.678	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	13.3	20	0.1422	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	3.9	20	0.3375	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	2.1	20	1.532	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	1.6	20	0.4391	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	3.2	20	0.3355	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	4.3	20	2.661	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	4.9	20	1.618	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	4.2	20	1.64	0.500
1,4-Dioxane	TRG	Average RF	% RSD	4.1	20	0.004746	
2-Butanone (MEK)	TRG	Average RF	% RSD	7.6	20	0.2647	0.05
2-Hexanone	TRG	Average RF	% RSD	7.2	20	0.2638	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	10.6	20	0.4852	
4-Isopropyltoluene	TRG	Average RF	% RSD	3.8	20	2.95	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	6.2	20	0.3145	0.05
Acetone	TRG	Average RF	% RSD	10.5	20	0.1946	0.05
Benzene	TRG	Average RF	% RSD	2.7	20	1.255	0.500
Bromochloromethane	TRG	Average RF	% RSD	2.6	20	0.3336	
Bromodichloromethane	TRG	Average RF	% RSD	6.3	20	0.3952	0.200
Bromoform	TRG	Average RF	% RSD	14.3	20	0.1857	0.100
Bromomethane	TRG	Quadratic	COD	0.9972	0.99	0.3725	0.100
Carbon Disulfide	TRG	Average RF	% RSD	5.7	20	1.295	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	6.2	20	0.1081	0.05
Chlorobenzene	TRG	Average RF	% RSD	3.6	20	1.01	0.500
Chloroethane	TRG	Average RF	% RSD	8.1	20	0.3502	0.100
Chloroform	TRG	Average RF	% RSD	4.1	20	0.8562	0.200

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	7.3	20	0.6387	0.100
Cyclohexane	TRG	Average RF	% RSD	6.7	20	0.2996	0.100
Dibromochloromethane	TRG	Average RF	% RSD	9.2	20	0.318	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	4.6	20	0.297	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	7.3	20	0.6377	0.100
Dichloromethane	TRG	Quadratic	COD	0.9997	0.99	0.5453	0.100
Ethylbenzene	TRG	Average RF	% RSD	2.9	20	0.5334	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	3.6	20	1.681	0.100
Methyl Acetate	TRG	Average RF	% RSD	4.0	20	0.383	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	2.2	20	1.465	0.100
Methylcyclohexane	TRG	Average RF	% RSD	4.4	20	0.4275	0.100
Naphthalene	TRG	Quadratic	COD	0.9978	0.99	1.856	
Styrene	TRG	Average RF	% RSD	7.3	20	1.07	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.4	20	0.2997	0.200
Toluene	TRG	Average RF	% RSD	3.4	20	1.363	0.400
Toluene-d8	SURR	Average RF	% RSD	7.4	20	1.213	
Trichloroethene (TCE)	TRG	Average RF	% RSD	3.8	20	0.3527	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	4.4	20	0.6969	0.100
Vinyl Chloride	TRG	Average RF	% RSD	4.9	20	0.6011	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	2.0	20	0.5404	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	7.2	20	0.5175	0.200
m,p-Xylenes	TRG	Average RF	% RSD	3.2	20	0.6562	0.100
n-Butylbenzene	TRG	Average RF	% RSD	6.8	20	2.75	
n-Propylbenzene	TRG	Average RF	% RSD	3.8	20	3.818	
o-Xylene	TRG	Average RF	% RSD	3.3	20	0.6445	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	3.2	20	3.58	
tert-Butylbenzene	TRG	Average RF	% RSD	3.4	20	2.352	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	3.6	20	0.4767	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	10.0	20	0.445	0.100

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900051-01	0.5ppb	I:\ACQUADATA\msvoa12\Data\050119\P26232.D	05/01/2019 12:47
02	RC1900051-02	1.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26233.D	05/01/2019 13:08
03	RC1900051-03	2.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26234.D	05/01/2019 13:30
04	RC1900051-04	5.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26235.D	05/01/2019 13:52
05	RC1900051-05	20ppb	I:\ACQUADATA\msvoa12\Data\050119\P26236.D	05/01/2019 14:14
06	RC1900051-06	50ppb	I:\ACQUADATA\msvoa12\Data\050119\P26237.D	05/01/2019 14:36
07	RC1900051-07	100ppb	I:\ACQUADATA\msvoa12\Data\050119\P26238.D	05/01/2019 14:58
08	RC1900051-08	150ppb	I:\ACQUADATA\msvoa12\Data\050119\P26239.D	05/01/2019 15:20
09	RC1900051-09	200ppb	I:\ACQUADATA\msvoa12\Data\050119\P26240.D	05/01/2019 15:42

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.8027	02	1.000	0.7624	03	2.000	0.8053	04	5.000	0.7802
05	20.000	0.7663	06	50.000	0.742	07	100.000	0.7047	08	150.000	0.636
09	200.000	0.6356									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9045	02	1.000	1.132	03	2.000	1.059	04	5.000	1.052
05	20.000	1.06	06	50.000	0.8463	07	100.000	0.8515	08	150.000	0.8273
09	200.000	0.8202									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3869	02	1.000	0.3825	03	2.000	0.3505	04	5.000	0.3815
05	20.000	0.4158	06	50.000	0.3689	07	100.000	0.3487	08	150.000	0.336
09	200.000	0.3422									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3547	02	1.000	0.3765	03	2.000	0.3543	04	5.000	0.3597
05	20.000	0.3625	06	50.000	0.3534	07	100.000	0.3431	08	150.000	0.3255
09	200.000	0.3316									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7366	02	1.000	0.7936	03	2.000	0.8376	04	5.000	0.7524
05	20.000	0.8396	06	50.000	0.7665	07	100.000	0.7106	08	150.000	0.6371
09	200.000	0.6336									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4692	02	1.000	0.4368	03	2.000	0.4633	04	5.000	0.4223
05	20.000	0.4295	06	50.000	0.3925	07	100.000	0.3738	08	150.000	0.3645
09	200.000	0.3648									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	1.52	03	2.000	1.382	04	5.000	1.489	05	20.000	1.542
06	50.000	1.475	07	100.000	1.503	08	150.000	1.511	09	200.000	1.5

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.439	02	1.000	1.267	03	2.000	1.289	04	5.000	1.344
05	20.000	1.458	06	50.000	1.401	07	100.000	1.479	08	150.000	1.487
09	200.000	1.491									

1,2,4-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.554	02	1.000	2.821	03	2.000	2.703	04	5.000	2.932
05	20.000	2.94	06	50.000	2.526	07	100.000	2.463	08	150.000	2.368
09	200.000	2.337									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3293	03	2.000	0.3001	04	5.000	0.3191	05	20.000	0.357
06	50.000	0.3216	07	100.000	0.3489	08	150.000	0.3566	09	200.000	0.3631

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3889	02	1.000	0.4173	03	2.000	0.3987	04	5.000	0.3859
05	20.000	0.4322	06	50.000	0.3957	07	100.000	0.4123	08	150.000	0.3983
09	200.000	0.4034									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.611	02	1.000	1.768	03	2.000	1.717	04	5.000	1.786
05	20.000	1.828	06	50.000	1.645	07	100.000	1.638	08	150.000	1.595
09	200.000	1.593									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5065	02	1.000	0.4642	03	2.000	0.493	04	5.000	0.4521
05	20.000	0.5053	06	50.000	0.4615	07	100.000	0.4327	08	150.000	0.4071
09	200.000	0.411									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.2772	02	1.000	0.315	03	2.000	0.3313	04	5.000	0.3359
05	20.000	0.3428	06	50.000	0.3165	07	100.000	0.3045	08	150.000	0.2866
09	200.000	0.2916									

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.872	02	1.000	2.77	03	2.000	2.659	04	5.000	2.895

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 5/1/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte

1,3,5-Trimethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	2.955	06	50.000	2.527	07	100.000	2.446	08	150.000	2.337
09	200.000	2.313									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.734	02	1.000	1.71	03	2.000	1.73	04	5.000	1.769
05	20.000	1.85	06	50.000	1.634	07	100.000	1.636	08	150.000	1.586
09	200.000	1.592									

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.652	02	1.000	1.83	03	2.000	1.841	04	5.000	1.845
05	20.000	1.836	06	50.000	1.714	07	100.000	1.665	08	150.000	1.607
09	200.000	1.6									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	40.000	0.009203	04	100.000	0.008334	05	400.000	0.007804	06	1000.000	0.007751
07	2000.000	0.008914	08	3000.000	0.008835	09	4000.000	0.008416			

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.316	04	5.000	0.2978	05	20.000	0.3068	06	50.000	0.296
07	100.000	0.2586	08	150.000	0.2276	09	200.000	0.2225			

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3225	04	5.000	0.3228	05	20.000	0.3661	06	50.000	0.3395
07	100.000	0.3359	08	150.000	0.3285	09	200.000	0.3371			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5243	05	20.000	0.4339	06	50.000	0.4989	07	100.000	0.458
08	200.000	0.4167									

4-Isopropyltoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.22	02	1.000	2.852	03	2.000	3.01	04	5.000	3.076
05	20.000	3.256	06	50.000	2.891	07	100.000	2.795	08	150.000	2.69
09	200.000	2.65									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.3887	04	5.000	0.357	05	20.000	0.414	06	50.000	0.3996
07	100.000	0.3958	08	150.000	0.3763	09	200.000	0.3805			

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
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Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.2437	05	20.000	0.2374	06	50.000	0.2093	07	100.000	0.1787
08	150.000	0.1621	09	200.000	0.1616						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.405	02	1.000	1.335	03	2.000	1.323	04	5.000	1.297
05	20.000	1.381	06	50.000	1.298	07	100.000	1.247	08	150.000	1.172
09	200.000	1.205									

Bromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.418	02	1.000	0.3411	03	2.000	0.3609	04	5.000	0.3527
05	20.000	0.3925	06	50.000	0.3576	07	100.000	0.3601	08	150.000	0.3317
09	200.000	0.3329									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4565	02	1.000	0.4242	03	2.000	0.423	04	5.000	0.442
05	20.000	0.4612	06	50.000	0.4319	07	100.000	0.4209	08	150.000	0.405
09	200.000	0.4158									

Bromoform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.539	03	2.000	0.5444	04	5.000	0.5407	05	20.000	0.6097
06	50.000	0.5579	07	100.000	0.6106	08	150.000	0.6123	09	200.000	0.6243

Bromomethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6299	02	1.000	0.6377	03	2.000	0.6225	04	5.000	0.611
05	20.000	0.5533	06	50.000	0.4659	07	100.000	0.4337	08	150.000	0.405
09	200.000	0.3663									

Carbon Disulfide

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.062	02	1.000	0.9079	03	2.000	1.052	04	5.000	1.036
05	20.000	1.14	06	50.000	1.041	07	100.000	0.9696	08	150.000	0.8965
09	200.000	0.9079									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3834	02	1.000	0.4043	03	2.000	0.4238	04	5.000	0.4401
05	20.000	0.4651	06	50.000	0.4548	07	100.000	0.453	08	150.000	0.4398
09	200.000	0.457									

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.986	02	1.000	1.111	03	2.000	1.145	04	5.000	1.138

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Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	20.000	1.182	06	50.000	1.086	07	100.000	1.11	08	150.000	1.054
09	200.000	1.08									

Chloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4591	02	1.000	0.3826	03	2.000	0.4369	04	5.000	0.4532
05	20.000	0.4379	06	50.000	0.4013	07	100.000	0.4046	08	150.000	0.3946
09	200.000	0.3537									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9594	02	1.000	0.7903	03	2.000	0.8959	04	5.000	0.8047
05	20.000	0.8495	06	50.000	0.7825	07	100.000	0.7266	08	150.000	0.6549
09	200.000	0.6559									

Chloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4547	02	1.000	0.484	03	2.000	0.4282	04	5.000	0.4047
05	20.000	0.4684	06	50.000	0.4225	07	100.000	0.4075	08	150.000	0.3674
09	200.000	0.3925									

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.246	03	2.000	0.2456	04	5.000	0.2642	05	20.000	0.2711
06	50.000	0.2711	07	100.000	0.2448	08	150.000	0.2286	09	200.000	0.2369

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4566	02	1.000	0.4198	03	2.000	0.4061	04	5.000	0.4275
05	20.000	0.4575	06	50.000	0.4208	07	100.000	0.4543	08	150.000	0.4412
09	200.000	0.4596									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3178	05	20.000	0.2691	06	50.000	0.2896	07	100.000	0.2896
08	200.000	0.2712									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4711	02	1.000	0.485	03	2.000	0.4398	04	5.000	0.4088
05	20.000	0.538	06	50.000	0.5015	07	100.000	0.4649	08	150.000	0.4387
09	200.000	0.4512									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.517	02	1.000	0.5579	03	2.000	0.5746	04	5.000	0.4341
05	20.000	0.4693	06	50.000	0.4299	07	100.000	0.4107	08	150.000	0.381

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Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	0.3819									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5296	02	1.000	0.5518	03	2.000	0.6432	04	5.000	0.6404
05	20.000	0.6297	06	50.000	0.5797	07	100.000	0.6012	08	150.000	0.5716
09	200.000	0.601									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.322	02	1.000	3.474	03	2.000	3.432	04	5.000	3.507
05	20.000	3.491	06	50.000	2.897	07	100.000	2.819	08	150.000	2.708
09	200.000	2.652									

Methyl Acetate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.3465	03	2.000	0.3864	04	5.000	0.4175	05	20.000	0.4241
06	50.000	0.4144	07	100.000	0.4608	08	150.000	0.4512	09	200.000	0.4282

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.54	02	1.000	1.568	03	2.000	1.665	04	5.000	1.56
05	20.000	1.703	06	50.000	1.517	07	100.000	1.449	08	150.000	1.308
09	200.000	1.281									

Methylcyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.4182	03	2.000	0.424	04	5.000	0.3587	05	20.000	0.3862
06	50.000	0.3892	07	100.000	0.3565	08	150.000	0.3322	09	200.000	0.3434

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	4.181	03	2.000	4.007	04	5.000	4.203	05	20.000	4.538
06	50.000	4.008	07	100.000	3.985	08	150.000	3.923	09	200.000	3.734

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.085	02	1.000	0.9628	03	2.000	1.117	04	5.000	1.169
05	20.000	1.308	06	50.000	1.245	07	100.000	1.245	08	150.000	1.16
09	200.000	1.187									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3718	02	1.000	0.3128	03	2.000	0.3576	04	5.000	0.3574
05	20.000	0.3628	06	50.000	0.3482	07	100.000	0.3739	08	150.000	0.3667
09	200.000	0.3842									

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Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.522	02	1.000	1.347	03	2.000	1.602	04	5.000	1.475
05	20.000	1.593	06	50.000	1.496	07	100.000	1.455	08	150.000	1.345
09	200.000	1.354									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.36	05	20.000	1.177	06	50.000	1.216	07	100.000	1.163
08	200.000	1.051									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4002	02	1.000	0.4063	03	2.000	0.4045	04	5.000	0.3994
05	20.000	0.4138	06	50.000	0.3976	07	100.000	0.4058	08	150.000	0.3889
09	200.000	0.4072									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6699	02	1.000	0.5998	03	2.000	0.6776	04	5.000	0.6466
05	20.000	0.7136	06	50.000	0.6607	07	100.000	0.6772	08	150.000	0.6254
09	200.000	0.6111									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5876	02	1.000	0.4546	03	2.000	0.4942	04	5.000	0.538
05	20.000	0.6041	06	50.000	0.529	07	100.000	0.5196	08	150.000	0.4762
09	200.000	0.4738									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5695	02	1.000	0.5998	03	2.000	0.6045	04	5.000	0.5474
05	20.000	0.5517	06	50.000	0.5079	07	100.000	0.4913	08	150.000	0.4443
09	200.000	0.4456									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5576	02	1.000	0.5494	03	2.000	0.6018	04	5.000	0.5681
05	20.000	0.6002	06	50.000	0.5556	07	100.000	0.5438	08	150.000	0.5087
09	200.000	0.5228									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6857	02	2.000	0.7191	03	4.000	0.7683	04	10.000	0.7334
05	40.000	0.7898	06	100.000	0.7463	07	200.000	0.7526	08	300.000	0.7079
09	400.000	0.7192									

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Analyte

n-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.748	02	1.000	2.409	03	2.000	2.56	04	5.000	2.577
05	20.000	2.723	06	50.000	2.298	07	100.000	2.268	08	150.000	2.214
09	200.000	2.201									

n-Propylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.709	02	1.000	3.641	03	2.000	3.707	04	5.000	3.816
05	20.000	3.81	06	50.000	3.188	07	100.000	3.046	08	150.000	2.919
09	200.000	2.854									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.781	02	1.000	0.7251	03	2.000	0.7037	04	5.000	0.76
05	20.000	0.7849	06	50.000	0.7588	07	100.000	0.7534	08	150.000	0.7082
09	200.000	0.7296									

sec-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	3.646	02	1.000	3.516	03	2.000	3.683	04	5.000	3.706
05	20.000	3.724	06	50.000	3.204	07	100.000	3.088	08	150.000	2.942
09	200.000	2.891									

tert-Butylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.52	02	1.000	2.367	03	2.000	2.515	04	5.000	2.674
05	20.000	2.647	06	50.000	2.368	07	100.000	2.278	08	150.000	2.192
09	200.000	2.159									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5181	02	1.000	0.5219	03	2.000	0.4446	04	5.000	0.4333
05	20.000	0.4772	06	50.000	0.4354	07	100.000	0.4372	08	150.000	0.4017
09	200.000	0.4032									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4973	02	1.000	0.4353	03	2.000	0.4503	04	5.000	0.4876
05	20.000	0.5555	06	50.000	0.5167	07	100.000	0.5161	08	150.000	0.4875
09	200.000	0.4908									

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Project: 24 York St

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Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
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Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	8.8	20	0.7372	0.100
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	13.0	20	0.9503	0.300
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	7.1	20	0.3681	0.100
1,1,2-Trichloroethane	TRG	Average RF	% RSD	4.5	20	0.3512	0.100
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	10.1	20	0.7453	0.200
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	9.9	20	0.413	0.100
1,2,3-Trichlorobenzene	TRG	Average RF	% RSD	3.2	20	1.49	
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	6.1	20	1.406	0.200
1,2,4-Trimethylbenzene	TRG	Average RF	% RSD	8.8	20	2.627	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	6.7	20	0.337	0.050
1,2-Dibromoethane	TRG	Average RF	% RSD	3.6	20	0.4036	0.100
1,2-Dichlorobenzene	TRG	Average RF	% RSD	5.3	20	1.687	0.400
1,2-Dichloroethane	TRG	Average RF	% RSD	8.2	20	0.4593	0.100
1,2-Dichloropropane	TRG	Average RF	% RSD	7.4	20	0.3112	0.100
1,3,5-Trimethylbenzene	TRG	Average RF	% RSD	9.3	20	2.642	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	5.2	20	1.693	0.600
1,4-Dichlorobenzene	TRG	Average RF	% RSD	6.1	20	1.732	0.500
1,4-Dioxane	TRG	Average RF	% RSD	6.6	20	0.008465	
2-Butanone (MEK)	TRG	Average RF	% RSD	14.0	20	0.2751	0.05
2-Hexanone	TRG	Average RF	% RSD	4.4	20	0.3361	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.6	20	0.4664	
4-Isopropyltoluene	TRG	Average RF	% RSD	7.4	20	2.938	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	4.7	20	0.3874	0.05
Acetone	TRG	Quadratic	COD	0.9943	0.99	0.1988	0.05
Benzene	TRG	Average RF	% RSD	5.9	20	1.296	0.500
Bromochloromethane	TRG	Average RF	% RSD	7.8	20	0.3608	
Bromodichloromethane	TRG	Average RF	% RSD	4.3	20	0.4312	0.200
Bromoform	TRG	Average RF	% RSD	6.5	20	0.5799	0.100
Bromomethane	TRG	Quadratic	COD	0.9995	0.99	0.525	0.100
Carbon Disulfide	TRG	Average RF	% RSD	8.5	20	1.002	0.100
Carbon Tetrachloride	TRG	Average RF	% RSD	6.2	20	0.4357	0.05
Chlorobenzene	TRG	Average RF	% RSD	5.2	20	1.099	0.500
Chloroethane	TRG	Average RF	% RSD	8.5	20	0.4138	0.100
Chloroform	TRG	Average RF	% RSD	13.0	20	0.7911	0.200

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Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Chloromethane	TRG	Average RF	% RSD	8.9	20	0.4255	0.100
Cyclohexane	TRG	Average RF	% RSD	6.3	20	0.2511	0.100
Dibromochloromethane	TRG	Average RF	% RSD	4.6	20	0.4382	0.100
Dibromofluoromethane	SURR	Average RF	% RSD	6.8	20	0.2875	
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	8.2	20	0.4666	0.100
Dichloromethane	TRG	Quadratic	COD	0.9990	0.99	0.4618	0.100
Ethylbenzene	TRG	Average RF	% RSD	6.7	20	0.5943	0.100
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	11.6	20	3.145	0.100
Methyl Acetate	TRG	Average RF	% RSD	8.7	20	0.4161	0.100
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	9.5	20	1.51	0.100
Methylcyclohexane	TRG	Average RF	% RSD	9.0	20	0.3761	0.100
Naphthalene	TRG	Average RF	% RSD	5.9	20	4.072	
Styrene	TRG	Average RF	% RSD	8.8	20	1.164	0.300
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.7	20	0.3595	0.200
Toluene	TRG	Average RF	% RSD	6.8	20	1.465	0.400
Toluene-d8	SURR	Average RF	% RSD	9.3	20	1.193	
Trichloroethene (TCE)	TRG	Average RF	% RSD	1.8	20	0.4026	0.200
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	5.6	20	0.6535	0.100
Vinyl Chloride	TRG	Average RF	% RSD	9.9	20	0.5197	0.100
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	11.4	20	0.5291	0.100
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	5.6	20	0.5564	0.200
m,p-Xylenes	TRG	Average RF	% RSD	4.4	20	0.7358	0.100
n-Butylbenzene	TRG	Average RF	% RSD	8.8	20	2.444	
n-Propylbenzene	TRG	Average RF	% RSD	11.8	20	3.41	
o-Xylene	TRG	Average RF	% RSD	4.0	20	0.745	0.300
sec-Butylbenzene	TRG	Average RF	% RSD	10.2	20	3.378	
tert-Butylbenzene	TRG	Average RF	% RSD	7.8	20	2.413	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	9.8	20	0.4525	0.100
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	7.3	20	0.493	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900049-10	ICV-50	I:\ACQUADATA\msvoa10\data\043019\E0702.D	04/30/2019 18:53

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.1	8.774E-1	8.617E-1	-1.791	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.0	1.124E0	1.125E0	0.018	±30	Average RF
1,1,2-Trichloroethane	50.0	46.8	3.599E-1	3.368E-1	-6.443	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.9	4.846E-1	5.317E-1	9.72	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.6	1.189E0	1.155E0	-2.829	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.7	5.319E-1	5.076E-1	-4.576	±30	Average RF
1,2,3-Trichlorobenzene	50.0	49.0	1.213E0	1.188E0	-2.081	±30	Average RF
1,2,4-Trichlorobenzene	50.0	48.5	1.258E0	1.221E0	-2.959	±30	Average RF
1,2,4-Trimethylbenzene	50.0	50.1	3.014E0	3.017E0	0.102	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	44.8	2.406E-1	2.155E-1	-10.423	±30	Average RF
1,2-Dibromoethane	50.0	50.5	4.042E-1	4.085E-1	1.08	±30	Average RF
1,2-Dichlorobenzene	50.0	46.9	1.694E0	1.591E0	-6.102	±30	Average RF
1,2-Dichloroethane	50.0	47.2	6.135E-1	5.787E-1	-5.674	±30	Average RF
1,2-Dichloropropane	50.0	49.8	4.274E-1	4.26E-1	-0.318	±30	Average RF
1,3,5-Trimethylbenzene	50.0	49.6	3.025E0	3.001E0	-0.786	±30	Average RF
1,3-Dichlorobenzene	50.0	48.4	1.712E0	1.656E0	-3.279	±30	Average RF
1,4-Dichlorobenzene	50.0	47.2	1.761E0	1.664E0	-5.503	±30	Average RF
1,4-Dioxane	1000	903	7.032E-3	6.347E-3	-9.746	±30	Average RF
2-Butanone (MEK)	50.0	49.1	4.546E-1	4.468E-1	-1.713	±30	Average RF
2-Hexanone	50.0	46.2	4.832E-1	4.461E-1	-7.689	±30	Average RF
4-Isopropyltoluene	50.0	50.7	3.158E0	3.202E0	1.42	±30	Average RF
4-Methyl-2-pentanone	50.0	47.7	5.485E-1	5.238E-1	-4.505	±30	Average RF
Acetone	50.0	53.6	3.557E-1	3.816E-1	7.28	±30	Average RF
Benzene	50.0	48.2	1.537E0	1.482E0	-3.541	±30	Average RF
Bromochloromethane	50.0	47.8	3.646E-1	3.488E-1	-4.332	±30	Average RF
Bromodichloromethane	50.0	49.5	4.823E-1	4.772E-1	-1.061	±30	Average RF
Bromoform	50.0	49.1	2.63E-1	2.613E-1	-1.750	±30	Quadratic
Bromomethane	50.0	46.0	7.335E-1	5.881E-1	-8.007	±30	Quadratic
Carbon Disulfide	50.0	50.2	1.593E0	1.601E0	0.494	±30	Average RF
Carbon Tetrachloride	50.0	49.3	4.411E-1	4.346E-1	-1.468	±30	Average RF
Chlorobenzene	50.0	48.4	1.127E0	1.092E0	-3.124	±30	Average RF
Chloroethane	50.0	42.0	5.465E-1	4.588E-1	-16.048	±30	Average RF
Chloroform	50.0	47.8	1.049E0	1.004E0	-4.351	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	47.0	9.777E-1	9.198E-1	-5.919	±30	Average RF
Cyclohexane	50.0	46.7	4.474E-1	4.18E-1	-6.588	±30	Average RF
Dibromochloromethane	50.0	49.0	3.94E-1	3.864E-1	-1.936	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	58.8	7.15E-1	8.407E-1	17.57	±30	Average RF
Dichloromethane	50.0	46.7	6.279E-1	5.865E-1	-6.592	±30	Average RF
Ethylbenzene	50.0	50.7	5.905E-1	5.99E-1	1.45	±30	Average RF
Isopropylbenzene (Cumene)	50.0	50.1	1.915E0	1.919E0	0.223	±30	Average RF
Methyl Acetate	50.0	44.1	7.428E-1	6.544E-1	-11.898	±30	Average RF
Methyl tert-Butyl Ether	50.0	49.6	2.024E0	2.008E0	-0.767	±30	Average RF
Methylcyclohexane	50.0	47.7	5.373E-1	5.126E-1	-4.595	±30	Average RF
Naphthalene	50.0	48.5	3.331E0	3.233E0	-2.920	±30	Average RF
Styrene	50.0	51.0	1.234E0	1.259E0	2.04	±30	Average RF
Tetrachloroethene (PCE)	50.0	48.6	3.211E-1	3.119E-1	-2.865	±30	Average RF
Toluene	50.0	49.3	1.617E0	1.593E0	-1.454	±30	Average RF
Trichloroethene (TCE)	50.0	47.0	3.821E-1	3.594E-1	-5.934	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	50.4	8.697E-1	8.769E-1	0.831	±30	Average RF
Vinyl Chloride	50.0	50.3	9.03E-1	9.092E-1	0.692	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.2	6.195E-1	6.09E-1	-1.695	±30	Average RF
cis-1,3-Dichloropropene	50.0	50.7	6.408E-1	6.496E-1	1.38	±30	Average RF
m,p-Xylenes	100	97.9	7.593E-1	7.436E-1	-2.066	±30	Average RF
n-Butylbenzene	50.0	52.5	3.144E0	3.301E0	5.00	±30	Average RF
n-Propylbenzene	50.0	49.8	4.433E0	4.412E0	-0.485	±30	Average RF
o-Xylene	50.0	48.8	7.39E-1	7.216E-1	-2.354	±30	Average RF
sec-Butylbenzene	50.0	49.9	3.871E0	3.863E0	-0.214	±30	Average RF
tert-Butylbenzene	50.0	48.1	2.555E0	2.46E0	-3.712	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.7	5.615E-1	5.465E-1	-2.660	±30	Average RF
trans-1,3-Dichloropropene	50.0	51.0	5.918E-1	6.041E-1	2.07	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.6	5.245E-1	5.411E-1	3.15	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.275E-1	3.361E-1	2.61	±30	Average RF
Toluene-d8	50.0	51.1	1.356E0	1.384E0	2.13	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/26/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900035-10	50 PPB ICV	I:\ACQUADATA\MSVOA14\Data\032619\F5222.D	03/26/2019 17:20

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	56.7	6.642E-1	7.531E-1	13.39	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.3	1.052E0	1.058E0	0.603	±30	Average RF
1,1,2-Trichloroethane	50.0	48.9	3.557E-1	3.476E-1	-2.277	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.6	3.786E-1	4.437E-1	17.19	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.7	8.587E-1	9.225E-1	7.43	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	56.5	4.176E-1	4.721E-1	13.04	±30	Average RF
1,2,3-Trichlorobenzene	50.0	49.7	9.954E-1	1.063E0	-0.557	±30	Quadratic
1,2,4-Trichlorobenzene	50.0	50.7	1.029E0	1.108E0	1.40	±30	Quadratic
1,2,4-Trimethylbenzene	50.0	55.1	2.491E0	2.745E0	10.21	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.2	2.5E-1	2.554E-1	0.479	±30	Quadratic
1,2-Dibromoethane	50.0	50.5	4.107E-1	4.15E-1	1.03	±30	Average RF
1,2-Dichlorobenzene	50.0	48.4	1.596E0	1.546E0	-3.124	±30	Average RF
1,2-Dichloroethane	50.0	50.0	4.682E-1	4.685E-1	0.056	±30	Average RF
1,2-Dichloropropane	50.0	52.0	3.582E-1	3.723E-1	3.92	±30	Average RF
1,3,5-Trimethylbenzene	50.0	55.1	2.461E0	2.709E0	10.10	±30	Average RF
1,3-Dichlorobenzene	50.0	49.8	1.571E0	1.565E0	-0.406	±30	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.651E0	1.578E0	-4.389	±30	Average RF
1,4-Dioxane	1000	1050	7.718E-3	8.119E-3	5.20	±30	Average RF
2-Butanone (MEK)	50.0	49.8	3.632E-1	3.618E-1	-0.384	±30	Average RF
2-Hexanone	50.0	52.0	3.642E-1	3.787E-1	3.98	±30	Average RF
4-Isopropyltoluene	50.0	55.4	2.589E0	2.871E0	10.86	±30	Average RF
4-Methyl-2-pentanone	50.0	51.4	4.32E-1	4.443E-1	2.87	±30	Average RF
Acetone	50.0	49.4	2.444E-1	2.415E-1	-1.200	±30	Average RF
Benzene	50.0	52.1	1.32E0	1.375E0	4.20	±30	Average RF
Bromochloromethane	50.0	48.7	3.708E-1	3.612E-1	-2.596	±30	Average RF
Bromodichloromethane	50.0	51.4	4.165E-1	4.279E-1	2.75	±30	Average RF
Bromoform	50.0	51.1	2.479E-1	2.524E-1	2.27	±30	Quadratic
Bromomethane	50.0	46.0	4.06E-1	3.072E-1	-7.974	±30	Quadratic
Carbon Disulfide	50.0	57.6	1.106E0	1.273E0	15.13	±30	Average RF
Carbon Tetrachloride	50.0	56.4	3.539E-1	3.995E-1	12.90	±30	Average RF
Chlorobenzene	50.0	51.1	1.06E0	1.084E0	2.26	±30	Average RF
Chloroethane	50.0	48.3	3.468E-1	3.352E-1	-3.356	±30	Average RF
Chloroform	50.0	51.8	8.478E-1	8.787E-1	3.64	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/26/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900035
Instrument ID: R-MS-14

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	50.2	6.557E-1	6.587E-1	0.465	±30	Average RF
Cyclohexane	50.0	56.1	2.528E-1	2.837E-1	12.23	±30	Average RF
Dibromochloromethane	50.0	51.0	3.748E-1	3.821E-1	1.95	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	57.9	5.855E-1	6.775E-1	15.71	±30	Average RF
Dichloromethane	50.0	49.1	5.324E-1	5.224E-1	-1.869	±30	Average RF
Ethylbenzene	50.0	55.7	5.385E-1	5.999E-1	11.41	±30	Average RF
Isopropylbenzene (Cumene)	50.0	55.9	1.628E0	1.819E0	11.77	±30	Average RF
Methyl Acetate	50.0	52.2	5.081E-1	5.309E-1	4.49	±30	Average RF
Methyl tert-Butyl Ether	50.0	52.5	1.59E0	1.669E0	4.97	±30	Average RF
Methylcyclohexane	50.0	57.9	3.524E-1	4.08E-1	15.77	±30	Average RF
Naphthalene	50.0	50.6	3.017E0	3.384E0	1.30	±30	Quadratic
Styrene	50.0	53.3	1.118E0	1.193E0	6.64	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.4	3.247E-1	3.339E-1	2.83	±30	Average RF
Toluene	50.0	52.4	1.41E0	1.477E0	4.77	±30	Average RF
Trichloroethene (TCE)	50.0	53.2	3.601E-1	3.832E-1	6.43	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	56.6	6.624E-1	7.504E-1	13.29	±30	Average RF
Vinyl Chloride	50.0	55.3	5.915E-1	6.544E-1	10.63	±30	Average RF
cis-1,2-Dichloroethene	50.0	52.4	5.394E-1	5.648E-1	4.70	±30	Average RF
cis-1,3-Dichloropropene	50.0	52.9	5.496E-1	5.82E-1	5.90	±30	Average RF
m,p-Xylenes	100	108	6.662E-1	7.224E-1	8.44	±30	Average RF
n-Butylbenzene	50.0	56.6	2.281E0	2.583E0	13.24	±30	Average RF
n-Propylbenzene	50.0	55.6	3.429E0	3.816E0	11.29	±30	Average RF
o-Xylene	50.0	53.6	6.591E-1	7.065E-1	7.20	±30	Average RF
sec-Butylbenzene	50.0	56.5	3.044E0	3.437E0	12.93	±30	Average RF
tert-Butylbenzene	50.0	54.9	2.13E0	2.339E0	9.80	±30	Average RF
trans-1,2-Dichloroethene	50.0	54.0	4.678E-1	5.049E-1	7.92	±30	Average RF
trans-1,3-Dichloropropene	50.0	53.8	4.877E-1	5.246E-1	7.56	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	49.2	5.15E-1	5.067E-1	-1.624	±30	Average RF
Dibromofluoromethane	50.0	50.3	3.332E-1	3.354E-1	0.676	±30	Average RF
Toluene-d8	50.0	49.6	1.33E0	1.32E0	-0.777	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
09	RC1900043-09	50 PPB ICV	I:\ACQUADATA\MSVOA14\Data\041919\F6050.D	04/19/2019 16:31

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	44.1	6.962E-1	6.14E-1	-11.799	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	46.3	7.81E-1	7.229E-1	-7.447	±30	Average RF
1,1,2-Trichloroethane	50.0	46.7	2.941E-1	2.749E-1	-6.527	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.7	4.322E-1	3.607E-1	-16.544	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.4	8.853E-1	8.032E-1	-9.284	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	43.0	4.287E-1	3.684E-1	-14.069	±30	Average RF
1,2,3-Trichlorobenzene	50.0	51.9	7.62E-1	8.432E-1	3.74	±30	Quadratic
1,2,4-Trichlorobenzene	50.0	49.4	9.161E-1	9.649E-1	-1.164	±30	Quadratic
1,2,4-Trimethylbenzene	50.0	45.2	2.678E0	2.422E0	-9.578	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	52.0	1.422E-1	1.478E-1	3.99	±30	Average RF
1,2-Dibromoethane	50.0	48.6	3.375E-1	3.278E-1	-2.869	±30	Average RF
1,2-Dichlorobenzene	50.0	44.5	1.532E0	1.365E0	-10.919	±30	Average RF
1,2-Dichloroethane	50.0	47.4	4.391E-1	4.162E-1	-5.236	±30	Average RF
1,2-Dichloropropane	50.0	47.2	3.355E-1	3.163E-1	-5.699	±30	Average RF
1,3,5-Trimethylbenzene	50.0	44.3	2.661E0	2.358E0	-11.404	±30	Average RF
1,3-Dichlorobenzene	50.0	43.3	1.618E0	1.403E0	-13.305	±30	Average RF
1,4-Dichlorobenzene	50.0	43.4	1.64E0	1.424E0	-13.149	±30	Average RF
1,4-Dioxane	1000	1100	4.746E-3	5.214E-3	9.87	±30	Average RF
2-Butanone (MEK)	50.0	53.4	2.647E-1	2.826E-1	6.79	±30	Average RF
2-Hexanone	50.0	53.8	2.638E-1	2.841E-1	7.70	±30	Average RF
4-Isopropyltoluene	50.0	42.9	2.95E0	2.534E0	-14.101	±30	Average RF
4-Methyl-2-pentanone	50.0	53.1	3.145E-1	3.338E-1	6.14	±30	Average RF
Acetone	50.0	58.5	1.946E-1	2.275E-1	16.90	±30	Average RF
Benzene	50.0	44.0	1.255E0	1.105E0	-11.990	±30	Average RF
Bromochloromethane	50.0	47.2	3.336E-1	3.151E-1	-5.534	±30	Average RF
Bromodichloromethane	50.0	47.0	3.952E-1	3.716E-1	-5.956	±30	Average RF
Bromoform	50.0	49.4	1.857E-1	1.836E-1	-1.105	±30	Average RF
Bromomethane	50.0	48.8	3.725E-1	3.123E-1	-2.344	±30	Quadratic
Carbon Disulfide	50.0	44.5	1.295E0	1.153E0	-10.921	±30	Average RF
Carbon Tetrachloride	50.0	42.5	1.081E-1	9.178E-2	-15.081	±30	Average RF
Chlorobenzene	50.0	44.7	1.01E0	9.039E-1	-10.516	±30	Average RF
Chloroethane	50.0	37.1	3.502E-1	2.599E-1	-25.771	±30	Average RF
Chloroform	50.0	46.1	8.562E-1	7.887E-1	-7.875	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/19/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900043
Instrument ID: R-MS-14

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	41.7	6.387E-1	5.323E-1	-16.657	±30	Average RF
Cyclohexane	50.0	46.4	2.996E-1	2.779E-1	-7.225	±30	Average RF
Dibromochloromethane	50.0	48.6	3.18E-1	3.092E-1	-2.758	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	41.6	6.377E-1	5.302E-1	-16.853	±30	Average RF
Dichloromethane	50.0	47.5	5.453E-1	4.682E-1	-5.046	±30	Quadratic
Ethylbenzene	50.0	44.6	5.334E-1	4.763E-1	-10.707	±30	Average RF
Isopropylbenzene (Cumene)	50.0	43.4	1.681E0	1.46E0	-13.136	±30	Average RF
Methyl Acetate	50.0	49.5	3.83E-1	3.79E-1	-1.031	±30	Average RF
Methyl tert-Butyl Ether	50.0	51.1	1.465E0	1.497E0	2.21	±30	Average RF
Methylcyclohexane	50.0	48.0	4.275E-1	4.102E-1	-4.038	±30	Average RF
Naphthalene	50.0	52.9	1.856E0	2.181E0	5.85	±30	Quadratic
Styrene	50.0	47.4	1.07E0	1.015E0	-5.171	±30	Average RF
Tetrachloroethene (PCE)	50.0	41.6	2.997E-1	2.494E-1	-16.781	±30	Average RF
Toluene	50.0	43.9	1.363E0	1.196E0	-12.242	±30	Average RF
Trichloroethene (TCE)	50.0	45.2	3.527E-1	3.19E-1	-9.559	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	41.5	6.969E-1	5.785E-1	-16.980	±30	Average RF
Vinyl Chloride	50.0	41.8	6.011E-1	5.021E-1	-16.473	±30	Average RF
cis-1,2-Dichloroethene	50.0	46.3	5.404E-1	4.999E-1	-7.494	±30	Average RF
cis-1,3-Dichloropropene	50.0	48.4	5.175E-1	5.01E-1	-3.179	±30	Average RF
m,p-Xylenes	100	89.5	6.562E-1	5.872E-1	-10.518	±30	Average RF
n-Butylbenzene	50.0	43.6	2.75E0	2.396E0	-12.864	±30	Average RF
n-Propylbenzene	50.0	42.6	3.818E0	3.251E0	-14.835	±30	Average RF
o-Xylene	50.0	45.5	6.445E-1	5.867E-1	-8.955	±30	Average RF
sec-Butylbenzene	50.0	42.2	3.58E0	3.023E0	-15.547	±30	Average RF
tert-Butylbenzene	50.0	42.4	2.352E0	1.997E0	-15.106	±30	Average RF
trans-1,2-Dichloroethene	50.0	44.3	4.767E-1	4.226E-1	-11.360	±30	Average RF
trans-1,3-Dichloropropene	50.0	49.8	4.45E-1	4.436E-1	-0.306	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	48.3	4.852E-1	4.691E-1	-3.314	±30	Average RF
Dibromofluoromethane	50.0	50.6	2.97E-1	3.007E-1	1.26	±30	Average RF
Toluene-d8	50.0	49.6	1.213E0	1.204E0	-0.727	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 5/1/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900051-10	ICV50	I:\ACQUADATA\msvoa12\Data\050119\P26245.D	05/01/2019 17:31

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	51.5	7.372E-1	7.595E-1	3.02	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	44.5	9.503E-1	8.463E-1	-10.943	±30	Average RF
1,1,2-Trichloroethane	50.0	47.7	3.512E-1	3.35E-1	-4.615	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.7	3.681E-1	3.883E-1	5.48	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.5	7.453E-1	7.683E-1	3.09	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.0	4.13E-1	4.127E-1	-0.076	±30	Average RF
1,2,3-Trichlorobenzene	50.0	48.8	1.49E0	1.455E0	-2.354	±30	Average RF
1,2,4-Trichlorobenzene	50.0	50.9	1.406E0	1.432E0	1.88	±30	Average RF
1,2,4-Trimethylbenzene	50.0	48.5	2.627E0	2.549E0	-2.962	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	45.4	3.37E-1	3.062E-1	-9.138	±30	Average RF
1,2-Dibromoethane	50.0	48.9	4.036E-1	3.947E-1	-2.204	±30	Average RF
1,2-Dichlorobenzene	50.0	47.9	1.687E0	1.617E0	-4.159	±30	Average RF
1,2-Dichloroethane	50.0	48.4	4.593E-1	4.449E-1	-3.129	±30	Average RF
1,2-Dichloropropane	50.0	49.0	3.112E-1	3.049E-1	-2.032	±30	Average RF
1,3,5-Trimethylbenzene	50.0	48.5	2.642E0	2.563E0	-2.981	±30	Average RF
1,3-Dichlorobenzene	50.0	48.7	1.693E0	1.648E0	-2.684	±30	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.732E0	1.655E0	-4.483	±30	Average RF
1,4-Dioxane	1000	929	8.465E-3	7.861E-3	-7.143	±30	Average RF
2-Butanone (MEK)	50.0	57.0	2.751E-1	3.133E-1	13.91	±30	Average RF
2-Hexanone	50.0	49.6	3.361E-1	3.335E-1	-0.762	±30	Average RF
4-Isopropyltoluene	50.0	49.5	2.938E0	2.908E0	-1.021	±30	Average RF
4-Methyl-2-pentanone	50.0	51.4	3.874E-1	3.985E-1	2.85	±30	Average RF
Acetone	50.0	61.9	1.988E-1	2.431E-1	23.79	±30	Quadratic
Benzene	50.0	49.2	1.296E0	1.275E0	-1.584	±30	Average RF
Bromochloromethane	50.0	50.3	3.608E-1	3.632E-1	0.647	±30	Average RF
Bromodichloromethane	50.0	49.2	4.312E-1	4.24E-1	-1.665	±30	Average RF
Bromoform	50.0	46.7	5.799E-1	5.417E-1	-6.583	±30	Average RF
Bromomethane	50.0	52.8	5.25E-1	5.089E-1	5.65	±30	Quadratic
Carbon Disulfide	50.0	55.6	1.002E0	1.113E0	11.14	±30	Average RF
Carbon Tetrachloride	50.0	52.5	4.357E-1	4.576E-1	5.02	±30	Average RF
Chlorobenzene	50.0	50.2	1.099E0	1.103E0	0.384	±30	Average RF
Chloroethane	50.0	44.8	4.138E-1	3.711E-1	-10.305	±30	Average RF
Chloroform	50.0	49.9	7.911E-1	7.891E-1	-0.254	±30	Average RF

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 5/1/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chloromethane	50.0	50.6	4.255E-1	4.305E-1	1.16	±30	Average RF
Cyclohexane	50.0	47.1	2.511E-1	2.363E-1	-5.858	±30	Average RF
Dibromochloromethane	50.0	47.8	4.382E-1	4.188E-1	-4.408	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	61.8	4.666E-1	5.768E-1	23.64	±30	Average RF
Dichloromethane	50.0	52.0	4.618E-1	4.461E-1	3.96	±30	Quadratic
Ethylbenzene	50.0	50.7	5.943E-1	6.028E-1	1.43	±30	Average RF
Isopropylbenzene (Cumene)	50.0	46.2	3.145E0	2.905E0	-7.636	±30	Average RF
Methyl Acetate	50.0	47.8	4.161E-1	3.976E-1	-4.462	±30	Average RF
Methyl tert-Butyl Ether	50.0	51.4	1.51E0	1.551E0	2.72	±30	Average RF
Methylcyclohexane	50.0	45.7	3.761E-1	3.437E-1	-8.592	±30	Average RF
Naphthalene	50.0	47.7	4.072E0	3.886E0	-4.575	±30	Average RF
Styrene	50.0	54.5	1.164E0	1.268E0	8.93	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.1	3.595E-1	3.673E-1	2.16	±30	Average RF
Toluene	50.0	50.5	1.465E0	1.48E0	1.00	±30	Average RF
Trichloroethene (TCE)	50.0	49.1	4.026E-1	3.954E-1	-1.801	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	52.8	6.535E-1	6.903E-1	5.62	±30	Average RF
Vinyl Chloride	50.0	53.3	5.197E-1	5.542E-1	6.63	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.3	5.291E-1	5.212E-1	-1.491	±30	Average RF
cis-1,3-Dichloropropene	50.0	49.7	5.564E-1	5.53E-1	-0.614	±30	Average RF
m,p-Xylenes	100	103	7.358E-1	7.612E-1	3.46	±30	Average RF
n-Butylbenzene	50.0	48.1	2.444E0	2.353E0	-3.721	±30	Average RF
n-Propylbenzene	50.0	47.6	3.41E0	3.249E0	-4.733	±30	Average RF
o-Xylene	50.0	52.0	7.45E-1	7.746E-1	3.98	±30	Average RF
sec-Butylbenzene	50.0	47.2	3.378E0	3.188E0	-5.599	±30	Average RF
tert-Butylbenzene	50.0	48.9	2.413E0	2.358E0	-2.279	±30	Average RF
trans-1,2-Dichloroethene	50.0	50.5	4.525E-1	4.574E-1	1.08	±30	Average RF
trans-1,3-Dichloropropene	50.0	52.7	4.93E-1	5.195E-1	5.36	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.9	4.664E-1	4.933E-1	5.77	±30	Average RF
Dibromofluoromethane	50.0	49.9	2.875E-1	2.87E-1	-0.158	±30	Average RF
Toluene-d8	50.0	50.7	1.193E0	1.211E0	1.47	±30	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/06/19 11:32

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\050619\P26402.D\
Signal ID: 1

Calibration Date: 5/1/2019
Calibration ID: RC1900051
Analysis Lot: 634409
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	43.9	0.7372	0.6472	-12.2	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	38.9	0.9503	0.7401	-22.1*	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	45.1	0.3512	0.3171	-9.7	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.3	0.3681	0.3481	-5.4	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	45.8	0.7453	0.6819	-8.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	42.8	0.413	0.3535	-14.4	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	45.5	1.4902	1.3555	-9.0	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	46.2	1.406	1.2991	-7.6	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	44.9	2.6271	2.3592	-10.2	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	40.8	0.337	0.2753	-18.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	46.7	0.4036	0.3768	-6.7	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	45.6	1.6868	1.5392	-8.7	NA	±20	Average RF
1,2-Dichloroethane	50.0	46.0	0.4593	0.4221	-8.1	NA	±20	Average RF
1,2-Dichloropropane	50.0	44.4	0.3112	0.2763	-11.2	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	43.7	2.6417	2.3106	-12.5	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	45.8	1.6934	1.5528	-8.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	45.8	1.7322	1.5883	-8.3	NA	±20	Average RF
1,4-Dioxane	1000	824	0.0085	0.007	-17.6	NA	±20	Average RF
2-Butanone (MEK)	50.0	41.3	0.2751	0.2274	-17.3	NA	±20	Average RF
2-Hexanone	50.0	39.9	0.3361	0.268	-20.2	NA	±20	Average RF
4-Isopropyltoluene	50.0	44.2	2.9378	2.5946	-11.7	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	42.0	0.3874	0.3258	-15.9	NA	±20	Average RF
Acetone	50.0	35.1	0.1988	0.1455	NA	-29.7*	±20	Quadratic
Benzene	50.0	44.1	1.2957	1.1433	-11.8	NA	±20	Average RF
Bromochloromethane	50.0	48.5	0.3608	0.3501	-3.0	NA	±20	Average RF
Bromodichloromethane	50.0	45.0	0.4312	0.3882	-10.0	NA	±20	Average RF
Bromoform	50.0	38.6	0.5799	0.4479	-22.8*	NA	±20	Average RF
Bromomethane	50.0	41.3	0.525	0.4061	NA	-17.4	±20	Quadratic
Carbon Disulfide	50.0	45.9	1.0015	0.9191	-8.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	44.3	0.4357	0.3863	-11.3	NA	±20	Average RF
Chlorobenzene	50.0	44.8	1.0992	0.984	-10.5	NA	±20	Average RF
Chloroethane	50.0	45.7	0.4138	0.3782	-8.6	NA	±20	Average RF
Chloroform	50.0	45.0	0.7911	0.7121	-10.0	NA	±20	Average RF
Chloromethane	50.0	47.6	0.4255	0.4053	-4.8	NA	±20	Average RF
Cyclohexane	50.0	44.8	0.2511	0.2248	-10.5	NA	±20	Average RF
Dibromochloromethane	50.0	43.6	0.4382	0.3816	-12.9	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	59.6	0.4666	0.556	19.2	NA	±20	Average RF
Dichloromethane	50.0	47.5	0.4618	0.4094	NA	-5.0	±20	Quadratic
Ethylbenzene	50.0	44.0	0.5943	0.523	-12.0	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/06/19 11:32

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\050619\P26402.D\
Signal ID: 1

Calibration Date: 5/1/2019
Calibration ID: RC1900051
Analysis Lot: 634409
Units: ppb

Isopropylbenzene (Cumene)	50.0	39.9	3.1447	2.5097	-20.2	NA	±20	Average RF
Methyl Acetate	50.0	43.9	0.4161	0.3652	-12.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	46.7	1.51	1.411	-6.6	NA	±20	Average RF
Methylcyclohexane	50.0	43.4	0.3761	0.3261	-13.3	NA	±20	Average RF
Naphthalene	50.0	45.9	4.0724	3.7356	-8.3	NA	±20	Average RF
Styrene	50.0	48.3	1.1643	1.1241	-3.5	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	43.2	0.3595	0.3105	-13.6	NA	±20	Average RF
Toluene	50.0	44.9	1.4654	1.3147	-10.3	NA	±20	Average RF
Trichloroethene (TCE)	50.0	43.6	0.4026	0.3514	-12.7	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	47.9	0.6535	0.6254	-4.3	NA	±20	Average RF
Vinyl Chloride	50.0	46.9	0.5197	0.4873	-6.2	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	44.8	0.5291	0.4742	-10.4	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	44.0	0.5564	0.4896	-12.0	NA	±20	Average RF
m,p-Xylenes	100	91.0	0.7358	0.6695	-9.0	NA	±20	Average RF
n-Butylbenzene	50.0	42.0	2.4442	2.0523	-16.0	NA	±20	Average RF
n-Propylbenzene	50.0	41.6	3.4099	2.8397	-16.7	NA	±20	Average RF
o-Xylene	50.0	44.9	0.745	0.6683	-10.3	NA	±20	Average RF
sec-Butylbenzene	50.0	41.8	3.3776	2.8238	-16.4	NA	±20	Average RF
tert-Butylbenzene	50.0	43.6	2.4134	2.104	-12.8	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	45.1	0.4525	0.4085	-9.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	47.6	0.493	0.4691	-4.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.8	0.4664	0.4929	5.7	NA	±20	Average RF
Dibromofluoromethane	50.0	51.4	0.2875	0.2957	2.9	NA	±20	Average RF
Toluene-d8	50.0	51.3	1.1934	1.2251	2.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/07/19 11:12

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\050719\P26463.D\
Signal ID: 1

Calibration Date: 5/1/2019
Calibration ID: RC1900051
Analysis Lot: 634556
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.2	0.7372	0.6961	-5.6	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	36.5	0.9503	0.6941	-27.0*	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	47.0	0.3512	0.3304	-5.9	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.0	0.3681	0.3754	2.0	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.6	0.7453	0.7241	-2.8	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	45.7	0.413	0.3771	-8.7	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	44.8	1.4902	1.3345	-10.5	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	46.9	1.406	1.3191	-6.2	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	46.3	2.6271	2.4304	-7.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	35.7	0.337	0.2407	-28.6*	NA	±20	Average RF
1,2-Dibromoethane	50.0	47.0	0.4036	0.3793	-6.0	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	46.4	1.6868	1.5642	-7.3	NA	±20	Average RF
1,2-Dichloroethane	50.0	46.8	0.4593	0.4298	-6.4	NA	±20	Average RF
1,2-Dichloropropane	50.0	47.1	0.3112	0.2935	-5.7	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	45.1	2.6417	2.3831	-9.8	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	46.7	1.6934	1.5809	-6.6	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	47.4	1.7322	1.6411	-5.3	NA	±20	Average RF
1,4-Dioxane	1000	763	0.0085	0.0065	-23.7*	NA	±20	Average RF
2-Butanone (MEK)	50.0	40.5	0.2751	0.2227	-19.0	NA	±20	Average RF
2-Hexanone	50.0	40.0	0.3361	0.2692	-19.9	NA	±20	Average RF
4-Isopropyltoluene	50.0	45.8	2.9378	2.6883	-8.5	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	41.4	0.3874	0.321	-17.1	NA	±20	Average RF
Acetone	50.0	37.8	0.1988	0.1554	NA	-24.5*	±20	Quadratic
Benzene	50.0	46.7	1.2957	1.2105	-6.6	NA	±20	Average RF
Bromochloromethane	50.0	48.3	0.3608	0.3489	-3.3	NA	±20	Average RF
Bromodichloromethane	50.0	44.9	0.4312	0.3872	-10.2	NA	±20	Average RF
Bromoform	50.0	34.0	0.5799	0.3943	-32.0*	NA	±20	Average RF
Bromomethane	50.0	46.5	0.525	0.4532	NA	-6.9	±20	Quadratic
Carbon Disulfide	50.0	45.8	1.0015	0.9178	-8.4	NA	±20	Average RF
Carbon Tetrachloride	50.0	47.2	0.4357	0.411	-5.7	NA	±20	Average RF
Chlorobenzene	50.0	49.2	1.0992	1.0816	-1.6	NA	±20	Average RF
Chloroethane	50.0	51.5	0.4138	0.4258	2.9	NA	±20	Average RF
Chloroform	50.0	47.8	0.7911	0.7567	-4.3	NA	±20	Average RF
Chloromethane	50.0	48.6	0.4255	0.4138	-2.8	NA	±20	Average RF
Cyclohexane	50.0	47.4	0.2511	0.2381	-5.2	NA	±20	Average RF
Dibromochloromethane	50.0	42.5	0.4382	0.3721	-15.1	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	60.6	0.4666	0.5656	21.2*	NA	±20	Average RF
Dichloromethane	50.0	49.6	0.4618	0.4266	NA	-0.8	±20	Quadratic
Ethylbenzene	50.0	48.7	0.5943	0.5793	-2.5	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/07/19 11:12

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS**

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\050719\P26463.D\
Signal ID: 1

Calibration Date: 5/1/2019
Calibration ID: RC1900051
Analysis Lot: 634556
Units: ppb

Isopropylbenzene (Cumene)	50.0	41.3	3.1447	2.5947	-17.5	NA	±20	Average RF
Methyl Acetate	50.0	42.7	0.4161	0.3556	-14.5	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	46.6	1.51	1.4084	-6.7	NA	±20	Average RF
Methylcyclohexane	50.0	46.1	0.3761	0.3467	-7.8	NA	±20	Average RF
Naphthalene	50.0	43.0	4.0724	3.5028	-14.0	NA	±20	Average RF
Styrene	50.0	52.3	1.1643	1.2185	4.7	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	50.8	0.3595	0.3649	1.5	NA	±20	Average RF
Toluene	50.0	48.6	1.4654	1.4246	-2.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.8	0.4026	0.3934	-2.3	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	55.9	0.6535	0.731	11.8	NA	±20	Average RF
Vinyl Chloride	50.0	51.0	0.5197	0.5296	1.9	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	47.0	0.5291	0.497	-6.1	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	44.9	0.5564	0.4994	-10.2	NA	±20	Average RF
m,p-Xylenes	100	100	0.7358	0.7392	0.5	NA	±20	Average RF
n-Butylbenzene	50.0	43.6	2.4442	2.1292	-12.9	NA	±20	Average RF
n-Propylbenzene	50.0	43.0	3.4099	2.9314	-14.0	NA	±20	Average RF
o-Xylene	50.0	49.6	0.745	0.7397	-0.7	NA	±20	Average RF
sec-Butylbenzene	50.0	44.0	3.3776	2.9695	-12.1	NA	±20	Average RF
tert-Butylbenzene	50.0	45.5	2.4134	2.1952	-9.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.2	0.4525	0.4364	-3.6	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	47.8	0.493	0.4709	-4.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.0	0.4664	0.4852	4.0	NA	±20	Average RF
Dibromofluoromethane	50.0	49.6	0.2875	0.2853	-0.8	NA	±20	Average RF
Toluene-d8	50.0	49.7	1.1934	1.1872	-0.5	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/04/19 16:31

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA14\Data\050419\F6458.D\
Signal ID: 1

Calibration Date: 4/19/2019
Calibration ID: RC1900043
Analysis Lot: 634334
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	47.4	0.6962	0.6594	-5.3	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	48.4	0.781	0.7564	-3.2	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	49.5	0.2941	0.291	-1.0	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.0	0.4322	0.3975	-8.0	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	50.8	0.8853	0.8991	1.6	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.0	0.4287	0.3944	-8.0	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	52.6	0.762	0.8567	NA	5.3	±20	Quadratic
1,2,4-Trichlorobenzene	50.0	52.6	0.9161	1.0313	NA	5.2	±20	Quadratic
1,2,4-Trimethylbenzene	50.0	51.3	2.6784	2.7465	2.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.2	0.1422	0.1426	0.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	48.9	0.3375	0.3298	-2.3	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	50.5	1.532	1.5459	0.9	NA	±20	Average RF
1,2-Dichloroethane	50.0	49.1	0.4391	0.431	-1.8	NA	±20	Average RF
1,2-Dichloropropane	50.0	53.0	0.3355	0.3555	6.0	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	51.3	2.6611	2.7309	2.6	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	49.4	1.6184	1.5975	-1.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	49.2	1.6396	1.6128	-1.6	NA	±20	Average RF
1,4-Dioxane	1000	956	0.0047	0.0045	-4.4	NA	±20	Average RF
2-Butanone (MEK)	50.0	47.4	0.2647	0.2508	-5.3	NA	±20	Average RF
2-Hexanone	50.0	49.7	0.2638	0.2624	-0.5	NA	±20	Average RF
4-Isopropyltoluene	50.0	50.6	2.9497	2.9855	1.2	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	48.9	0.3145	0.3075	-2.2	NA	±20	Average RF
Acetone	50.0	48.2	0.1946	0.1877	-3.5	NA	±20	Average RF
Benzene	50.0	49.6	1.2554	1.2462	-0.7	NA	±20	Average RF
Bromochloromethane	50.0	49.9	0.3336	0.3327	-0.3	NA	±20	Average RF
Bromodichloromethane	50.0	50.2	0.3952	0.3966	0.4	NA	±20	Average RF
Bromoform	50.0	49.4	0.1857	0.1836	-1.2	NA	±20	Average RF
Bromomethane	50.0	39.1	0.3725	0.2557	NA	-21.9*	±20	Quadratic
Carbon Disulfide	50.0	48.6	1.2948	1.2593	-2.7	NA	±20	Average RF
Carbon Tetrachloride	50.0	47.7	0.1081	0.1031	-4.6	NA	±20	Average RF
Chlorobenzene	50.0	50.0	1.0101	1.011	0.1	NA	±20	Average RF
Chloroethane	50.0	41.5	0.3502	0.2909	-16.9	NA	±20	Average RF
Chloroform	50.0	49.0	0.8562	0.8393	-2.0	NA	±20	Average RF
Chloromethane	50.0	49.2	0.6387	0.6286	-1.6	NA	±20	Average RF
Cyclohexane	50.0	52.2	0.2996	0.3127	4.4	NA	±20	Average RF
Dibromochloromethane	50.0	50.5	0.318	0.3211	1.0	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	41.3	0.6377	0.5267	-17.4	NA	±20	Average RF
Dichloromethane	50.0	51.9	0.5453	0.5116	NA	3.7	±20	Quadratic
Ethylbenzene	50.0	50.5	0.5334	0.5388	1.0	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/04/19 16:31

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA14\Data\050419\F6458.D\
Signal ID: 1

Calibration Date: 4/19/2019
Calibration ID: RC1900043
Analysis Lot: 634334
Units: ug/L

Isopropylbenzene (Cumene)	50.0	50.2	1.681	1.6884	0.4	NA	±20	Average RF
Methyl Acetate	50.0	49.6	0.383	0.3795	-0.9	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.4	1.4647	1.4461	-1.3	NA	±20	Average RF
Methylcyclohexane	50.0	54.6	0.4275	0.4672	9.3	NA	±20	Average RF
Naphthalene	50.0	50.9	1.8562	2.089	NA	1.7	±20	Quadratic
Styrene	50.0	52.7	1.0701	1.1277	5.4	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	47.8	0.2997	0.2867	-4.3	NA	±20	Average RF
Toluene	50.0	49.6	1.3634	1.3525	-0.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.2	0.3527	0.3399	-3.6	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	42.4	0.6969	0.5907	-15.2	NA	±20	Average RF
Vinyl Chloride	50.0	44.6	0.6011	0.5365	-10.8	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.3	0.5404	0.5325	-1.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	52.0	0.5175	0.5383	4.0	NA	±20	Average RF
m,p-Xylenes	100	102	0.6562	0.6688	1.9	NA	±20	Average RF
n-Butylbenzene	50.0	50.7	2.75	2.7886	1.4	NA	±20	Average RF
n-Propylbenzene	50.0	50.3	3.8175	3.8427	0.7	NA	±20	Average RF
o-Xylene	50.0	51.1	0.6445	0.6589	2.2	NA	±20	Average RF
sec-Butylbenzene	50.0	49.8	3.5799	3.5676	-0.3	NA	±20	Average RF
tert-Butylbenzene	50.0	49.5	2.3523	2.3296	-1.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	48.6	0.4767	0.4634	-2.8	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	51.4	0.445	0.4575	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	45.8	0.4852	0.4447	-8.3	NA	±20	Average RF
Dibromofluoromethane	50.0	47.1	0.297	0.2797	-5.8	NA	±20	Average RF
Toluene-d8	50.0	46.6	1.2129	1.1301	-6.8	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 14:57

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA14\Data\050819\F6509.D\
Signal ID: 1

Calibration Date: 3/26/2019
Calibration ID: RC1900035
Analysis Lot: 634784
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	50.0	0.6642	0.6643	0.0	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	45.4	1.0519	0.9542	-9.3	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	45.7	0.3557	0.3248	-8.7	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2	0.3786	0.3798	0.3	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.2	0.8587	0.9145	6.5	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.8	0.4176	0.4158	-0.5	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	42.0	0.9954	0.8924	NA	-16.0	±20	Quadratic
1,2,4-Trichlorobenzene	50.0	43.9	1.0291	0.9542	NA	-12.2	±20	Quadratic
1,2,4-Trimethylbenzene	50.0	49.3	2.4908	2.4568	-1.4	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	40.1	0.25	0.2002	NA	-19.8	±20	Quadratic
1,2-Dibromoethane	50.0	45.5	0.4107	0.3735	-9.1	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	46.0	1.5955	1.4679	-8.0	NA	±20	Average RF
1,2-Dichloroethane	50.0	49.9	0.4682	0.467	-0.3	NA	±20	Average RF
1,2-Dichloropropane	50.0	51.1	0.3582	0.3661	2.2	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	49.0	2.4605	2.4115	-2.0	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	46.4	1.5713	1.4569	-7.3	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	44.5	1.6509	1.4687	-11.0	NA	±20	Average RF
1,4-Dioxane	1000	721	0.0077	0.0056	-27.9*	NA	±20	Average RF
2-Butanone (MEK)	50.0	42.5	0.3632	0.3089	-14.9	NA	±20	Average RF
2-Hexanone	50.0	43.3	0.3642	0.3151	-13.5	NA	±20	Average RF
4-Isopropyltoluene	50.0	48.5	2.5893	2.5104	-3.0	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	42.8	0.432	0.3693	-14.5	NA	±20	Average RF
Acetone	50.0	46.1	0.2444	0.2252	-7.8	NA	±20	Average RF
Benzene	50.0	48.9	1.3196	1.29	-2.2	NA	±20	Average RF
Bromochloromethane	50.0	46.3	0.3708	0.3434	-7.4	NA	±20	Average RF
Bromodichloromethane	50.0	51.1	0.4165	0.4257	2.2	NA	±20	Average RF
Bromoform	50.0	45.9	0.2479	0.224	NA	-8.2	±20	Quadratic
Bromomethane	50.0	45.2	0.406	0.3032	NA	-9.5	±20	Quadratic
Carbon Disulfide	50.0	51.2	1.1055	1.1314	2.3	NA	±20	Average RF
Carbon Tetrachloride	50.0	48.1	0.3539	0.3403	-3.8	NA	±20	Average RF
Chlorobenzene	50.0	45.8	1.0596	0.9707	-8.4	NA	±20	Average RF
Chloroethane	50.0	46.2	0.3468	0.3205	-7.6	NA	±20	Average RF
Chloroform	50.0	50.0	0.8478	0.8486	0.1	NA	±20	Average RF
Chloromethane	50.0	55.2	0.6557	0.7242	10.5	NA	±20	Average RF
Cyclohexane	50.0	52.4	0.2528	0.2647	4.7	NA	±20	Average RF
Dibromochloromethane	50.0	47.7	0.3748	0.3579	-4.5	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	58.3	0.5855	0.6831	16.7	NA	±20	Average RF
Dichloromethane	50.0	49.0	0.5324	0.5214	-2.1	NA	±20	Average RF
Ethylbenzene	50.0	47.2	0.5385	0.5084	-5.6	NA	±20	Average RF

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 14:57

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\MSVOA14\Data\050819\F6509.D\
Signal ID: 1

Calibration Date: 3/26/2019
Calibration ID: RC1900035
Analysis Lot: 634784
Units: ug/L

Isopropylbenzene (Cumene)	50.0	47.2	1.6277	1.5364	-5.6	NA	±20	Average RF
Methyl Acetate	50.0	46.9	0.5081	0.4766	-6.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.5	1.5899	1.5727	-1.1	NA	±20	Average RF
Methylcyclohexane	50.0	52.7	0.3524	0.3711	5.3	NA	±20	Average RF
Naphthalene	50.0	41.3	3.0169	2.7302	NA	-17.4	±20	Quadratic
Styrene	50.0	48.3	1.1183	1.0809	-3.3	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	42.3	0.3247	0.275	-15.3	NA	±20	Average RF
Toluene	50.0	47.4	1.4101	1.3381	-5.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	45.1	0.3601	0.3249	-9.8	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	44.6	0.6624	0.591	-10.8	NA	±20	Average RF
Vinyl Chloride	50.0	52.5	0.5915	0.6213	5.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	49.6	0.5394	0.5349	-0.8	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	51.9	0.5496	0.5707	3.9	NA	±20	Average RF
m,p-Xylenes	100	94.4	0.6662	0.6288	-5.6	NA	±20	Average RF
n-Butylbenzene	50.0	50.0	2.2809	2.2818	0.0	NA	±20	Average RF
n-Propylbenzene	50.0	50.3	3.4291	3.4471	0.5	NA	±20	Average RF
o-Xylene	50.0	47.3	0.6591	0.6232	-5.5	NA	±20	Average RF
sec-Butylbenzene	50.0	49.4	3.0438	3.0072	-1.2	NA	±20	Average RF
tert-Butylbenzene	50.0	47.5	2.1305	2.0245	-5.0	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	49.7	0.4678	0.4647	-0.7	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	50.9	0.4877	0.4969	1.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	45.3	0.515	0.4665	-9.4	NA	±20	Average RF
Dibromofluoromethane	50.0	46.1	0.3332	0.3073	-7.8	NA	±20	Average RF
Toluene-d8	50.0	45.7	1.3299	1.2158	-8.6	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 10:05

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvov10\data\050819\E0943.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900049
Analysis Lot: 634768
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	48.9	0.8774	0.8582	-2.2	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.5	1.1244	1.1349	0.9	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	48.2	0.3599	0.3471	-3.6	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.6	0.4846	0.5192	7.1	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.5	1.1886	1.2486	5.1	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.5	0.5319	0.5375	1.1	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	50.9	1.2135	1.2359	1.9	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	50.7	1.2581	1.2751	1.4	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	49.3	3.0136	2.9689	-1.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.7	0.2406	0.2437	1.3	NA	±20	Average RF
1,2-Dibromoethane	50.0	51.0	0.4042	0.4124	2.1	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	48.4	1.6943	1.6386	-3.3	NA	±20	Average RF
1,2-Dichloroethane	50.0	47.3	0.6135	0.5803	-5.4	NA	±20	Average RF
1,2-Dichloropropane	50.0	51.9	0.4274	0.4435	3.8	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	48.9	3.0246	2.9554	-2.3	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	48.3	1.7121	1.6541	-3.4	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	47.8	1.761	1.6837	-4.4	NA	±20	Average RF
1,4-Dioxane	1000	1060	0.007	0.0075	6.1	NA	±20	Average RF
2-Butanone (MEK)	50.0	55.6	0.4546	0.5059	11.3	NA	±20	Average RF
2-Hexanone	50.0	55.0	0.4832	0.5314	10.0	NA	±20	Average RF
4-Isopropyltoluene	50.0	49.9	3.1576	3.151	-0.2	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	54.5	0.5485	0.5973	8.9	NA	±20	Average RF
Acetone	50.0	53.2	0.3557	0.3785	6.4	NA	±20	Average RF
Benzene	50.0	51.9	1.5369	1.5949	3.8	NA	±20	Average RF
Bromochloromethane	50.0	51.0	0.3646	0.3721	2.0	NA	±20	Average RF
Bromodichloromethane	50.0	49.7	0.4823	0.4791	-0.7	NA	±20	Average RF
Bromoform	50.0	48.6	0.263	0.2581	NA	-2.9	±20	Quadratic
Bromomethane	50.0	40.7	0.7335	0.5075	NA	-18.7	±20	Quadratic
Carbon Disulfide	50.0	47.8	1.5933	1.5234	-4.4	NA	±20	Average RF
Carbon Tetrachloride	50.0	49.0	0.4411	0.4318	-2.1	NA	±20	Average RF
Chlorobenzene	50.0	48.6	1.1275	1.096	-2.8	NA	±20	Average RF
Chloroethane	50.0	49.4	0.5465	0.5395	-1.3	NA	±20	Average RF
Chloroform	50.0	49.6	1.0493	1.0412	-0.8	NA	±20	Average RF
Chloromethane	50.0	59.6	0.9777	1.1651	19.2	NA	±20	Average RF
Cyclohexane	50.0	49.3	0.4474	0.4411	-1.4	NA	±20	Average RF
Dibromochloromethane	50.0	48.4	0.394	0.3813	-3.2	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	69.0	0.715	0.9862	37.9*	NA	±20	Average RF
Dichloromethane	50.0	49.0	0.6279	0.6149	-2.1	NA	±20	Average RF
Ethylbenzene	50.0	50.7	0.5905	0.599	1.4	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 10:05

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS**

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvov10\data\050819\E0943.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900049
Analysis Lot: 634768
Units: ug/L

Isopropylbenzene (Cumene)	50.0	49.6	1.9149	1.8993	-0.8	NA	±20	Average RF
Methyl Acetate	50.0	53.1	0.7428	0.7891	6.2	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.6	2.0236	2.0054	-0.9	NA	±20	Average RF
Methylcyclohexane	50.0	50.4	0.5373	0.5415	0.8	NA	±20	Average RF
Naphthalene	50.0	53.3	3.3306	3.5527	6.7	NA	±20	Average RF
Styrene	50.0	50.9	1.2339	1.2563	1.8	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.8	0.3211	0.3198	-0.4	NA	±20	Average RF
Toluene	50.0	50.2	1.6165	1.6244	0.5	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.8	0.3821	0.3731	-2.4	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	53.4	0.8697	0.9288	6.8	NA	±20	Average RF
Vinyl Chloride	50.0	57.5	0.903	1.0382	15.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.4	0.6195	0.6247	0.8	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	51.9	0.6408	0.6653	3.8	NA	±20	Average RF
m,p-Xylenes	100	98.1	0.7593	0.7446	-1.9	NA	±20	Average RF
n-Butylbenzene	50.0	51.0	3.1443	3.2046	1.9	NA	±20	Average RF
n-Propylbenzene	50.0	50.0	4.4335	4.4337	0.0	NA	±20	Average RF
o-Xylene	50.0	48.6	0.739	0.7182	-2.8	NA	±20	Average RF
sec-Butylbenzene	50.0	50.2	3.8713	3.8871	0.4	NA	±20	Average RF
tert-Butylbenzene	50.0	49.4	2.5553	2.5251	-1.2	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	51.3	0.5615	0.5758	2.6	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	50.7	0.5918	0.5999	1.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.0	0.5245	0.4926	-6.1	NA	±20	Average RF
Dibromofluoromethane	50.0	48.9	0.3275	0.3206	-2.1	NA	±20	Average RF
Toluene-d8	50.0	48.9	1.3556	1.3248	-2.3	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/10/19 09:50

Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvov10\data\051019\E0973.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900049
Analysis Lot: 635063
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.4	0.8774	0.8674	-1.1	NA	±20	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.8	1.1244	1.1423	1.6	NA	±20	Average RF
1,1,2-Trichloroethane	50.0	49.1	0.3599	0.3535	-1.8	NA	±20	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.2	0.4846	0.5256	8.5	NA	±20	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.9	1.1886	1.234	3.8	NA	±20	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	52.0	0.5319	0.553	4.0	NA	±20	Average RF
1,2,3-Trichlorobenzene	50.0	51.0	1.2135	1.2379	2.0	NA	±20	Average RF
1,2,4-Trichlorobenzene	50.0	50.4	1.2581	1.268	0.8	NA	±20	Average RF
1,2,4-Trimethylbenzene	50.0	49.2	3.0136	2.9678	-1.5	NA	±20	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	50.3	0.2406	0.2418	0.5	NA	±20	Average RF
1,2-Dibromoethane	50.0	51.2	0.4042	0.4141	2.5	NA	±20	Average RF
1,2-Dichlorobenzene	50.0	48.5	1.6943	1.6422	-3.1	NA	±20	Average RF
1,2-Dichloroethane	50.0	47.8	0.6135	0.5865	-4.4	NA	±20	Average RF
1,2-Dichloropropane	50.0	52.9	0.4274	0.4521	5.8	NA	±20	Average RF
1,3,5-Trimethylbenzene	50.0	48.9	3.0246	2.9549	-2.3	NA	±20	Average RF
1,3-Dichlorobenzene	50.0	48.3	1.7121	1.6537	-3.4	NA	±20	Average RF
1,4-Dichlorobenzene	50.0	47.6	1.761	1.6747	-4.9	NA	±20	Average RF
1,4-Dioxane	1000	1070	0.007	0.0076	7.5	NA	±20	Average RF
2-Butanone (MEK)	50.0	56.9	0.4546	0.517	13.7	NA	±20	Average RF
2-Hexanone	50.0	54.7	0.4832	0.5285	9.4	NA	±20	Average RF
4-Isopropyltoluene	50.0	49.7	3.1576	3.141	-0.5	NA	±20	Average RF
4-Methyl-2-pentanone	50.0	54.8	0.5485	0.6015	9.7	NA	±20	Average RF
Acetone	50.0	55.2	0.3557	0.393	10.5	NA	±20	Average RF
Benzene	50.0	52.6	1.5369	1.6153	5.1	NA	±20	Average RF
Bromochloromethane	50.0	50.2	0.3646	0.3664	0.5	NA	±20	Average RF
Bromodichloromethane	50.0	50.9	0.4823	0.4912	1.8	NA	±20	Average RF
Bromoform	50.0	48.9	0.263	0.2601	NA	-2.2	±20	Quadratic
Bromomethane	50.0	39.5	0.7335	0.4903	NA	-21.0*	±20	Quadratic
Carbon Disulfide	50.0	47.4	1.5933	1.5112	-5.2	NA	±20	Average RF
Carbon Tetrachloride	50.0	49.9	0.4411	0.4405	-0.1	NA	±20	Average RF
Chlorobenzene	50.0	48.1	1.1275	1.0844	-3.8	NA	±20	Average RF
Chloroethane	50.0	49.5	0.5465	0.5415	-0.9	NA	±20	Average RF
Chloroform	50.0	49.1	1.0493	1.0302	-1.8	NA	±20	Average RF
Chloromethane	50.0	56.7	0.9777	1.1094	13.5	NA	±20	Average RF
Cyclohexane	50.0	50.2	0.4474	0.4494	0.4	NA	±20	Average RF
Dibromochloromethane	50.0	48.1	0.394	0.3792	-3.8	NA	±20	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	68.6	0.715	0.981	37.2*	NA	±20	Average RF
Dichloromethane	50.0	49.9	0.6279	0.627	-0.1	NA	±20	Average RF
Ethylbenzene	50.0	50.2	0.5905	0.5932	0.5	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/10/19 09:50

**Continuing Calibration Verification (CCV) Summary
Volatile Organic Compounds by GC/MS**

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa10\data\051019\E0973.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900049
Analysis Lot: 635063
Units: ug/L

Isopropylbenzene (Cumene)	50.0	48.8	1.9149	1.8699	-2.3	NA	±20	Average RF
Methyl Acetate	50.0	53.6	0.7428	0.7956	7.1	NA	±20	Average RF
Methyl tert-Butyl Ether	50.0	49.8	2.0236	2.0165	-0.4	NA	±20	Average RF
Methylcyclohexane	50.0	51.8	0.5373	0.5561	3.5	NA	±20	Average RF
Naphthalene	50.0	52.8	3.3306	3.5191	5.7	NA	±20	Average RF
Styrene	50.0	49.9	1.2339	1.2318	-0.2	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	48.9	0.3211	0.3143	-2.1	NA	±20	Average RF
Toluene	50.0	50.1	1.6165	1.618	0.1	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.5	0.3821	0.3706	-3.0	NA	±20	Average RF
Trichlorofluoromethane (CFC 11)	50.0	52.2	0.8697	0.9086	4.5	NA	±20	Average RF
Vinyl Chloride	50.0	57.0	0.903	1.0289	14.0	NA	±20	Average RF
cis-1,2-Dichloroethene	50.0	50.3	0.6195	0.6228	0.5	NA	±20	Average RF
cis-1,3-Dichloropropene	50.0	52.8	0.6408	0.6763	5.5	NA	±20	Average RF
m,p-Xylenes	100	96.4	0.7593	0.732	-3.6	NA	±20	Average RF
n-Butylbenzene	50.0	51.3	3.1443	3.2271	2.6	NA	±20	Average RF
n-Propylbenzene	50.0	49.2	4.4335	4.3652	-1.5	NA	±20	Average RF
o-Xylene	50.0	48.0	0.739	0.709	-4.1	NA	±20	Average RF
sec-Butylbenzene	50.0	50.0	3.8713	3.87	0.0	NA	±20	Average RF
tert-Butylbenzene	50.0	48.1	2.5553	2.4601	-3.7	NA	±20	Average RF
trans-1,2-Dichloroethene	50.0	50.6	0.5615	0.5687	1.3	NA	±20	Average RF
trans-1,3-Dichloropropene	50.0	51.2	0.5918	0.6056	2.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	47.4	0.5245	0.4972	-5.2	NA	±20	Average RF
Dibromofluoromethane	50.0	49.5	0.3275	0.3239	-1.1	NA	±20	Average RF
Toluene-d8	50.0	48.3	1.3556	1.3097	-3.4	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634334
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\050419\F6457.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	15:47:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6458.D\	Continuing Calibration Verification	RQ1904290-02	5/4/2019	16:31:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6459.D\	Lab Control Sample	RQ1904290-03	5/4/2019	17:01:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6461.D\	Method Blank	RQ1904290-04	5/4/2019	17:52:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6463.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	18:38:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6464.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	19:02:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6465.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	19:25:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6466.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	19:48:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6467.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:11:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6468.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:35:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6469.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	20:58:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6470.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	21:21:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6471.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	21:44:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6472.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:08:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6473.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:31:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6474.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	22:54:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6475.D\	TB-07-24 (7-8)	R1903954-009	5/4/2019	23:17:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6476.D\	ZZZZZZZ	ZZZZZZZ	5/4/2019	23:40:00	
I:\ACQUDATA\MSVOA14\Data\050419\F6477.D\	ZZZZZZZ	ZZZZZZZ	5/5/2019	00:04:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634409
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\050619\P26400.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	10:18:00	
I:\ACQUDATA\msvoa12\Data\050619\P26402.D\	Continuing Calibration Verification	RQ1904174-02	5/6/2019	11:32:00	
I:\ACQUDATA\msvoa12\Data\050619\P26403.D\	Lab Control Sample	RQ1904174-03	5/6/2019	12:03:00	
I:\ACQUDATA\msvoa12\Data\050619\P26405.D\	Method Blank	RQ1904174-04	5/6/2019	13:01:00	
I:\ACQUDATA\msvoa12\Data\050619\P26406.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	13:40:00	
I:\ACQUDATA\msvoa12\Data\050619\P26407.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	14:02:00	
I:\ACQUDATA\msvoa12\Data\050619\P26409.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	14:46:00	
I:\ACQUDATA\msvoa12\Data\050619\P26410.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:08:00	
I:\ACQUDATA\msvoa12\Data\050619\P26411.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:30:00	
I:\ACQUDATA\msvoa12\Data\050619\P26412.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	15:52:00	
I:\ACQUDATA\msvoa12\Data\050619\P26413.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	16:14:00	
I:\ACQUDATA\msvoa12\Data\050619\P26414.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	16:36:00	
I:\ACQUDATA\msvoa12\Data\050619\P26417.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	17:42:00	
I:\ACQUDATA\msvoa12\Data\050619\P26418.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	18:03:00	
I:\ACQUDATA\msvoa12\Data\050619\P26419.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	18:25:00	
I:\ACQUDATA\msvoa12\Data\050619\P26420.D\	TMW-04-24	R1903954-014	5/6/2019	18:47:00	
I:\ACQUDATA\msvoa12\Data\050619\P26426.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	20:59:00	
I:\ACQUDATA\msvoa12\Data\050619\P26427.D\	ZZZZZZZ	ZZZZZZZ	5/6/2019	21:21:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634556
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\050719\P26462.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	10:42:00	
I:\ACQUDATA\msvoa12\Data\050719\P26463.D\	Continuing Calibration Verification	RQ1904239-02	5/7/2019	11:12:00	
I:\ACQUDATA\msvoa12\Data\050719\P26465.D\	Lab Control Sample	RQ1904239-03	5/7/2019	12:23:00	
I:\ACQUDATA\msvoa12\Data\050719\P26467.D\	Method Blank	RQ1904239-04	5/7/2019	13:06:00	
I:\ACQUDATA\msvoa12\Data\050719\P26468.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:36:00	
I:\ACQUDATA\msvoa12\Data\050719\P26469.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:58:00	
I:\ACQUDATA\msvoa12\Data\050719\P26470.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:19:00	
I:\ACQUDATA\msvoa12\Data\050719\P26471.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:41:00	
I:\ACQUDATA\msvoa12\Data\050719\P26472.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	15:03:00	
I:\ACQUDATA\msvoa12\Data\050719\P26473.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	15:25:00	
I:\ACQUDATA\msvoa12\Data\050719\P26474.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	15:47:00	
I:\ACQUDATA\msvoa12\Data\050719\P26475.D\	TMW-01-24	R1903954-012	5/7/2019	16:09:00	
I:\ACQUDATA\msvoa12\Data\050719\P26476.D\	TMW-06-24	R1903954-015	5/7/2019	16:31:00	
I:\ACQUDATA\msvoa12\Data\050719\P26477.D\	TMW-02-24	R1903954-013	5/7/2019	16:53:00	
I:\ACQUDATA\msvoa12\Data\050719\P26482.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	18:42:00	
I:\ACQUDATA\msvoa12\Data\050719\P26483.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:04:00	
I:\ACQUDATA\msvoa12\Data\050719\P26484.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:25:00	
I:\ACQUDATA\msvoa12\Data\050719\P26485.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:47:00	
I:\ACQUDATA\msvoa12\Data\050719\P26486.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:09:00	
I:\ACQUDATA\msvoa12\Data\050719\P26487.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:31:00	
I:\ACQUDATA\msvoa12\Data\050719\P26488.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:53:00	
I:\ACQUDATA\msvoa12\Data\050719\P26489.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:15:00	
I:\ACQUDATA\msvoa12\Data\050719\P26490.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:37:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634556
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa12\Data\050719 \P26491.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:59:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634768
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\050819\E0942.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	09:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0943.D\	Continuing Calibration Verification	RQ1904434-02	5/8/2019	10:05:00	
I:\ACQUDATA\msvoa10\data\050819\E0944.D\	Lab Control Sample	RQ1904434-03	5/8/2019	10:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0946.D\	Method Blank	RQ1904434-04	5/8/2019	11:26:00	
I:\ACQUDATA\msvoa10\data\050819\E0947.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:10:00	
I:\ACQUDATA\msvoa10\data\050819\E0948.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:32:00	
I:\ACQUDATA\msvoa10\data\050819\E0949.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:54:00	
I:\ACQUDATA\msvoa10\data\050819\E0950.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:16:00	
I:\ACQUDATA\msvoa10\data\050819\E0951.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:38:00	
I:\ACQUDATA\msvoa10\data\050819\E0952.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:59:00	
I:\ACQUDATA\msvoa10\data\050819\E0953.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:21:00	
I:\ACQUDATA\msvoa10\data\050819\E0954.D\	TMW-08-24	R1903954-016	5/8/2019	14:43:00	
I:\ACQUDATA\msvoa10\data\050819\E0955.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:05:00	
I:\ACQUDATA\msvoa10\data\050819\E0957.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:49:00	
I:\ACQUDATA\msvoa10\data\050819\E0958.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:10:00	
I:\ACQUDATA\msvoa10\data\050819\E0959.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:32:00	
I:\ACQUDATA\msvoa10\data\050819\E0960.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	16:54:00	
I:\ACQUDATA\msvoa10\data\050819\E0961.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:16:00	
I:\ACQUDATA\msvoa10\data\050819\E0962.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:37:00	
I:\ACQUDATA\msvoa10\data\050819\E0963.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:59:00	
I:\ACQUDATA\msvoa10\data\050819\E0964.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:21:00	
I:\ACQUDATA\msvoa10\data\050819\E0965.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:43:00	
I:\ACQUDATA\msvoa10\data\050819\E0966.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:05:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634768
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\050819 \E0967.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:27:00	
I:\ACQUDATA\msvoa10\data\050819 \E0968.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:48:00	
I:\ACQUDATA\msvoa10\data\050819 \E0969.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	20:10:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634784
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\MSVOA14\Data\050819\F6508.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:21:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6509.D\	Continuing Calibration Verification	RQ1904406-02	5/8/2019	14:57:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6510.D\	Lab Control Sample	RQ1904406-03	5/8/2019	15:28:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6512.D\	Method Blank	RQ1904406-04	5/8/2019	16:21:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6515.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:33:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6516.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	17:55:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6517.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	18:17:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6519.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:01:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6521.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	19:46:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6522.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	20:08:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6524.D\	TB-03-24 (7-8)	R1903954-005	5/8/2019	20:52:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6525.D\	TB-06-24 (7-8)	R1903954-007	5/8/2019	21:15:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6526.D\	TB-07-24 (7-8)	R1903954-009	5/8/2019	21:37:00	
I:\ACQUDATA\MSVOA14\Data\050819\F6528.D\	TB-08-24 (8-9)	R1903954-011	5/8/2019	22:21:00	

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:635063
Instrument ID:R-MS-14

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUADATA\msvoa10\data\051019\E0972.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:15:00	
I:\ACQUADATA\msvoa10\data\051019\E0972.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:15:00	
I:\ACQUADATA\msvoa10\data\051019\E0973.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	09:50:00	
I:\ACQUADATA\msvoa10\data\051019\E0973.D\	Continuing Calibration Verification	RQ1904436-02	5/10/2019	09:50:00	
I:\ACQUADATA\msvoa10\data\051019\E0977.D\	Lab Control Sample	RQ1904436-03	5/10/2019	11:48:00	
I:\ACQUADATA\msvoa10\data\051019\E0977.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	11:48:00	
I:\ACQUADATA\msvoa10\data\051019\E0979.D\	Method Blank	RQ1904436-04	5/10/2019	12:34:00	
I:\ACQUADATA\msvoa10\data\051019\E0979.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	12:34:00	
I:\ACQUADATA\msvoa10\data\051019\E0985.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	14:53:00	
I:\ACQUADATA\msvoa10\data\051019\E0986.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	15:15:00	
I:\ACQUADATA\msvoa10\data\051019\E0987.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	15:39:00	
I:\ACQUADATA\msvoa10\data\051019\E0988.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	16:01:00	
I:\ACQUADATA\msvoa10\data\051019\E0989.D\	TB-02-24 (6-7)	R1903954-002	5/10/2019	16:23:00	
I:\ACQUADATA\msvoa10\data\051019\E0991.D\	ZZZZZZZ	ZZZZZZZ	5/10/2019	17:19:00	

624.1 & Analysis: 8260C ^{med.} waters - soils
 Date: 05/10/19 Analyst: *P. S. S. S.*
 Instr. MS#10 Balance ID: *HF083018*
 50 mL Class A used for dilution FV Syringes: 18117
 pH strips: Hyd. 204018
 ResCl strips: HF083018
 Tune Method: W043019.M
 Run Method: *↓*
 LIMS Run#: 635063 (med) / 635089 (W)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	50 Test Std							E0970	Y	
2	BK							71	O.K.	
3	Time Check							72	Y	
4	CCV							73	Y	
5	LCS-Acid							74	Y	
6	LCS-Wsp.							75	Y	
7	LCS-Acetytet +							76	Y	
8	LCS-Med.							77	Y	
9	Met BK							78	Y	
10	Med. Met BK							79	Y	
11	R1904013-0032	200	1.0mL/200mL = 1.0	15891	II	1	7	E0980	Y	
12	R1903953-018	1.0		6691	IV	1	<2	81	Y	
13	↓ -019	1.0		↓	↓	1	<2	82	Y	
14	R1904013-003	200	1.0mL/200mL	16102	II	1	7	83	Y	= DL
15	R1903811-001	20,000	1.0g/10mL; 25mL/50mL	10775	II	1	-	84	N	- weak rpt 250mL
16	R1903838-001	166	1.0mL (4g/10mL)/50mL	8043	II	med.	-	85	N	- rpt 250mL acetone
17	R1903923-004	162.5	200mL ext./50mL	12666	IV	med.	-	86	Y	TCE = 113
18	R1903811-001	2000	1.0g/10mL MeOH; 250mL/50mL	10775	II	med.	-	87	Y	matrix broadens peaks!
19	R1903838-001	664	250mL of (4g/10mL)/50mL	8043	II	med.	-	88	Y	= DL
20	R1903954-002	78	1.0mL ext./50mL	19396	IV	3032	-	89	Y	late CH hits hydrocarbons!
21	R1904013-003	10	5.0mL/50mL	16702	II	2	7	E0990	Y	- use w/ 200 above
22	R1903959-007	290	1.0mL ext./50mL	19396	IV	3011	-	91	Y	= DL
23	BK							92	Y	
24	R1903969-001	1.0	(LI)	6656	III	1	<2	93	Y	
25	↓ -002	1.0		↓	↓	1	<2	94	Y	
26	↓ -003	1.0		↓	↓	1	<2	95	Y	
27	R1903970-001	1.0		6656	III	1	<2	96	Y	
28	↓ -002	1.0		↓	↓	1	<2	97	Y	
29	↓ -003	1.0		↓	↓	1	<2	98	Y	
30	↓ -004	1.0		↓	↓	1	<2	99	N	- x-over rpt 7.0
31	R1903953-019MS	1.0		6691	IV	2	<2	E1000	Y	
32	↓ -019DMS	1.0		↓	↓	3	<2	01	Y	

Data Path: j:\acquadata\msvoa4\InstID\ (Date)
 All samples = 5.0 mL + 5.0 uL combined IS/ISurr. 5.0 mL purged
 Primary TG: 199136 5.0mL
 Primary HSL: 198696
 Primary OCC: 197917
 Primary Frt: 198619
 Primary
 Secondary TG: 198747 2.0mL, 4.2mL
 Secondary HSL: 198593
 Secondary OCC: 198044
 Secondary Frt: 198289 5.0mL, > 10.0mL
 Secondary EK + (Asst) 198848
 Secondary 5.0mL DI = Acetate + LCS
 Combined IS/ISurr
 Surrogate 50: 198898
 Internal Std 50: 199035
 Reagents: MeOH = 196148
 42 mL viable samp.
 = MS/DMS. Runlog-MSVOA4 1/17/17
 Page 44

Analysis: 8260C Analyst: F. Neugebauer
 Date: 5/8/19 Balance ID: 07 pH strips: ---
 Instr: MS14 50 mL Class A used for dilution FV ResCl strips: ---
 Data Path: j:\acquadat\msvoa4\InstID\ (Date) Syringes: 1906A 7 / 77958
 Tune Method: W032619.M
 Run Method: ↓
 LIMS Run#: 634784

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							F6498	Y	
2	BLK							↓ 44	Y	
3	TUNE							F6500	Y	
1	CCV							01	(N)	
1	CCV							02	(N)	clean space tube
1	BLK							03	Y	
2	TUNE							04	Y	
1	CCV							05	(N)	
1	CCV							06	(N)	Return
1	BLK							07	Y	
2	TUNE							08	Y	
1	CCV							09	Y	
2	LCS-MED		1/5mL					10	Y	
3	MBLK							11	(N)	
4	MED BLK	50.0	1/5mL					12	Y	
5	(R1903838-001)	183.0	↓	8043	2	3	-	13	(N)	Rpt low
6	BLK							14	Y	
7	R1903923-002	29.5	1/5mL	12466	4	3	-	15	Y	
8	(R1903904-004)	65.0	500μL/5mL					16	(Y)	Rpt 1/200
9	↓	33.0	1/5mL					17	Y	
10	BLK							18	Y	
11	(R1903959-007)	72.5	1/5mL	19396	4	3	-	19	(Y)	Rpt 1/200
12	BLK							20	Y	
13	R1903957-001	91.0	1/5mL	19396	4	3	-	21	Y	(DL)
14	↓	81.0	↓					22	Y	(DL)
15	BLK							23	Y	
16	R1903954-005	94.5	1/5mL	19396	4	3	-	24	Y	
17	-007	89.5						25	Y	
18	-009	83.0	↓					26	Y	(DL)
19	(R1903902-002)	156.0	500μL/5mL					27	(N)	Rpt 1/50
20	↓	142.0	↓					28	Y	
21	BLK							29	Y	

All samples = 5 mL + 5 μL combined IS/Surr. 5 mL purged

T/6 Primary 500 : 199136 - 5μL/5mL
 Fr Primary : 198696 -
 Fr Primary : 198619 -
 Dec Primary : 197917 -
 Primary

T/6 Secondary 200 : 198689 - 2μL
 Fr Secondary 500 : 198847 - 2μL
 Fr Secondary : 198593 -
 Dec Secondary : 198044 -
 Secondary

Combined IS/Surr :
 Surrogate 50 : 198898
 Internal Std 50 : 197035
 Reagents:

Method 5035 Tare Extraction Log

ALS Environmental - Rochester

Level: Low **Folder #:** R1903957 **Instrument:** R-BALANCE-07
Lot # MeOH: **Lot # Sodium Bisulfate:** **Comments:**

Serial #	Sample ID	Order #	Final WT (g)	Tare WT (g)	Bottle Prep/Tare Date	Tare Analyst	Sample WT (g)	DIL	Extraction Date	Extraction Analyst	Final WT Date	Final WT	Final WT	% Solid
18-352001332		R1903957-001	37.59	32.27		Manufacturer	5.32	0.94	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001324		R1903957-001	39.32	32.32		Manufacturer	7.00	0.71	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001292		R1903957-002	37.80	32.07		Manufacturer	5.73	0.87	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001291	M5	R1903957-002	37.48	32.11		Manufacturer	5.37	0.93	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001322	M5D	R1903957-002	37.63	32.08		Manufacturer	5.55	0.90	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001327		R1903957-002	38.50	32.33		Manufacturer	6.17	0.81	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000801		R1903957-003	38.96	32.07		Manufacturer	6.89	0.73	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000803		R1903957-003	38.17	32.12		Manufacturer	6.05	0.83	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000738		R1903957-004	38.76	32.22		Manufacturer	6.54	0.76	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000750	(2)	R1903957-004	38.03	32.15		Manufacturer	5.88	0.85	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001330		R1903957-005	38.37	32.20		Manufacturer	6.17	0.81	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001321		R1903957-005	38.40	32.25		Manufacturer	6.15	0.81	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001280		R1903957-006	38.97	32.26		Manufacturer	6.71	0.75	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001353		R1903957-006	38.79	32.37		Manufacturer	6.42	0.78	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000804		R1903957-007	39.04	31.99		Manufacturer	7.05	0.71	5/1/2019	Field	5/3/2019	F. Naegler		
18-352000820		R1903957-007	38.66	32.07		Manufacturer	6.59	0.76	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001307		R1903957-008	38.68	32.28		Manufacturer	6.40	0.78	5/1/2019	Field	5/3/2019	F. Naegler		
18-352001308		R1903957-008	38.85	32.02		Manufacturer	6.83	0.73	5/1/2019	Field	5/3/2019	F. Naegler		

Med Level based on 10 mLs MeOH
 Low Level based on 5 mL DI

Method 5035 Tare Extraction Log

ALS Environmental - Rochester

Level: Medium

Folder #: R1903957

Instrument: R-BALANCE-07

Lot # MeOH:
 Lot # Sodium Bisulfate:
 Comments:

Serial #	Sample ID	Order #	Final WT (g)	Tare WT (g)	Bottle Prep/Tare Date	Tare Analyst	Sample WT (g)	DIL	Extraction Date	Extraction Analyst	Final WT Date	Final WT	Final WT	% Solid
18-193003135		R1903957-001	38.99	33.06		Manufacturer	5.93	1.82	5/1/2019	Field	5/3/2019	F. Naegler		86.7
18-193003033		R1903957-002	38.65	32.83		Manufacturer	5.82		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003130		R1903957-002	44.14	32.77		Manufacturer	11.37		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003066		R1903957-003	39.03	32.64		Manufacturer	6.39	1.68	5/1/2019	Field	5/3/2019	F. Naegler		88.2
18-193002804		R1903957-004	38.00	32.99		Manufacturer	5.01		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003037		R1903957-005	38.85	32.84		Manufacturer	6.01		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003126		R1903957-006	37.40	33.02		Manufacturer	4.38		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003067		R1903957-007	39.74	32.98		Manufacturer	6.76		5/1/2019	Field	5/3/2019	F. Naegler		
18-193003147		R1903957-008	39.49	33.03		Manufacturer	6.46		5/1/2019	Field	5/3/2019	F. Naegler		

Med Level based on 10 mLs MeOH
 Low Level based on 5 mL DI

Analysis: 8260-Soil Analyst: F. Naegle pH strips: - Tune Method: SO41919.M
 Date: 5/4/19 Balance ID: 07 RascI strips: - Run Method: ↓
 Instr: MS14 50 mL Class A used for dilution FV Syringes: 190697 / 77958 LIMS Run#: 634334

Pos.	Sample	Diln.	Diln. Prep/	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							EW53	Y	
2	BLK							54	Y	
3	BLK							55	Y	
1	BLK							56	Y	
2	TUBE							57	Y	
1	CCV							58	Y	
2	CCV							59	Y	
3	MSBLK							60	Y	
4	MSBLK							61	Y	
5	R1903923-001	1.04	0.798	12666	4	2	-	62	Y	ISL; RA
6	↓	0.85	2537	↓	↓	2	-	63	Y	
7	R1903959-001	0.79	1278	19396	4	1	-	64	Y	
8	↓	0.76	0.720	↓	↓	1	-	65	Y	
9	↓	0.68	1300	↓	↓	1	-	66	Y	
10	R1903957-001	0.94	1332	19396	4	1	-	67	Y	ROT-MED (150)
11	↓	0.87	1292	↓	↓	1	-	68	Y	
12	↓	0.73	0.801	↓	↓	1	-	69	Y	ROT-MED (150)
13	↓	0.76	0.738	↓	↓	1	-	70	Y	ISL; Rot to confirm
14	↓	0.81	1330	↓	↓	1	-	71	Y	
15	↓	0.75	1280	↓	↓	1	-	72	Y	
16	↓	0.71	0.804	↓	↓	1	-	73	Y	
17	↓	0.78	1307	↓	↓	1	-	74	Y	
18	R1903954-009	0.71	0.741	↓	↓	1	-	75	Y	ROT-MED (150)
19	R1903957-002AS	0.93	1291	↓	↓	2	-	76	Y	
20	↓	0.90	1322	↓	↓	3	-	77	Y	
21	BLK							78	Y	
22								79	Y	
23								80	Y	
24								81	Y	
25								82	Y	

All samples = 5 ml + 5 ul combined IS/Surr.

T16 Primary 500 : 198694 - 5ml 50ml
 HSL Primary : 198696 -
 FC Primary : 198619 -
 DEC Primary : 197917 -

FC Secondary 200 : 198689 - 5ml
 T14 Secondary 500 : 198847 - 2ul
 HSL Secondary : 198593 -
 DEC Secondary : 198044 -

Combined IS/Surr :
 Surrogate 50 : 198898
 Internal Std 50 : 199035

10ml 2° 50K/50 = MS/MSD
 O-1003 Page 81
 Runlog-MSV0A14 1/17/17

Analysis: 672001201201 Analyst: K. Buehler pH strips: 201018 Tune Method: W05D119
 Date: 5/1/19 Balance ID: 01A ResCl strips: N/A Run Method: ↓
 Instr: 12 50 mL Class A used for dilution FV Syringes: 193043 LIMS Run#: 624556

Data Path: j:\acquadat\msv0a4\InstID\1(Date)

Pos.	Sample	Diln.	Diln. Prep/	RL	Tier	Vial	pH	File#	OK?	Comments
1	Spent CV							P20459	Y	
2	BCL							P20460	Y	
3	↓							P20461	Y	
4	↓							P20462	Y	
1	CV							P20463	Y	
1	LC5. AC WD							P20464	Y	
1	↓							P20465	Y	
2	VRUL							P20466	Y	
3	↓							P20467	Y	
1	P1904025.001	1.0		10917	2	1	22	P20468	Y	
2	↓							P20469	Y	
3	↓							P20470	Y	
4	↓							P20471	Y	
5	P1903502.014	1.0	P1903990	8532	2	1	22	P20472	Y	
6	↓			10474	2	1	22	P20473	Y	
7	↓							P20474	Y	
8	P1903954.012	1.0		10396	4	2	22	P20475	Y	
9	↓							P20476	Y	
10	↓							P20477	Y	
11	↓							P20478	Y	
12	P1903959.013	2.5		10396	4	2	22	P20479	Y	
13	BCL							P20480	Y	
14	↓							P20481	Y	
15	P1903990.002	1.0		8532	2	1	22	P20482	Y	
16	↓							P20483	Y	
17	↓							P20484	Y	
18	↓							P20485	Y	
19	↓							P20486	Y	
20	↓							P20487	Y	
21	↓							P20488	Y	
22	↓							P20489	Y	
23	JMS+MSD	005						P20490	Y	

All samples = 5 mL + 5 mL combined IS/Surr. 5 mL purged P20491

200 Secondary CV+ : 197917

Combined IS/Surr : 198898

500 Primary CV+ : 197917

200 Secondary CV+ : 198899

Surrogate SD : 198898

500 Primary TG : 1979136

200 Secondary TG : 1988917

Internal Std SD : 1979085

500 Primary HSL : 1979176

200 Secondary HSL : 1988923

Reagents: 10.0ul

Primary 10.0ul

Secondary 10.0ul

view 10

Analysis: B260C Analyst: P. Higgins pH strips: Hyd 204018 Tune Method: W043019.M
 Date: 05/08/19 Balance ID: _____ ResCl strips: _____ Run Method: _____
 Instr: MS# 10 50 mL Class A used for dilution FV Syringes: 18117 LIMS Run#: 634768

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	EQ Test Std.							E0940	Y	
2	B/K							41	O.K.	
3	Tune Check		(Run as a B/K)					42	Y	
4	CCV							43	Y	-DCDFM↑
5	LCS Acid							44	Y	
6	B/K							45	O.K.	-X-over
7	MEL B/K							46	Y	
8	R1903953-001	1.0		6691	IV	1	<2	47	Y	
9		1.0				1	<2	48	Y	
10		1.0				1	<2	49	Y	
11		1.0				1	<2	E0950	Y	
12		1.0				1	<2	51	Y	
13		1.0				1	<2	52	Y	
14		1.0	5.0mL/50mL			1	<2	53	Y	-Very Fizzy!
15	R1903954-016	5.0	10mL/50mL	19396	IV	3	<2	54	Y	
16	R1903959-013	2.5	20mL/50mL			3	<2	55	Y	
17	B/K							56	Y	
18	R1903953-009	1.0		6691	IV	1	<2	57	Y	
19		1.0				1	<2	58	Y	
20		1.0				1	<2	59	Y	
21		1.0				1	<2	E0960	Y	
22		1.0				1	<2	61	Y	
23		1.0				1	<2	62	Y	
24		1.0				1	<2	63	Y	
25		1.0				1	<2	64	Y	
26		1.0				1	<2	65	Y	
27		1.0				1	<2	66	Y	
28		1.0				1	<2	67	Y	
29		1.0				2	<2	68	Y	
30		1.0				3	<2	69	Y	
31	High Grams + B/Ks							E0970	Y	

All samples = 5.0 mL + 5.0 mL combined IS/Surr. 5.0 mL purged
 Primary TG 199136 5.0mL / 50mL DI
 Primary HSL 198696
 Primary OCC 197917
 Primary Fr+ 198619
 Primary
 Secondary TG 198847 2.0mL
 Secondary HSL 198593
 Secondary OCC 198044
 Secondary Fr+ 198689 5.0mL
 Secondary
 Combined IS/Surr
 Surrogate 50 : 198898
 Internal Std 50 : 199035
 Reagents:
 42mL Vials Same = MS/DMS
 LCS O-1008 Page 43
 Runlog-MSV0A4 1/17/17



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23

Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/07/19 17:49	5/6/19	
2,3,4,6-Tetrachlorophenol	97 U	390	97	1	05/07/19 17:49	5/6/19	
2,4,5-Trichlorophenol	97 U	390	97	1	05/07/19 17:49	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/07/19 17:49	5/6/19	
2,4-Dichlorophenol	80 U	390	80	1	05/07/19 17:49	5/6/19	
2,4-Dimethylphenol	75 U	390	75	1	05/07/19 17:49	5/6/19	
2,4-Dinitrophenol	73 U	2000	73	1	05/07/19 17:49	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/07/19 17:49	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/07/19 17:49	5/6/19	
2-Chloronaphthalene	86 U	390	86	1	05/07/19 17:49	5/6/19	
2-Chlorophenol	95 U	390	95	1	05/07/19 17:49	5/6/19	
2-Methylnaphthalene	88 U	390	88	1	05/07/19 17:49	5/6/19	
2-Methylphenol	95 U	390	95	1	05/07/19 17:49	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/07/19 17:49	5/6/19	
2-Nitrophenol	89 U	390	89	1	05/07/19 17:49	5/6/19	
3,3'-Dichlorobenzidine	120 U	390	120	1	05/07/19 17:49	5/6/19	
3- and 4-Methylphenol Coelution	98 U	390	98	1	05/07/19 17:49	5/6/19	
3-Nitroaniline	85 U	2000	85	1	05/07/19 17:49	5/6/19	
4,6-Dinitro-2-methylphenol	85 U	2000	85	1	05/07/19 17:49	5/6/19	
4-Bromophenyl Phenyl Ether	120 U	390	120	1	05/07/19 17:49	5/6/19	
4-Chloro-3-methylphenol	89 U	390	89	1	05/07/19 17:49	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/07/19 17:49	5/6/19	
4-Chlorophenyl Phenyl Ether	93 U	390	93	1	05/07/19 17:49	5/6/19	
4-Nitroaniline	86 U	2000	86	1	05/07/19 17:49	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 17:49	5/6/19	
Acenaphthene	94 J	390	86	1	05/07/19 17:49	5/6/19	
Acenaphthylene	430	390	80	1	05/07/19 17:49	5/6/19	
Acetophenone	91 U	390	91	1	05/07/19 17:49	5/6/19	
Anthracene	370 J	390	76	1	05/07/19 17:49	5/6/19	
Atrazine	110 U	390	110	1	05/07/19 17:49	5/6/19	
Benz(a)anthracene	2000	390	68	1	05/07/19 17:49	5/6/19	
Benzaldehyde	93 U	2000	93	1	05/07/19 17:49	5/6/19	
Benzo(a)pyrene	2700	390	79	1	05/07/19 17:49	5/6/19	
Benzo(b)fluoranthene	2600	390	71	1	05/07/19 17:49	5/6/19	
Benzo(g,h,i)perylene	1700	390	89	1	05/07/19 17:49	5/6/19	
Benzo(k)fluoranthene	1000	390	88	1	05/07/19 17:49	5/6/19	
Biphenyl	91 U	390	91	1	05/07/19 17:49	5/6/19	
2,2'-Oxybis(1-chloropropane)	96 U	390	96	1	05/07/19 17:49	5/6/19	
Bis(2-chloroethoxy)methane	90 U	390	90	1	05/07/19 17:49	5/6/19	
Bis(2-chloroethyl) Ether	71 U	390	71	1	05/07/19 17:49	5/6/19	
Bis(2-ethylhexyl) Phthalate	550 U	590	550	1	05/07/19 17:49	5/6/19	
Butyl Benzyl Phthalate	75 U	390	75	1	05/07/19 17:49	5/6/19	
Caprolactam	87 U	390	87	1	05/07/19 17:49	5/6/19	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23

Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110 J	390	97	1	05/07/19 17:49	5/6/19	
Chrysene	2000	390	77	1	05/07/19 17:49	5/6/19	
Di-n-butyl Phthalate	140 U	390	140	1	05/07/19 17:49	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/07/19 17:49	5/6/19	
Dibenz(a,h)anthracene	400	390	71	1	05/07/19 17:49	5/6/19	
Dibenzofuran	80 U	390	80	1	05/07/19 17:49	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/07/19 17:49	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/07/19 17:49	5/6/19	
Fluoranthene	2800	390	92	1	05/07/19 17:49	5/6/19	
Fluorene	98 U	390	98	1	05/07/19 17:49	5/6/19	
Hexachlorobenzene	91 U	390	91	1	05/07/19 17:49	5/6/19	
Hexachlorobutadiene	66 U	390	66	1	05/07/19 17:49	5/6/19	
Hexachlorocyclopentadiene	65 U	390	65	1	05/07/19 17:49	5/6/19	
Hexachloroethane	68 U	390	68	1	05/07/19 17:49	5/6/19	
Indeno(1,2,3-cd)pyrene	1600	390	86	1	05/07/19 17:49	5/6/19	
Isophorone	84 U	390	84	1	05/07/19 17:49	5/6/19	
N-Nitrosodi-n-propylamine	71 U	390	71	1	05/07/19 17:49	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/07/19 17:49	5/6/19	
Naphthalene	89 J	390	80	1	05/07/19 17:49	5/6/19	
Nitrobenzene	80 U	390	80	1	05/07/19 17:49	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 17:49	5/6/19	
Phenanthrene	1200	390	81	1	05/07/19 17:49	5/6/19	
Phenol	86 U	390	86	1	05/07/19 17:49	5/6/19	
Pyrene	2800	390	76	1	05/07/19 17:49	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	10 - 109	05/07/19 17:49	
2-Fluorobiphenyl	35	10 - 102	05/07/19 17:49	
2-Fluorophenol	24	10 - 88	05/07/19 17:49	
Nitrobenzene-d5	30	10 - 95	05/07/19 17:49	
Phenol-d6	27	10 - 145	05/07/19 17:49	
Terphenyl-d14	41	10 - 106	05/07/19 17:49	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	120 U	390	120	1	05/07/19 18:18	5/6/19	
2,3,4,6-Tetrachlorophenol	96 U	390	96	1	05/07/19 18:18	5/6/19	
2,4,5-Trichlorophenol	97 U	390	97	1	05/07/19 18:18	5/6/19	
2,4,6-Trichlorophenol	110 U	390	110	1	05/07/19 18:18	5/6/19	
2,4-Dichlorophenol	80 U	390	80	1	05/07/19 18:18	5/6/19	
2,4-Dimethylphenol	74 U	390	74	1	05/07/19 18:18	5/6/19	
2,4-Dinitrophenol	73 U	2000	73	1	05/07/19 18:18	5/6/19	
2,4-Dinitrotoluene	110 U	390	110	1	05/07/19 18:18	5/6/19	
2,6-Dinitrotoluene	140 U	390	140	1	05/07/19 18:18	5/6/19	
2-Chloronaphthalene	86 U	390	86	1	05/07/19 18:18	5/6/19	
2-Chlorophenol	95 U	390	95	1	05/07/19 18:18	5/6/19	
2-Methylnaphthalene	260 J	390	88	1	05/07/19 18:18	5/6/19	
2-Methylphenol	95 U	390	95	1	05/07/19 18:18	5/6/19	
2-Nitroaniline	120 U	2000	120	1	05/07/19 18:18	5/6/19	
2-Nitrophenol	89 U	390	89	1	05/07/19 18:18	5/6/19	
3,3'-Dichlorobenzidine	120 U	390	120	1	05/07/19 18:18	5/6/19	
3- and 4-Methylphenol Coelution	98 U	390	98	1	05/07/19 18:18	5/6/19	
3-Nitroaniline	84 U	2000	84	1	05/07/19 18:18	5/6/19	
4,6-Dinitro-2-methylphenol	84 U	2000	84	1	05/07/19 18:18	5/6/19	
4-Bromophenyl Phenyl Ether	110 U	390	110	1	05/07/19 18:18	5/6/19	
4-Chloro-3-methylphenol	89 U	390	89	1	05/07/19 18:18	5/6/19	
4-Chloroaniline	47 U	390	47	1	05/07/19 18:18	5/6/19	
4-Chlorophenyl Phenyl Ether	93 U	390	93	1	05/07/19 18:18	5/6/19	
4-Nitroaniline	86 U	2000	86	1	05/07/19 18:18	5/6/19	
4-Nitrophenol	230 U	2000	230	1	05/07/19 18:18	5/6/19	
Acenaphthene	86 U	390	86	1	05/07/19 18:18	5/6/19	
Acenaphthylene	80 U	390	80	1	05/07/19 18:18	5/6/19	
Acetophenone	91 U	390	91	1	05/07/19 18:18	5/6/19	
Anthracene	75 U	390	75	1	05/07/19 18:18	5/6/19	
Atrazine	110 U	390	110	1	05/07/19 18:18	5/6/19	
Benz(a)anthracene	130 J	390	68	1	05/07/19 18:18	5/6/19	
Benzaldehyde	93 U	2000	93	1	05/07/19 18:18	5/6/19	
Benzo(a)pyrene	100 J	390	78	1	05/07/19 18:18	5/6/19	
Benzo(b)fluoranthene	140 J	390	71	1	05/07/19 18:18	5/6/19	
Benzo(g,h,i)perylene	89 U	390	89	1	05/07/19 18:18	5/6/19	
Benzo(k)fluoranthene	87 U	390	87	1	05/07/19 18:18	5/6/19	
Biphenyl	91 U	390	91	1	05/07/19 18:18	5/6/19	
2,2'-Oxybis(1-chloropropane)	95 U	390	95	1	05/07/19 18:18	5/6/19	
Bis(2-chloroethoxy)methane	89 U	390	89	1	05/07/19 18:18	5/6/19	
Bis(2-chloroethyl) Ether	71 U	390	71	1	05/07/19 18:18	5/6/19	
Bis(2-ethylhexyl) Phthalate	540 U	590	540	1	05/07/19 18:18	5/6/19	
Butyl Benzyl Phthalate	74 U	390	74	1	05/07/19 18:18	5/6/19	
Caprolactam	87 U	390	87	1	05/07/19 18:18	5/6/19	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	97 U	390	97	1	05/07/19 18:18	5/6/19	
Chrysene	170 J	390	77	1	05/07/19 18:18	5/6/19	
Di-n-butyl Phthalate	130 U	390	130	1	05/07/19 18:18	5/6/19	
Di-n-octyl Phthalate	120 U	390	120	1	05/07/19 18:18	5/6/19	
Dibenz(a,h)anthracene	71 U	390	71	1	05/07/19 18:18	5/6/19	
Dibenzofuran	80 U	390	80	1	05/07/19 18:18	5/6/19	
Diethyl Phthalate	220 U	390	220	1	05/07/19 18:18	5/6/19	
Dimethyl Phthalate	110 U	390	110	1	05/07/19 18:18	5/6/19	
Fluoranthene	540	390	92	1	05/07/19 18:18	5/6/19	
Fluorene	98 U	390	98	1	05/07/19 18:18	5/6/19	
Hexachlorobenzene	91 U	390	91	1	05/07/19 18:18	5/6/19	
Hexachlorobutadiene	66 U	390	66	1	05/07/19 18:18	5/6/19	
Hexachlorocyclopentadiene	65 U	390	65	1	05/07/19 18:18	5/6/19	
Hexachloroethane	68 U	390	68	1	05/07/19 18:18	5/6/19	
Indeno(1,2,3-cd)pyrene	86 U	390	86	1	05/07/19 18:18	5/6/19	
Isophorone	84 U	390	84	1	05/07/19 18:18	5/6/19	
N-Nitrosodi-n-propylamine	71 U	390	71	1	05/07/19 18:18	5/6/19	
N-Nitrosodiphenylamine	180 U	390	180	1	05/07/19 18:18	5/6/19	
Naphthalene	160 J	390	80	1	05/07/19 18:18	5/6/19	
Nitrobenzene	80 U	390	80	1	05/07/19 18:18	5/6/19	
Pentachlorophenol (PCP)	130 U	2000	130	1	05/07/19 18:18	5/6/19	
Phenanthrene	340 J	390	81	1	05/07/19 18:18	5/6/19	
Phenol	85 U	390	85	1	05/07/19 18:18	5/6/19	
Pyrene	420	390	76	1	05/07/19 18:18	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	41	10 - 109	05/07/19 18:18	
2-Fluorobiphenyl	20	10 - 102	05/07/19 18:18	
2-Fluorophenol	17	10 - 88	05/07/19 18:18	
Nitrobenzene-d5	19	10 - 95	05/07/19 18:18	
Phenol-d6	18	10 - 145	05/07/19 18:18	
Terphenyl-d14	39	10 - 106	05/07/19 18:18	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	130 U	430	130	1	05/07/19 18:47	5/6/19	
2,3,4,6-Tetrachlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,4,5-Trichlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,4,6-Trichlorophenol	120 U	430	120	1	05/07/19 18:47	5/6/19	
2,4-Dichlorophenol	89 U	430	89	1	05/07/19 18:47	5/6/19	
2,4-Dimethylphenol	82 U	430	82	1	05/07/19 18:47	5/6/19	
2,4-Dinitrophenol	81 U	2200	81	1	05/07/19 18:47	5/6/19	
2,4-Dinitrotoluene	120 U	430	120	1	05/07/19 18:47	5/6/19	
2,6-Dinitrotoluene	160 U	430	160	1	05/07/19 18:47	5/6/19	
2-Chloronaphthalene	95 U	430	95	1	05/07/19 18:47	5/6/19	
2-Chlorophenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2-Methylnaphthalene	97 U	430	97	1	05/07/19 18:47	5/6/19	
2-Methylphenol	110 U	430	110	1	05/07/19 18:47	5/6/19	
2-Nitroaniline	130 U	2200	130	1	05/07/19 18:47	5/6/19	
2-Nitrophenol	98 U	430	98	1	05/07/19 18:47	5/6/19	
3,3'-Dichlorobenzidine	140 U	430	140	1	05/07/19 18:47	5/6/19	
3- and 4-Methylphenol Coelution	110 U	430	110	1	05/07/19 18:47	5/6/19	
3-Nitroaniline	93 U	2200	93	1	05/07/19 18:47	5/6/19	
4,6-Dinitro-2-methylphenol	93 U	2200	93	1	05/07/19 18:47	5/6/19	
4-Bromophenyl Phenyl Ether	130 U	430	130	1	05/07/19 18:47	5/6/19	
4-Chloro-3-methylphenol	98 U	430	98	1	05/07/19 18:47	5/6/19	
4-Chloroaniline	52 U	430	52	1	05/07/19 18:47	5/6/19	
4-Chlorophenyl Phenyl Ether	110 U	430	110	1	05/07/19 18:47	5/6/19	
4-Nitroaniline	95 U	2200	95	1	05/07/19 18:47	5/6/19	
4-Nitrophenol	250 U	2200	250	1	05/07/19 18:47	5/6/19	
Acenaphthene	95 U	430	95	1	05/07/19 18:47	5/6/19	
Acenaphthylene	88 U	430	88	1	05/07/19 18:47	5/6/19	
Acetophenone	110 U	430	110	1	05/07/19 18:47	5/6/19	
Anthracene	83 U	430	83	1	05/07/19 18:47	5/6/19	
Atrazine	120 U	430	120	1	05/07/19 18:47	5/6/19	
Benz(a)anthracene	120 J	430	75	1	05/07/19 18:47	5/6/19	
Benzaldehyde	110 U	2200	110	1	05/07/19 18:47	5/6/19	
Benzo(a)pyrene	180 J	430	87	1	05/07/19 18:47	5/6/19	
Benzo(b)fluoranthene	180 J	430	79	1	05/07/19 18:47	5/6/19	
Benzo(g,h,i)perylene	220 J	430	98	1	05/07/19 18:47	5/6/19	
Benzo(k)fluoranthene	97 U	430	97	1	05/07/19 18:47	5/6/19	
Biphenyl	110 U	430	110	1	05/07/19 18:47	5/6/19	
2,2'-Oxybis(1-chloropropane)	110 U	430	110	1	05/07/19 18:47	5/6/19	
Bis(2-chloroethoxy)methane	99 U	430	99	1	05/07/19 18:47	5/6/19	
Bis(2-chloroethyl) Ether	78 U	430	78	1	05/07/19 18:47	5/6/19	
Bis(2-ethylhexyl) Phthalate	600 U	650	600	1	05/07/19 18:47	5/6/19	
Butyl Benzyl Phthalate	82 U	430	82	1	05/07/19 18:47	5/6/19	
Caprolactam	96 U	430	96	1	05/07/19 18:47	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	110 U	430	110	1	05/07/19 18:47	5/6/19	
Chrysene	140 J	430	85	1	05/07/19 18:47	5/6/19	
Di-n-butyl Phthalate	150 U	430	150	1	05/07/19 18:47	5/6/19	
Di-n-octyl Phthalate	130 U	430	130	1	05/07/19 18:47	5/6/19	
Dibenz(a,h)anthracene	78 U	430	78	1	05/07/19 18:47	5/6/19	
Dibenzofuran	88 U	430	88	1	05/07/19 18:47	5/6/19	
Diethyl Phthalate	240 U	430	240	1	05/07/19 18:47	5/6/19	
Dimethyl Phthalate	120 U	430	120	1	05/07/19 18:47	5/6/19	
Fluoranthene	190 J	430	110	1	05/07/19 18:47	5/6/19	
Fluorene	110 U	430	110	1	05/07/19 18:47	5/6/19	
Hexachlorobenzene	100 U	430	100	1	05/07/19 18:47	5/6/19	
Hexachlorobutadiene	73 U	430	73	1	05/07/19 18:47	5/6/19	
Hexachlorocyclopentadiene	71 U	430	71	1	05/07/19 18:47	5/6/19	
Hexachloroethane	75 U	430	75	1	05/07/19 18:47	5/6/19	
Indeno(1,2,3-cd)pyrene	160 J	430	95	1	05/07/19 18:47	5/6/19	
Isophorone	93 U	430	93	1	05/07/19 18:47	5/6/19	
N-Nitrosodi-n-propylamine	78 U	430	78	1	05/07/19 18:47	5/6/19	
N-Nitrosodiphenylamine	200 U	430	200	1	05/07/19 18:47	5/6/19	
Naphthalene	89 U	430	89	1	05/07/19 18:47	5/6/19	
Nitrobenzene	89 U	430	89	1	05/07/19 18:47	5/6/19	
Pentachlorophenol (PCP)	150 U	2200	150	1	05/07/19 18:47	5/6/19	
Phenanthrene	90 U	430	90	1	05/07/19 18:47	5/6/19	
Phenol	94 U	430	94	1	05/07/19 18:47	5/6/19	
Pyrene	260 J	430	84	1	05/07/19 18:47	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	34	10 - 109	05/07/19 18:47	
2-Fluorobiphenyl	28	10 - 102	05/07/19 18:47	
2-Fluorophenol	26	10 - 88	05/07/19 18:47	
Nitrobenzene-d5	32	10 - 95	05/07/19 18:47	
Phenol-d6	29	10 - 145	05/07/19 18:47	
Terphenyl-d14	46	10 - 106	05/07/19 18:47	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	330 U	1100	330	3	05/07/19 19:16	5/6/19	
2,3,4,6-Tetrachlorophenol	280 U	1100	280	3	05/07/19 19:16	5/6/19	
2,4,5-Trichlorophenol	280 U	1100	280	3	05/07/19 19:16	5/6/19	
2,4,6-Trichlorophenol	290 U	1100	290	3	05/07/19 19:16	5/6/19	
2,4-Dichlorophenol	230 U	1100	230	3	05/07/19 19:16	5/6/19	
2,4-Dimethylphenol	210 U	1100	210	3	05/07/19 19:16	5/6/19	
2,4-Dinitrophenol	210 U	5700	210	3	05/07/19 19:16	5/6/19	
2,4-Dinitrotoluene	290 U	1100	290	3	05/07/19 19:16	5/6/19	
2,6-Dinitrotoluene	390 U	1100	390	3	05/07/19 19:16	5/6/19	
2-Chloronaphthalene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
2-Chlorophenol	270 U	1100	270	3	05/07/19 19:16	5/6/19	
2-Methylnaphthalene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
2-Methylphenol	270 U	1100	270	3	05/07/19 19:16	5/6/19	
2-Nitroaniline	320 U	5700	320	3	05/07/19 19:16	5/6/19	
2-Nitrophenol	260 U	1100	260	3	05/07/19 19:16	5/6/19	
3,3'-Dichlorobenzidine	340 U	1100	340	3	05/07/19 19:16	5/6/19	
3- and 4-Methylphenol Coelution	280 U	1100	280	3	05/07/19 19:16	5/6/19	
3-Nitroaniline	240 U	5700	240	3	05/07/19 19:16	5/6/19	
4,6-Dinitro-2-methylphenol	240 U	5700	240	3	05/07/19 19:16	5/6/19	
4-Bromophenyl Phenyl Ether	320 U	1100	320	3	05/07/19 19:16	5/6/19	
4-Chloro-3-methylphenol	260 U	1100	260	3	05/07/19 19:16	5/6/19	
4-Chloroaniline	140 U	1100	140	3	05/07/19 19:16	5/6/19	
4-Chlorophenyl Phenyl Ether	270 U	1100	270	3	05/07/19 19:16	5/6/19	
4-Nitroaniline	250 U	5700	250	3	05/07/19 19:16	5/6/19	
4-Nitrophenol	650 U	5700	650	3	05/07/19 19:16	5/6/19	
Acenaphthene	250 U	1100	250	3	05/07/19 19:16	5/6/19	
Acenaphthylene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Acetophenone	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Anthracene	240 J	1100	220	3	05/07/19 19:16	5/6/19	
Atrazine	300 U	1100	300	3	05/07/19 19:16	5/6/19	
Benz(a)anthracene	770 J	1100	200	3	05/07/19 19:16	5/6/19	
Benzaldehyde	270 U	5700	270	3	05/07/19 19:16	5/6/19	
Benzo(a)pyrene	1100	1100	230	3	05/07/19 19:16	5/6/19	
Benzo(b)fluoranthene	990 J	1100	210	3	05/07/19 19:16	5/6/19	
Benzo(g,h,i)perylene	800 J	1100	260	3	05/07/19 19:16	5/6/19	
Benzo(k)fluoranthene	320 J	1100	250	3	05/07/19 19:16	5/6/19	
Biphenyl	260 U	1100	260	3	05/07/19 19:16	5/6/19	
2,2'-Oxybis(1-chloropropane)	270 U	1100	270	3	05/07/19 19:16	5/6/19	
Bis(2-chloroethoxy)methane	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Bis(2-chloroethyl) Ether	210 U	1100	210	3	05/07/19 19:16	5/6/19	
Bis(2-ethylhexyl) Phthalate	1600 U	1700	1600	3	05/07/19 19:16	5/6/19	
Butyl Benzyl Phthalate	220 U	1100	220	3	05/07/19 19:16	5/6/19	
Caprolactam	250 U	1100	250	3	05/07/19 19:16	5/6/19	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23

Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	280 U	1100	280	3	05/07/19 19:16	5/6/19	
Chrysene	870 J	1100	220	3	05/07/19 19:16	5/6/19	
Di-n-butyl Phthalate	370 U	1100	370	3	05/07/19 19:16	5/6/19	
Di-n-octyl Phthalate	340 U	1100	340	3	05/07/19 19:16	5/6/19	
Dibenz(a,h)anthracene	200 U	1100	200	3	05/07/19 19:16	5/6/19	
Dibenzofuran	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Diethyl Phthalate	610 U	1100	610	3	05/07/19 19:16	5/6/19	
Dimethyl Phthalate	310 U	1100	310	3	05/07/19 19:16	5/6/19	
Fluoranthene	1100	1100	260	3	05/07/19 19:16	5/6/19	
Fluorene	280 U	1100	280	3	05/07/19 19:16	5/6/19	
Hexachlorobenzene	260 U	1100	260	3	05/07/19 19:16	5/6/19	
Hexachlorobutadiene	190 U	1100	190	3	05/07/19 19:16	5/6/19	
Hexachlorocyclopentadiene	190 U	1100	190	3	05/07/19 19:16	5/6/19	
Hexachloroethane	200 U	1100	200	3	05/07/19 19:16	5/6/19	
Indeno(1,2,3-cd)pyrene	590 J	1100	250	3	05/07/19 19:16	5/6/19	
Isophorone	240 U	1100	240	3	05/07/19 19:16	5/6/19	
N-Nitrosodi-n-propylamine	200 U	1100	200	3	05/07/19 19:16	5/6/19	
N-Nitrosodiphenylamine	500 U	1100	500	3	05/07/19 19:16	5/6/19	
Naphthalene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Nitrobenzene	230 U	1100	230	3	05/07/19 19:16	5/6/19	
Pentachlorophenol (PCP)	370 U	5700	370	3	05/07/19 19:16	5/6/19	
Phenanthrene	840 J	1100	230	3	05/07/19 19:16	5/6/19	
Phenol	250 U	1100	250	3	05/07/19 19:16	5/6/19	
Pyrene	1500	1100	220	3	05/07/19 19:16	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	10 - 109	05/07/19 19:16	
2-Fluorobiphenyl	36	10 - 102	05/07/19 19:16	
2-Fluorophenol	30	10 - 88	05/07/19 19:16	
Nitrobenzene-d5	34	10 - 95	05/07/19 19:16	
Phenol-d6	28	10 - 145	05/07/19 19:16	
Terphenyl-d14	42	10 - 106	05/07/19 19:16	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	330 U	1100	330	3	05/07/19 19:44	5/6/19	
2,3,4,6-Tetrachlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2,4,5-Trichlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2,4,6-Trichlorophenol	290 U	1100	290	3	05/07/19 19:44	5/6/19	
2,4-Dichlorophenol	230 U	1100	230	3	05/07/19 19:44	5/6/19	
2,4-Dimethylphenol	220 U	1100	220	3	05/07/19 19:44	5/6/19	
2,4-Dinitrophenol	210 U	5800	210	3	05/07/19 19:44	5/6/19	
2,4-Dinitrotoluene	300 U	1100	300	3	05/07/19 19:44	5/6/19	
2,6-Dinitrotoluene	400 U	1100	400	3	05/07/19 19:44	5/6/19	
2-Chloronaphthalene	250 U	1100	250	3	05/07/19 19:44	5/6/19	
2-Chlorophenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2-Methylnaphthalene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
2-Methylphenol	280 U	1100	280	3	05/07/19 19:44	5/6/19	
2-Nitroaniline	330 U	5800	330	3	05/07/19 19:44	5/6/19	
2-Nitrophenol	260 U	1100	260	3	05/07/19 19:44	5/6/19	
3,3'-Dichlorobenzidine	350 U	1100	350	3	05/07/19 19:44	5/6/19	
3- and 4-Methylphenol Coelution	290 U	1100	290	3	05/07/19 19:44	5/6/19	
3-Nitroaniline	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4,6-Dinitro-2-methylphenol	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4-Bromophenyl Phenyl Ether	320 U	1100	320	3	05/07/19 19:44	5/6/19	
4-Chloro-3-methylphenol	260 U	1100	260	3	05/07/19 19:44	5/6/19	
4-Chloroaniline	140 U	1100	140	3	05/07/19 19:44	5/6/19	
4-Chlorophenyl Phenyl Ether	270 U	1100	270	3	05/07/19 19:44	5/6/19	
4-Nitroaniline	250 U	5800	250	3	05/07/19 19:44	5/6/19	
4-Nitrophenol	660 U	5800	660	3	05/07/19 19:44	5/6/19	
Acenaphthene	250 U	1100	250	3	05/07/19 19:44	5/6/19	
Acenaphthylene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Acetophenone	270 U	1100	270	3	05/07/19 19:44	5/6/19	
Anthracene	310 J	1100	220	3	05/07/19 19:44	5/6/19	
Atrazine	310 U	1100	310	3	05/07/19 19:44	5/6/19	
Benz(a)anthracene	720 J	1100	200	3	05/07/19 19:44	5/6/19	
Benzaldehyde	270 U	5800	270	3	05/07/19 19:44	5/6/19	
Benzo(a)pyrene	680 J	1100	230	3	05/07/19 19:44	5/6/19	
Benzo(b)fluoranthene	700 J	1100	210	3	05/07/19 19:44	5/6/19	
Benzo(g,h,i)perylene	470 J	1100	260	3	05/07/19 19:44	5/6/19	
Benzo(k)fluoranthene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Biphenyl	270 U	1100	270	3	05/07/19 19:44	5/6/19	
2,2'-Oxybis(1-chloropropane)	280 U	1100	280	3	05/07/19 19:44	5/6/19	
Bis(2-chloroethoxy)methane	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Bis(2-chloroethyl) Ether	210 U	1100	210	3	05/07/19 19:44	5/6/19	
Bis(2-ethylhexyl) Phthalate	1600 U	1700	1600	3	05/07/19 19:44	5/6/19	
Butyl Benzyl Phthalate	220 U	1100	220	3	05/07/19 19:44	5/6/19	
Caprolactam	250 U	1100	250	3	05/07/19 19:44	5/6/19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23

Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Units: ug/Kg
Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	280 U	1100	280	3	05/07/19 19:44	5/6/19	
Chrysene	720 J	1100	220	3	05/07/19 19:44	5/6/19	
Di-n-butyl Phthalate	380 U	1100	380	3	05/07/19 19:44	5/6/19	
Di-n-octyl Phthalate	340 U	1100	340	3	05/07/19 19:44	5/6/19	
Dibenz(a,h)anthracene	210 U	1100	210	3	05/07/19 19:44	5/6/19	
Dibenzofuran	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Diethyl Phthalate	620 U	1100	620	3	05/07/19 19:44	5/6/19	
Dimethyl Phthalate	310 U	1100	310	3	05/07/19 19:44	5/6/19	
Fluoranthene	1600	1100	270	3	05/07/19 19:44	5/6/19	
Fluorene	290 U	1100	290	3	05/07/19 19:44	5/6/19	
Hexachlorobenzene	260 U	1100	260	3	05/07/19 19:44	5/6/19	
Hexachlorobutadiene	190 U	1100	190	3	05/07/19 19:44	5/6/19	
Hexachlorocyclopentadiene	190 U	1100	190	3	05/07/19 19:44	5/6/19	
Hexachloroethane	200 U	1100	200	3	05/07/19 19:44	5/6/19	
Indeno(1,2,3-cd)pyrene	370 J	1100	250	3	05/07/19 19:44	5/6/19	
Isophorone	250 U	1100	250	3	05/07/19 19:44	5/6/19	
N-Nitrosodi-n-propylamine	210 U	1100	210	3	05/07/19 19:44	5/6/19	
N-Nitrosodiphenylamine	500 U	1100	500	3	05/07/19 19:44	5/6/19	
Naphthalene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Nitrobenzene	230 U	1100	230	3	05/07/19 19:44	5/6/19	
Pentachlorophenol (PCP)	380 U	5800	380	3	05/07/19 19:44	5/6/19	
Phenanthrene	1300	1100	240	3	05/07/19 19:44	5/6/19	
Phenol	250 U	1100	250	3	05/07/19 19:44	5/6/19	
Pyrene	1800	1100	220	3	05/07/19 19:44	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	44	10 - 109	05/07/19 19:44	
2-Fluorobiphenyl	38	10 - 102	05/07/19 19:44	
2-Fluorophenol	33	10 - 88	05/07/19 19:44	
Nitrobenzene-d5	36	10 - 95	05/07/19 19:44	
Phenol-d6	31	10 - 145	05/07/19 19:44	
Terphenyl-d14	42	10 - 106	05/07/19 19:44	

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR673.D
Acq On : 7 May 2019 5:49 pm
Operator : JMisiurewicz
Sample : R1903954-001
Misc : 335967 8270D SOIL
ALS Vial : 13 Sample Multiplier: 1

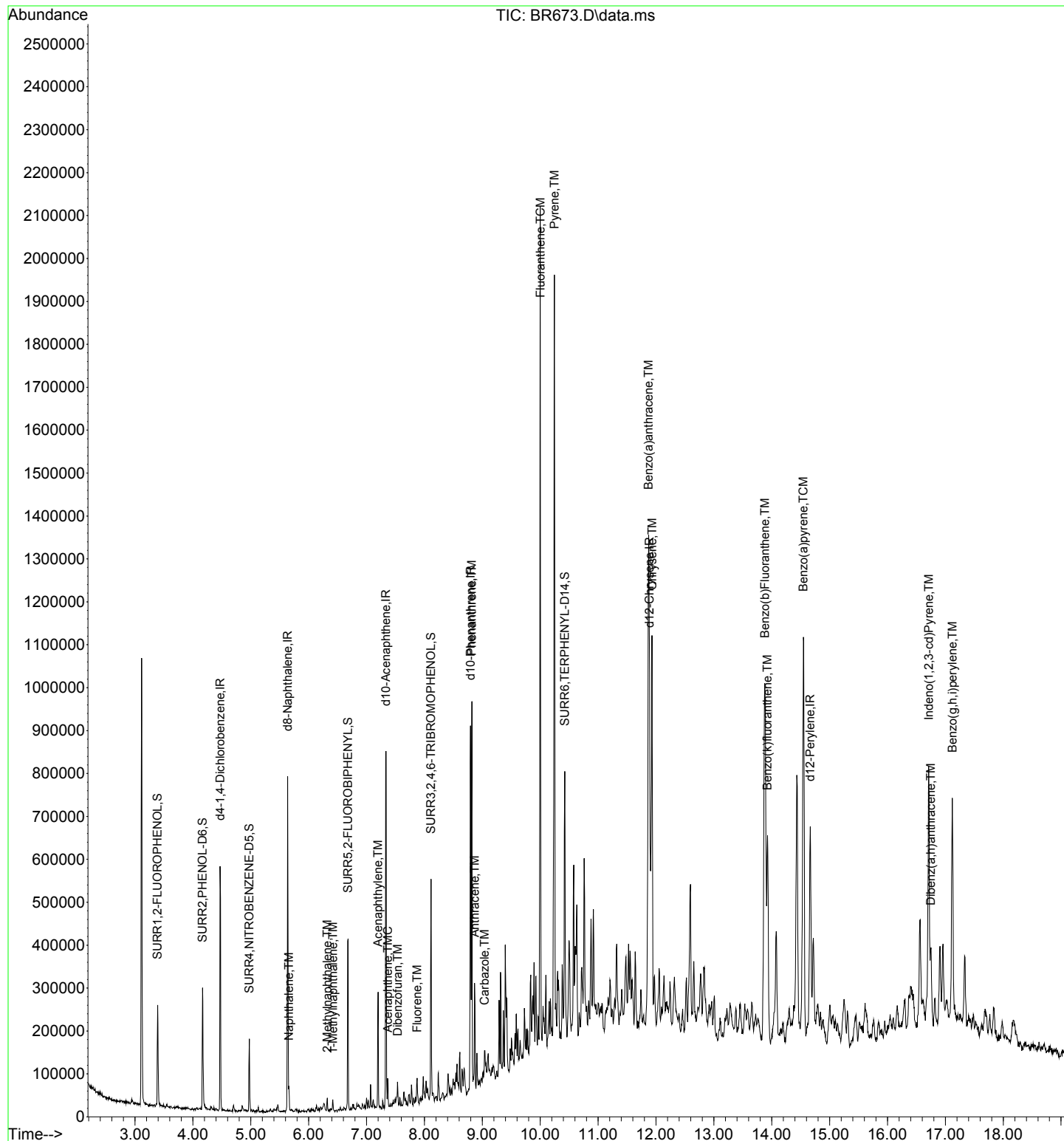
Quant Time: May 08 11:01:05 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

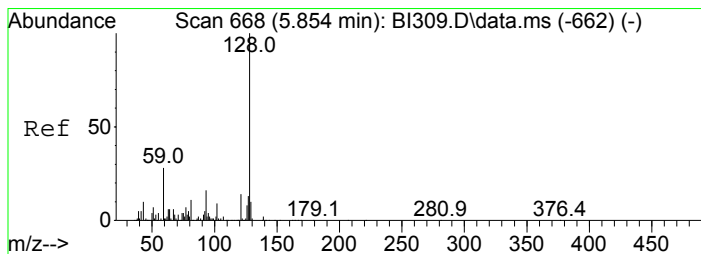
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	78397	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	293196	40.00	ppm	0.00
57) d10-Acenaphthene	7.332	164	164008	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	283812	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	302667	40.00	ppm	0.00
135) d12-Perylene	14.665	264	323510	40.00	ppm	0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.390	112	66823	24.23	ppm	0.00
Spiked Amount 200.000	Range 10	- 88	Recovery =	12.12%		
12) SURR2,PHENOL-D6	4.166	99	93585	27.34	ppm	0.00
Spiked Amount 200.000	Range 10	- 145	Recovery =	13.67%		
34) SURR4,NITROBENZENE-D5	4.973	82	45129	14.94	ppm	0.00
Spiked Amount 100.000	Range 10	- 95	Recovery =	14.94%		
63) SURR5,2-FLUOROBIPHENYL	6.680	172	113891	17.72	ppm	0.00
Spiked Amount 100.000	Range 10	- 102	Recovery =	17.72%		
88) SURR3,2,4,6-TRIBROMOPH...	8.113	330	49344	41.52	ppm	0.00
Spiked Amount 200.000	Range 10	- 109	Recovery =	20.76%		
124) SURR6,TERPHENYL-D14	10.424	244	156703	20.67	ppm	0.00
Spiked Amount 100.000	Range 10	- 106	Recovery =	20.67%		
Target Compounds						
45) Naphthalene	5.658	128	19687	2.262	ppm	95
55) 2-Methylnaphthalene	6.321	142	7139	1.202	ppm	93
56) 1-Methylnaphthalene	6.418	142	5852	1.045	ppm	93
70) Acenaphthylene	7.199	152	95588	10.968	ppm	98
73) Acenaphthene	7.364	153	14512	2.382	ppm	95
76) Dibenzofuran	7.535	168	13476	1.695	ppm	83
83) Fluorene	7.872	166	15882	2.465	ppm	79
111) Phenanthrene	8.819	178	277460	30.158	ppm	97
112) Anthracene	8.867	178	85161	9.428	ppm	96
113) Carbazole	9.038	167	24408	2.851	ppm	95
116) Fluoranthene	10.001	202	708855	70.195	ppm	99
123) Pyrene	10.247	202	763940	71.892	ppm	99
132) Benzo(a)anthracene	11.873	228	512675	50.900	ppm	89
133) Chrysene	11.932	228	492238	51.455	ppm	98
138) Benzo(b)Fluoranthene	13.879	252	742525	66.264	ppm	96
139) Benzo(k)fluoranthene	13.927	252	264954	25.331	ppm	94
140) Benzo(a)pyrene	14.548	252	638087	68.342	ppm	99
142) Indeno(1,2,3-cd)Pyrene	16.714	276	388447	40.664	ppm	90
143) Dibenz(a,h)anthracene	16.746	278	103719	10.193	ppm	96
144) Benzo(g,h,i)perylene	17.120	276	358434	42.666	ppm	94

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR673.D
Acq On : 7 May 2019 5:49 pm
Operator : JMisiurewicz
Sample : R1903954-001
Misc : 335967 8270D SOIL
ALS Vial : 13 Sample Multiplier: 1

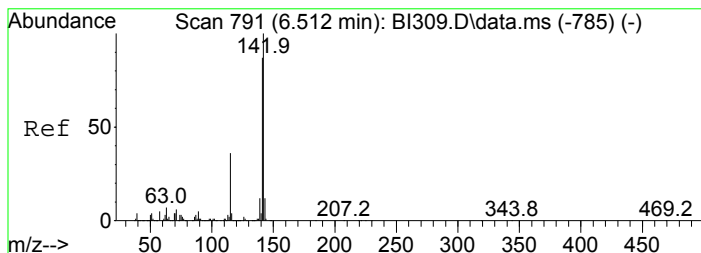
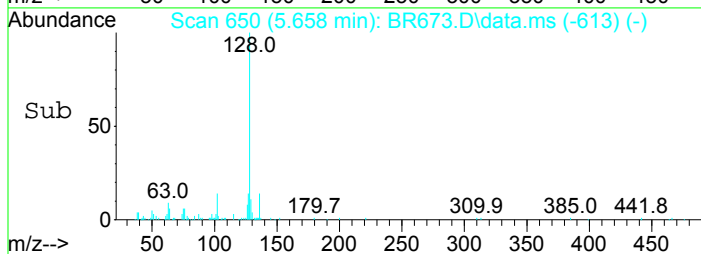
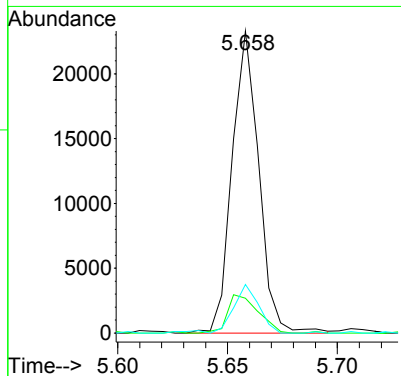
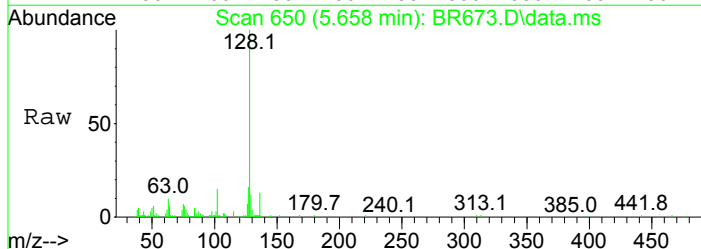
Quant Time: May 08 11:01:05 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration





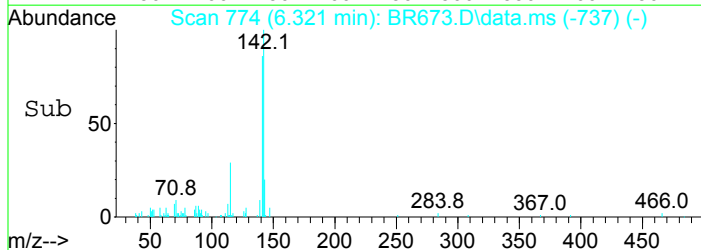
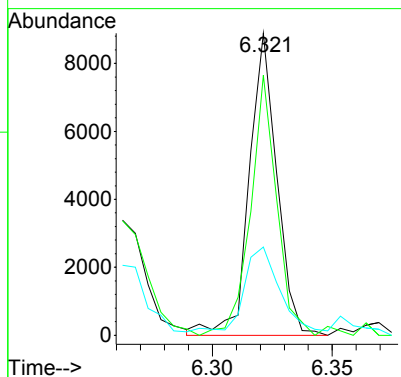
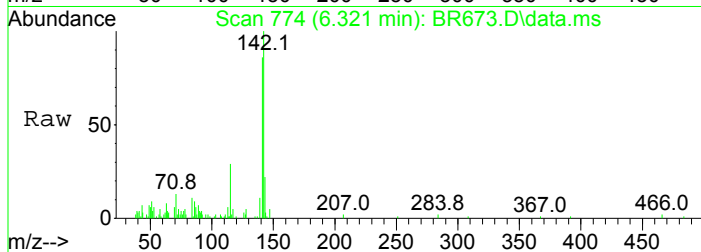
#45
 Naphthalene
 Concen: 2.26 ppm
 RT: 5.658 min Scan# 650
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

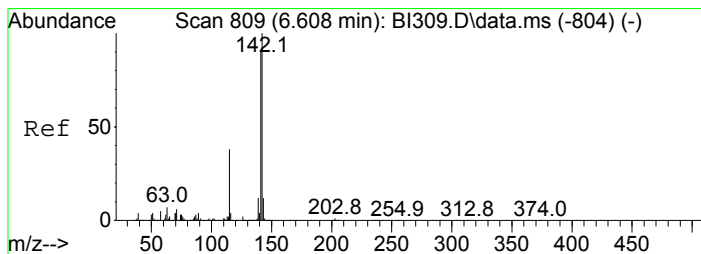
Tgt Ion	Resp	Lower	Upper
128	19687		
129	11.6	0.0	31.3
127	15.9	0.0	32.6



#55
 2-Methylnaphthalene
 Concen: 1.20 ppm
 RT: 6.321 min Scan# 774
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

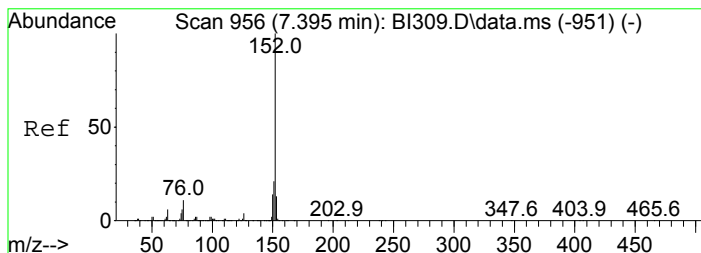
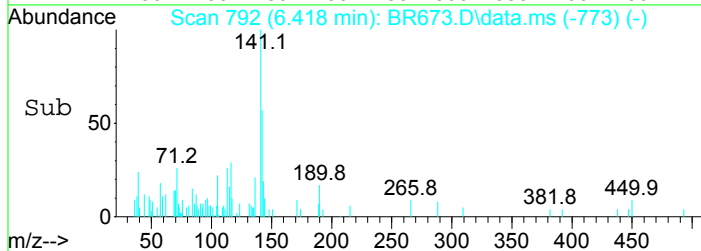
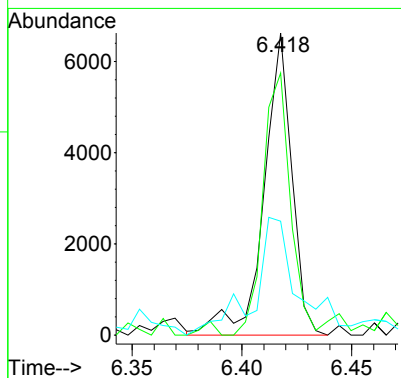
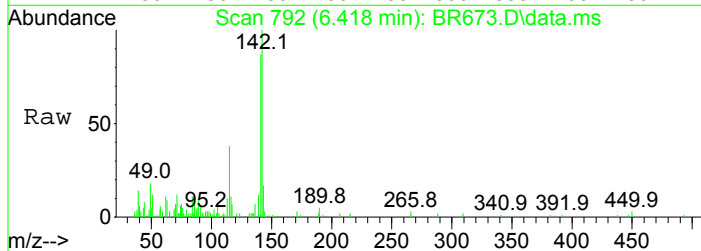
Tgt Ion	Resp	Lower	Upper
142	7139		
141	83.4	67.8	107.8
115	28.2	16.4	56.4





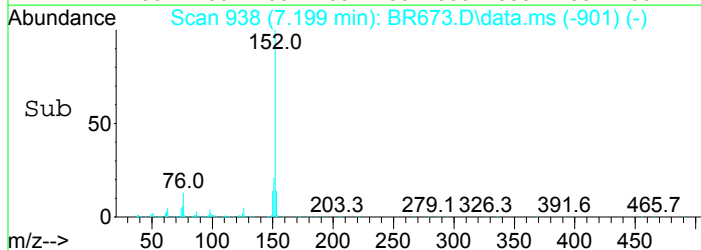
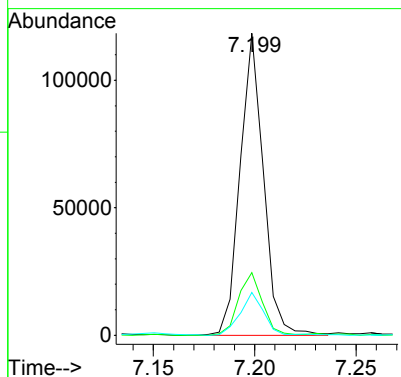
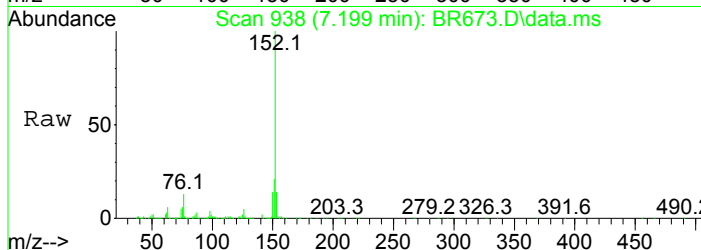
#56
 1-Methylnaphthalene
 Concen: 1.05 ppm
 RT: 6.418 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

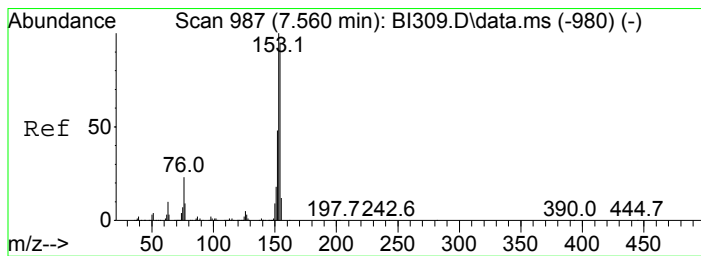
Tgt Ion	Resp	Lower	Upper
142	100		
141	85.0	59.8	119.8
115	31.6	7.8	67.8



#70
 Acenaphthylene
 Concen: 10.97 ppm
 RT: 7.199 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

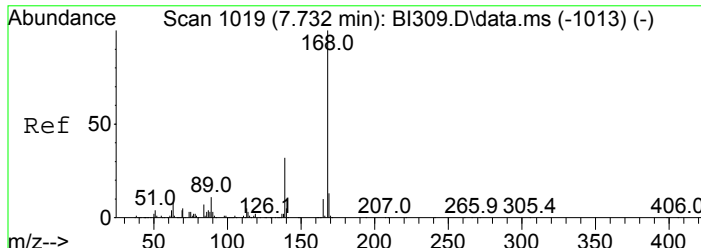
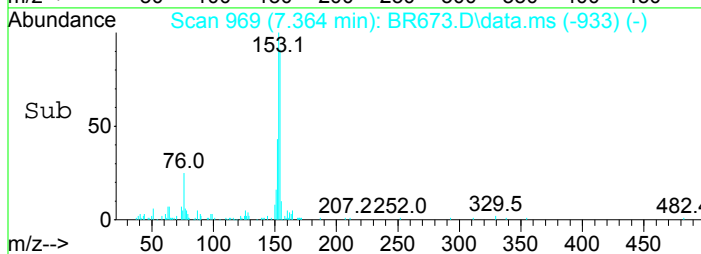
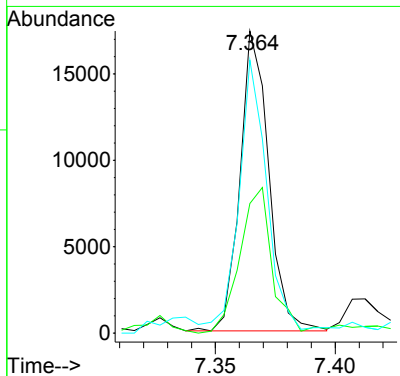
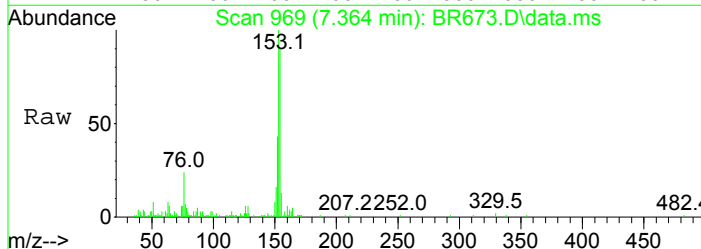
Tgt Ion	Resp	Lower	Upper
152	100		
151	20.7	0.2	40.2
153	14.0	0.0	32.8





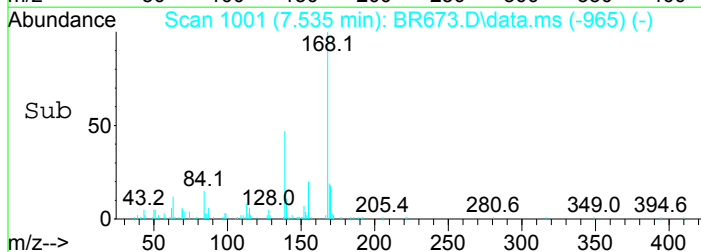
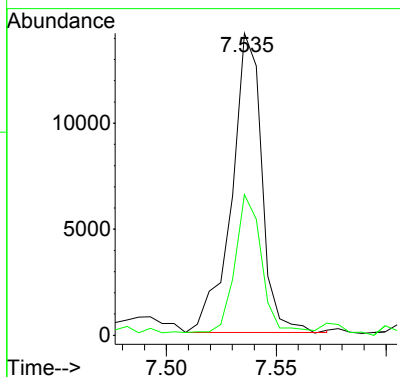
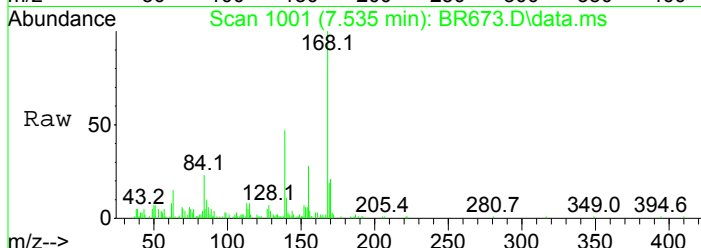
#73
 Acenaphthene
 Concen: 2.38 ppm
 RT: 7.364 min Scan# 969
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

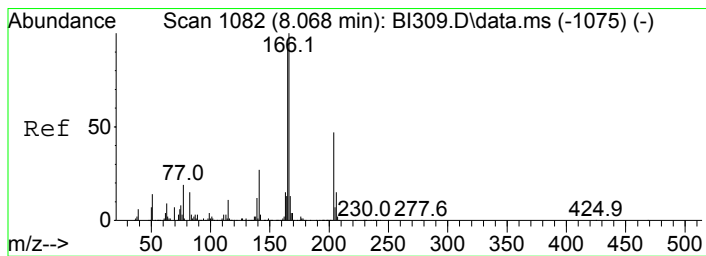
Tgt Ion	Resp	Lower	Upper
153	100		
152	42.1	27.6	67.6
154	87.7	70.1	110.1



#76
 Dibenzofuran
 Concen: 1.69 ppm
 RT: 7.535 min Scan# 1001
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

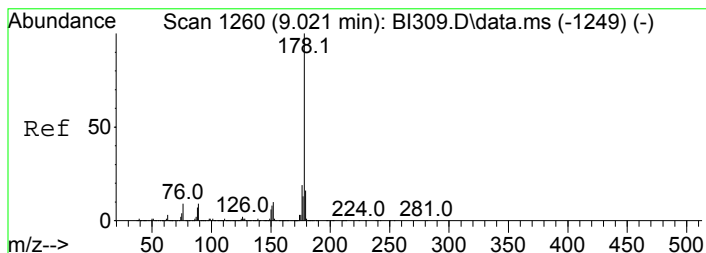
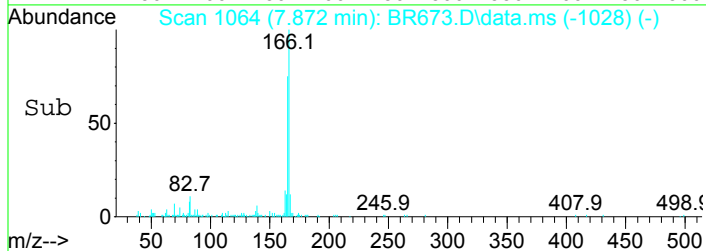
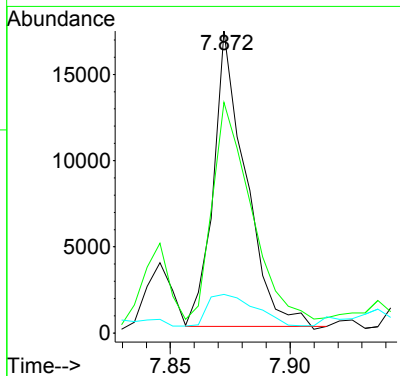
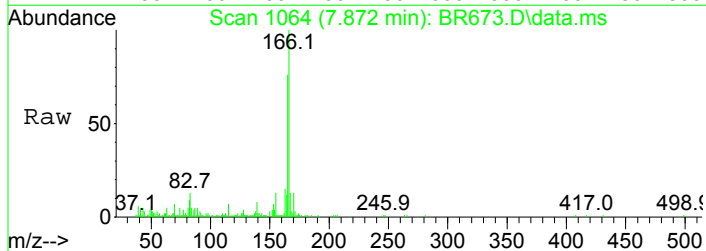
Tgt Ion	Resp	Lower	Upper
168	100		
139	44.7	15.0	55.0





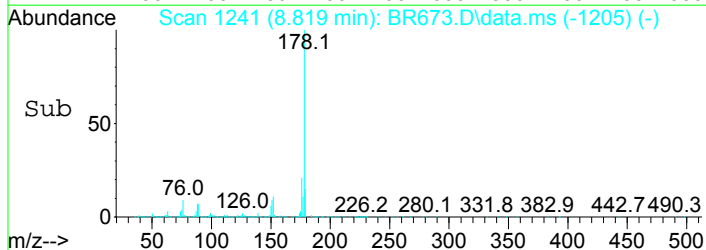
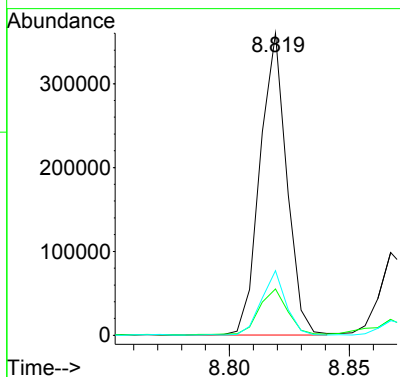
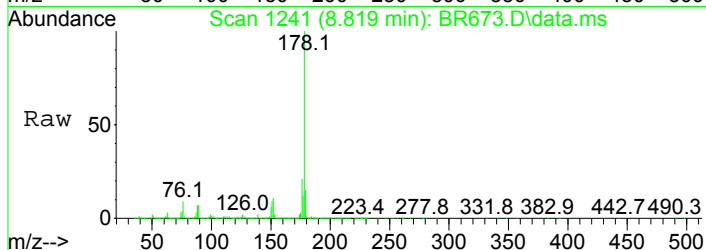
#83
 Fluorene
 Concen: 2.47 ppm
 RT: 7.872 min Scan# 1064
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

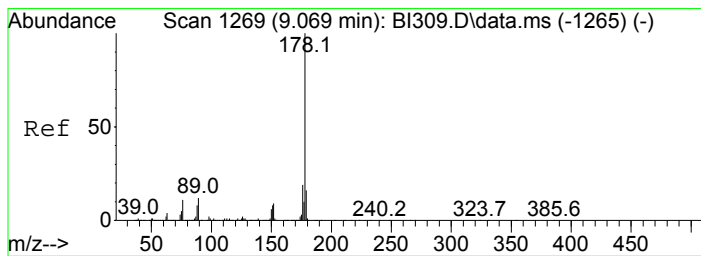
Tgt Ion	Resp	Lower	Upper
166	15882		
165	73.3	65.0	125.0
167	9.2	0.0	44.3



#111
 Phenanthrene
 Concen: 30.16 ppm
 RT: 8.819 min Scan# 1241
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

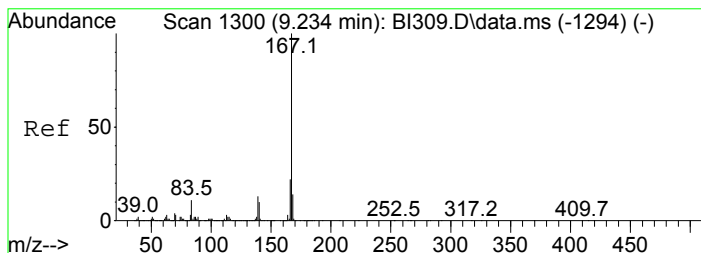
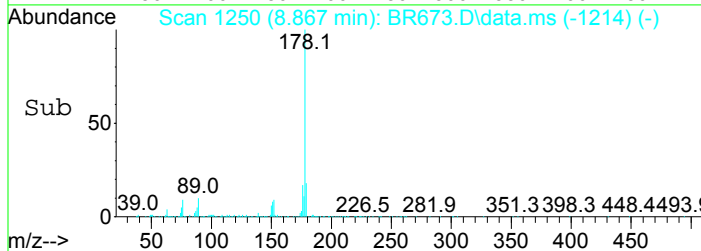
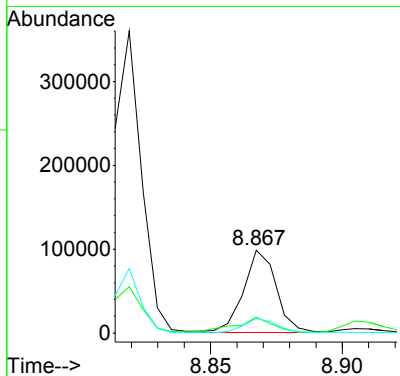
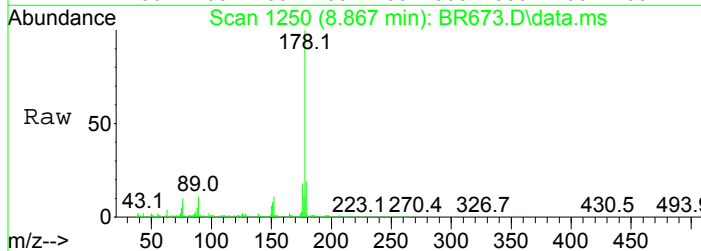
Tgt Ion	Resp	Lower	Upper
178	277460		
179	15.1	0.0	35.2
176	21.3	0.0	39.1





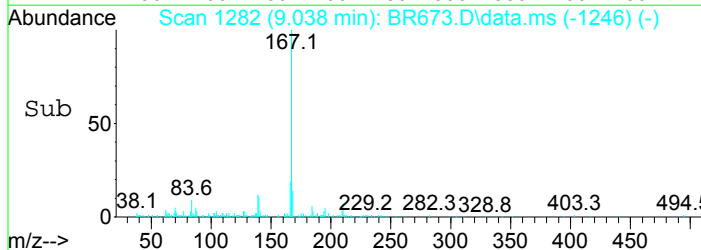
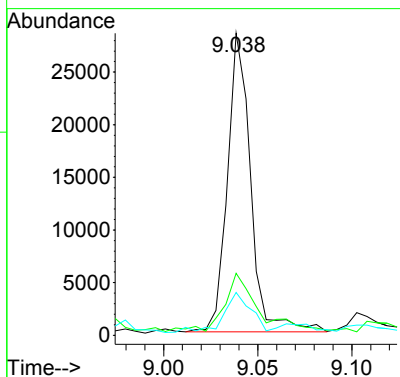
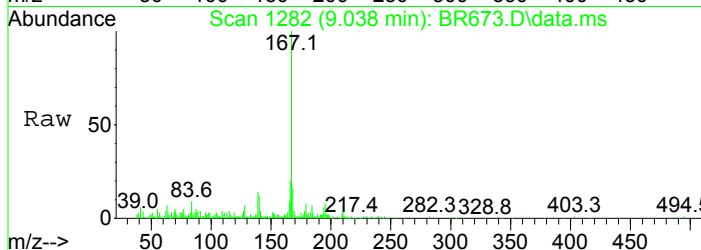
#112
 Anthracene
 Concen: 9.43 ppm
 RT: 8.867 min Scan# 1250
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

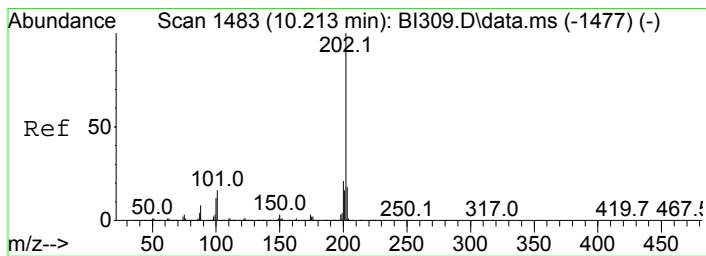
Tgt Ion	Resp	Lower	Upper
178	100		
179	17.8	0.0	35.6
176	17.3	0.0	38.5



#113
 Carbazole
 Concen: 2.85 ppm
 RT: 9.038 min Scan# 1282
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

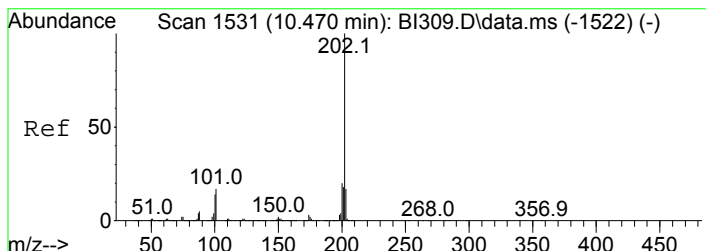
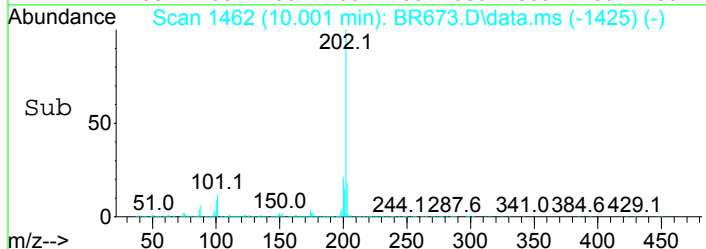
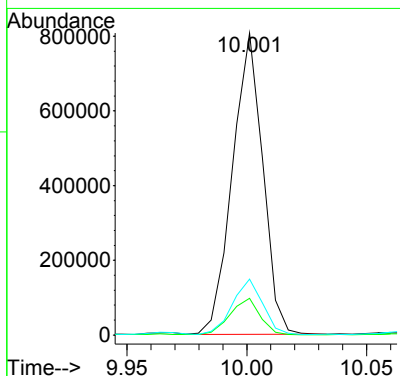
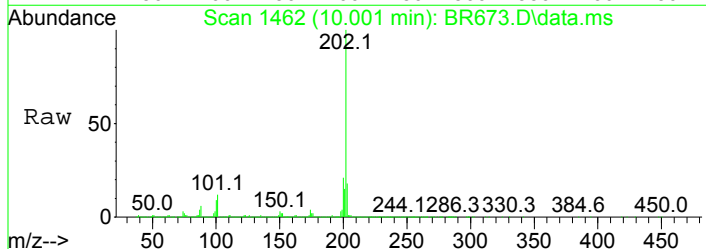
Tgt Ion	Resp	Lower	Upper
167	100		
166	18.9	1.8	41.8
139	12.1	0.0	33.2





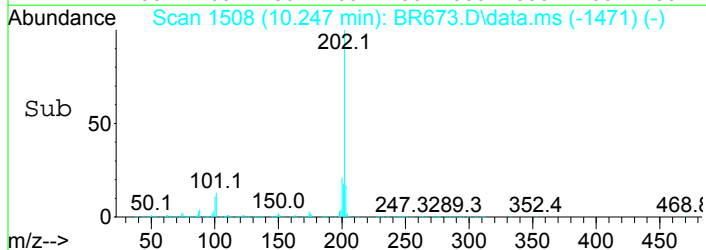
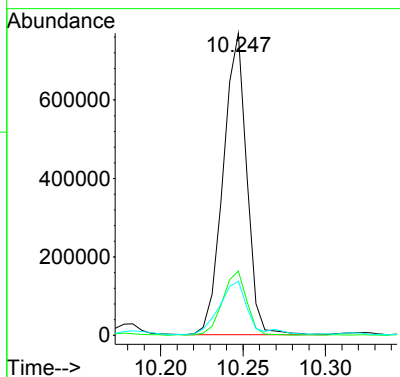
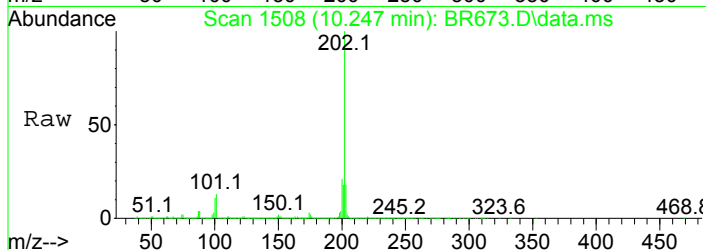
#116
 Fluoranthene
 Concen: 70.20 ppm
 RT: 10.001 min Scan# 1462
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

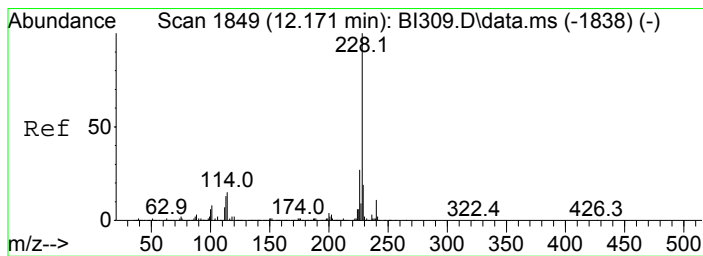
Tgt Ion	Resp	Lower	Upper
202	100		
101	12.0	0.0	32.2
203	18.2	0.0	37.3



#123
 Pyrene
 Concen: 71.89 ppm
 RT: 10.247 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

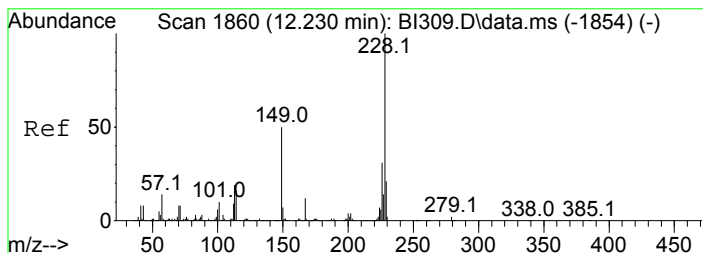
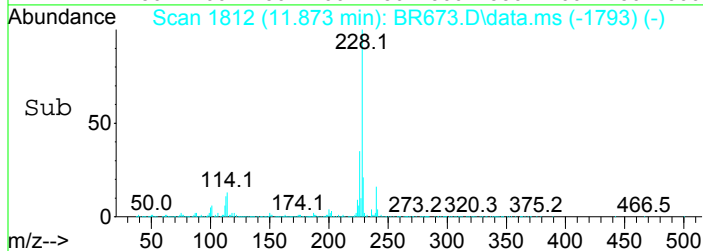
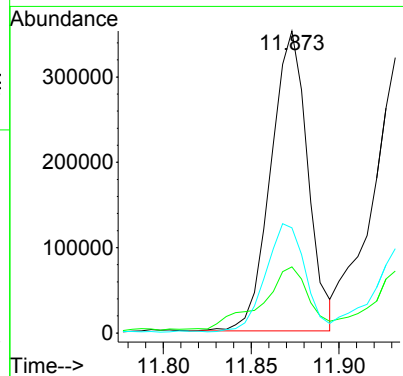
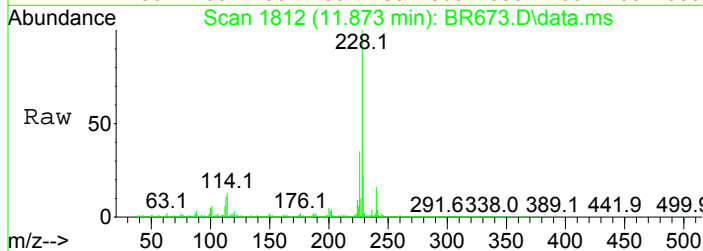
Tgt Ion	Resp	Lower	Upper
202	100		
200	21.3	0.8	40.8
203	17.5	0.0	37.5





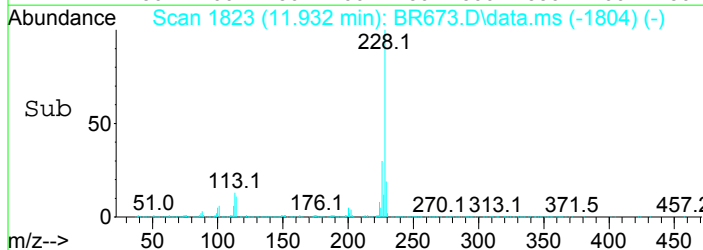
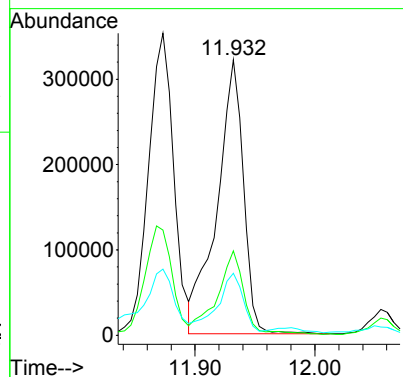
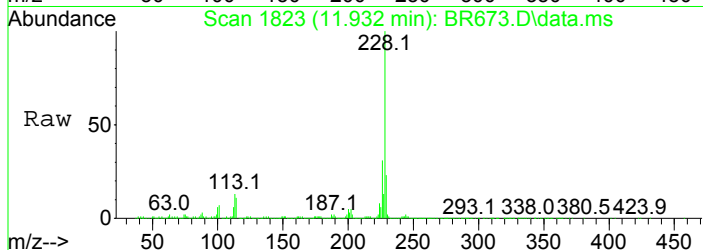
#132
 Benzo(a)anthracene
 Concen: 50.90 ppm
 RT: 11.873 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

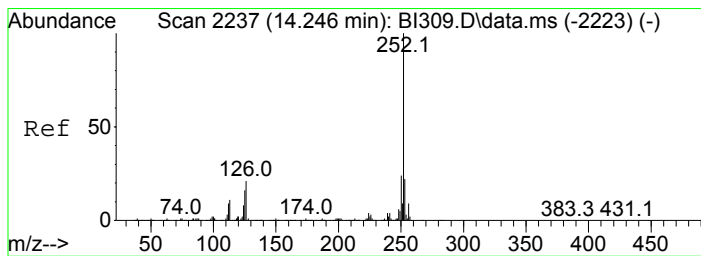
Tgt Ion	Resp	Lower	Upper
228	512675		
229	20.6	0.0	39.4
226	35.0	6.5	46.5



#133
 Chrysene
 Concen: 51.45 ppm
 RT: 11.932 min Scan# 1823
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

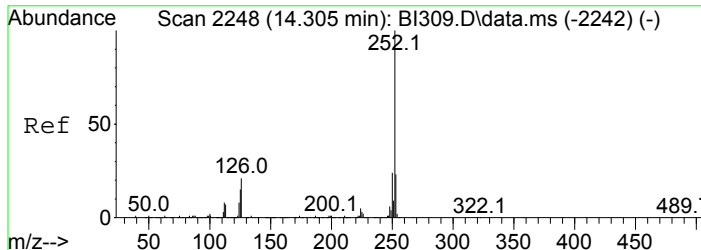
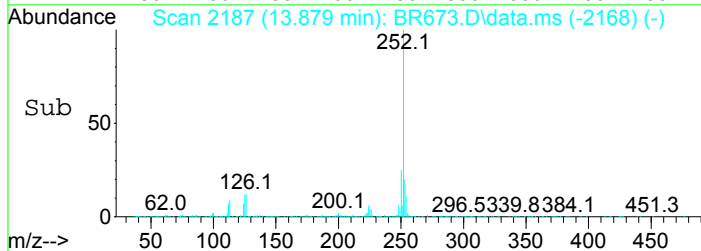
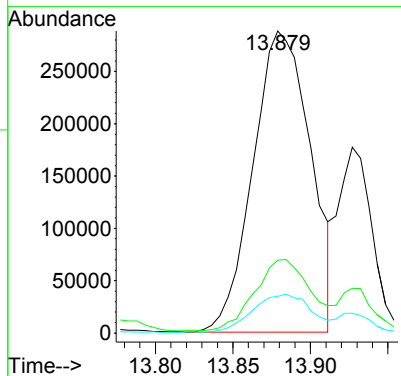
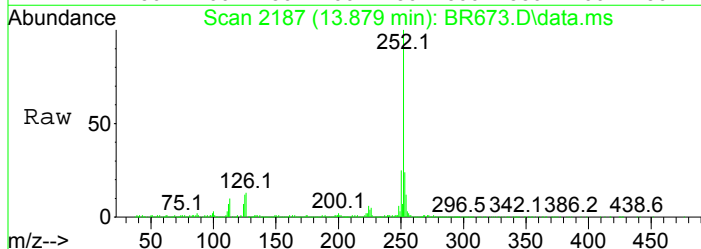
Tgt Ion	Resp	Lower	Upper
228	492238		
226	30.5	9.5	49.5
229	21.2	0.0	40.0





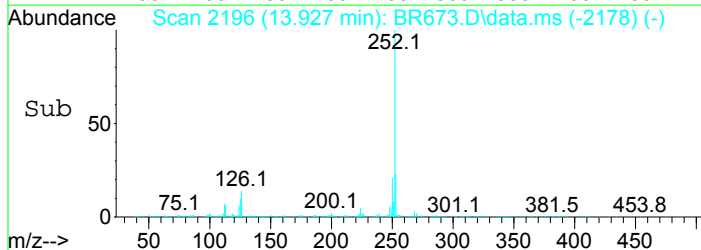
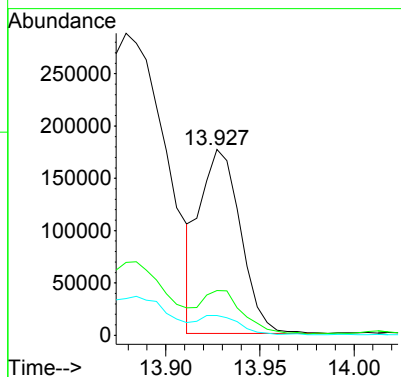
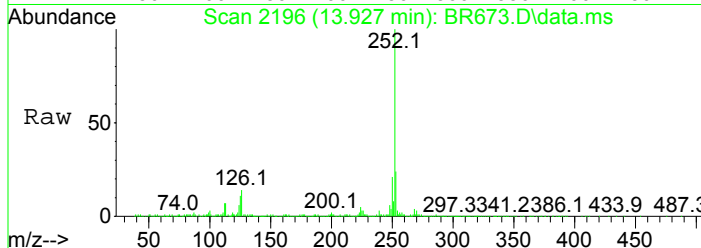
#138
 Benzo(b)Fluoranthene
 Concen: 66.26 ppm
 RT: 13.879 min Scan# 2187
 Delta R.T. 0.000 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

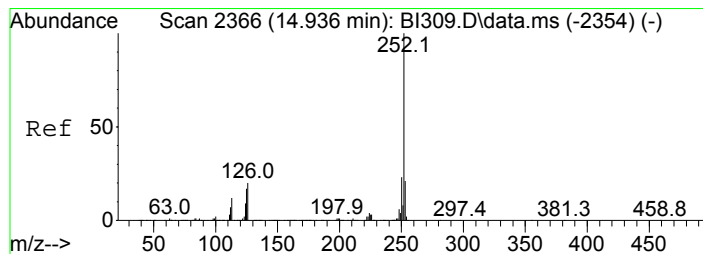
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.5	3.9	43.9
125	12.1	0.0	35.4



#139
 Benzo(k)fluoranthene
 Concen: 25.33 ppm
 RT: 13.927 min Scan# 2196
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

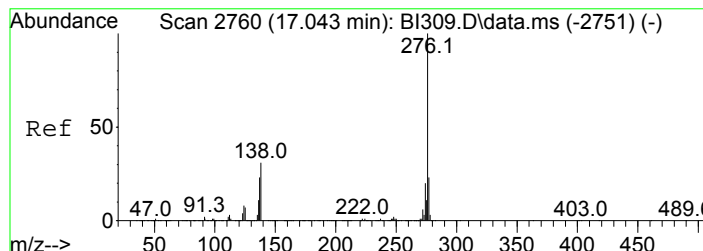
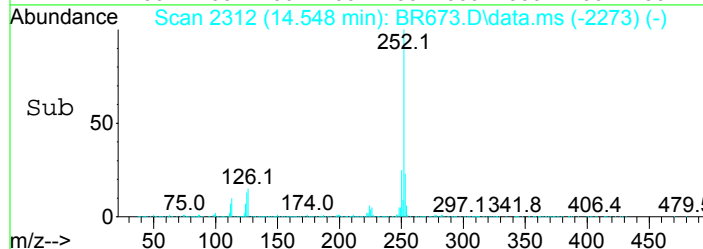
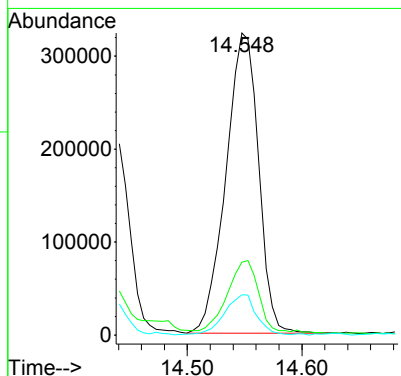
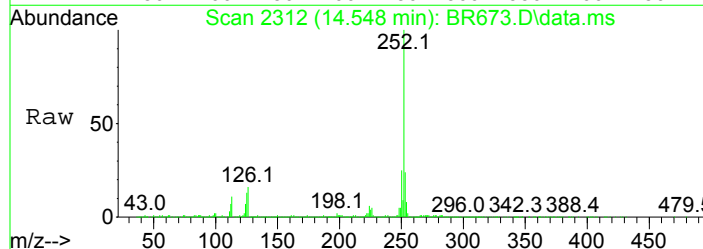
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.3	1.0	41.0
125	10.3	0.0	32.9





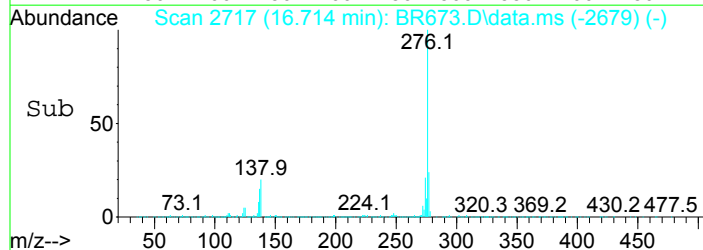
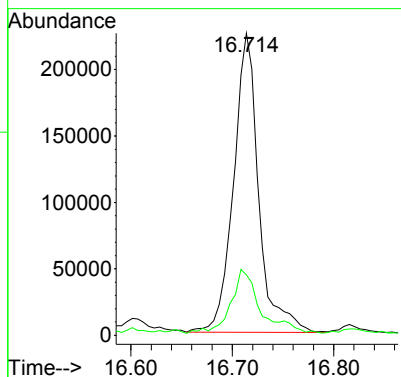
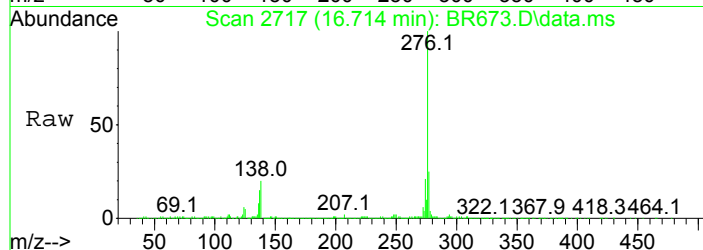
#140
 Benzo(a)pyrene
 Concen: 68.34 ppm
 RT: 14.548 min Scan# 2312
 Delta R.T. 0.011 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

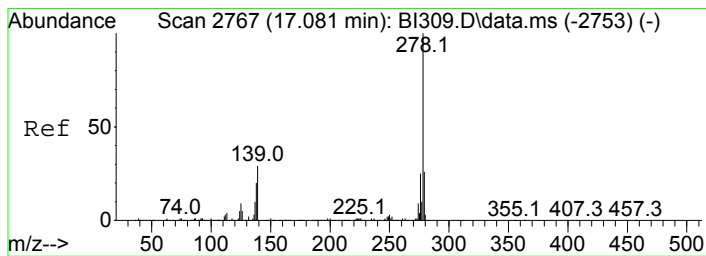
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.3	2.8	42.8
125	13.0	0.0	33.6



#142
 Indeno(1,2,3-cd)Pyrene
 Concen: 40.66 ppm
 RT: 16.714 min Scan# 2717
 Delta R.T. 0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

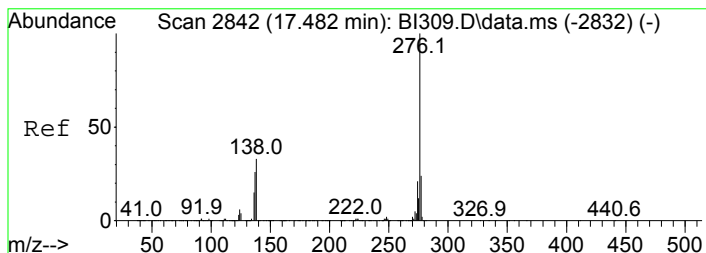
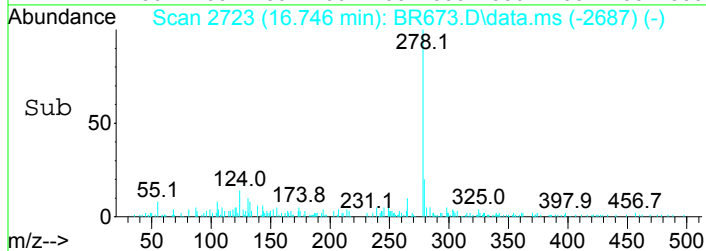
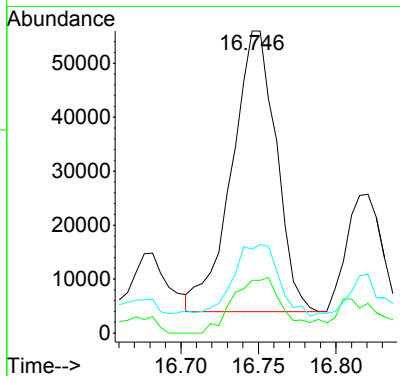
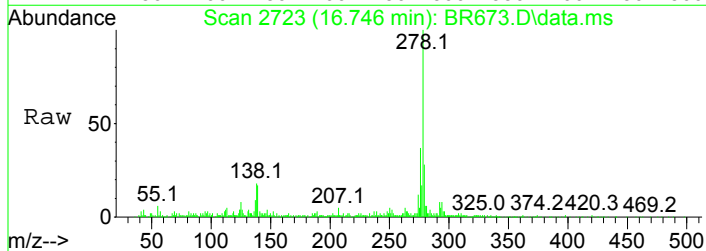
Tgt Ion	Resp	Lower	Upper
276	100		
138	19.4	4.3	44.3





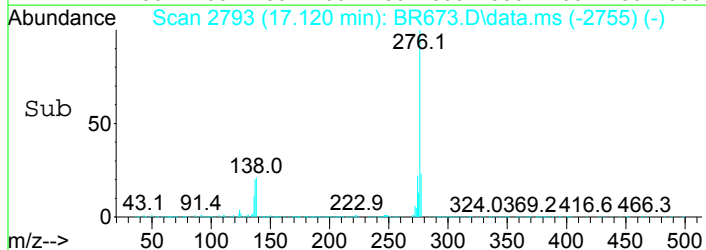
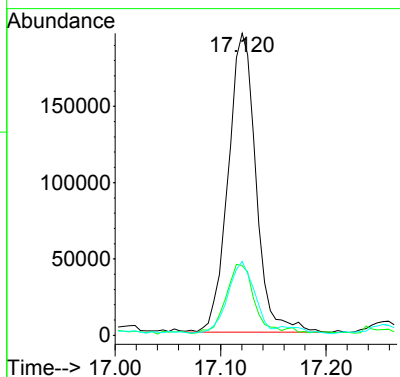
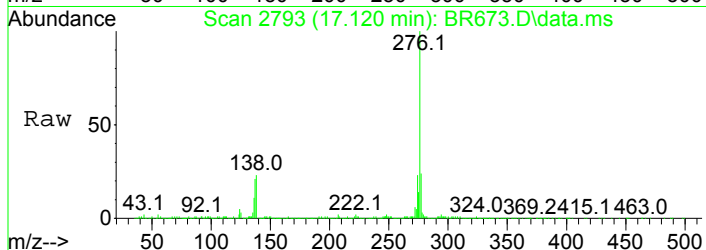
#143
 Dibenz(a,h)anthracene
 Concen: 10.19 ppm
 RT: 16.746 min Scan# 2723
 Delta R.T. -0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

Tgt Ion	Resp	Lower	Upper
278	103719		
139	17.4	0.3	40.3
279	22.9	4.3	44.3



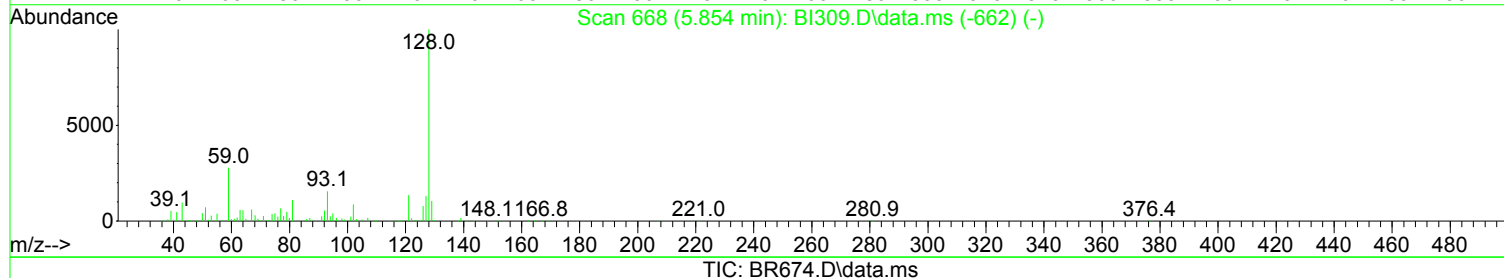
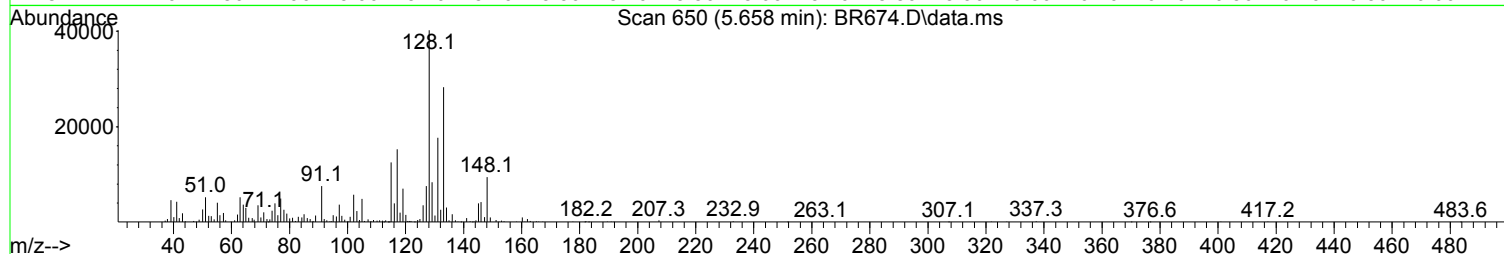
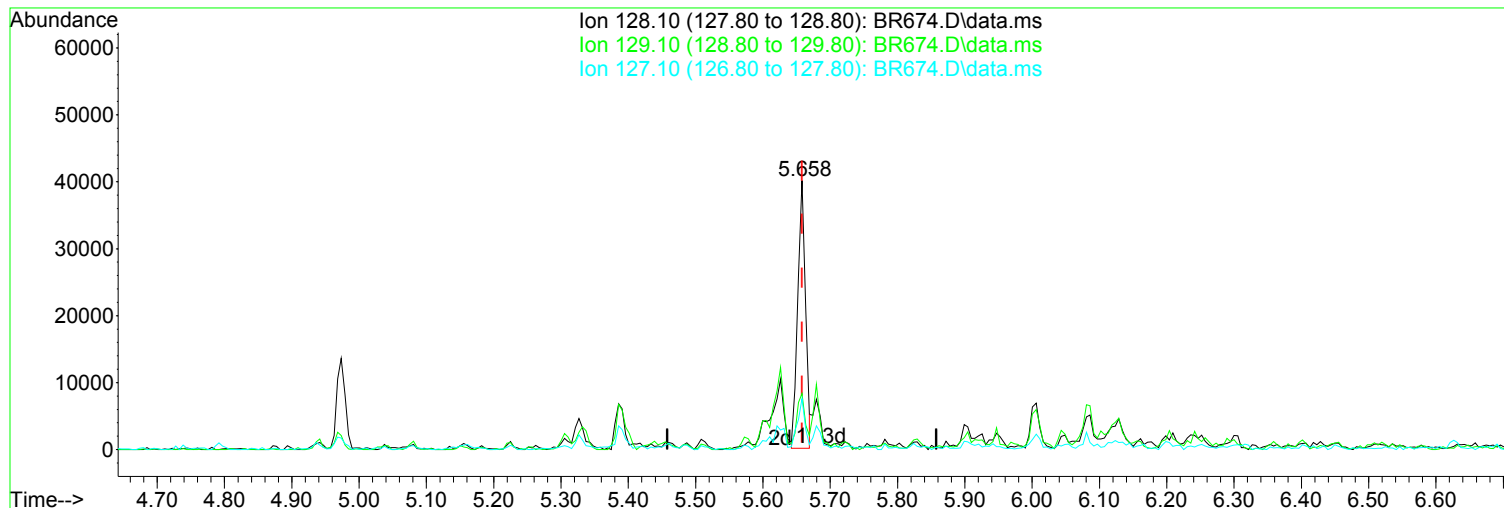
#144
 Benzo(g,h,i)perylene
 Concen: 42.67 ppm
 RT: 17.120 min Scan# 2793
 Delta R.T. 0.005 min
 Lab File: BR673.D
 Acq: 7 May 2019 5:49 pm

Tgt Ion	Resp	Lower	Upper
276	358434		
138	22.2	7.9	47.9
277	23.9	4.3	44.3



Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR674.D
Acq On : 7 May 2019 6:18 pm
Operator : JMisiurewicz
Sample : R1903954-004
Misc : 335967 8270D SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 08 11:01:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(45) Naphthalene (TM)

Manual Integration:

5.658min (+ 0.000) 4.00 ppm m

After

response 32165

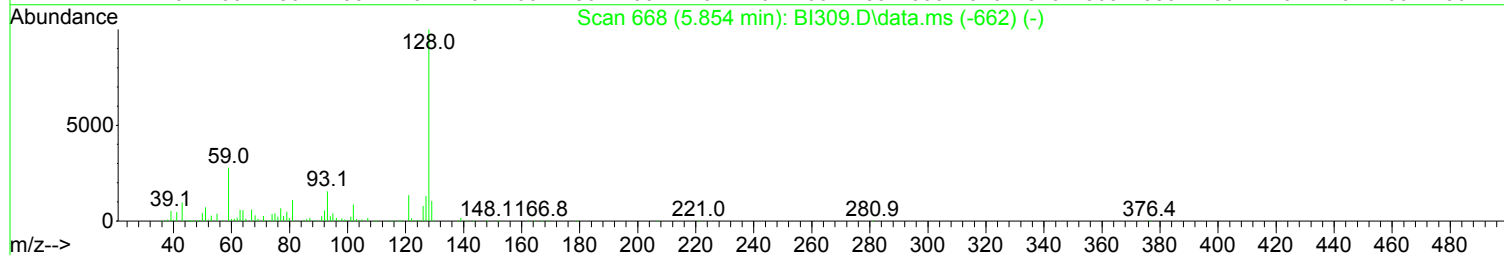
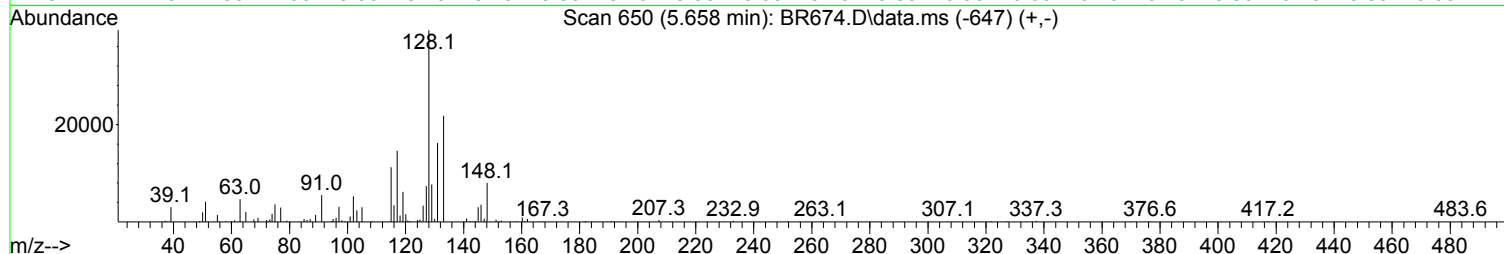
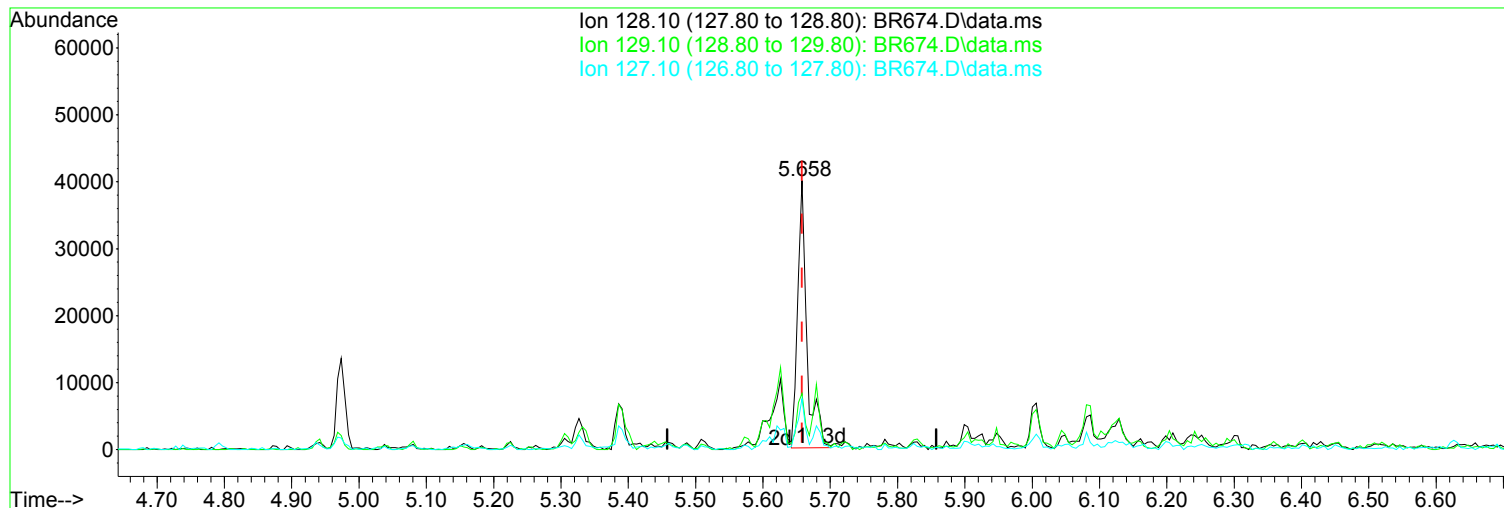
Poor integration.

Ion	Exp%	Act%
128.10	100.00	100.00
129.10	11.30	20.83
127.10	12.60	18.92
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR674.D
Acq On : 7 May 2019 6:18 pm
Operator : JMisiurewicz
Sample : R1903954-004
Misc : 335967 8270D SOIL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 08 11:01:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



TIC: BR674.D\data.ms

(45) Naphthalene (TM)

Manual Integration:

5.658min (+ 0.000) 4.72 ppm

Before

response 37925

Ion	Exp%	Act%
128.10	100.00	100.00
129.10	11.30	19.58
127.10	12.60	18.45
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR674.D
Acq On : 7 May 2019 6:18 pm
Operator : JMisiurewicz
Sample : R1903954-004
Misc : 335967 8270D SOIL
ALS Vial : 14 Sample Multiplier: 1

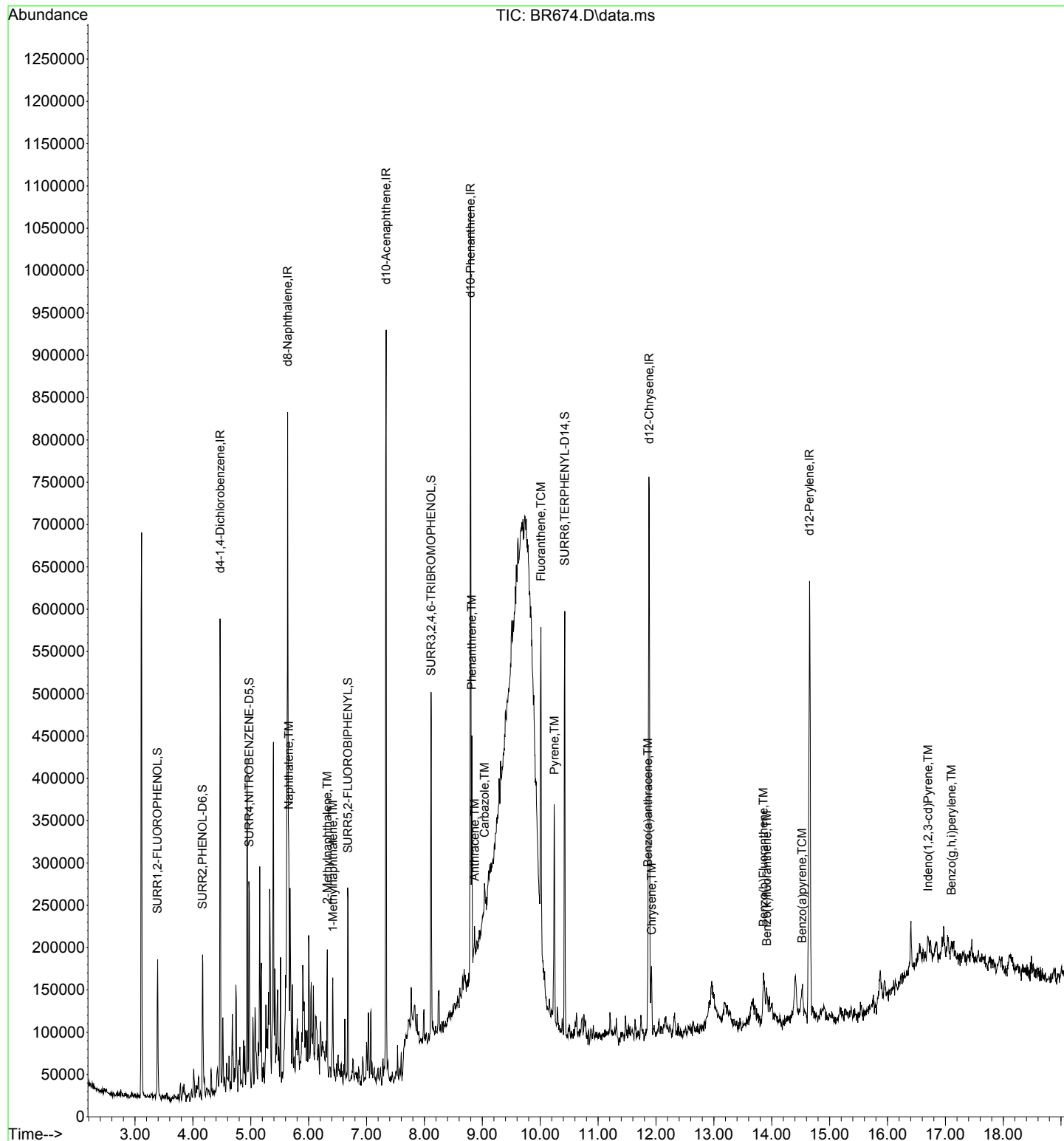
Quant Time: May 08 11:01:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

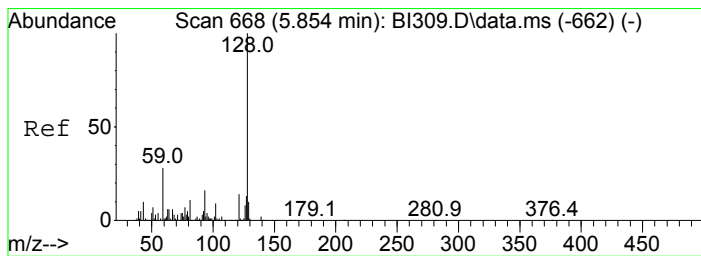
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	73347	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	270844	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	161388	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	297135	40.00	ppm	0.00
117) d12-Chrysene	11.884	240	300082	40.00	ppm	0.00
135) d12-Perylene	14.655	264	326979	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.390	112	44029	17.06	ppm	0.00
Spiked Amount 200.000	Range 10	- 88	Recovery =	8.53%#		
12) SURR2,PHENOL-D6	4.166	99	57510	17.96	ppm	0.00
Spiked Amount 200.000	Range 10	- 145	Recovery =	8.98%#		
34) SURR4,NITROBENZENE-D5	4.974	82	26811	9.61	ppm	0.00
Spiked Amount 100.000	Range 10	- 95	Recovery =	9.61%#		
63) SURR5,2-FLUOROBIPHENYL	6.680	172	64210	10.15	ppm	0.00
Spiked Amount 100.000	Range 10	- 102	Recovery =	10.15%		
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	47877	40.94	ppm	0.00
Spiked Amount 200.000	Range 10	- 109	Recovery =	20.47%		
124) SURR6,TERPHENYL-D14	10.424	244	145058	19.30	ppm	0.00
Spiked Amount 100.000	Range 10	- 106	Recovery =	19.30%		
Target Compounds						
45) Naphthalene	5.658	128	32165m	4.001	ppm	Qvalue
55) 2-Methylnaphthalene	6.321	142	35785	6.520	ppm	93
56) 1-Methylnaphthalene	6.418	142	26742	5.170	ppm	95
111) Phenanthrene	8.819	178	82166	8.531	ppm	98
112) Anthracene	8.867	178	11517	1.218	ppm	92
113) Carbazole	9.039	167	10810	1.206	ppm	98
116) Fluoranthene	10.012	202	145133	13.728	ppm	99
123) Pyrene	10.247	202	113168	10.742	ppm	99
132) Benzo(a)anthracene	11.863	228	33860	3.391	ppm	96
133) Chrysene	11.927	228	40788	4.300	ppm	95
138) Benzo(b)Fluoranthene	13.858	252	41640	3.677	ppm	89
139) Benzo(k)fluoranthene	13.916	252	12685	1.200	ppm	79
140) Benzo(a)pyrene	14.526	252	24139	2.558	ppm	83
142) Indeno(1,2,3-cd)Pyrene	16.703	276	13950	1.445	ppm	70
144) Benzo(g,h,i)perylene	17.104	276	15081	1.776	ppm	91

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR674.D
Acq On : 7 May 2019 6:18 pm
Operator : JMisiurewicz
Sample : R1903954-004
Misc : 335967 8270D SOIL
ALS Vial : 14 Sample Multiplier: 1

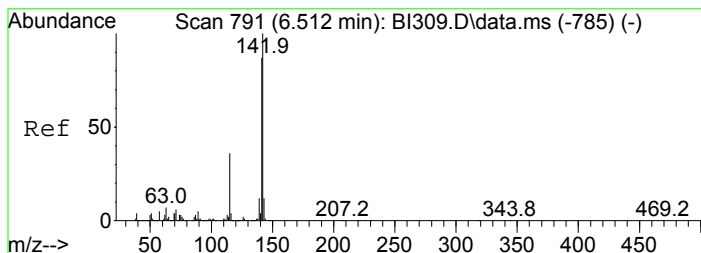
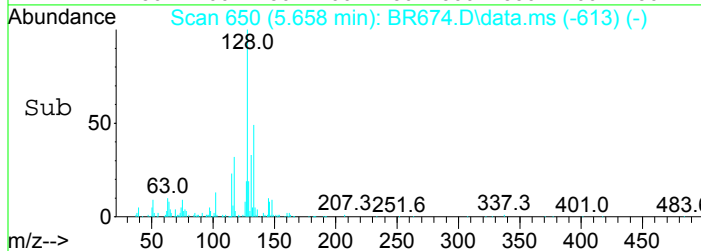
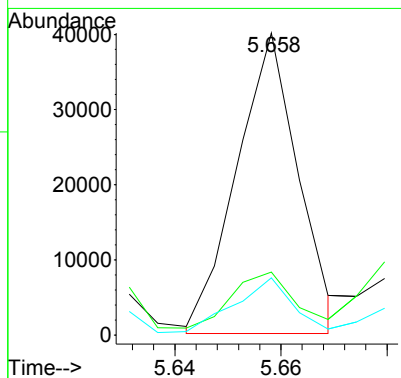
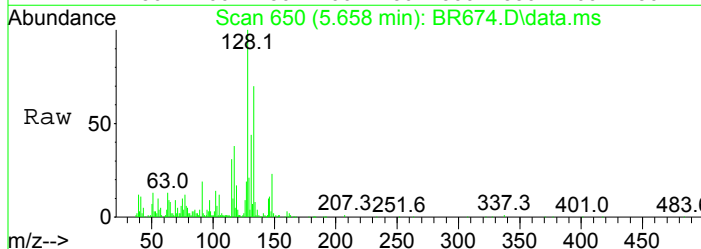
Quant Time: May 08 11:01:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration





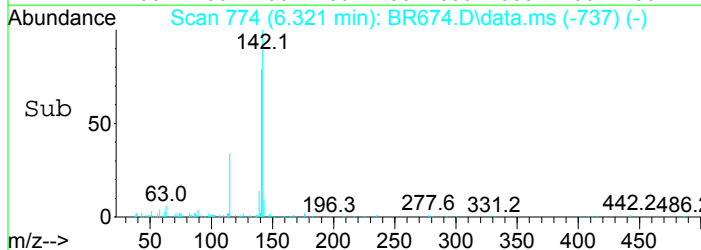
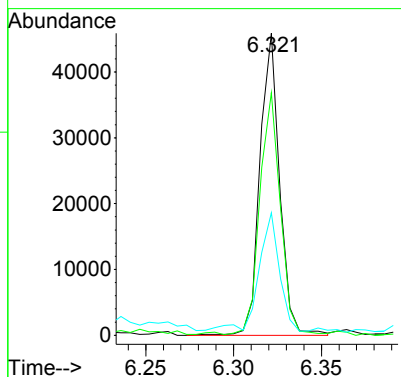
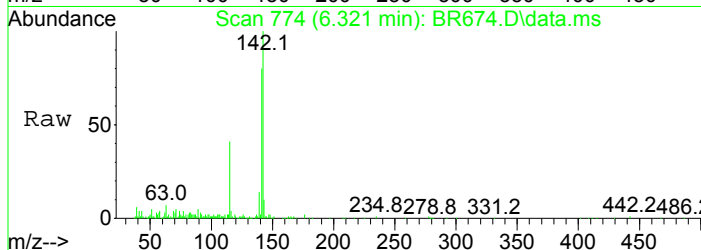
#45
 Naphthalene
 Concen: 4.00 ppm m
 RT: 5.658 min Scan# 650
 Delta R.T. 0.000 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

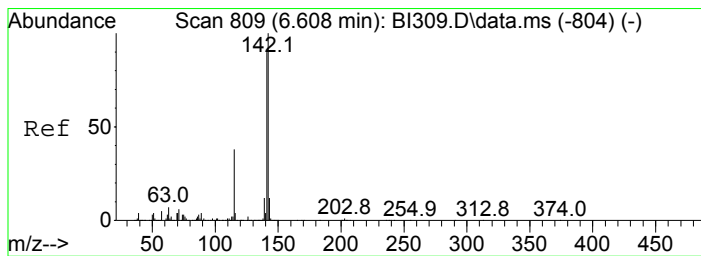
Tgt Ion	Resp	Lower	Upper
128	32165		
129	20.8	0.0	31.3
127	18.9	0.0	32.6



#55
 2-Methylnaphthalene
 Concen: 6.52 ppm
 RT: 6.321 min Scan# 774
 Delta R.T. 0.000 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

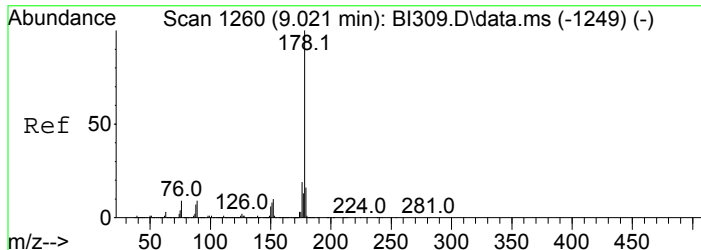
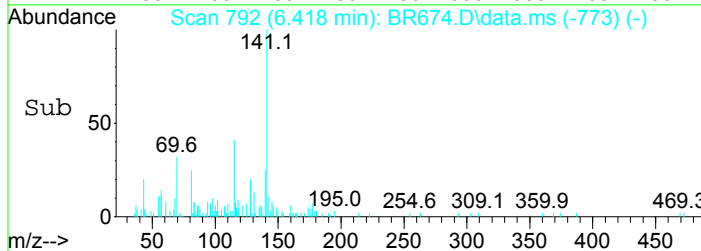
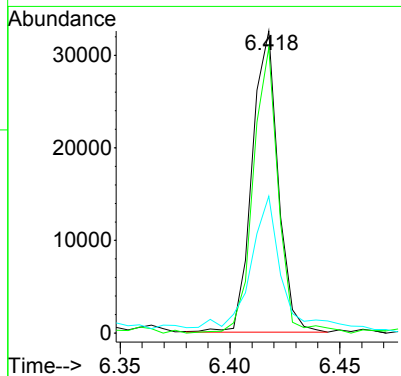
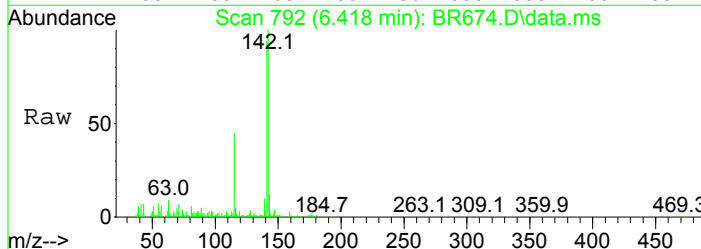
Tgt Ion	Resp	Lower	Upper
142	35785		
141	80.1	67.8	107.8
115	38.1	16.4	56.4





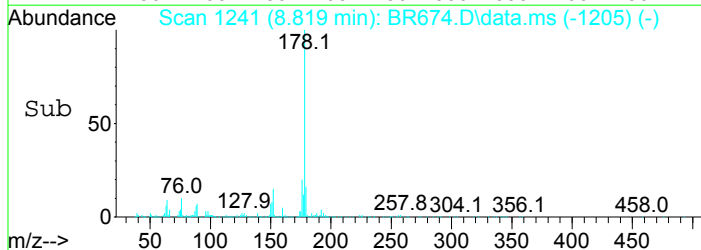
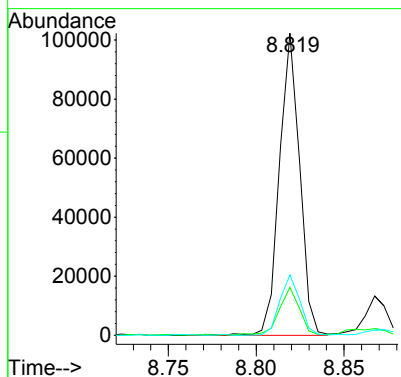
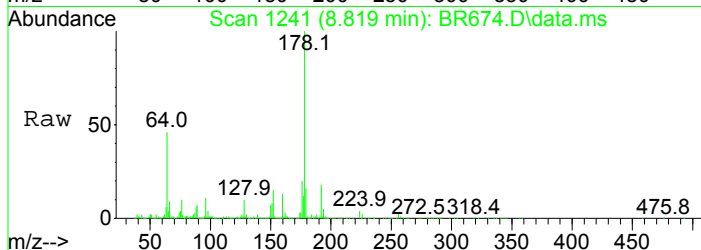
#56
 1-Methylnaphthalene
 Concen: 5.17 ppm
 RT: 6.418 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

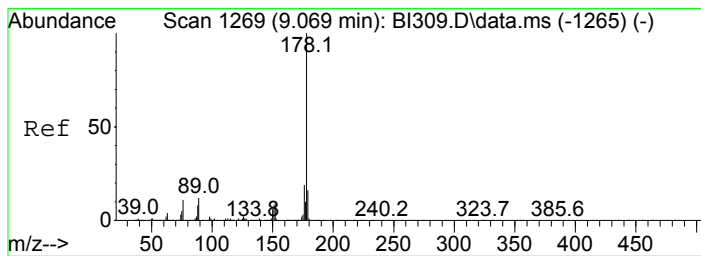
Tgt Ion	Resp	Lower	Upper
142	26742		
141	94.0	59.8	119.8
115	42.4	7.8	67.8



#111
 Phenanthrene
 Concen: 8.53 ppm
 RT: 8.819 min Scan# 1241
 Delta R.T. -0.005 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

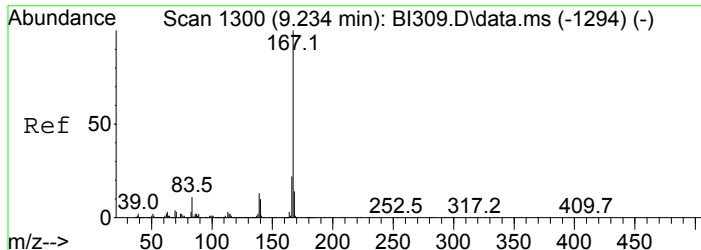
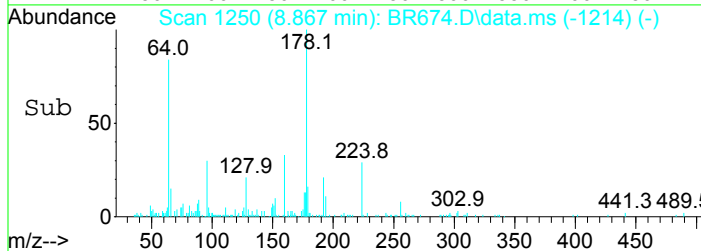
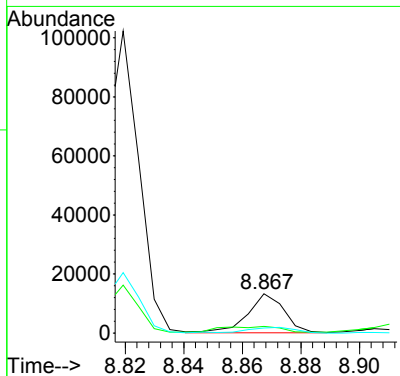
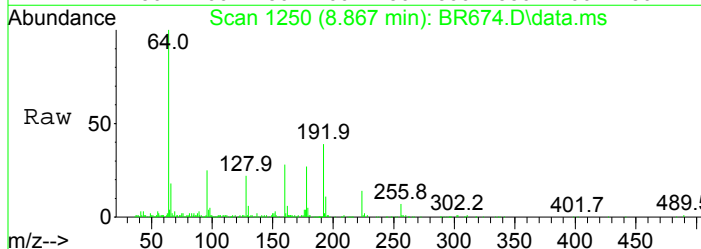
Tgt Ion	Resp	Lower	Upper
178	82166		
179	15.7	0.0	35.2
176	19.9	0.0	39.1





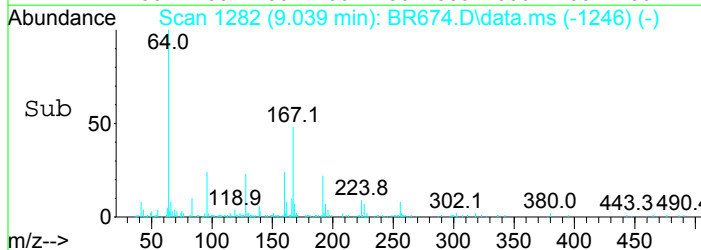
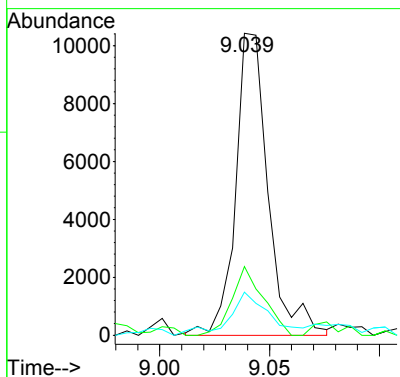
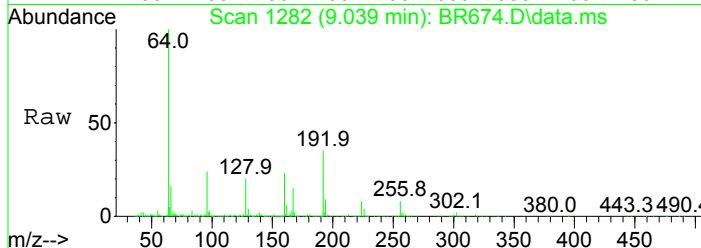
#112
 Anthracene
 Concen: 1.22 ppm
 RT: 8.867 min Scan# 1250
 Delta R.T. -0.005 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

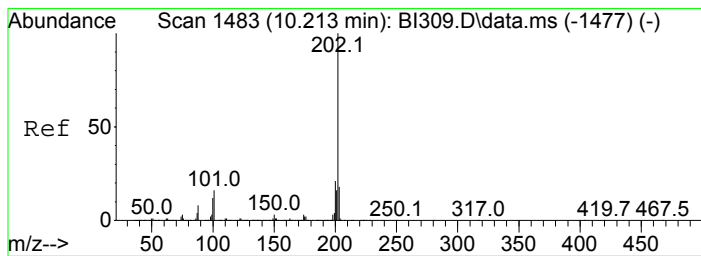
Tgt Ion	Resp	Lower	Upper
178	11517		
179	15.1	0.0	35.6
176	12.6	0.0	38.5



#113
 Carbazole
 Concen: 1.21 ppm
 RT: 9.039 min Scan# 1282
 Delta R.T. -0.005 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

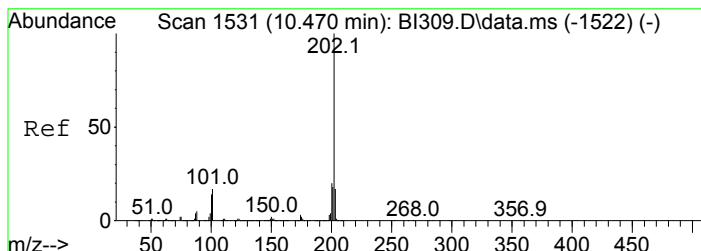
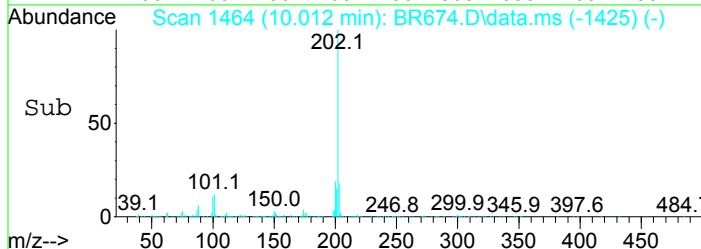
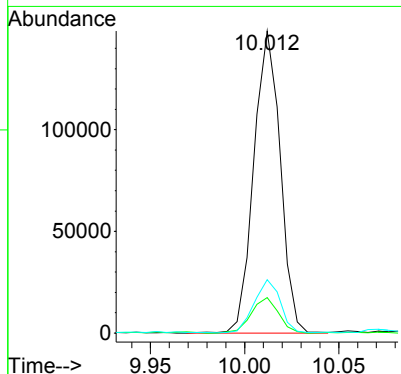
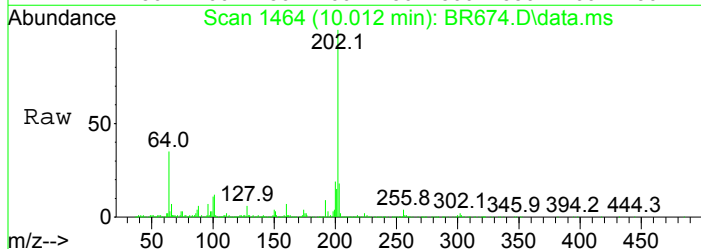
Tgt Ion	Resp	Lower	Upper
167	10810		
166	20.9	1.8	41.8
139	12.0	0.0	33.2





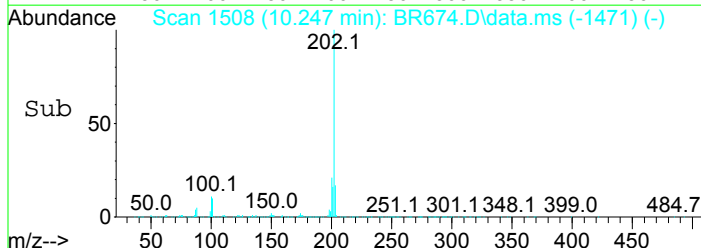
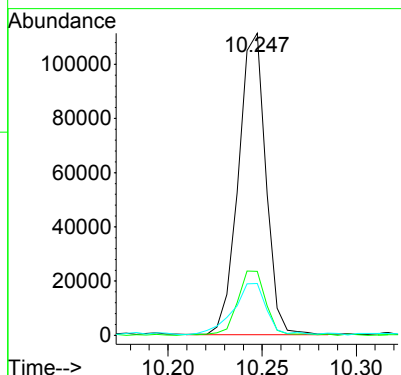
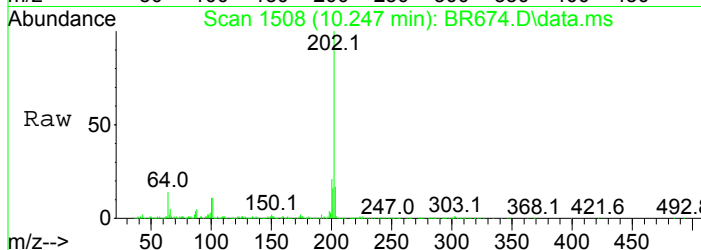
#116
 Fluoranthene
 Concen: 13.73 ppm
 RT: 10.012 min Scan# 1464
 Delta R.T. 0.011 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

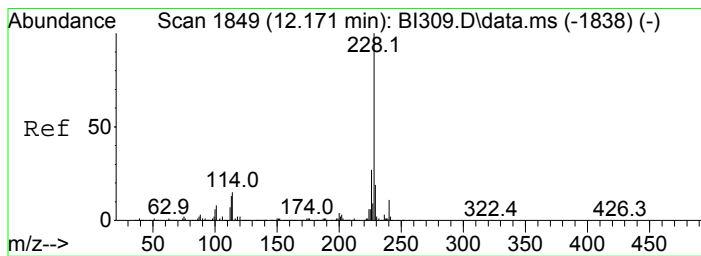
Tgt Ion	Resp	Lower	Upper
202	145133		
101	11.5	0.0	32.2
203	17.5	0.0	37.3



#123
 Pyrene
 Concen: 10.74 ppm
 RT: 10.247 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

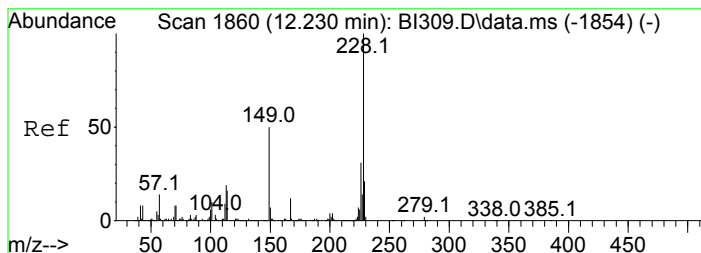
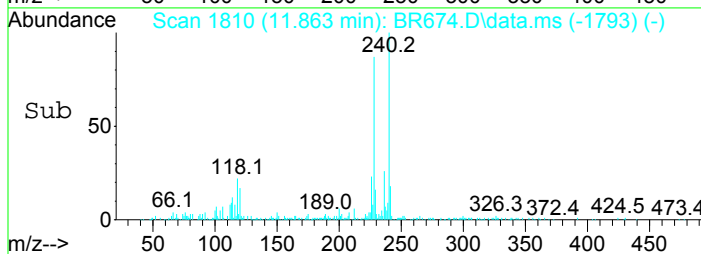
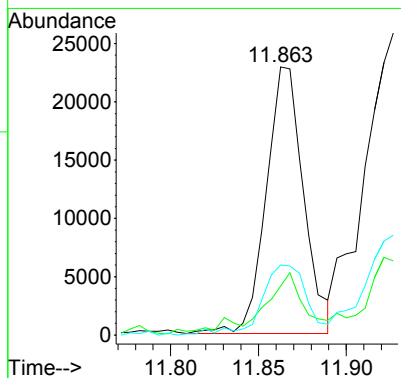
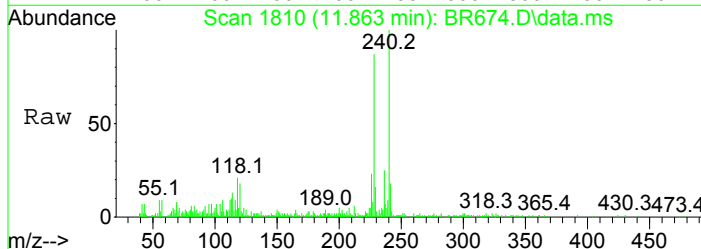
Tgt Ion	Resp	Lower	Upper
202	113168		
200	20.9	0.8	40.8
203	16.8	0.0	37.5





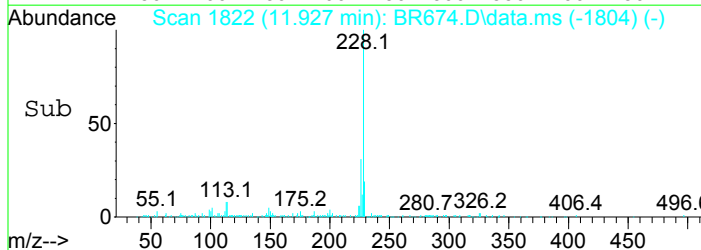
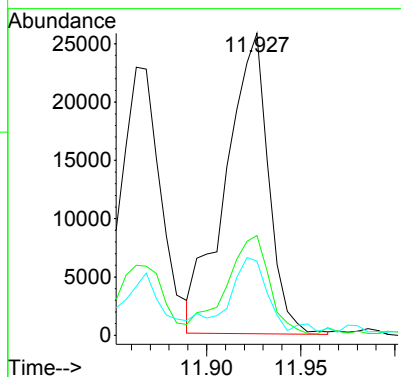
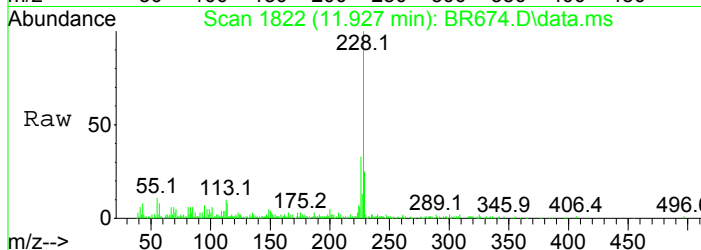
#132
 Benzo(a)anthracene
 Concen: 3.39 ppm
 RT: 11.863 min Scan# 1810
 Delta R.T. -0.011 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

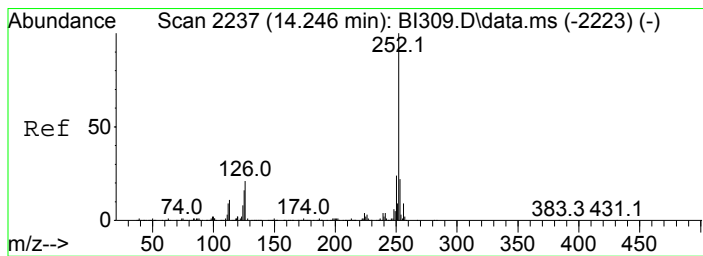
Tgt Ion	Resp	Lower	Upper
228	100		
229	15.9	0.0	39.4
226	25.6	6.5	46.5



#133
 Chrysene
 Concen: 4.30 ppm
 RT: 11.927 min Scan# 1822
 Delta R.T. -0.005 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

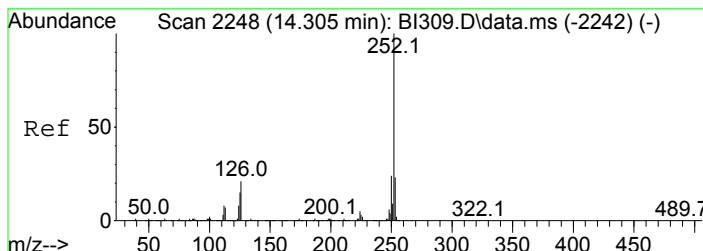
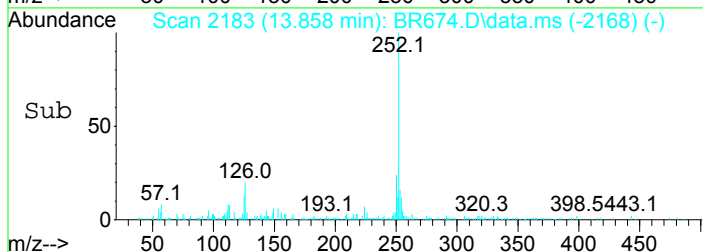
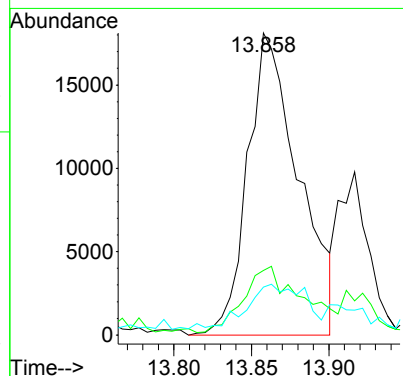
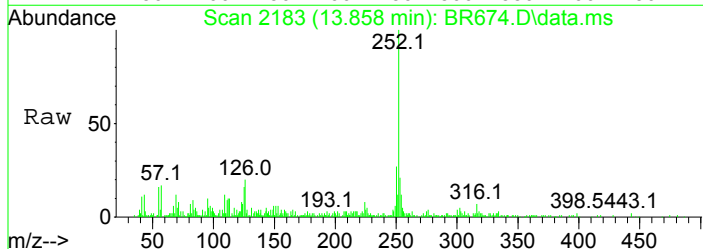
Tgt Ion	Resp	Lower	Upper
228	100		
226	32.0	9.5	49.5
229	22.3	0.0	40.0





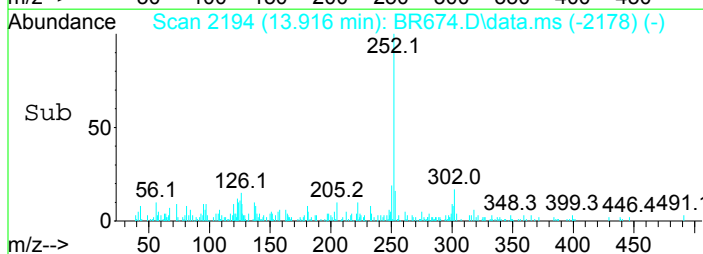
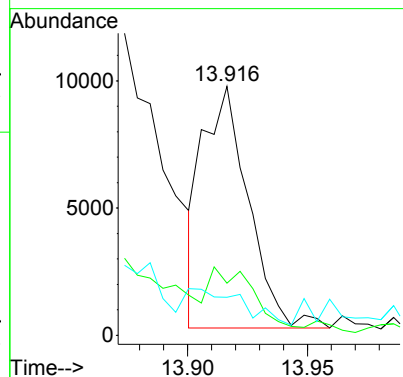
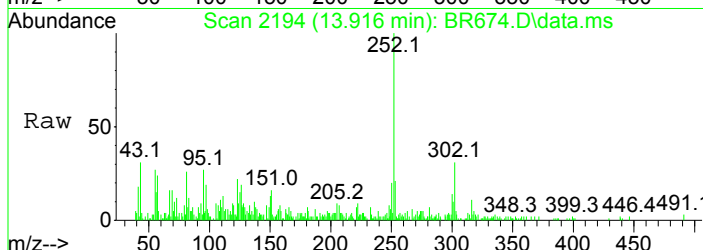
#138
 Benzo(b)Fluoranthene
 Concen: 3.68 ppm
 RT: 13.858 min Scan# 2183
 Delta R.T. -0.021 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

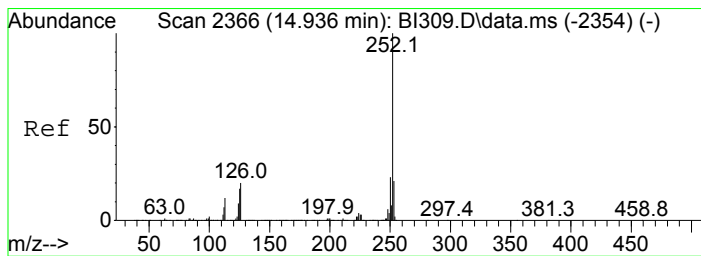
Tgt Ion	Resp	Lower	Upper
252	100		
253	18.5	3.9	43.9
125	11.3	0.0	35.4



#139
 Benzo(k)fluoranthene
 Concen: 1.20 ppm
 RT: 13.916 min Scan# 2194
 Delta R.T. -0.016 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

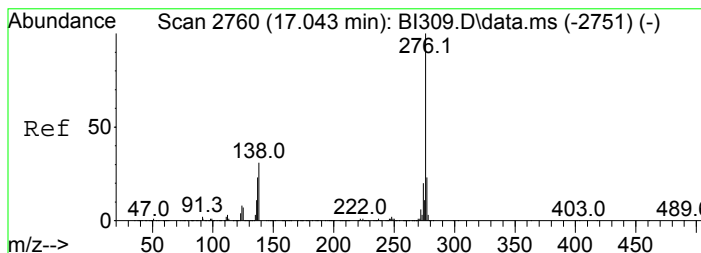
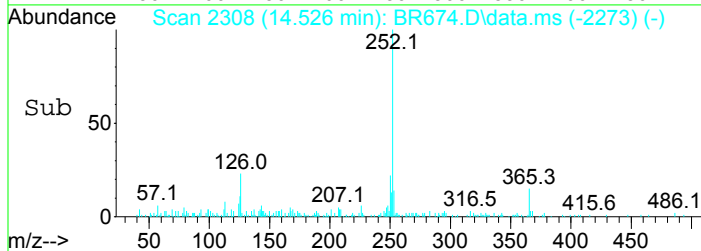
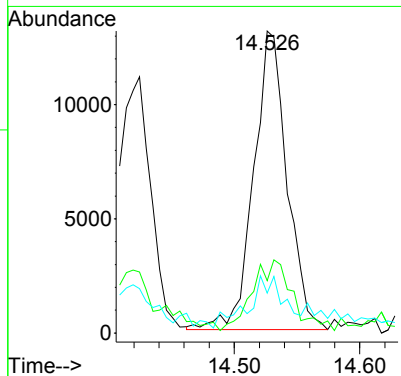
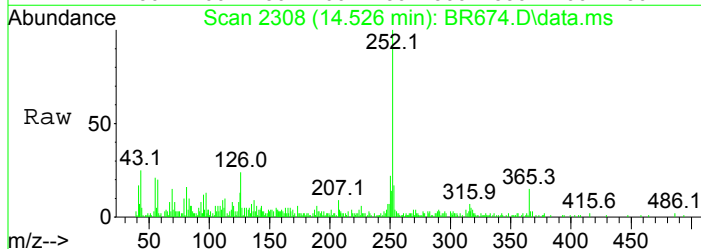
Tgt Ion	Resp	Lower	Upper
252	100		
253	14.5	1.0	41.0
125	0.0	0.0	32.9





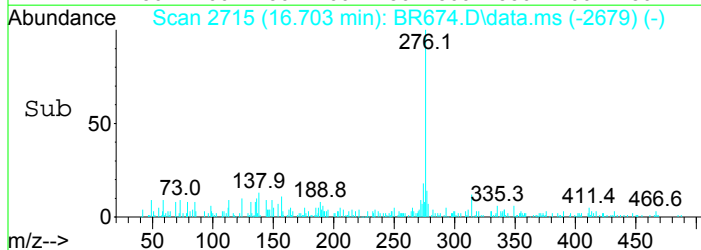
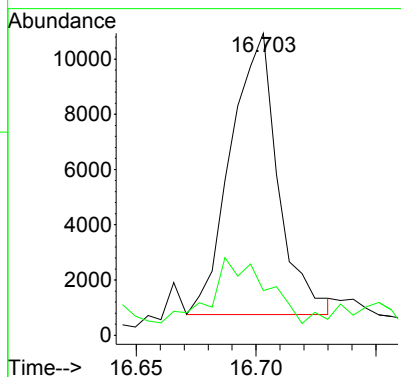
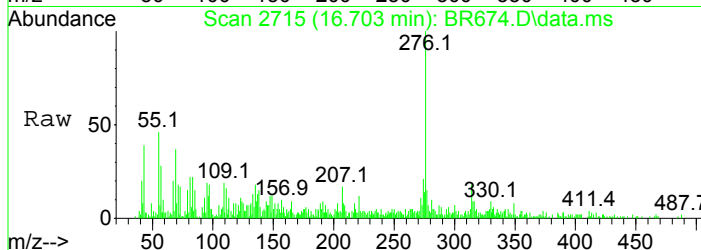
#140
 Benzo(a)pyrene
 Concen: 2.56 ppm
 RT: 14.526 min Scan# 2308
 Delta R.T. -0.011 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

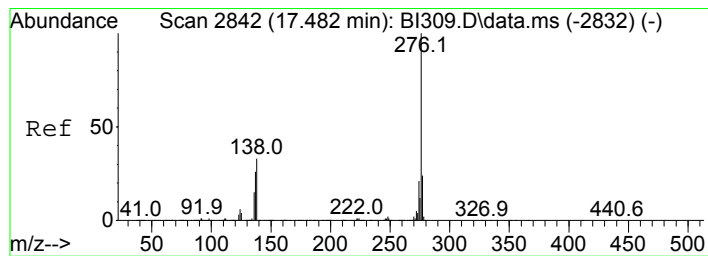
Tgt Ion	Resp	Lower	Upper
252	100		
253	13.7	2.8	42.8
125	7.6	0.0	33.6



#142
 Indeno(1,2,3-cd)Pyrene
 Concen: 1.44 ppm
 RT: 16.703 min Scan# 2715
 Delta R.T. -0.005 min
 Lab File: BR674.D
 Acq: 7 May 2019 6:18 pm

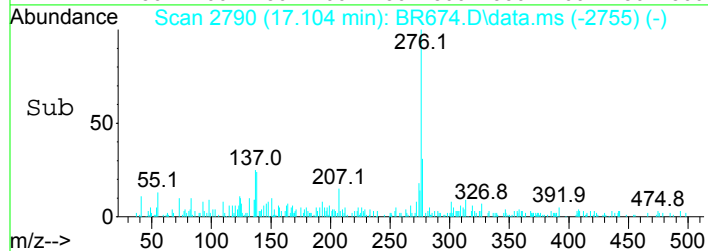
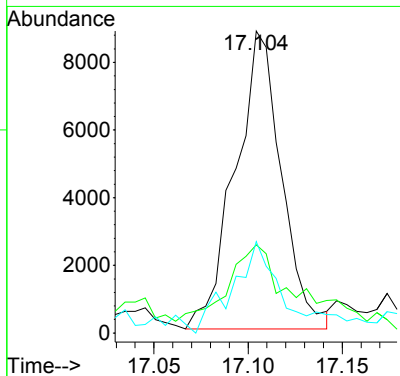
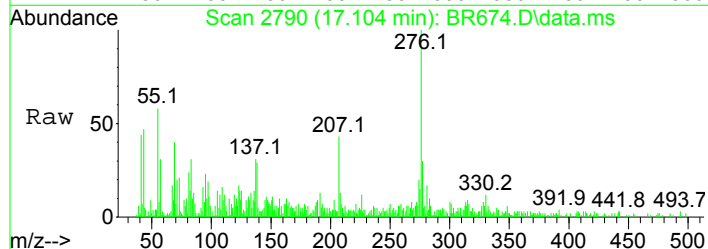
Tgt Ion	Resp	Lower	Upper
276	100		
138	9.3	4.3	44.3





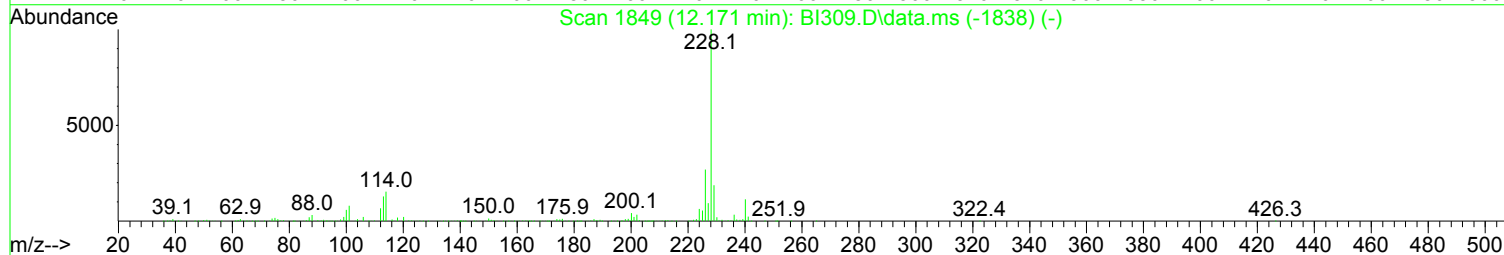
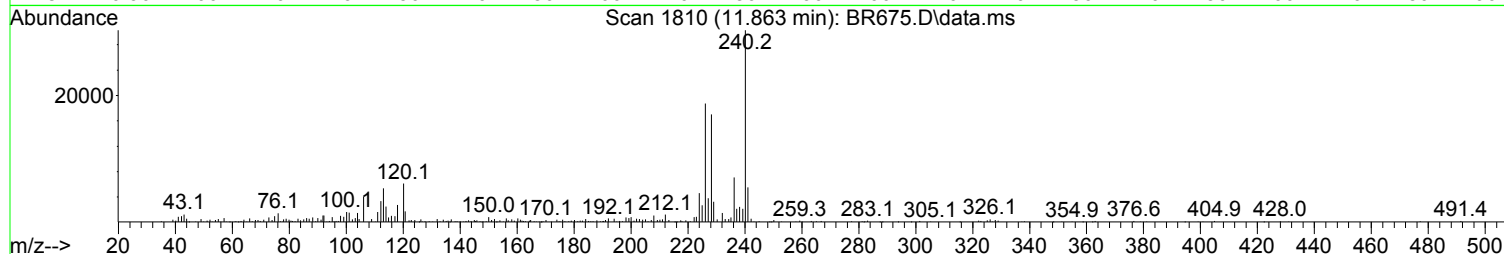
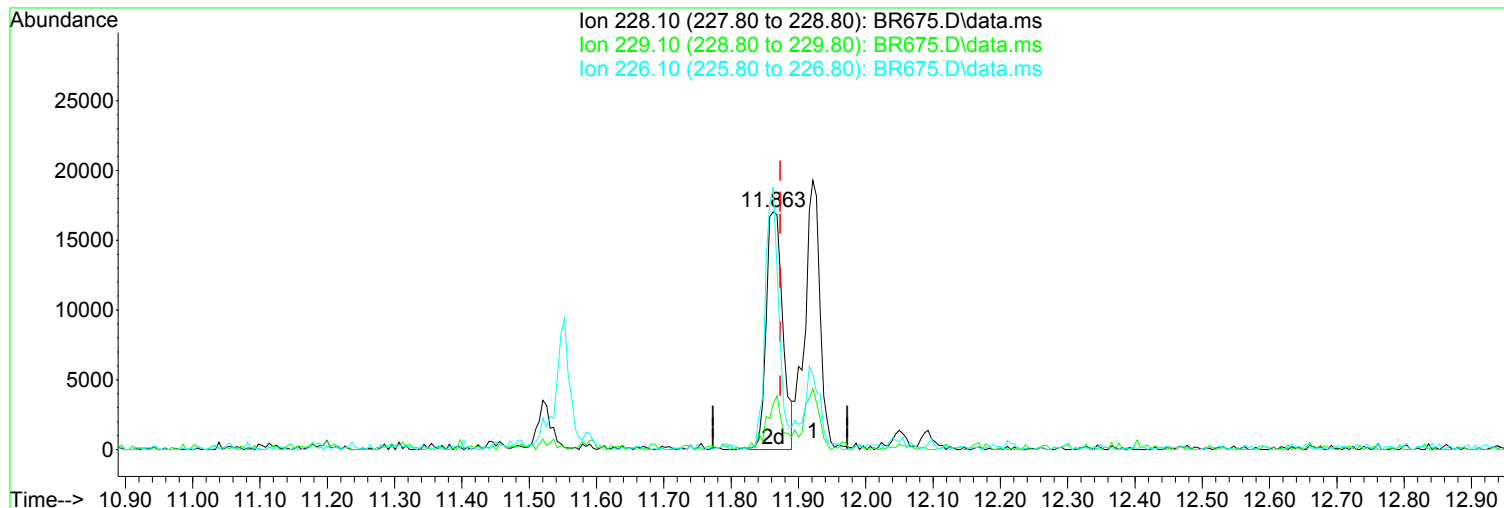
#144
Benzo(g,h,i)perylene
Concen: 1.78 ppm
RT: 17.104 min Scan# 2790
Delta R.T. -0.011 min
Lab File: BR674.D
Acq: 7 May 2019 6:18 pm

Tgt Ion	276	138	277
Ion Ratio	100	21.5	26.9
Resp	15081	7.9	4.3
Lower		7.9	4.3
Upper		47.9	44.3



Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR675.D
Acq On : 7 May 2019 6:47 pm
Operator : JMisiurewicz
Sample : R1903954-006
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 08 11:01:19 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(132) Benzo(a)anthracene (TM)

Manual Integration:

11.863min (-0.011) 2.86 ppm m

After

response 29150

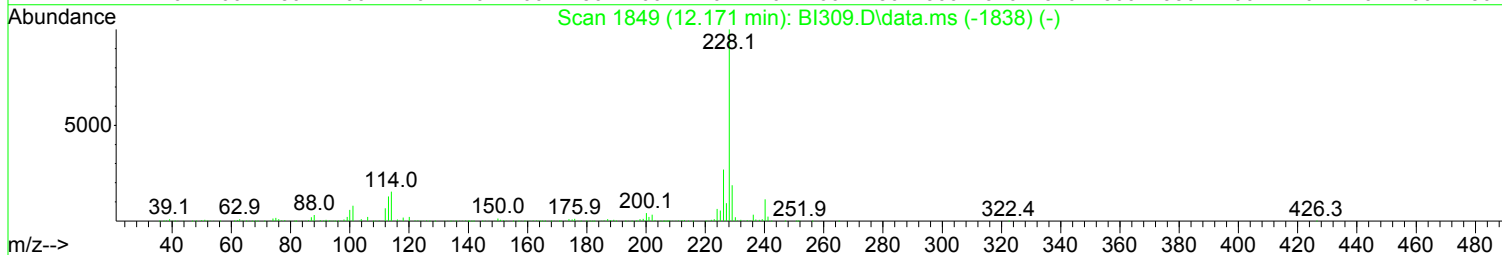
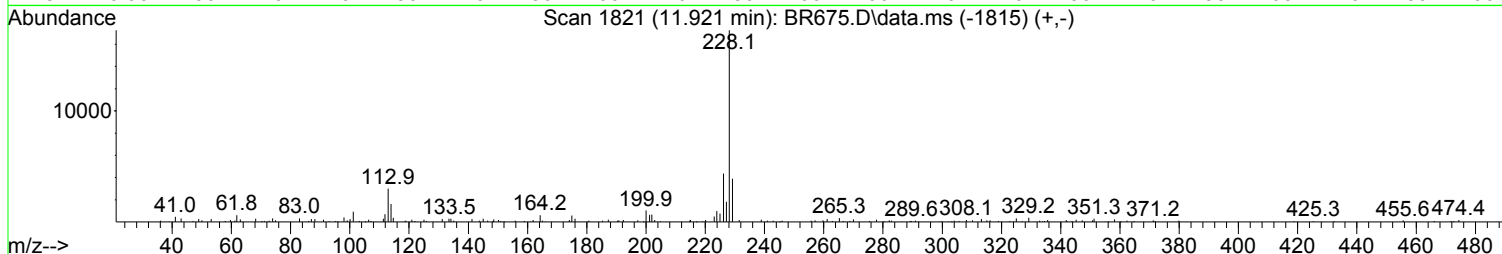
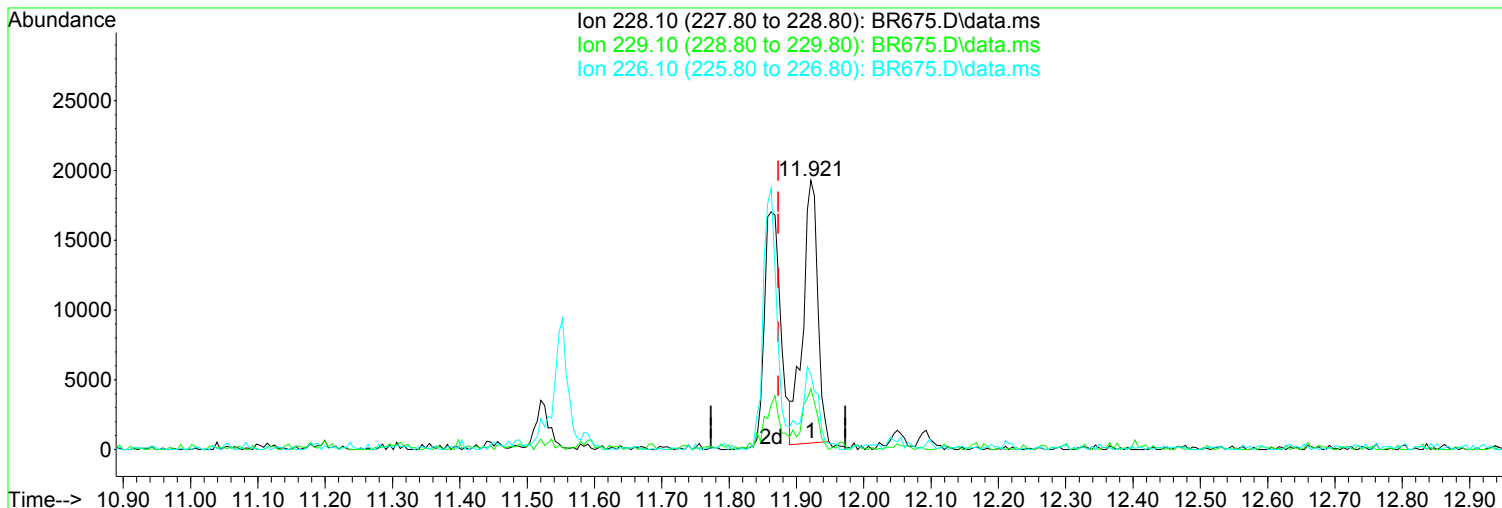
Wrong peak selected.

Ion	Exp%	Act%
228.10	100.00	100.00
229.10	19.40	19.01
226.10	26.50	109.91#
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR675.D
 Acq On : 7 May 2019 6:47 pm
 Operator : JMisiurewicz
 Sample : R1903954-006
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 08 11:01:19 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration



TIC: BR675.D\data.ms

(132) Benzo(a)anthracene (TM)

Manual Integration:

11.921min (+ 0.048) 2.83 ppm

Before

response 28843

05/08/19

Ion	Exp%	Act%
228.10	100.00	100.00
229.10	19.40	22.59
226.10	26.50	25.24
0.00	0.00	0.00

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR675.D
 Acq On : 7 May 2019 6:47 pm
 Operator : JMisiurewicz
 Sample : R1903954-006
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

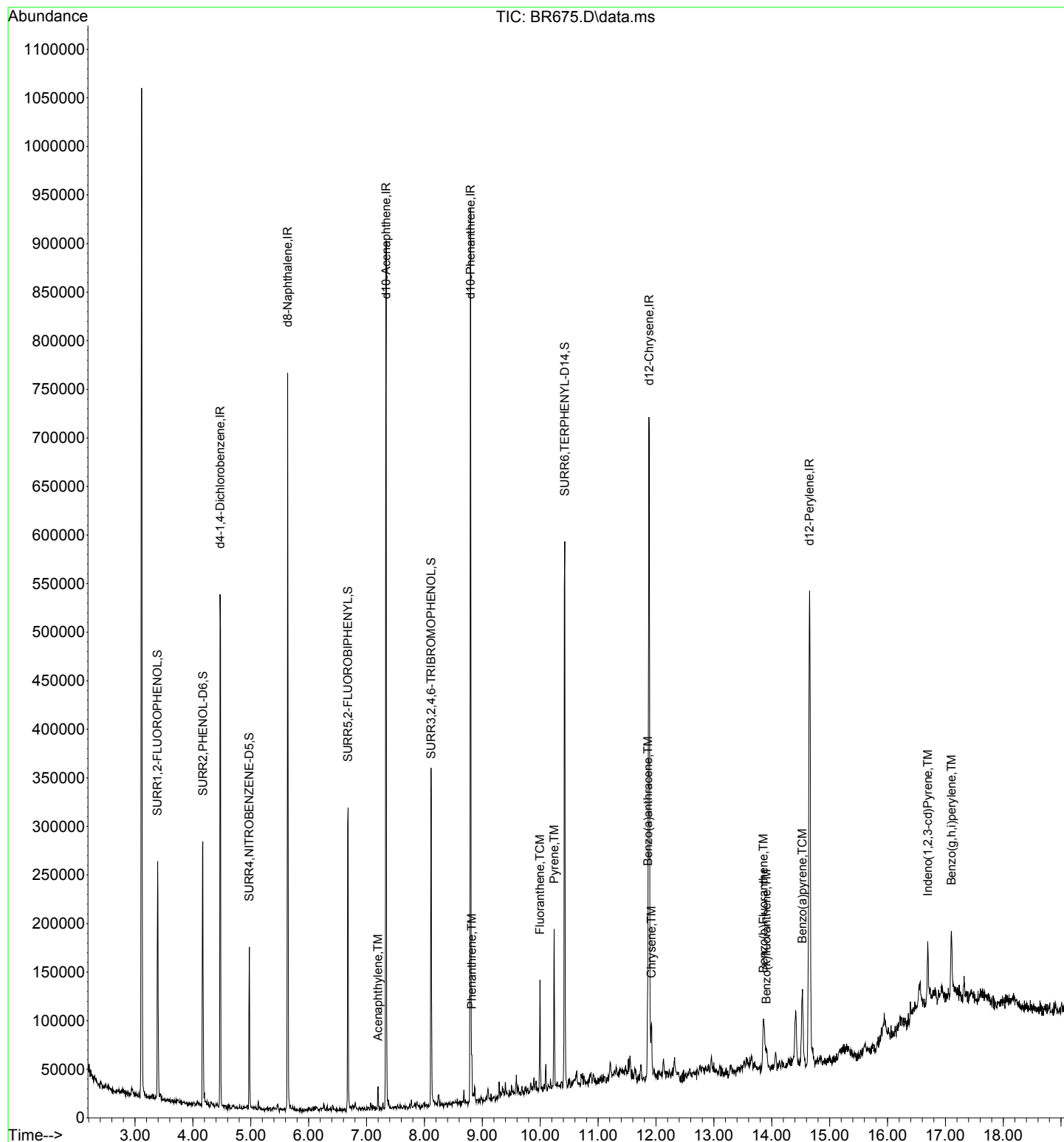
Quant Time: May 08 11:01:19 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

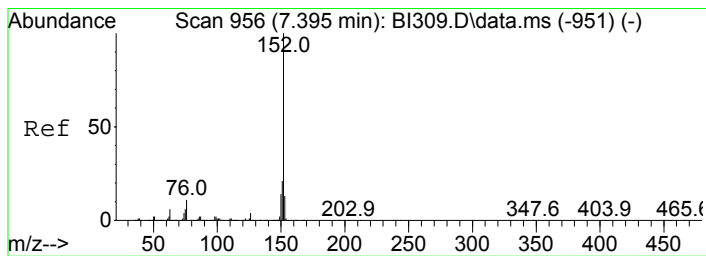
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	76125	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	286598	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	161113	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	286866	40.00	ppm	0.00
117) d12-Chrysene	11.884	240	306206	40.00	ppm	0.00
135) d12-Perylene	14.655	264	327558	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.390	112	70517	26.33	ppm	0.00
Spiked Amount 200.000	Range 10 - 88		Recovery =	13.16%		
12) SURR2,PHENOL-D6	4.171	99	96117	28.92	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery =	14.46%		
34) SURR4,NITROBENZENE-D5	4.974	82	46763	15.84	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery =	15.84%		
63) SURR5,2-FLUOROBIPHENYL	6.680	172	88431	14.00	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery =	14.00%		
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	39533	33.86	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery =	16.93%		
124) SURR6,TERPHENYL-D14	10.424	244	176671	23.04	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery =	23.04%		
Target Compounds						
70) Acenaphthylene	7.199	152	8684	1.014	ppm	92
111) Phenanthrene	8.819	178	12771	1.373	ppm	90
116) Fluoranthene	9.996	202	43614	4.273	ppm	94
123) Pyrene	10.242	202	64718	6.020	ppm	95
132) Benzo(a)anthracene	11.863	228	29150m	2.861	ppm	
133) Chrysene	11.921	228	30356	3.136	ppm	94
138) Benzo(b)Fluoranthene	13.858	252	47349	4.173	ppm	98
139) Benzo(k)fluoranthene	13.911	252	12401	1.171	ppm	81
140) Benzo(a)pyrene	14.532	252	39992	4.230	ppm	84
142) Indeno(1,2,3-cd)Pyrene	16.698	276	34979	3.617	ppm	92
144) Benzo(g,h,i)perylene	17.104	276	42336	4.977	ppm	91

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR675.D
Acq On : 7 May 2019 6:47 pm
Operator : JMisiurewicz
Sample : R1903954-006
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

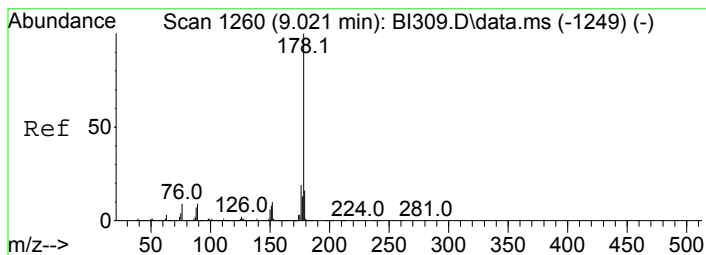
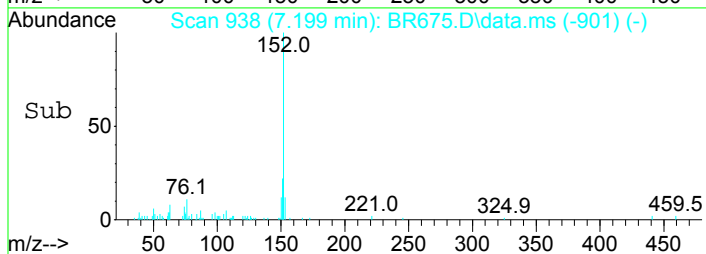
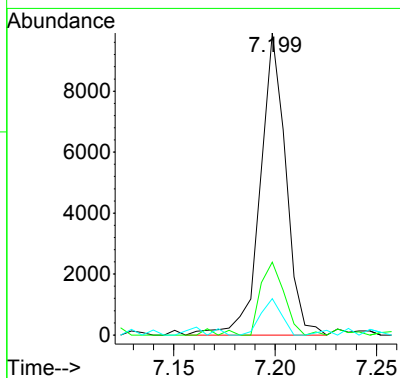
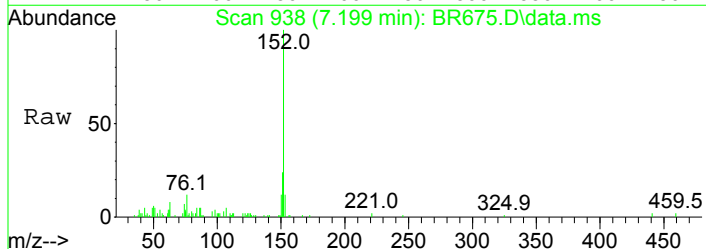
Quant Time: May 08 11:01:19 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration





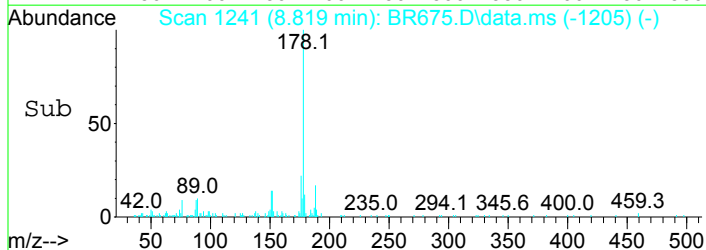
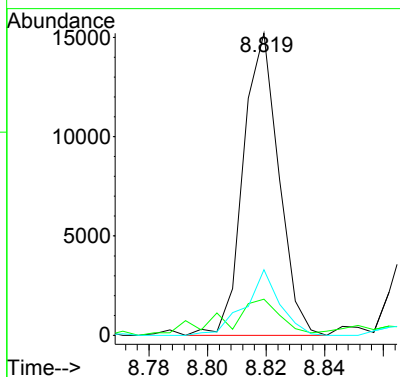
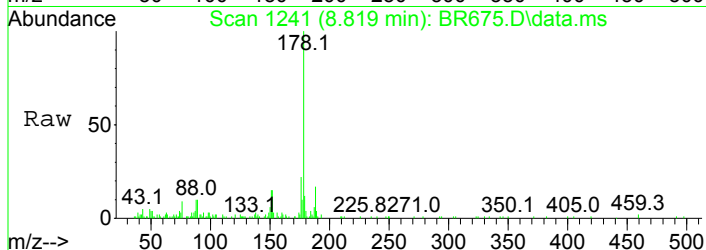
#70
 Acenaphthylene
 Concen: 1.01 ppm
 RT: 7.199 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

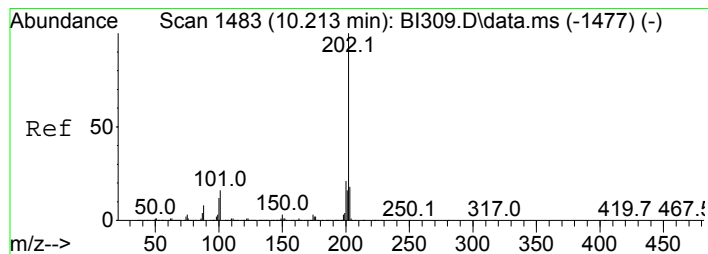
Tgt Ion	Resp	Lower	Upper
152	100		
151	24.2	0.2	40.2
153	9.7	0.0	32.8



#111
 Phenanthrene
 Concen: 1.37 ppm
 RT: 8.819 min Scan# 1241
 Delta R.T. -0.005 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

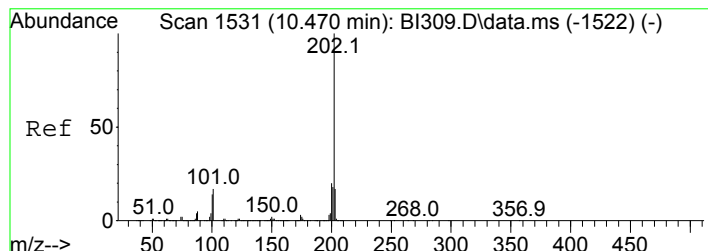
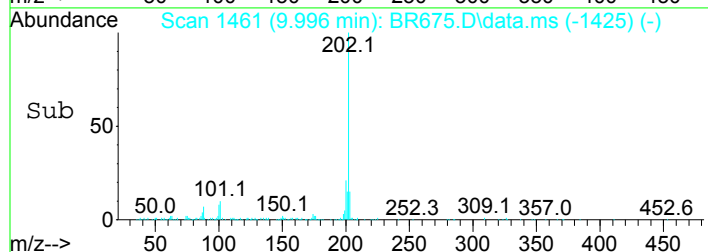
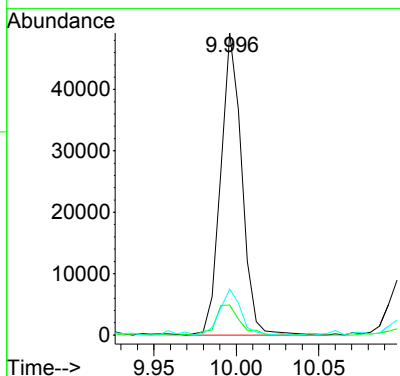
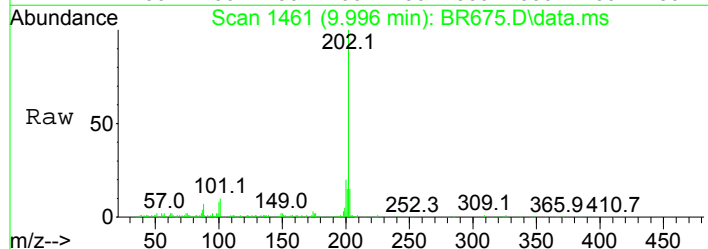
Tgt Ion	Resp	Lower	Upper
178	100		
179	8.9	0.0	35.2
176	21.7	0.0	39.1





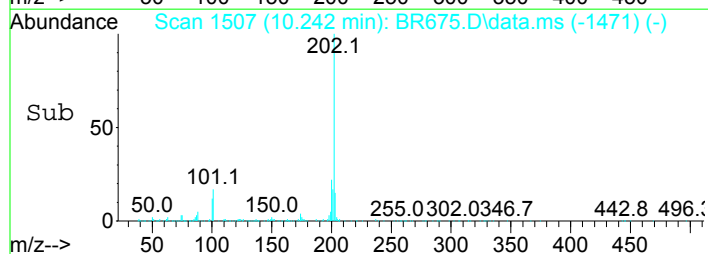
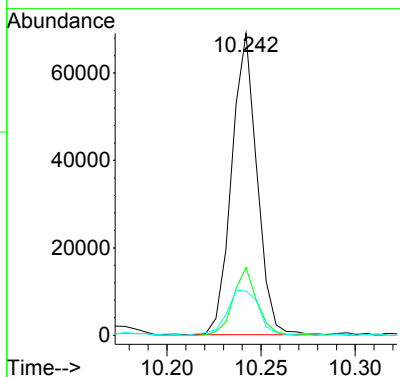
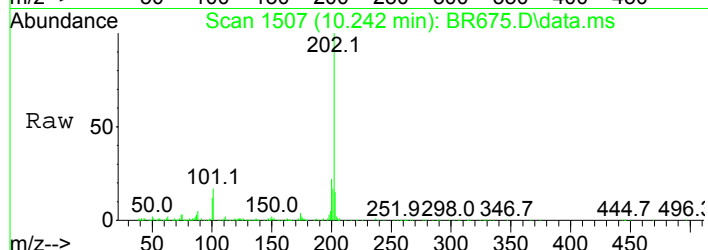
#116
 Fluoranthene
 Concen: 4.27 ppm
 RT: 9.996 min Scan# 1461
 Delta R.T. -0.005 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

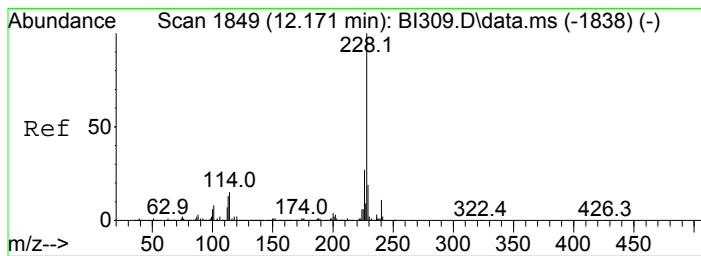
Tgt Ion	Resp	Lower	Upper
202	43614		
101	9.8	0.0	32.2
203	14.5	0.0	37.3



#123
 Pyrene
 Concen: 6.02 ppm
 RT: 10.242 min Scan# 1507
 Delta R.T. -0.005 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

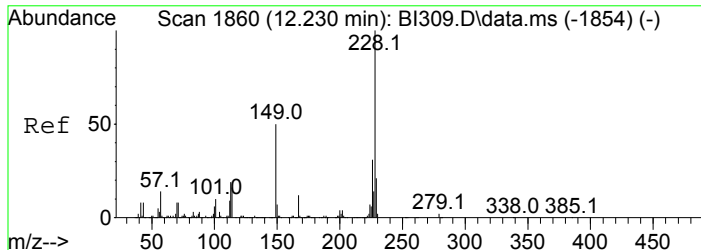
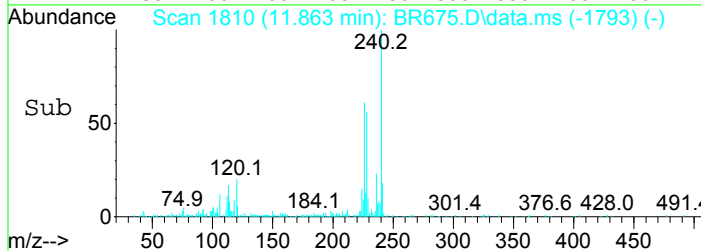
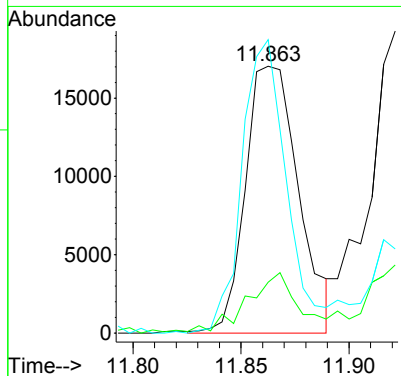
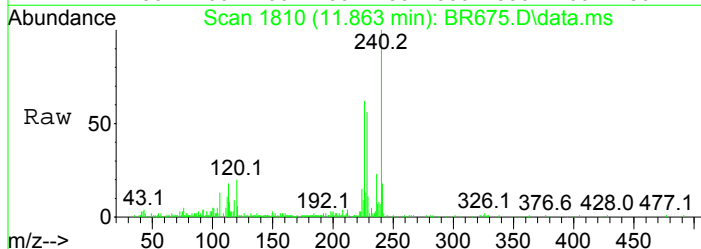
Tgt Ion	Resp	Lower	Upper
202	64718		
200	22.3	0.8	40.8
203	14.6	0.0	37.5





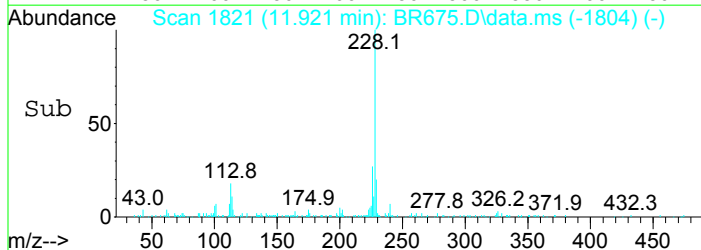
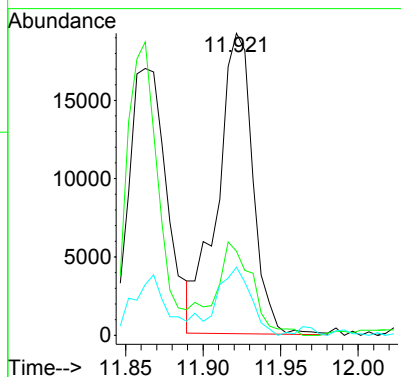
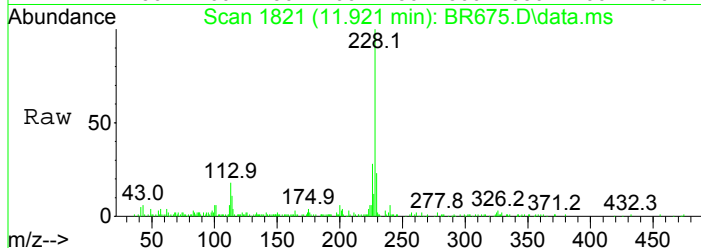
#132
 Benzo(a)anthracene
 Concen: 2.86 ppm m
 RT: 11.863 min Scan# 1810
 Delta R.T. -0.011 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

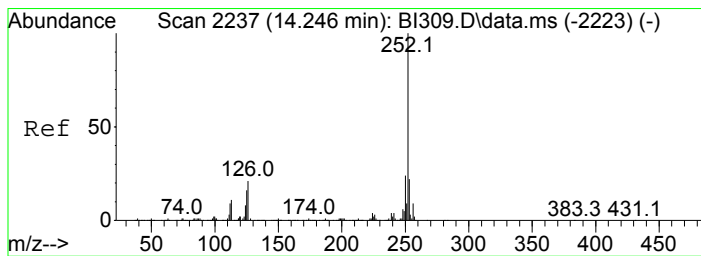
Tgt Ion	Resp	Lower	Upper
228	100		
229	19.0	0.0	39.4
226	109.9	6.5	46.5#



#133
 Chrysene
 Concen: 3.14 ppm
 RT: 11.921 min Scan# 1821
 Delta R.T. -0.011 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

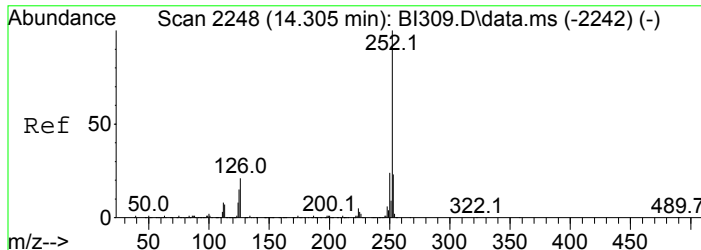
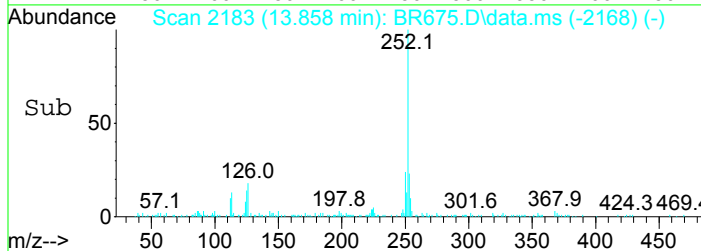
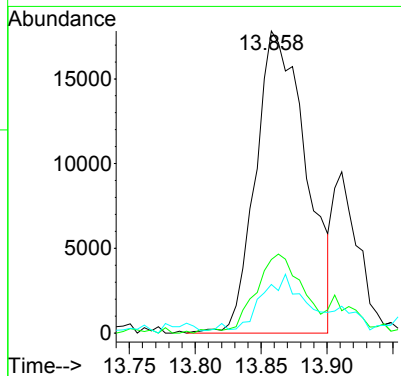
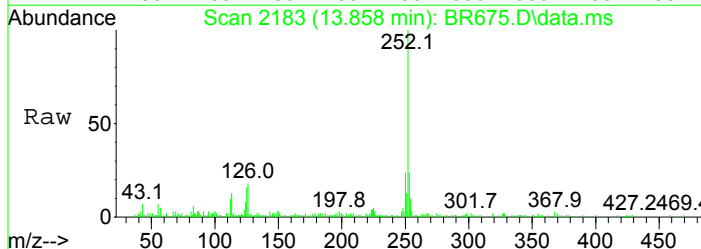
Tgt Ion	Resp	Lower	Upper
228	100		
226	25.7	9.5	49.5
229	22.3	0.0	40.0





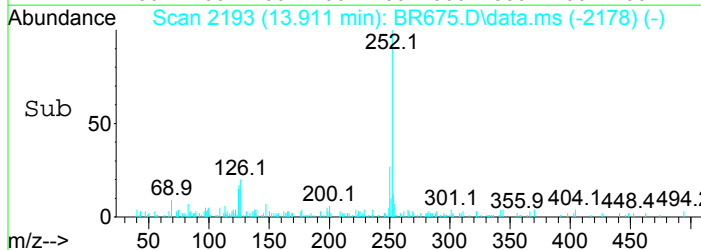
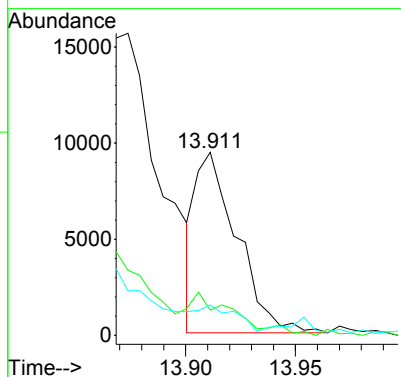
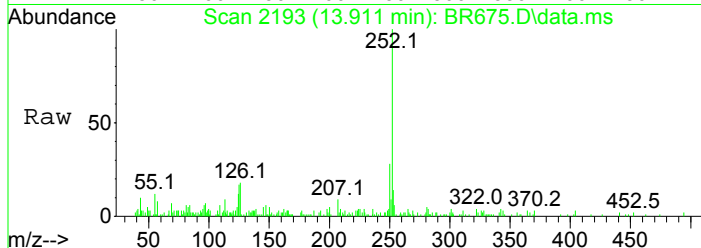
#138
 Benzo(b)Fluoranthene
 Concen: 4.17 ppm
 RT: 13.858 min Scan# 2183
 Delta R.T. -0.021 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

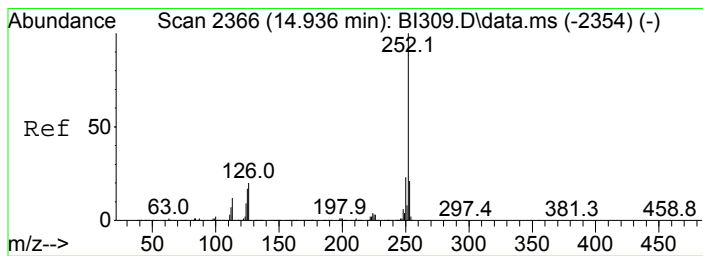
Tgt Ion	Resp	Lower	Upper
252	100		
253	24.1	3.9	43.9
125	13.2	0.0	35.4



#139
 Benzo(k)fluoranthene
 Concen: 1.17 ppm
 RT: 13.911 min Scan# 2193
 Delta R.T. -0.021 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

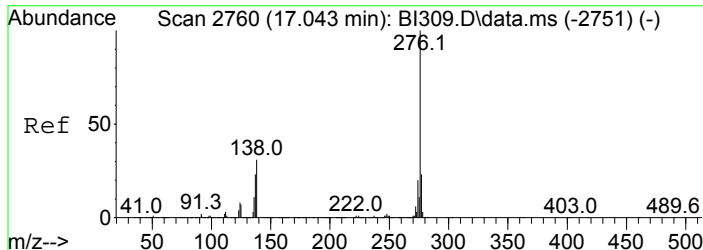
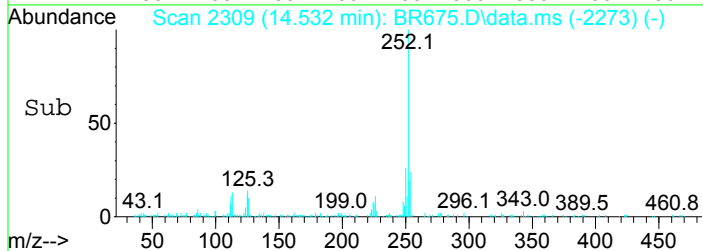
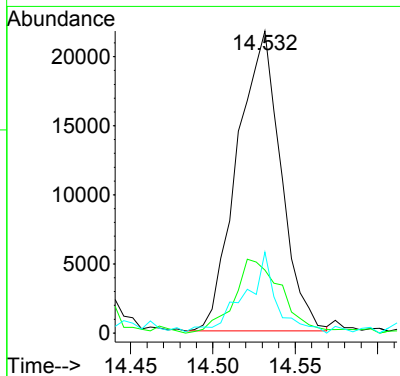
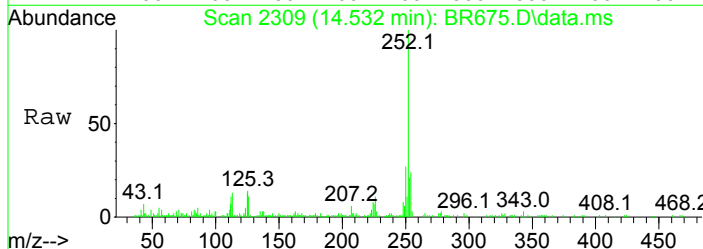
Tgt Ion	Resp	Lower	Upper
252	100		
253	7.1	1.0	41.0
125	13.6	0.0	32.9





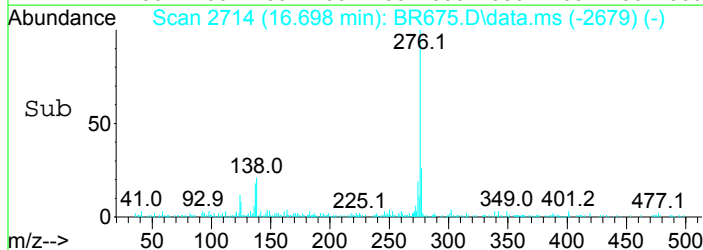
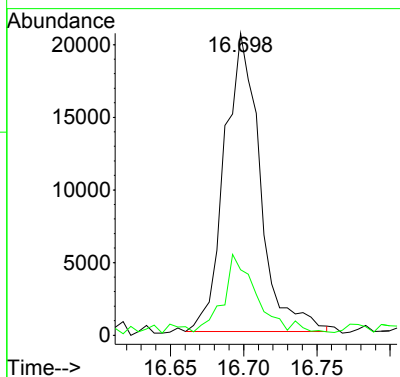
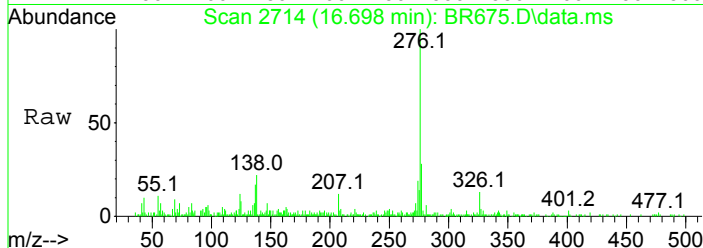
#140
 Benzo(a)pyrene
 Concen: 4.23 ppm
 RT: 14.532 min Scan# 2309
 Delta R.T. -0.005 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

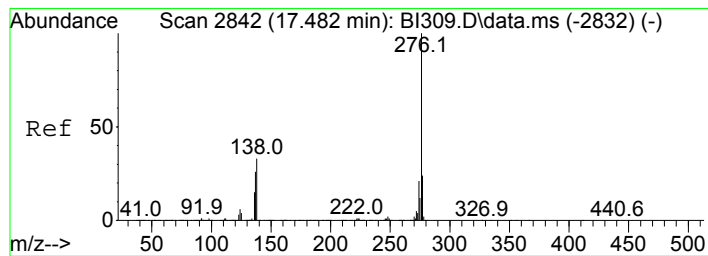
Tgt Ion	Resp	Lower	Upper
252	100		
253	20.2	2.8	42.8
125	27.1	0.0	33.6



#142
 Indeno(1,2,3-cd)Pyrene
 Concen: 3.62 ppm
 RT: 16.698 min Scan# 2714
 Delta R.T. -0.011 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

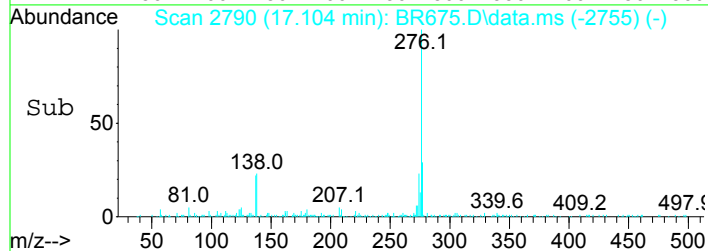
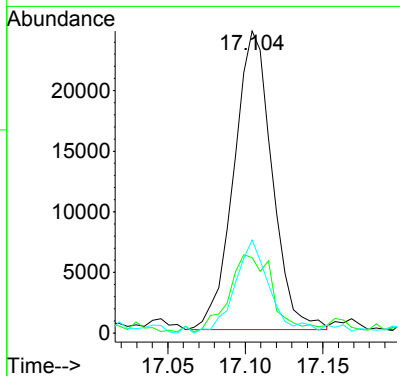
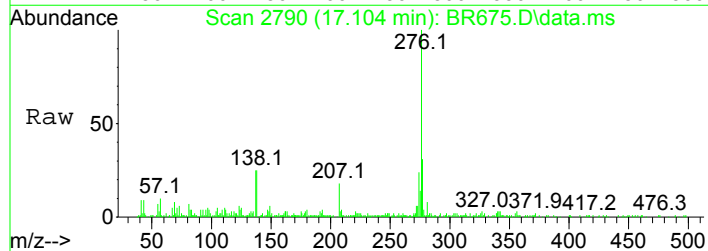
Tgt Ion	Resp	Lower	Upper
276	100		
138	20.1	4.3	44.3





#144
 Benzo(g,h,i)perylene
 Concen: 4.98 ppm
 RT: 17.104 min Scan# 2790
 Delta R.T. -0.011 min
 Lab File: BR675.D
 Acq: 7 May 2019 6:47 pm

Tgt Ion	Resp	Lower	Upper
276	42336		
138	22.9	7.9	47.9
277	28.9	4.3	44.3



Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR676.D
Acq On : 7 May 2019 7:16 pm
Operator : JMisiurewicz
Sample : R1903954-008|3.0
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

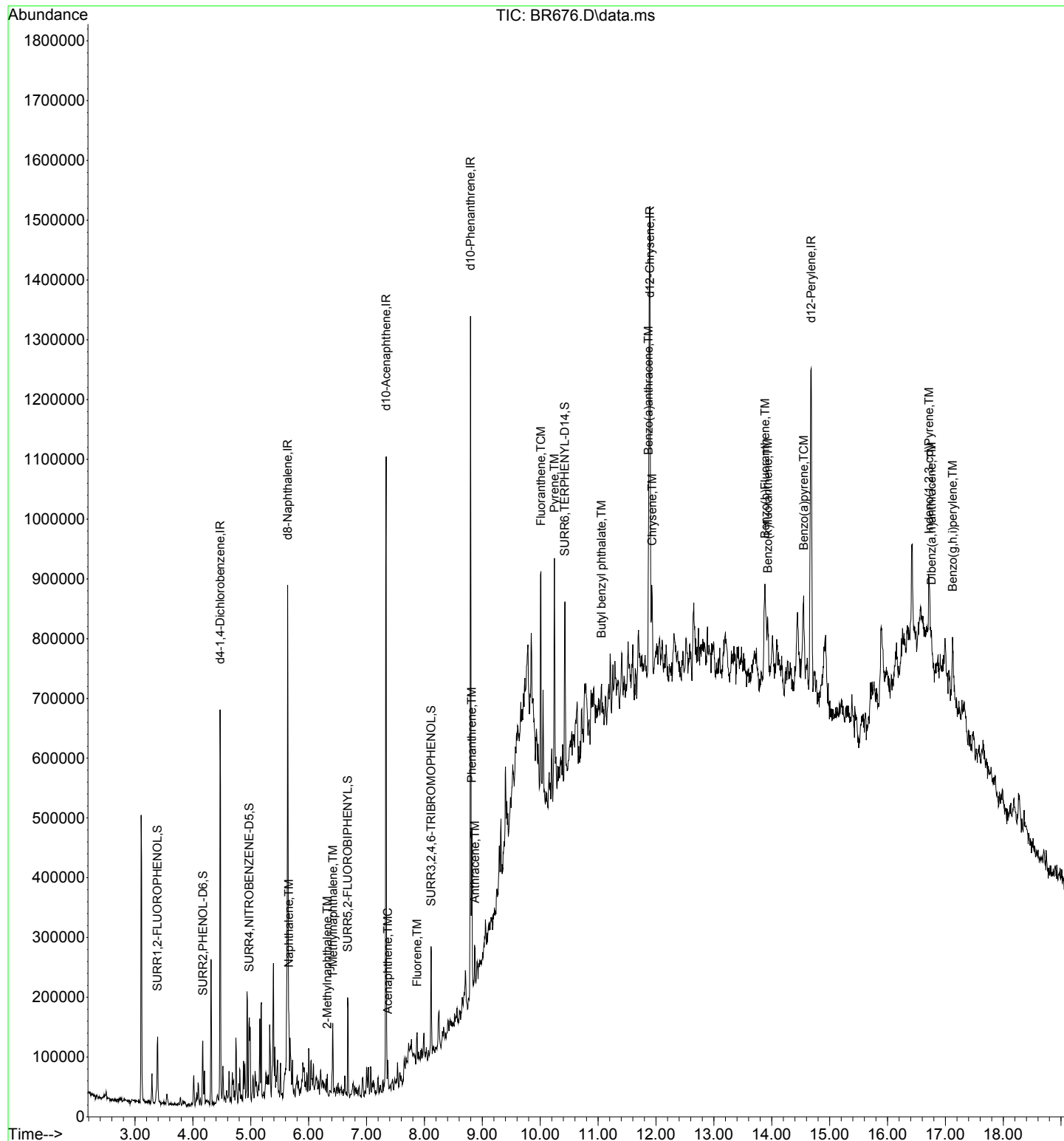
Quant Time: May 08 11:01:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

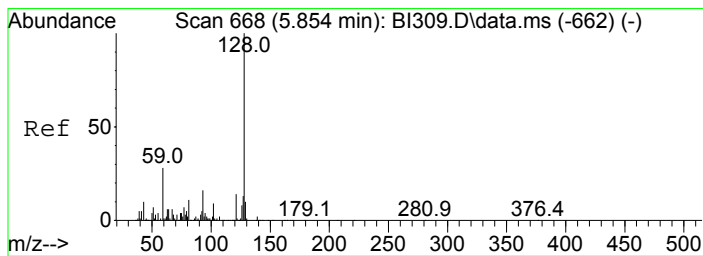
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.471	152	91201	40.00	ppm	0.00	
33) d8-Naphthalene	5.637	136	326613	40.00	ppm	0.00	
57) d10-Acenaphthene	7.338	164	191833	40.00	ppm	0.00	
91) d10-Phenanthrene	8.798	188	348453	40.00	ppm	0.00	
117) d12-Chrysene	11.895	240	356691	40.00	ppm	0.00	
135) d12-Perylene	14.681	264	368490	40.00	ppm	0.03	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.390	112	31728	9.89	ppm	0.00	
Spiked Amount 200.000	Range 10	- 88	Recovery	=	4.95%#		
12) SURR2,PHENOL-D6	4.171	99	37035	9.30	ppm	0.00	
Spiked Amount 200.000	Range 10	- 145	Recovery	=	4.65%#		
34) SURR4,NITROBENZENE-D5	4.974	82	18926	5.62	ppm	0.00	
Spiked Amount 100.000	Range 10	- 95	Recovery	=	5.62%#		
63) SURR5,2-FLUOROBIPHENYL	6.674	172	44545	5.92	ppm	0.00	
Spiked Amount 100.000	Range 10	- 102	Recovery	=	5.92%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	19569	14.08	ppm	0.00	
Spiked Amount 200.000	Range 10	- 109	Recovery	=	7.04%#		
124) SURR6,TERPHENYL-D14	10.424	244	62117	6.95	ppm	0.00	
Spiked Amount 100.000	Range 10	- 106	Recovery	=	6.95%#		
Target Compounds							
							Qvalue
45) Naphthalene	5.658	128	19420	2.003	ppm		93
55) 2-Methylnaphthalene	6.321	142	8934	1.350	ppm		83
56) 1-Methylnaphthalene	6.418	142	29033	4.654	ppm		88
73) Acenaphthene	7.364	153	8980	1.260	ppm		92
83) Fluorene	7.873	166	10167	1.349	ppm		94
111) Phenanthrene	8.819	178	84737	7.502	ppm		97
112) Anthracene	8.873	178	23790	2.145	ppm		92
116) Fluoranthene	10.012	202	126783	10.226	ppm		96
123) Pyrene	10.247	202	168515	13.457	ppm		99
128) Butyl benzyl phthalate	11.060	149	9681	1.541	ppm	#	71
132) Benzo(a)anthracene	11.873	228	81473	6.864	ppm		99
133) Chrysene	11.932	228	87557	7.766	ppm		92
138) Benzo(b)Fluoranthene	13.884	252	113419	8.886	ppm		87
139) Benzo(k)fluoranthene	13.933	252	33890	2.845	ppm		94
140) Benzo(a)pyrene	14.553	252	105290	9.901	ppm		94
142) Indeno(1,2,3-cd)Pyrene	16.719	276	57944	5.325	ppm		79
143) Dibenz(a,h)anthracene	16.762	278	16243	1.401	ppm		92
144) Benzo(g,h,i)perylene	17.126	276	68818	7.192	ppm		92

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR676.D
Acq On : 7 May 2019 7:16 pm
Operator : JMisiurewicz
Sample : R1903954-008|3.0
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

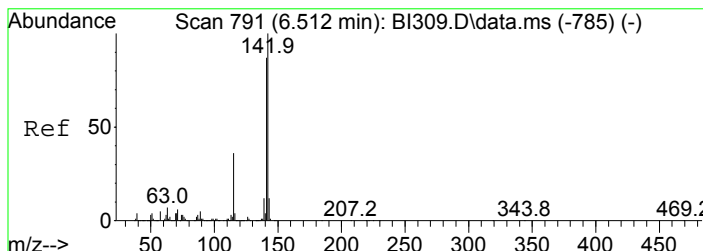
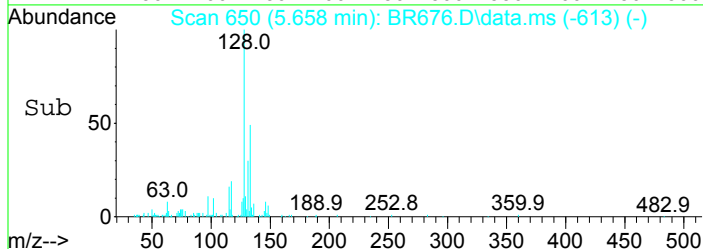
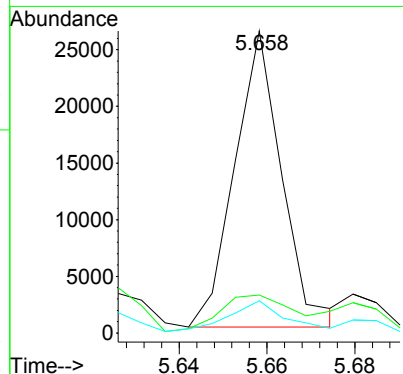
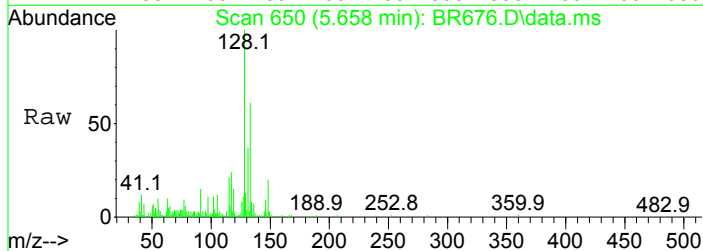
Quant Time: May 08 11:01:25 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration





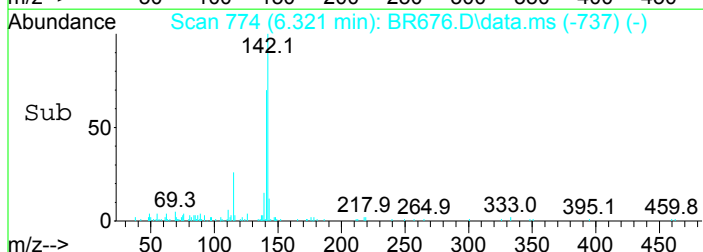
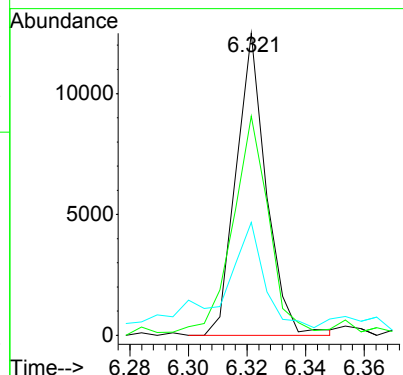
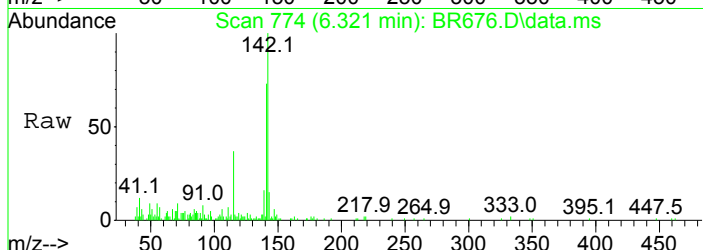
#45
 Naphthalene
 Concen: 2.00 ppm
 RT: 5.658 min Scan# 650
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

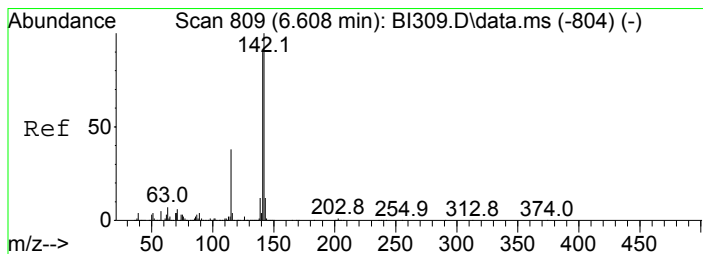
Tgt Ion	Resp	Lower	Upper
128	19420		
129	8.6	0.0	31.3
127	9.8	0.0	32.6



#55
 2-Methylnaphthalene
 Concen: 1.35 ppm
 RT: 6.321 min Scan# 774
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

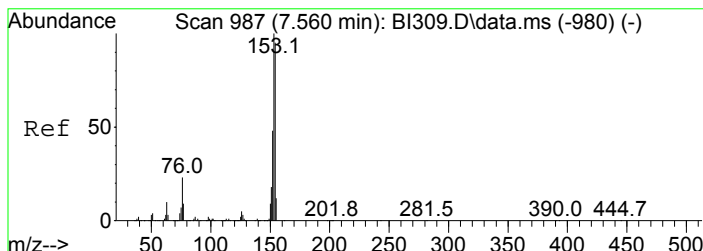
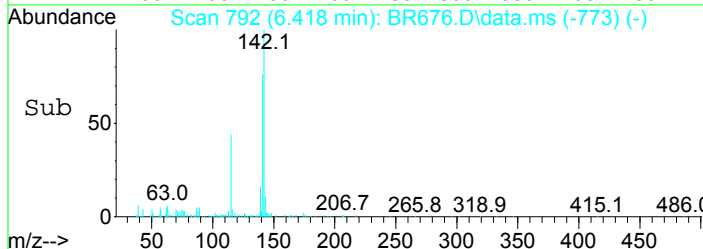
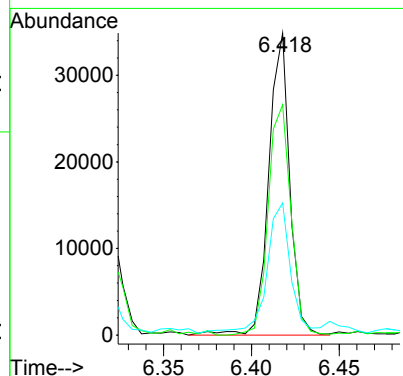
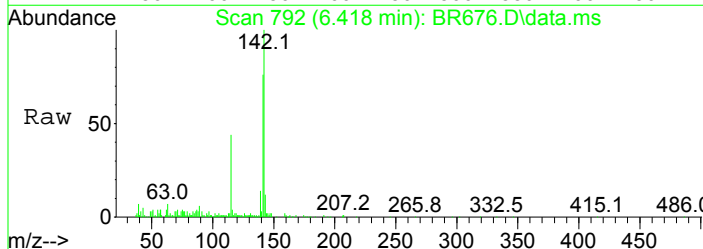
Tgt Ion	Resp	Lower	Upper
142	8934		
141	70.3	67.8	107.8
115	29.1	16.4	56.4





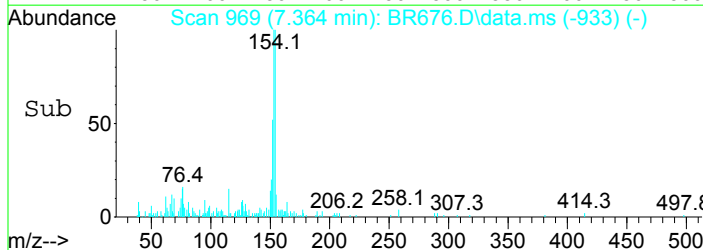
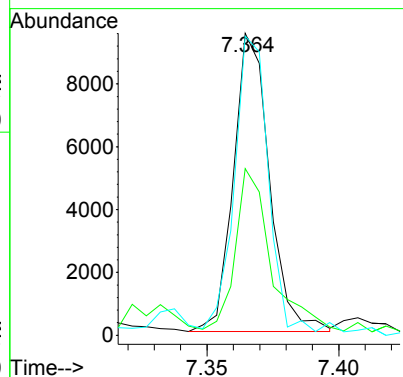
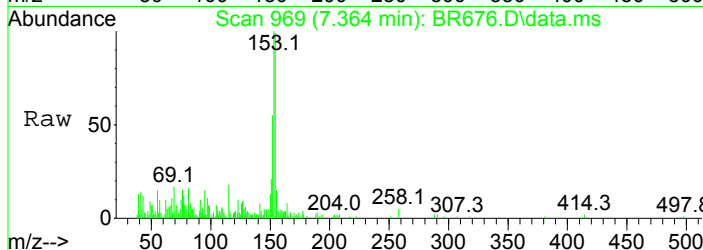
#56
 1-Methylnaphthalene
 Concen: 4.65 ppm
 RT: 6.418 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

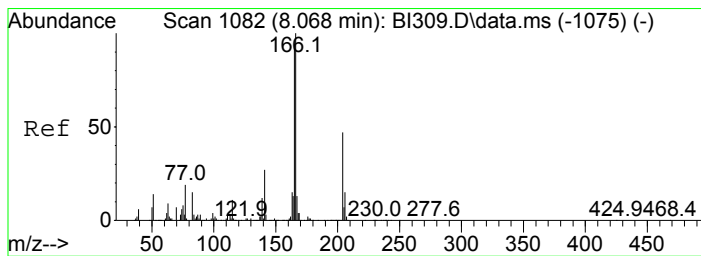
Tgt Ion	Resp	Lower	Upper
142	100		
141	75.8	59.8	119.8
115	40.5	7.8	67.8



#73
 Acenaphthene
 Concen: 1.26 ppm
 RT: 7.364 min Scan# 969
 Delta R.T. -0.005 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

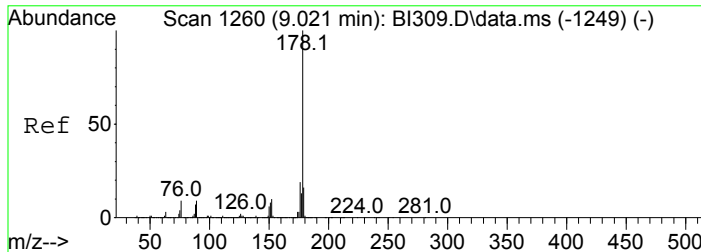
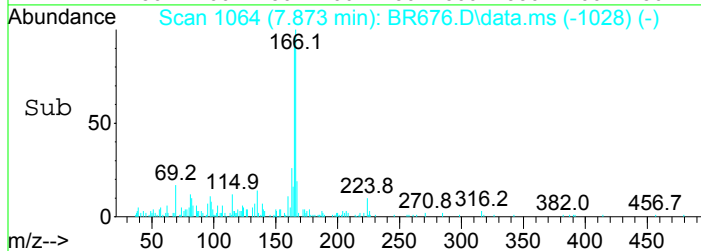
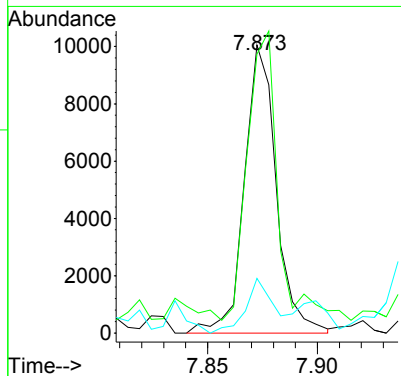
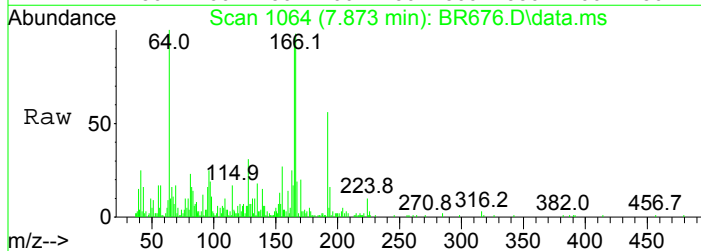
Tgt Ion	Resp	Lower	Upper
153	100		
152	53.2	27.6	67.6
154	97.0	70.1	110.1





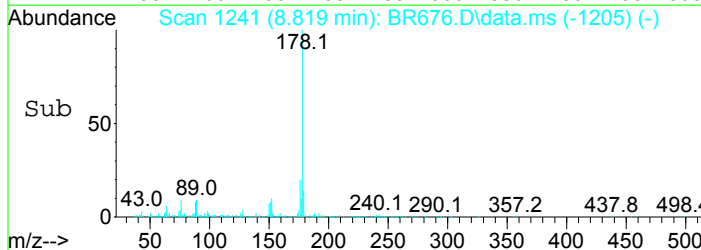
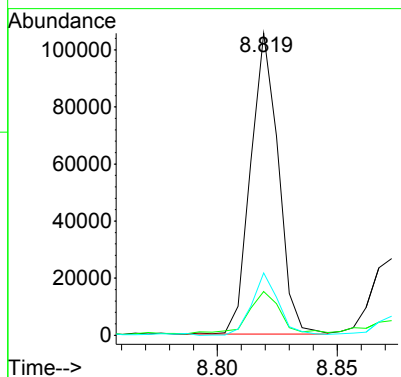
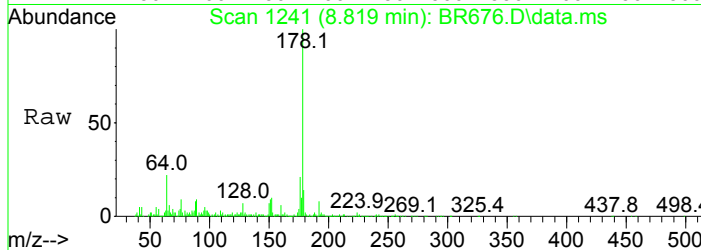
#83
 Fluorene
 Concen: 1.35 ppm
 RT: 7.873 min Scan# 1064
 Delta R.T. -0.005 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

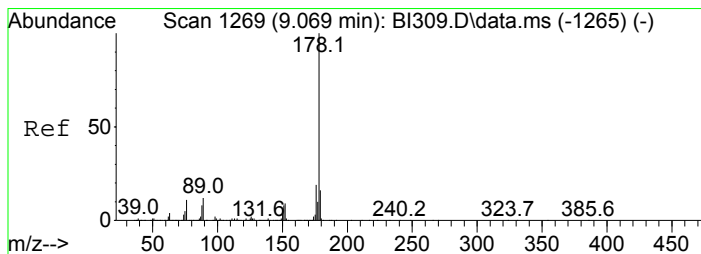
Tgt Ion	Resp	Lower	Upper
166	10167		
165	89.0	65.0	125.0
167	13.4	0.0	44.3



#111
 Phenanthrene
 Concen: 7.50 ppm
 RT: 8.819 min Scan# 1241
 Delta R.T. -0.005 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

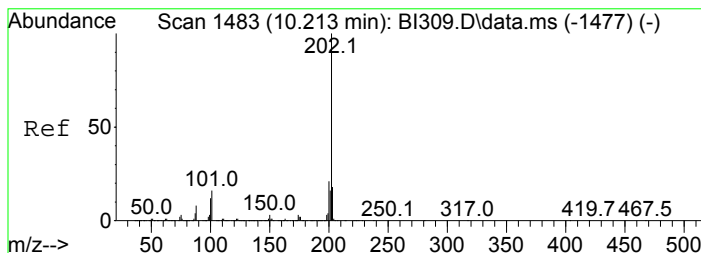
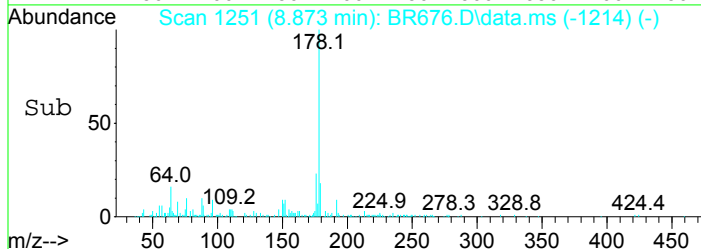
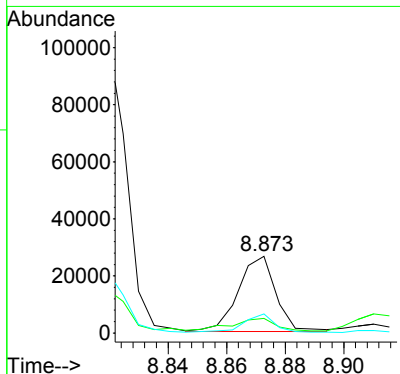
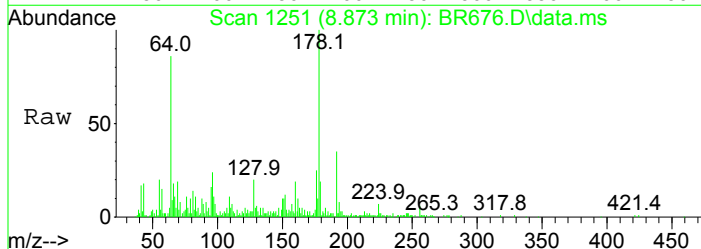
Tgt Ion	Resp	Lower	Upper
178	84737		
179	13.9	0.0	35.2
176	20.3	0.0	39.1





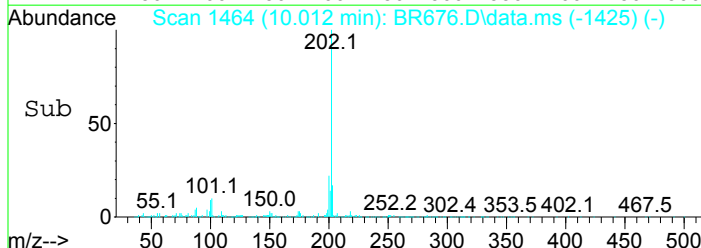
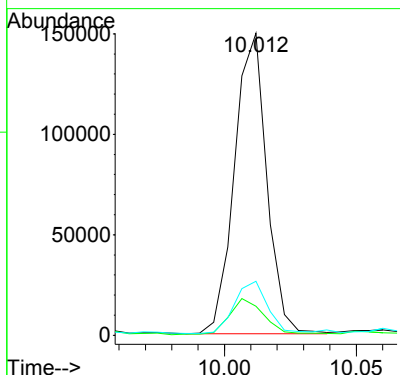
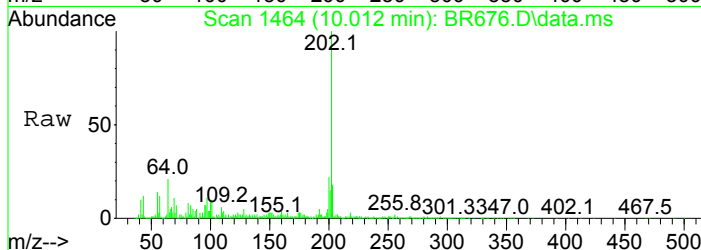
#112
 Anthracene
 Concen: 2.15 ppm
 RT: 8.873 min Scan# 1251
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

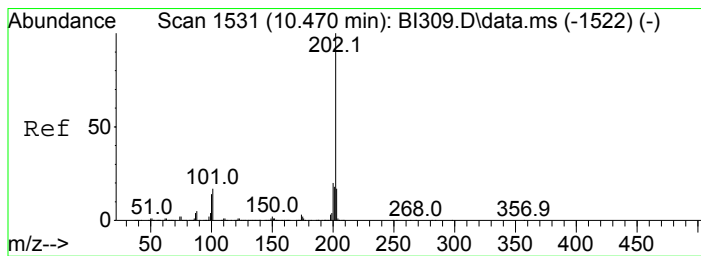
Tgt Ion	Resp	Lower	Upper
178	100		
179	16.4	0.0	35.6
176	24.6	0.0	38.5



#116
 Fluoranthene
 Concen: 10.23 ppm
 RT: 10.012 min Scan# 1464
 Delta R.T. 0.011 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

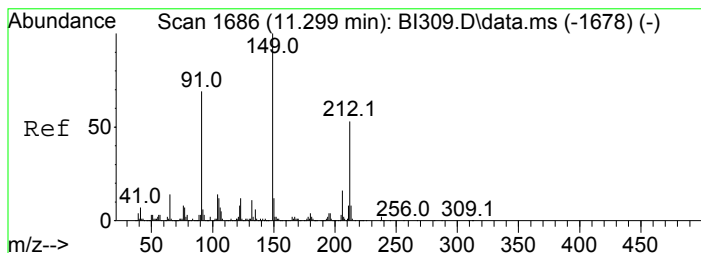
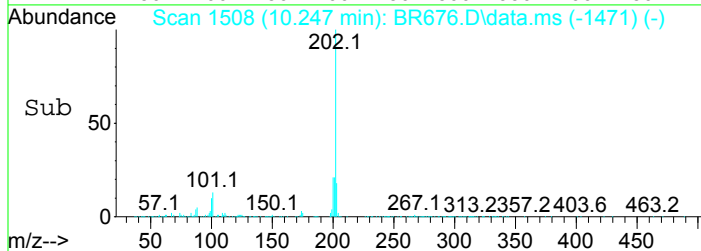
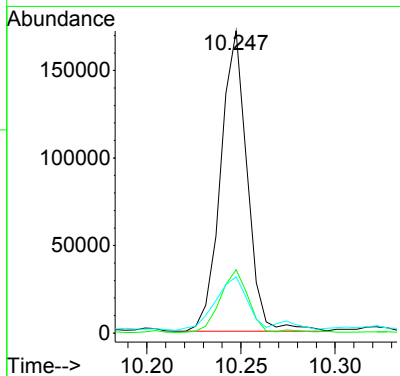
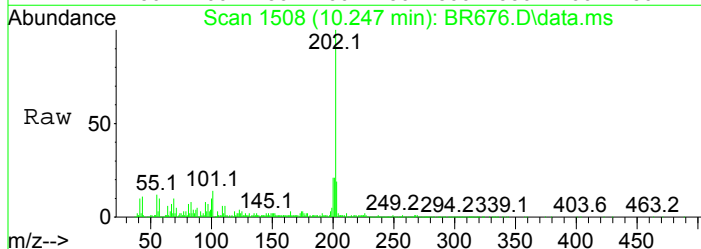
Tgt Ion	Resp	Lower	Upper
202	100		
101	9.1	0.0	32.2
203	16.8	0.0	37.3





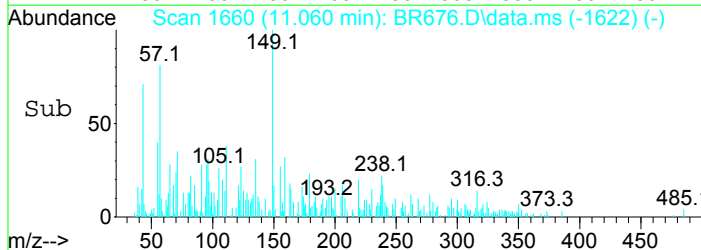
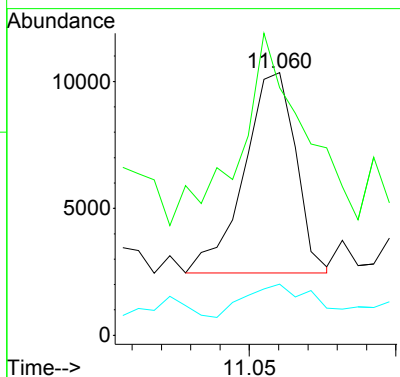
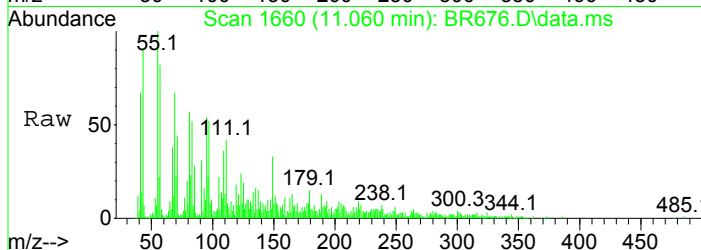
#123
 Pyrene
 Concen: 13.46 ppm
 RT: 10.247 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

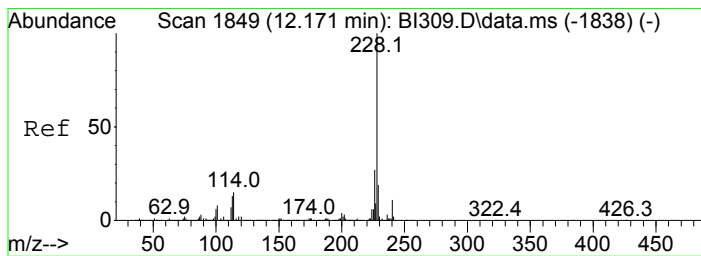
Tgt Ion	Resp	Lower	Upper
202	168515		
200	20.6	0.8	40.8
203	17.1	0.0	37.5



#128
 Butyl benzyl phthalate
 Concen: 1.54 ppm
 RT: 11.060 min Scan# 1660
 Delta R.T. 0.005 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

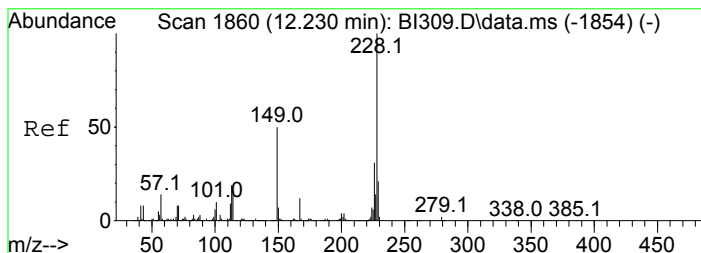
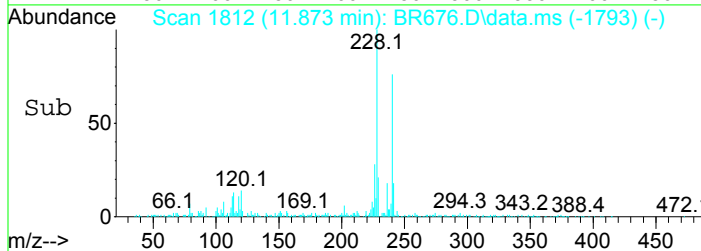
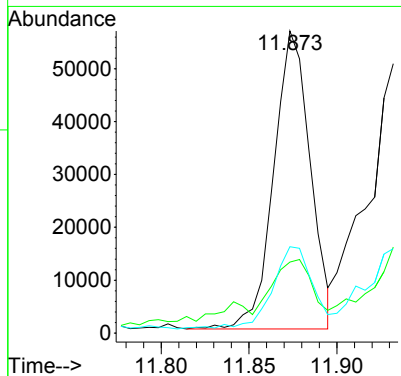
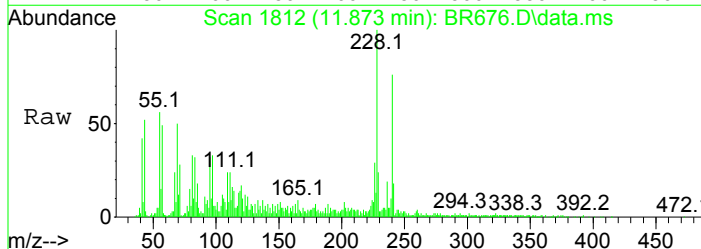
Tgt Ion	Resp	Lower	Upper
149	9681		
149	100		
91	40.2	47.1	87.1#
206	11.5	0.0	37.3





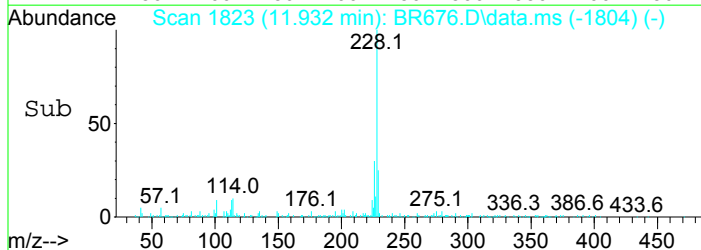
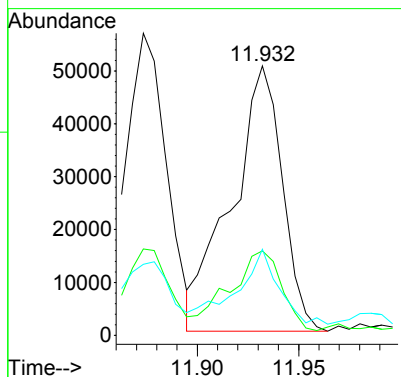
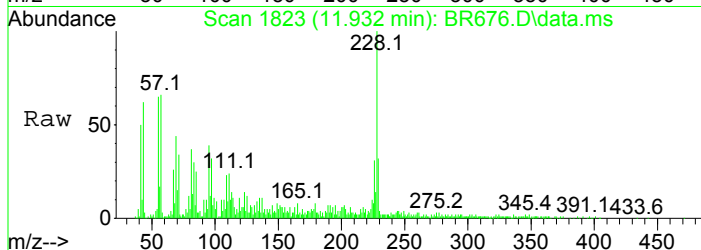
#132
 Benzo(a)anthracene
 Concen: 6.86 ppm
 RT: 11.873 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

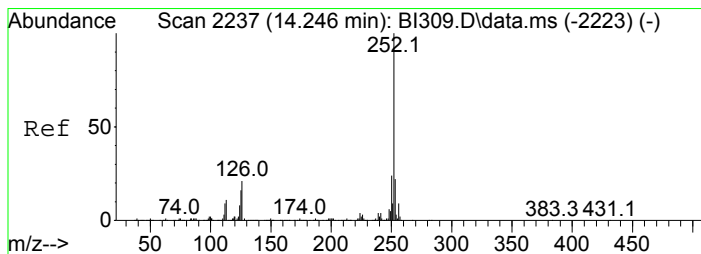
Tgt Ion	Resp	Lower	Upper
228	81473		
229	18.6	0.0	39.4
226	26.9	6.5	46.5



#133
 Chrysene
 Concen: 7.77 ppm
 RT: 11.932 min Scan# 1823
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

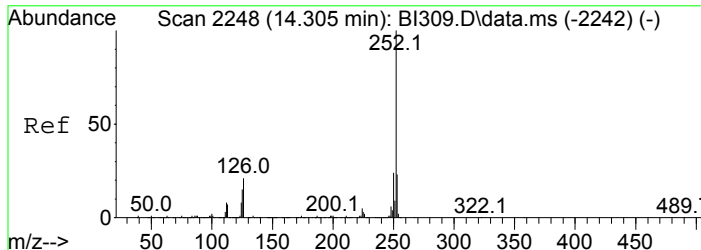
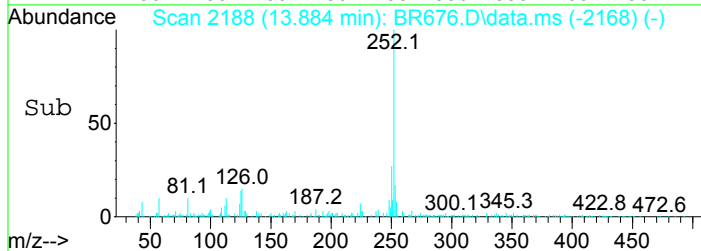
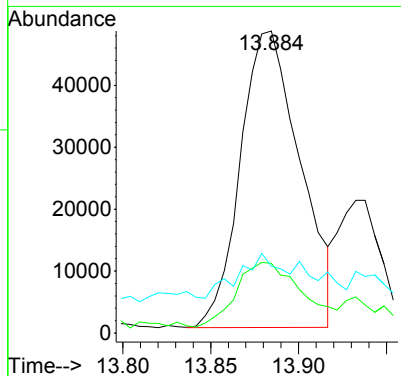
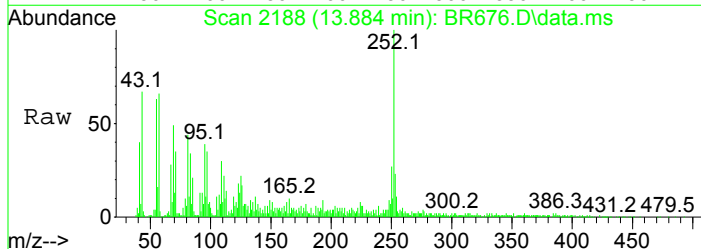
Tgt Ion	Resp	Lower	Upper
228	87557		
226	29.1	9.5	49.5
229	28.2	0.0	40.0





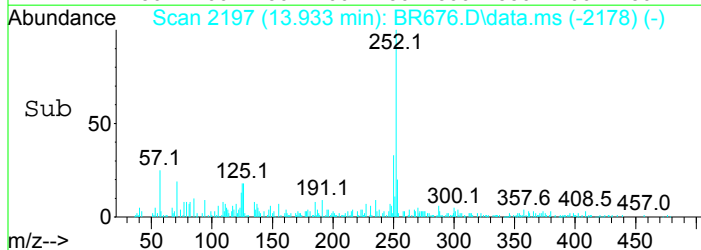
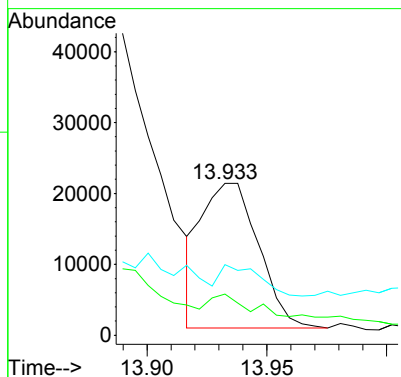
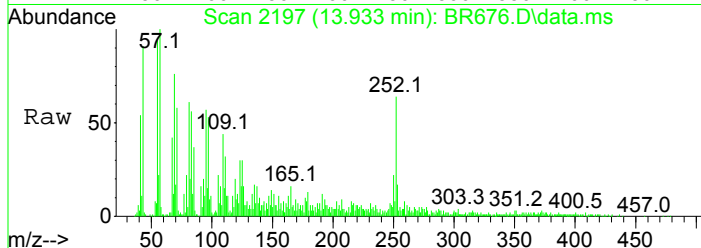
#138
 Benzo(b)Fluoranthene
 Concen: 8.89 ppm
 RT: 13.884 min Scan# 2188
 Delta R.T. 0.005 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

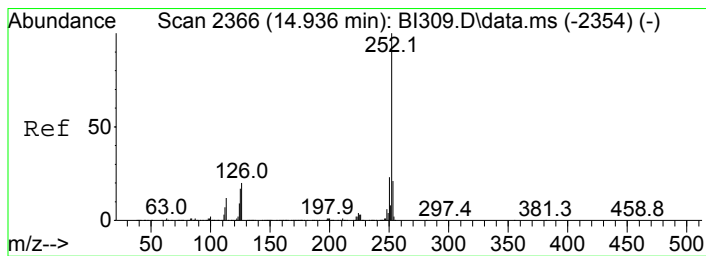
Tgt Ion	Resp	Lower	Upper
252	100		
253	20.7	3.9	43.9
125	6.0	0.0	35.4



#139
 Benzo(k)fluoranthene
 Concen: 2.84 ppm
 RT: 13.933 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

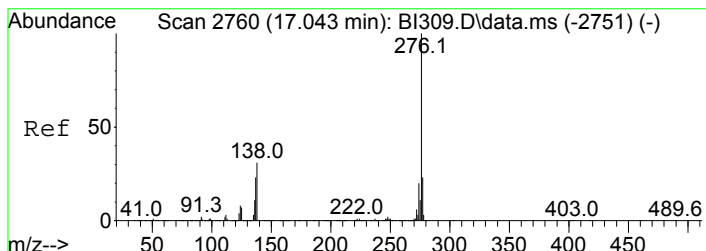
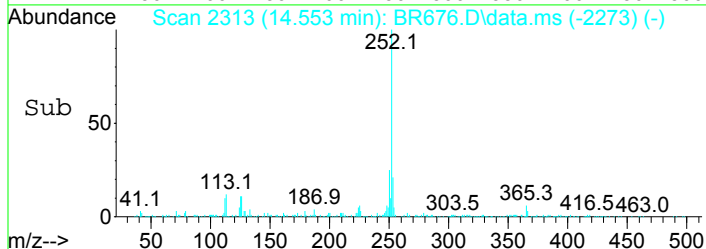
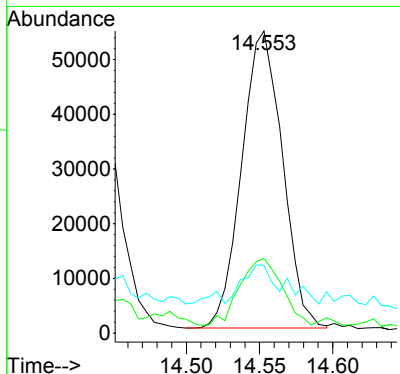
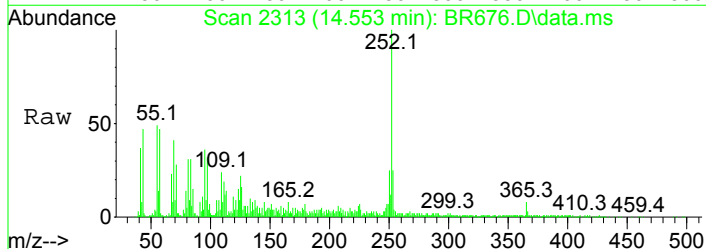
Tgt Ion	Resp	Lower	Upper
252	100		
253	17.1	1.0	41.0
125	13.7	0.0	32.9





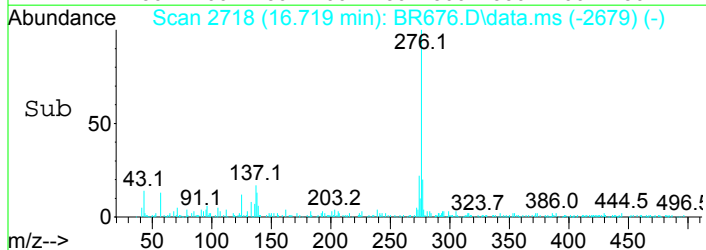
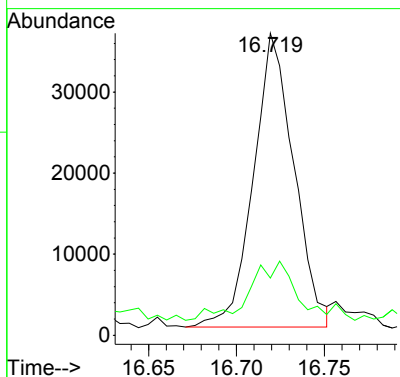
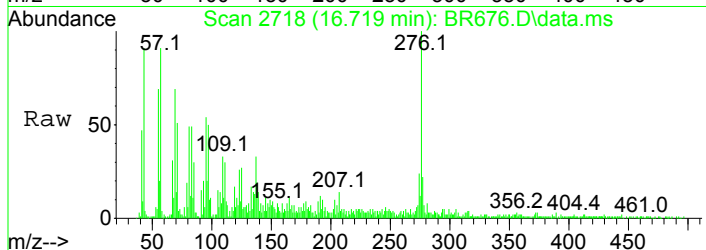
#140
 Benzo(a)pyrene
 Concen: 9.90 ppm
 RT: 14.553 min Scan# 2313
 Delta R.T. 0.016 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

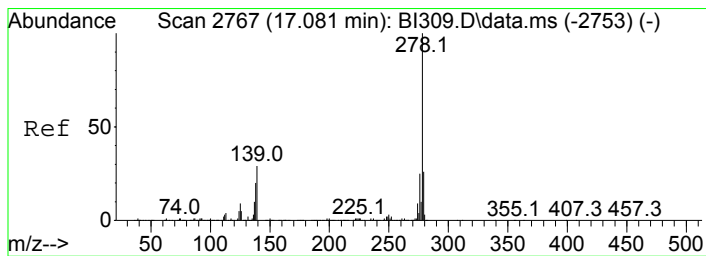
Tgt Ion	Resp	Lower	Upper
252	105290		
253	20.2	2.8	42.8
125	11.0	0.0	33.6



#142
 Indeno(1,2,3-cd)Pyrene
 Concen: 5.33 ppm
 RT: 16.719 min Scan# 2718
 Delta R.T. 0.011 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

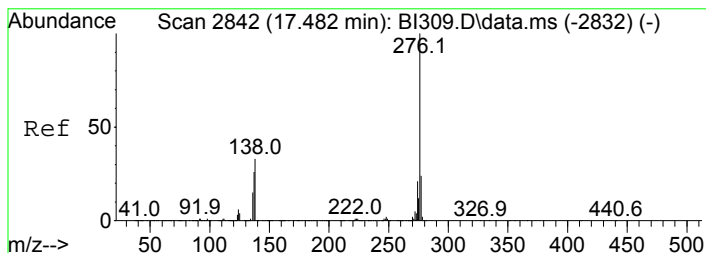
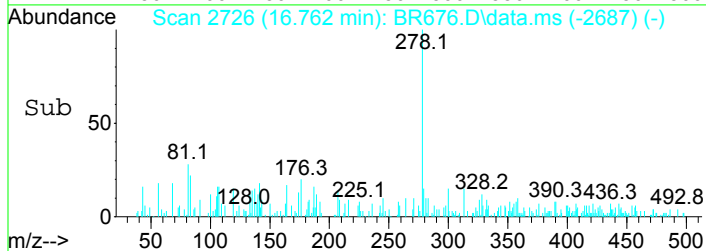
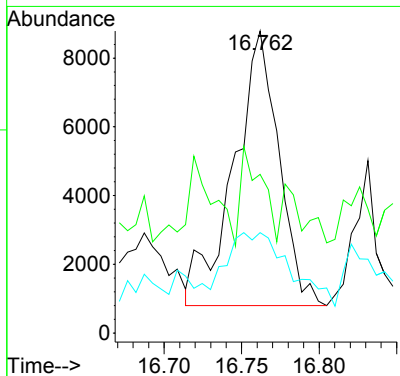
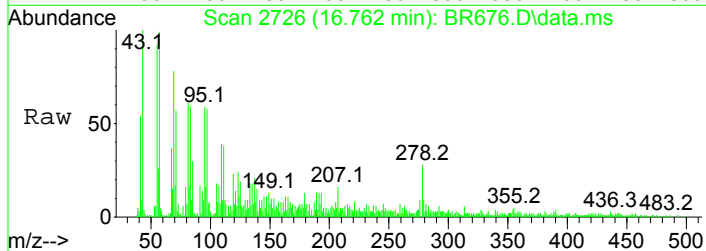
Tgt Ion	Resp	Lower	Upper
276	57944		
138	13.8	4.3	44.3





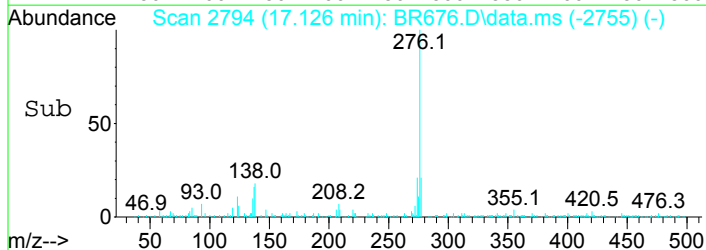
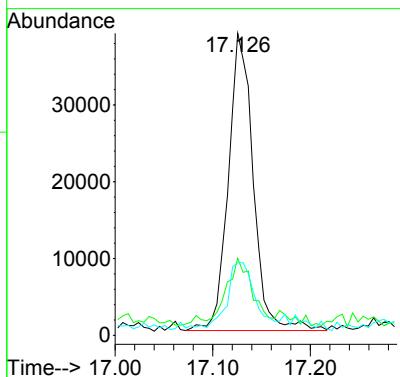
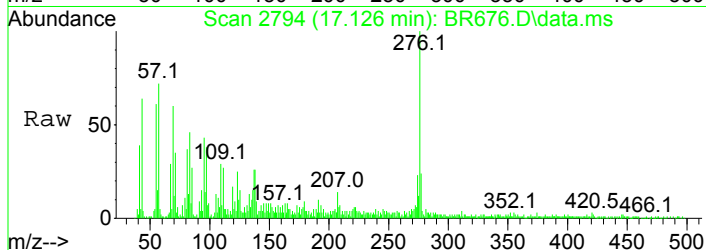
#143
 Dibenz(a,h)anthracene
 Concen: 1.40 ppm
 RT: 16.762 min Scan# 2726
 Delta R.T. 0.011 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

Tgt Ion	Resp	Lower	Upper
278	16243		
139	22.2	0.3	40.3
279	18.5	4.3	44.3



#144
 Benzo(g,h,i)perylene
 Concen: 7.19 ppm
 RT: 17.126 min Scan# 2794
 Delta R.T. 0.011 min
 Lab File: BR676.D
 Acq: 7 May 2019 7:16 pm

Tgt Ion	Resp	Lower	Upper
276	68818		
138	21.7	7.9	47.9
277	22.1	4.3	44.3



Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR677.D
Acq On : 7 May 2019 7:44 pm
Operator : JMisiurewicz
Sample : R1903954-010|3.0
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

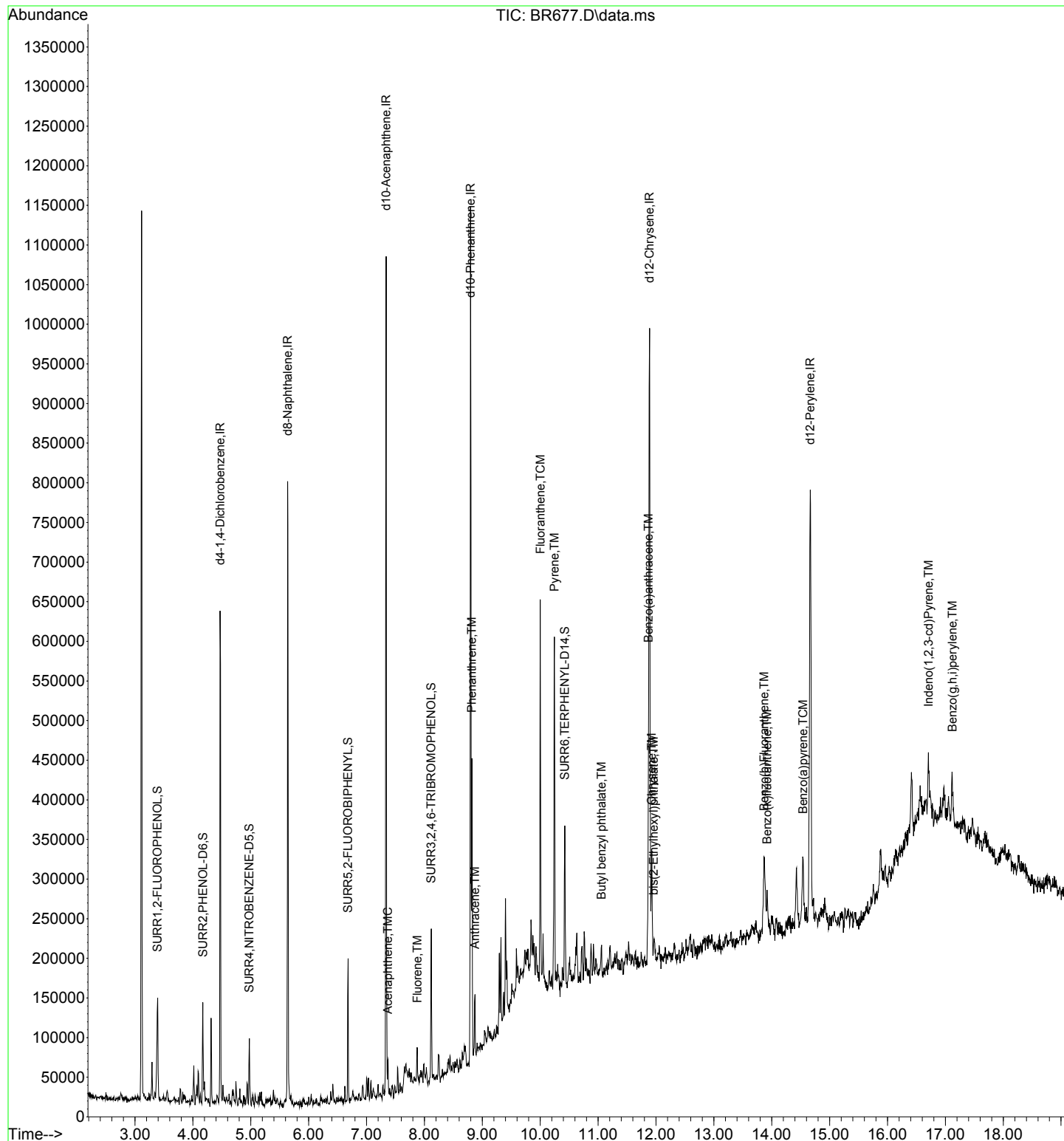
Quant Time: May 08 11:01:32 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

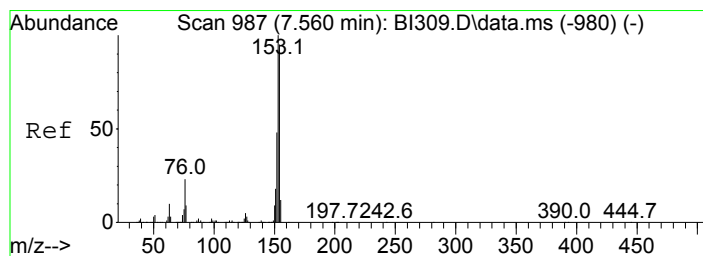
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	86126	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	317750	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	185277	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	338046	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	351019	40.00	ppm	0.00
135) d12-Perylene	14.665	264	371924	40.00	ppm	0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.390	112	32882	10.85	ppm	0.00
Spiked Amount 200.000	Range 10 - 88		Recovery =	5.42%#		
12) SURR2,PHENOL-D6	4.171	99	38277	10.18	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery =	5.09%#		
34) SURR4,NITROBENZENE-D5	4.974	82	19461	5.94	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery =	5.94%#		
63) SURR5,2-FLUOROBIPHENYL	6.680	172	45803	6.31	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery =	6.31%#		
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	19751	14.71	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery =	7.36%#		
124) SURR6,TERPHENYL-D14	10.424	244	60800	6.92	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery =	6.92%#		
Target Compounds						
						Qvalue
73) Acenaphthene	7.370	153	9977	1.450	ppm	93
83) Fluorene	7.878	166	11293	1.552	ppm	98
111) Phenanthrene	8.819	178	130303	11.891	ppm	98
112) Anthracene	8.873	178	29190	2.713	ppm	96
116) Fluoranthene	10.001	202	172966	14.380	ppm	98
123) Pyrene	10.247	202	195179	15.838	ppm	98
128) Butyl benzyl phthalate	11.060	149	10990	1.777	ppm	96
132) Benzo(a)anthracene	11.873	228	74640	6.390	ppm	98
133) Chrysene	11.927	228	71137	6.412	ppm	97
134) bis(2-Ethylhexyl)phtha...	11.964	149	16321	1.829	ppm	96
138) Benzo(b)Fluoranthene	13.868	252	80249	6.229	ppm	95
139) Benzo(k)fluoranthene	13.922	252	24527	2.040	ppm	85
140) Benzo(a)pyrene	14.542	252	64505	6.009	ppm	93
142) Indeno(1,2,3-cd)Pyrene	16.708	276	36302	3.306	ppm	81
144) Benzo(g,h,i)perylene	17.120	276	40265	4.169	ppm	95

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR677.D
Acq On : 7 May 2019 7:44 pm
Operator : JMisiurewicz
Sample : R1903954-010|3.0
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

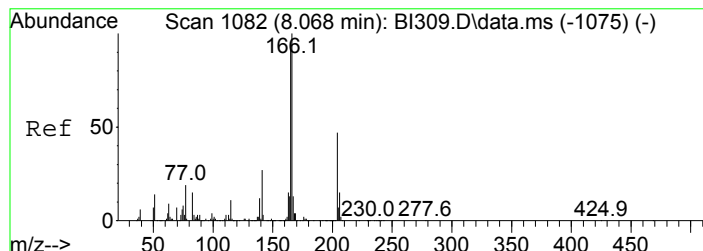
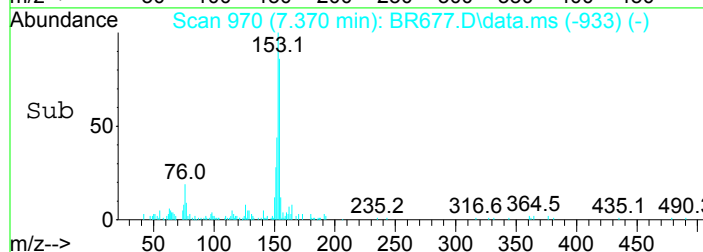
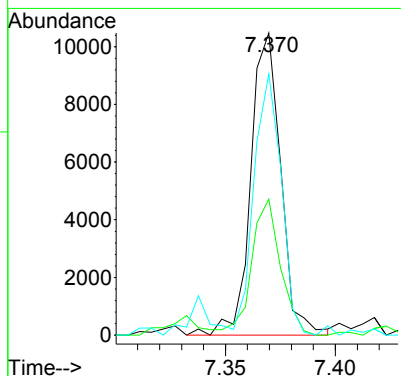
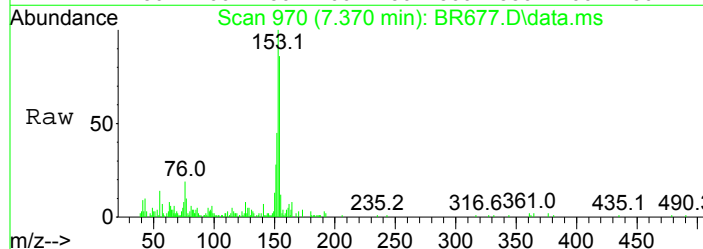
Quant Time: May 08 11:01:32 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration





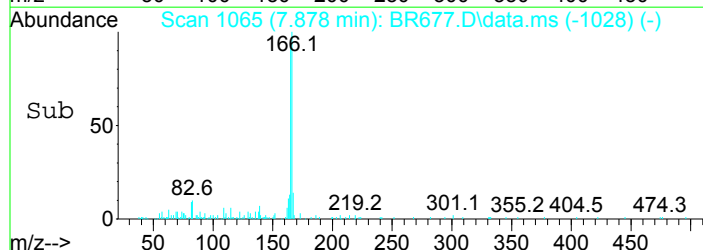
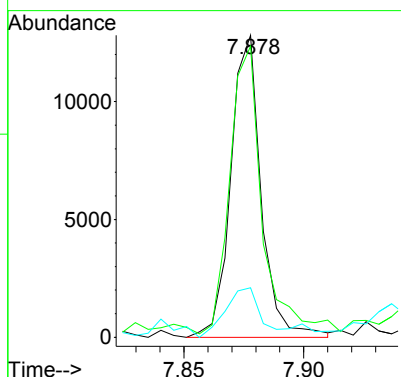
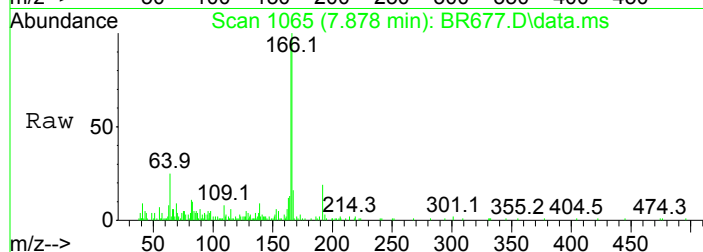
#73
 Acenaphthene
 Concen: 1.45 ppm
 RT: 7.370 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

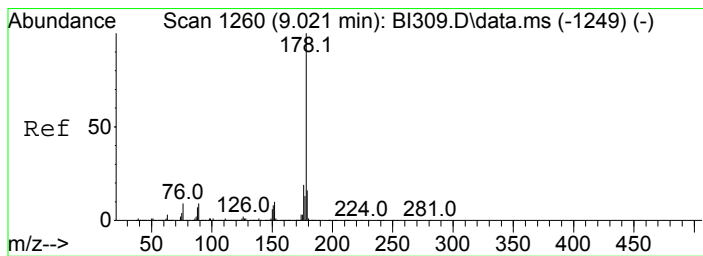
Tgt Ion	Resp	Lower	Upper
153	100		
152	42.3	27.6	67.6
154	84.5	70.1	110.1



#83
 Fluorene
 Concen: 1.55 ppm
 RT: 7.878 min Scan# 1065
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

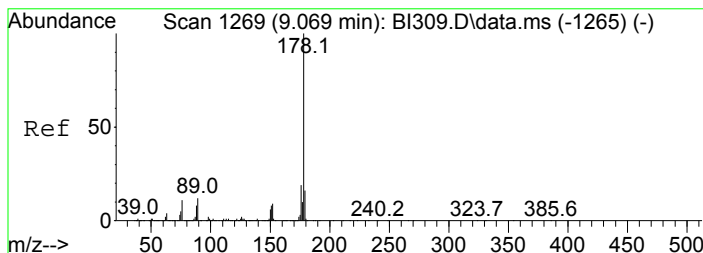
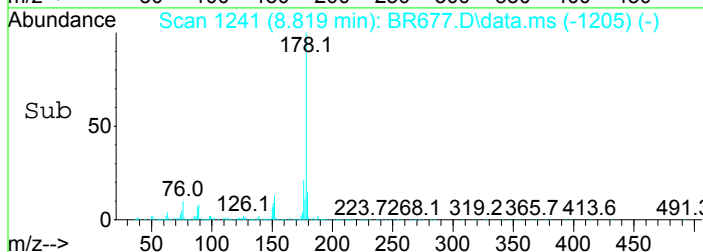
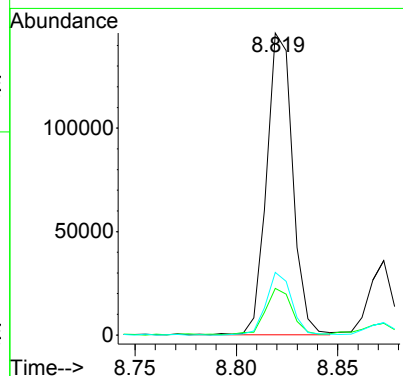
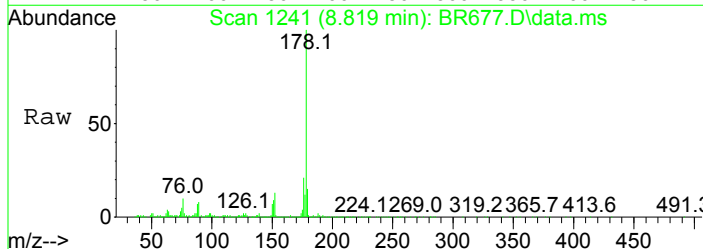
Tgt Ion	Resp	Lower	Upper
166	100		
165	92.6	65.0	125.0
167	13.6	0.0	44.3





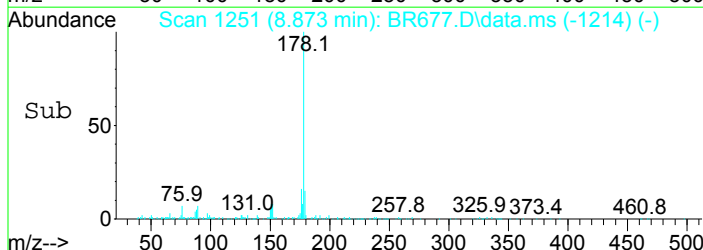
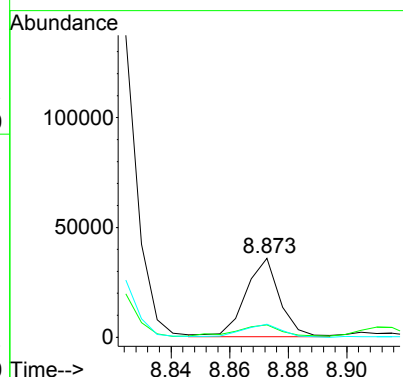
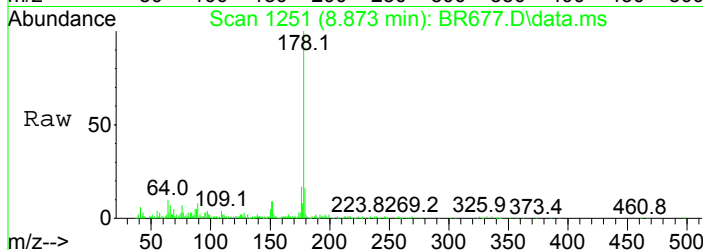
#111
 Phenanthrene
 Concen: 11.89 ppm
 RT: 8.819 min Scan# 1241
 Delta R.T. -0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

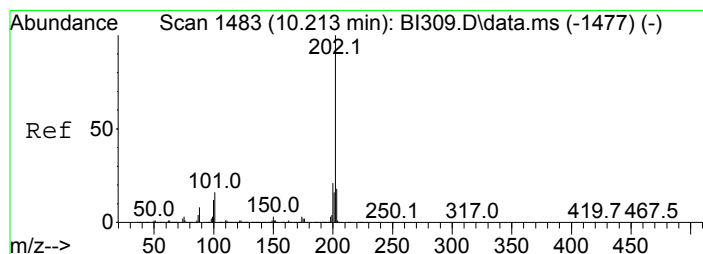
Tgt Ion	Resp	Lower	Upper
178	130303		
179	15.1	0.0	35.2
176	20.7	0.0	39.1



#112
 Anthracene
 Concen: 2.71 ppm
 RT: 8.873 min Scan# 1251
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

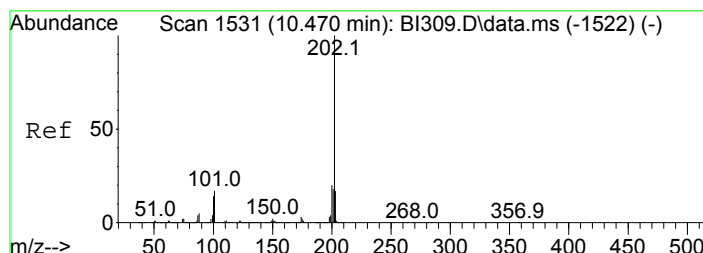
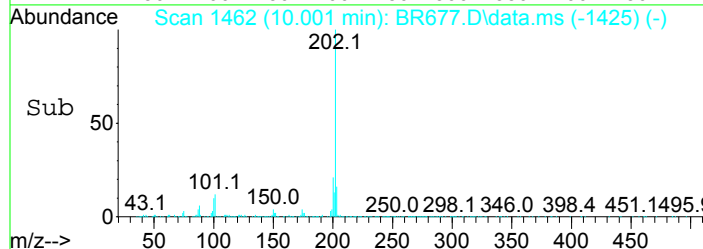
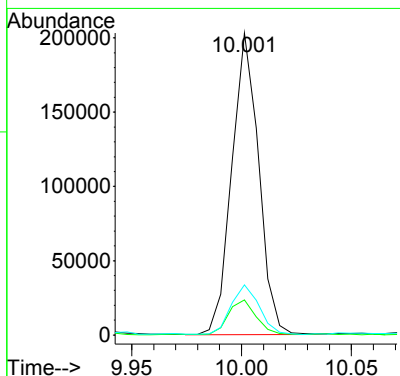
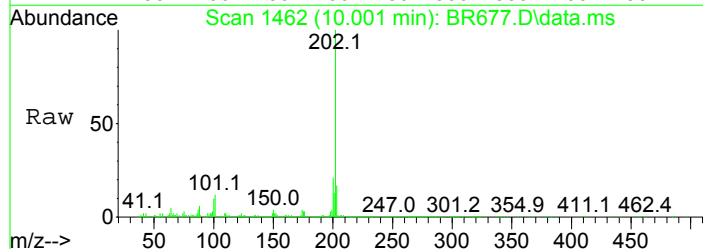
Tgt Ion	Resp	Lower	Upper
178	29190		
179	14.2	0.0	35.6
176	16.4	0.0	38.5





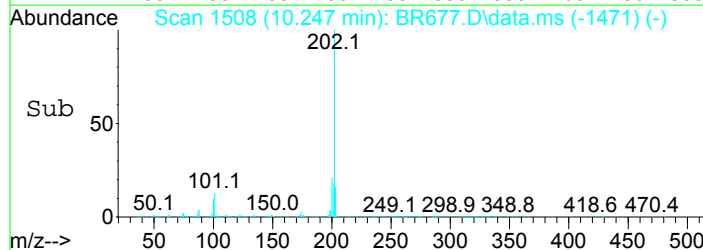
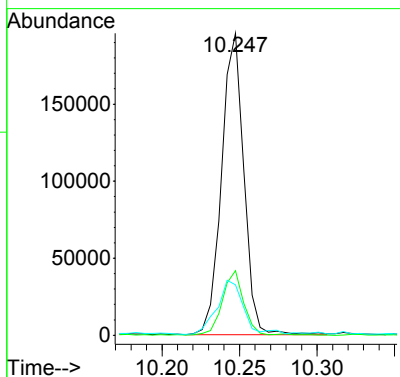
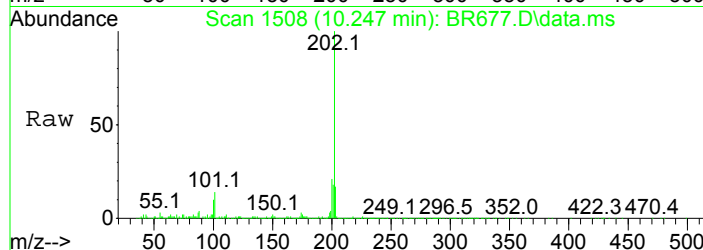
#116
 Fluoranthene
 Concen: 14.38 ppm
 RT: 10.001 min Scan# 1462
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

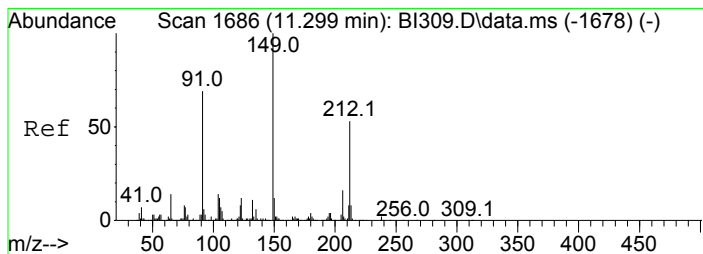
Tgt Ion	Resp	Lower	Upper
202	172966		
101	11.4	0.0	32.2
203	16.3	0.0	37.3



#123
 Pyrene
 Concen: 15.84 ppm
 RT: 10.247 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

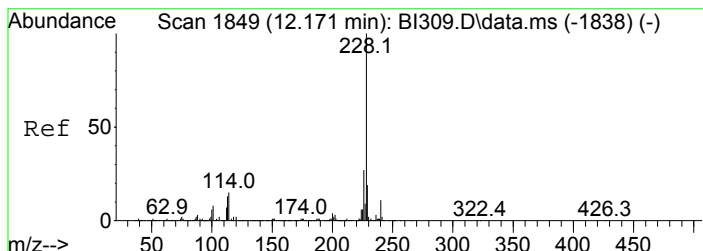
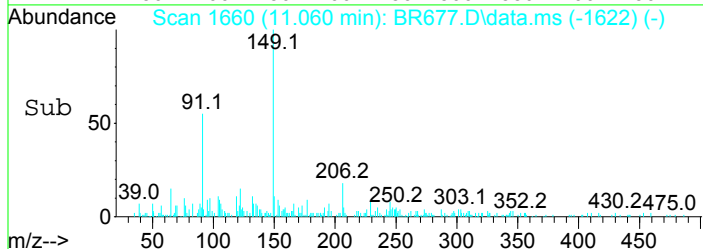
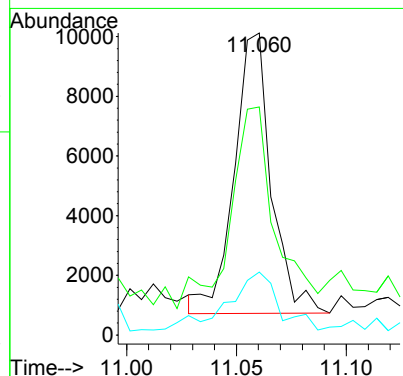
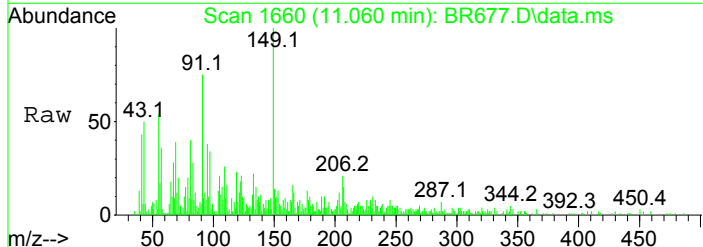
Tgt Ion	Resp	Lower	Upper
202	195179		
200	21.4	0.8	40.8
203	16.3	0.0	37.5





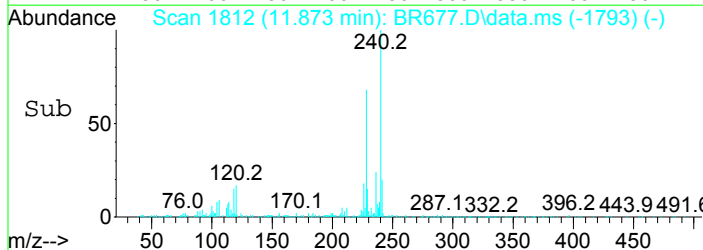
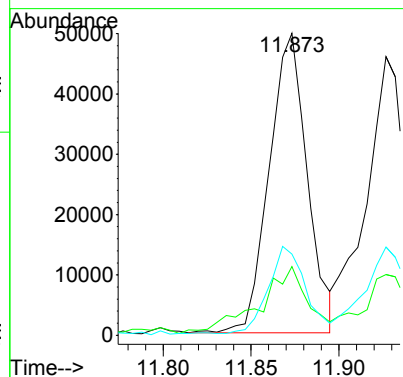
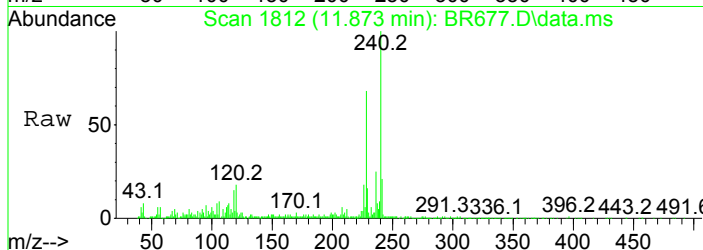
#128
 Butyl benzyl phthalate
 Concen: 1.78 ppm
 RT: 11.060 min Scan# 1660
 Delta R.T. 0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

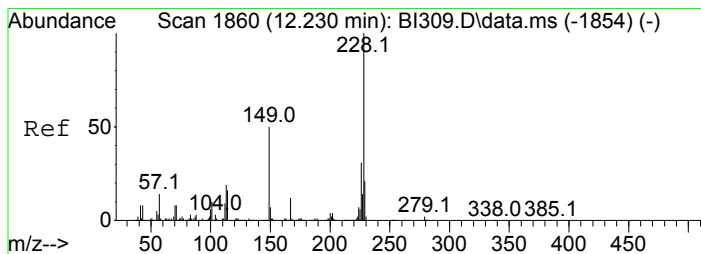
Tgt Ion	Resp	Lower	Upper
149	10990		
91	63.4	47.1	87.1
206	18.1	0.0	37.3



#132
 Benzo(a)anthracene
 Concen: 6.39 ppm
 RT: 11.873 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

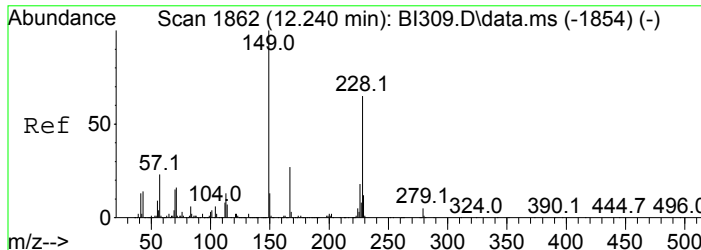
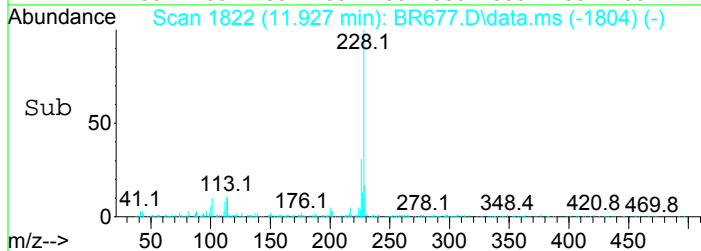
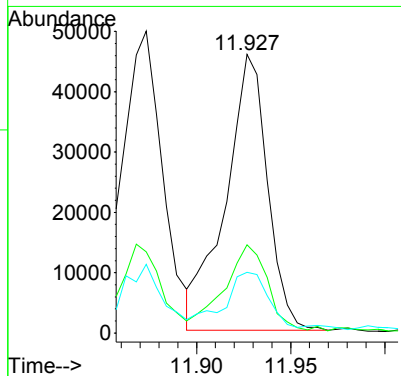
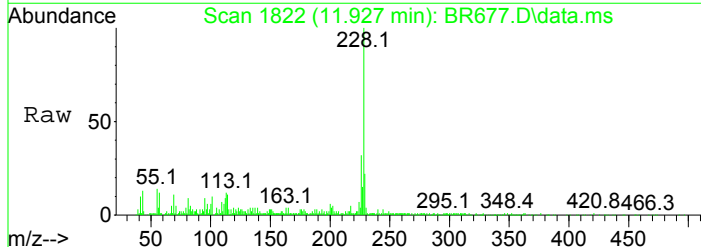
Tgt Ion	Resp	Lower	Upper
228	74640		
229	21.2	0.0	39.4
226	26.7	6.5	46.5





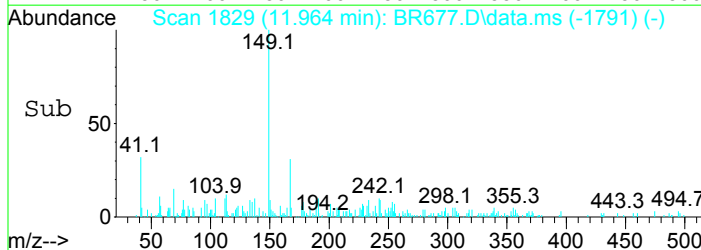
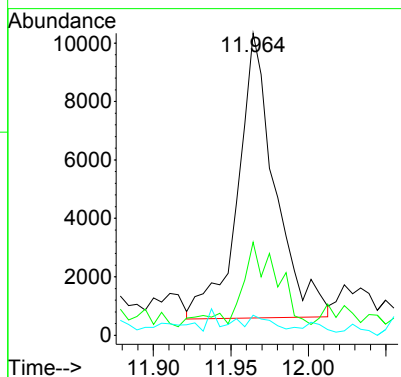
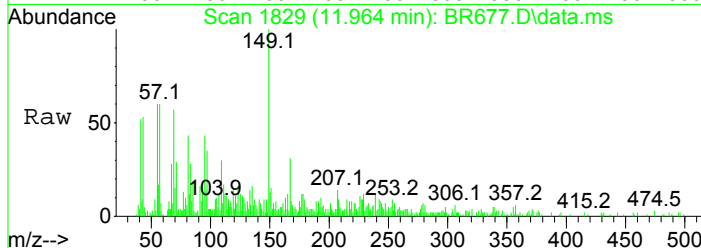
#133
 Chrysene
 Concen: 6.41 ppm
 RT: 11.927 min Scan# 1822
 Delta R.T. -0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

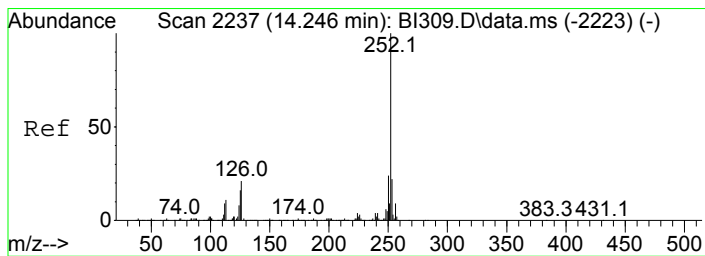
Tgt Ion	Resp	Lower	Upper
228	100		
226	31.8	9.5	49.5
229	19.8	0.0	40.0



#134
 bis(2-Ethylhexyl)phthalate
 Concen: 1.83 ppm
 RT: 11.964 min Scan# 1829
 Delta R.T. 0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

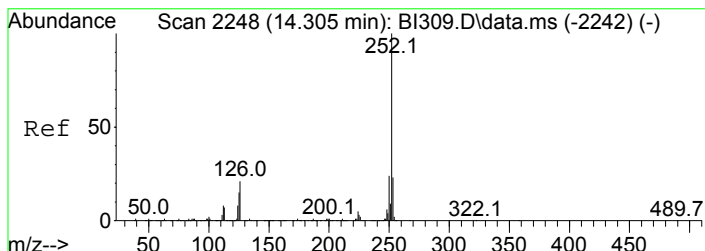
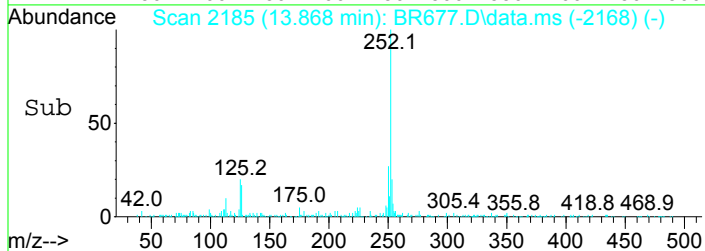
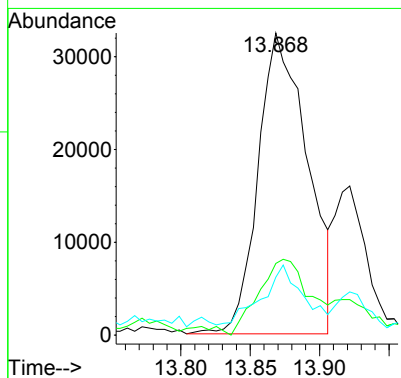
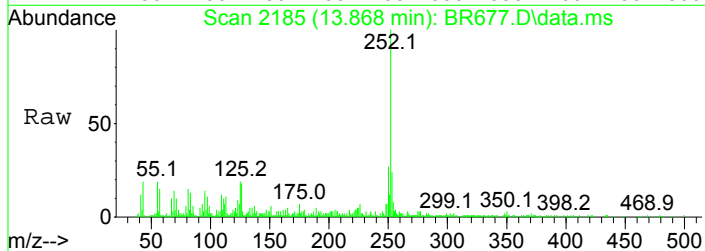
Tgt Ion	Resp	Lower	Upper
149	100		
167	24.9	6.8	46.8
279	6.9	0.0	24.7





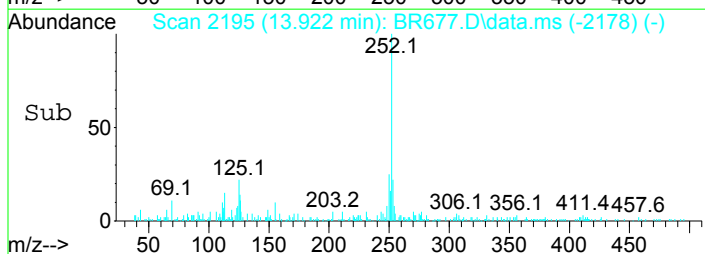
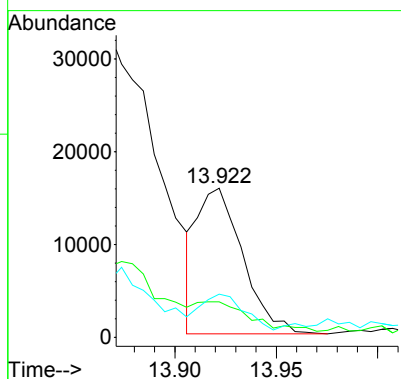
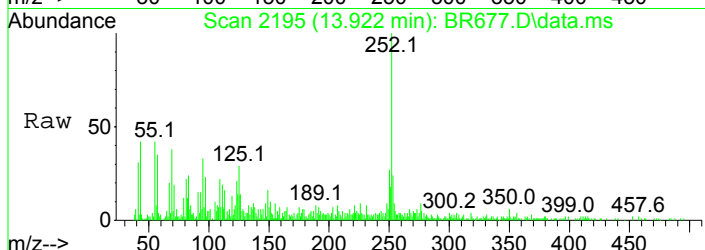
#138
 Benzo(b)Fluoranthene
 Concen: 6.23 ppm
 RT: 13.868 min Scan# 2185
 Delta R.T. -0.011 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

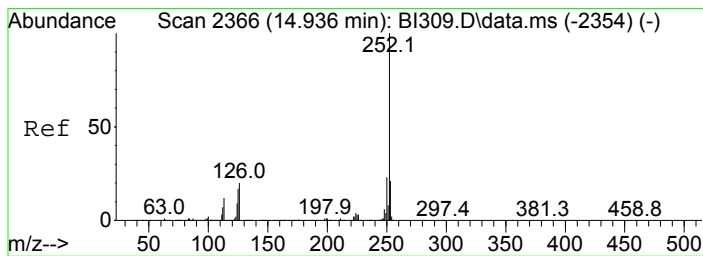
Tgt Ion	Resp	Lower	Upper
252	100		
253	21.4	3.9	43.9
125	17.4	0.0	35.4



#139
 Benzo(k)fluoranthene
 Concen: 2.04 ppm
 RT: 13.922 min Scan# 2195
 Delta R.T. -0.011 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

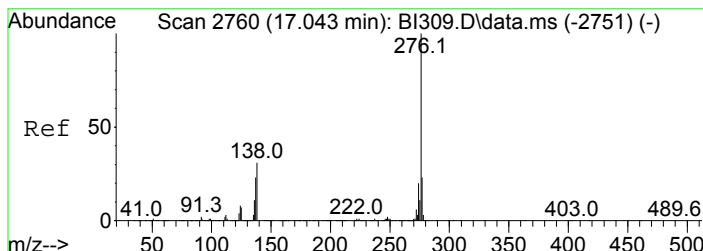
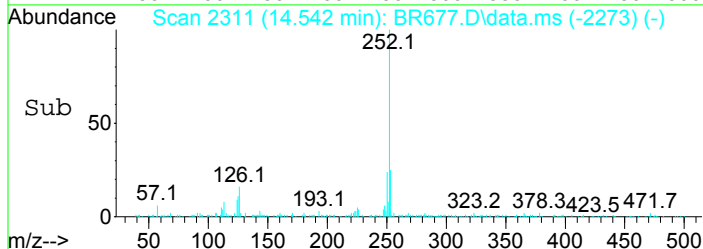
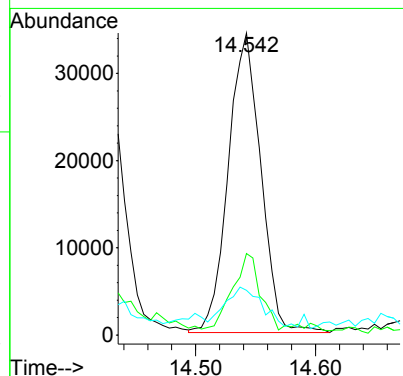
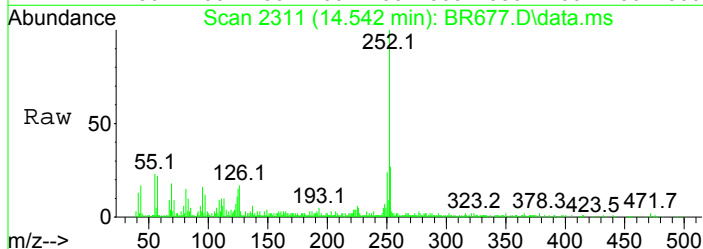
Tgt Ion	Resp	Lower	Upper
252	100		
253	18.0	1.0	41.0
125	24.8	0.0	32.9





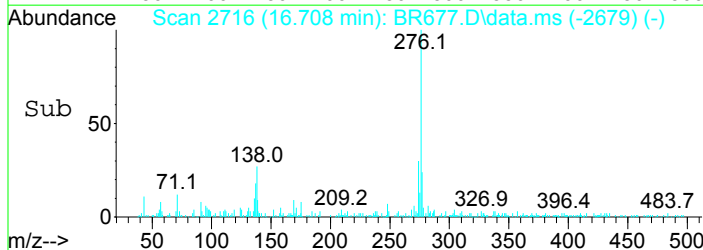
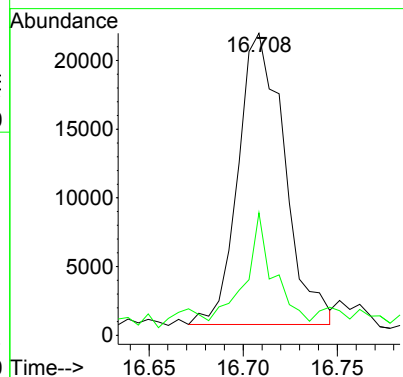
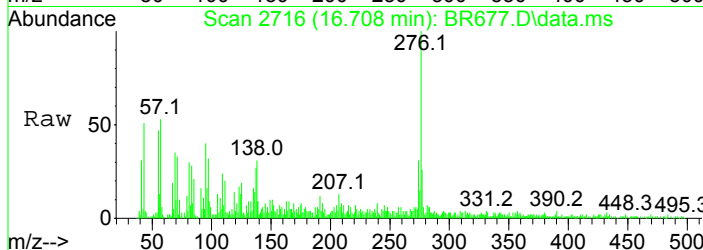
#140
 Benzo(a)pyrene
 Concen: 6.01 ppm
 RT: 14.542 min Scan# 2311
 Delta R.T. 0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

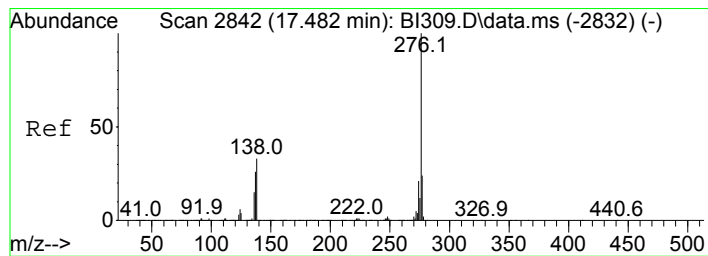
Tgt Ion	Resp	Lower	Upper
252	100		
253	25.5	2.8	42.8
125	10.1	0.0	33.6



#142
 Indeno(1,2,3-cd)Pyrene
 Concen: 3.31 ppm
 RT: 16.708 min Scan# 2716
 Delta R.T. 0.000 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

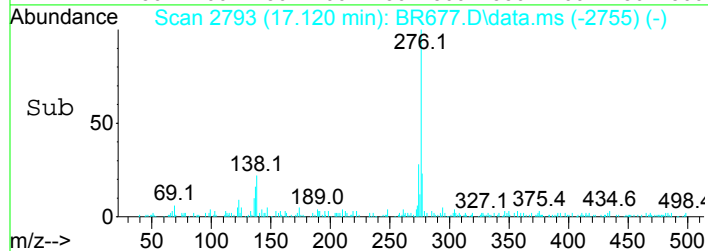
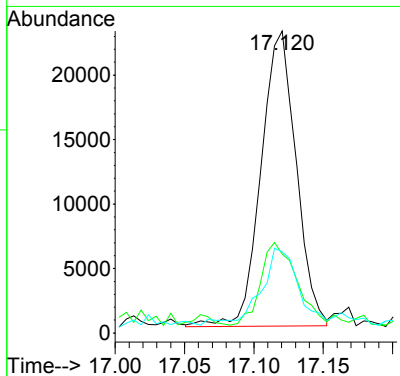
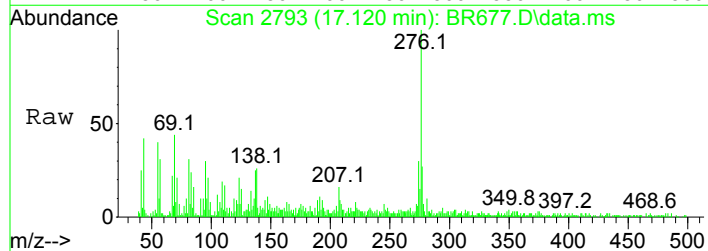
Tgt Ion	Resp	Lower	Upper
276	100		
138	33.5	4.3	44.3





#144
 Benzo(g,h,i)perylene
 Concen: 4.17 ppm
 RT: 17.120 min Scan# 2793
 Delta R.T. 0.005 min
 Lab File: BR677.D
 Acq: 7 May 2019 7:44 pm

Tgt Ion	Resp	Lower	Upper
276	100		
138	23.4	7.9	47.9
277	23.7	4.3	44.3



Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR670.D
 Acq On : 7 May 2019 4:23 pm
 Operator : JMisiurewicz
 Sample : RQ1904142-05
 Misc : 335967 8270D SOIL BLK
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 08 11:00:48 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

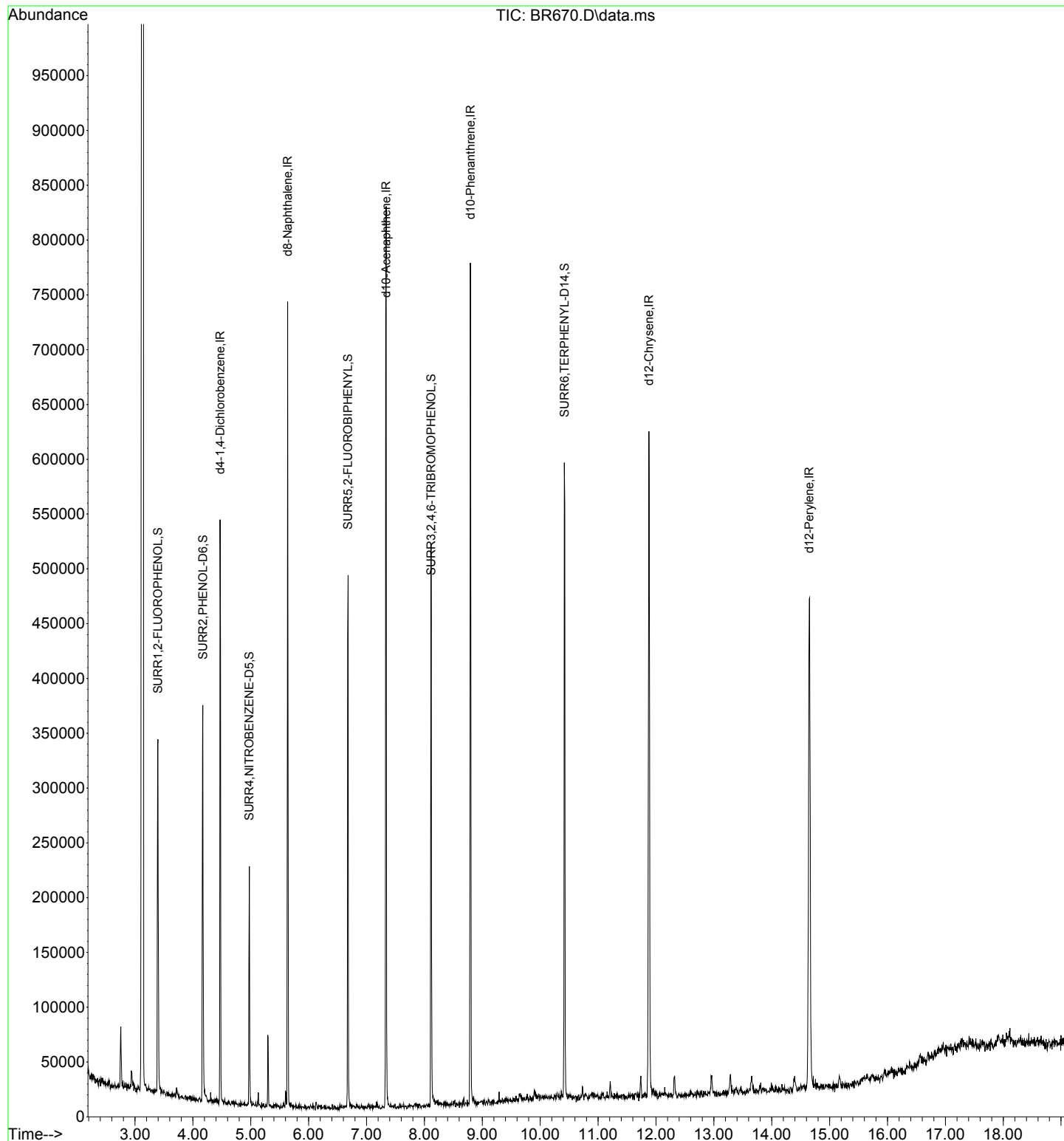
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.471	152	70521	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	261768	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	155064	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	278083	40.00	ppm	0.00
117) d12-Chrysene	11.879	240	278668	40.00	ppm	-0.01
135) d12-Perylene	14.649	264	310975	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	100474	40.50	ppm	0.01
Spiked Amount 200.000	Range 10 - 88		Recovery =			20.25%
12) SURR2,PHENOL-D6	4.171	99	123806	40.22	ppm	0.00
Spiked Amount 200.000	Range 10 - 145		Recovery =			20.11%
34) SURR4,NITROBENZENE-D5	4.974	82	54860	20.34	ppm	0.00
Spiked Amount 100.000	Range 10 - 95		Recovery =			20.34%
63) SURR5,2-FLUOROBIPHENYL	6.680	172	132543	21.81	ppm	0.00
Spiked Amount 100.000	Range 10 - 102		Recovery =			21.81%
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	56004	49.84	ppm	0.00
Spiked Amount 200.000	Range 10 - 109		Recovery =			24.92%
124) SURR6,TERPHENYL-D14	10.418	244	178003	25.51	ppm	0.00
Spiked Amount 100.000	Range 10 - 106		Recovery =			25.51%

Target Compounds Qvalue

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR670.D
Acq On : 7 May 2019 4:23 pm
Operator : JMisiurewicz
Sample : RQ1904142-05
Misc : 335967 8270D SOIL BLK
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 08 11:00:48 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS015.D
 Acq On : 13 May 2019 3:21 pm
 Operator : JMisiurewicz
 Sample : RQ1904142-01
 Misc : 335967 8270D SOIL BLK
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 06:31:29 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

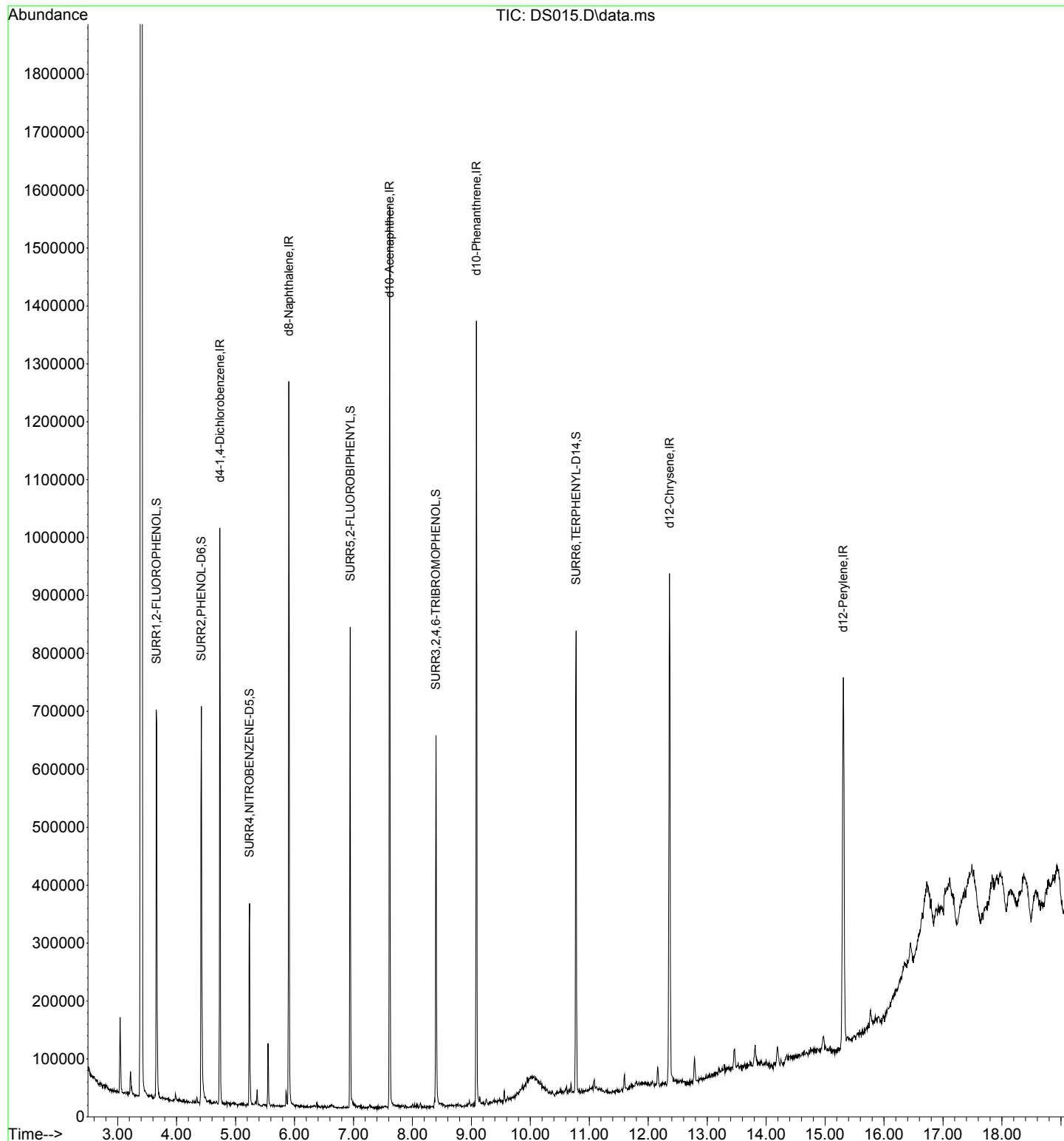
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	151117	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	570923	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	298575	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	459530	40.00	ppm	0.00
117) d12-Chrysene	12.362	240	409638	40.00	ppm	0.00
135) d12-Perylene	15.310	264	412581	40.00	ppm	0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.656	112	236434	43.01	ppm	0.00
Spiked Amount 100.000	Range 10 - 88		Recovery =	43.01%		
12) SURR2,PHENOL-D6	4.419	99	293796	43.51	ppm	0.00
Spiked Amount 100.000	Range 10 - 145		Recovery =	43.51%		
34) SURR4,NITROBENZENE-D5	5.237	82	120195	20.75	ppm	0.00
Spiked Amount 50.000	Range 10 - 95		Recovery =	41.50%		
63) SURR5,2-FLUOROBIPHENYL	6.946	172	247544	21.80	ppm	0.00
Spiked Amount 50.000	Range 10 - 102		Recovery =	43.60%		
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	68921	56.37	ppm	0.00
Spiked Amount 100.000	Range 10 - 109		Recovery =	56.37%		
124) SURR6,TERPHENYL-D14	10.775	244	263801	27.34	ppm	0.00
Spiked Amount 50.000	Range 10 - 106		Recovery =	54.68%		

Target Compounds Qvalue

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS015.D
Acq On : 13 May 2019 3:21 pm
Operator : JMisiurewicz
Sample : RQ1904142-01
Misc : 335967 8270D SOIL BLK
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 14 06:31:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR671.D
 Acq On : 7 May 2019 4:52 pm
 Operator : JMisiurewicz
 Sample : RQ1904142-06
 Misc : 335967 8270D SOIL LCS
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 11:00:53 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	75907	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	285567	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	164222	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	264991	40.00	ppm	0.00
117) d12-Chrysene	11.884	240	293072	40.00	ppm	0.00
135) d12-Perylene	14.655	264	317085	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	105591	39.54	ppm	0.01
Spiked Amount	200.000	Range	10 - 88	Recovery	=	19.77%
12) SURR2,PHENOL-D6	4.166	99	128958	38.92	ppm	0.00
Spiked Amount	200.000	Range	10 - 145	Recovery	=	19.46%
34) SURR4,NITROBENZENE-D5	4.974	82	63371	21.54	ppm	0.00
Spiked Amount	100.000	Range	10 - 95	Recovery	=	21.54%
63) SURR5,2-FLUOROBIPHENYL	6.680	172	140140	21.77	ppm	0.00
Spiked Amount	100.000	Range	10 - 102	Recovery	=	21.77%
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	59670	50.14	ppm	0.00
Spiked Amount	200.000	Range	10 - 109	Recovery	=	25.07%
124) SURR6,TERPHENYL-D14	10.418	244	177558	24.19	ppm	0.00
Spiked Amount	100.000	Range	10 - 106	Recovery	=	24.19%

Target Compounds						Qvalue
2) Pyridine	2.326	79	34398	13.215	ppm	85
3) N-Nitrosodimethylamine	2.283	74	27483	17.934	ppm	76
10) Benzaldehyde	4.102	106	40995	25.652	ppm	90
11) Aniline	4.193	93	74405	16.781	ppm	80
13) Phenol	4.182	94	75800	21.417	ppm	85
14) bis(2-Clethyl)Ether	4.241	93	54217	23.546	ppm	95
16) 2-Chlorophenol	4.300	128	64217	22.076	ppm	94
17) 1,3-Diclbzene	4.423	146	61716	19.164	ppm	93
18) 1,4-Dichlorobenzene	4.487	146	68565	20.932	ppm	95
19) 1,2-Diclbzene	4.621	146	63627	20.150	ppm	96
20) Benzyl Alcohol	4.599	79	48730	22.527	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.626	99	39998	22.278	ppm	93
22) 2,2'-oxybis(1-Chloropr...	4.706	45	64256	26.921	ppm	# 80
23) 2-Methylphenol	4.706	108	55869	22.132	ppm	95
24) 3+4-Methylphenol	4.851	108	56143	19.214	ppm	84
25) Acetophenone	4.834	105	142679	37.177	ppm	82
26) N-Nitroso-Di-n-propyla...	4.829	70	42185	20.989	ppm	85
30) Hexachloroethane	4.920	117	27647	21.068	ppm	96
32) Alpha-terpinol	5.664	121	23256	23.052	ppm	91
35) Nitrobenzene	4.990	77	68398	22.837	ppm	98
37) Isophorone	5.209	82	114013	22.500	ppm	97
38) 2-Nitrophenol	5.284	139	32818	20.784	ppm	88
39) Benzoic Acid	5.412	105	18810	10.832	ppm	88
40) 2,4-Dimethylphenol	5.332	107	69609	24.234	ppm	96
41) bis(-2-Chloroethoxy)Me...	5.412	93	70240	23.254	ppm	97
42) 2,4-Dichlorophenol	5.519	162	56849	23.548	ppm	97
44) 1,2,4-Trichlorobenzene	5.583	180	58740	21.633	ppm	95
45) Naphthalene	5.658	128	177205	20.905	ppm	99
46) 4-Chloroaniline	5.722	127	53137	15.439	ppm	94
48) Hexachlorobutadiene	5.765	225	39670	23.659	ppm	99
50) 4-Chloro-3-methylphenol	6.204	107	56434	24.341	ppm	97
52) Caprolactam	6.049	113	19070	23.875	ppm	89
55) 2-Methylnaphthalene	6.321	142	118449	20.468	ppm	93

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR671.D
 Acq On : 7 May 2019 4:52 pm
 Operator : JMisiurewicz
 Sample : RQ1904142-06
 Misc : 335967 8270D SOIL LCS
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 08 11:00:53 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.418	142	124030	22.741	ppm	97
58) Hexachlorocyclopentadiene	6.466	237	22942	15.589	ppm	97
59) 1,2,4,5-Tetrachloroben...	6.482	216	66973	23.051	ppm	100
60) 1,2,3,4-Tetrachloroben...	6.760	216	64767	21.365	ppm	95
61) 2,4,6-Trichlorophenol	6.605	196	43672	25.198	ppm	89
62) 2,4,5-Trichlorophenol	6.653	196	44012	23.173	ppm	99
65) 1,1'-Biphenyl	6.776	154	152135	20.591	ppm	98
66) 2-Chloronaphthalene	6.797	162	127087	23.458	ppm	96
67) 2-Nitroaniline	6.910	65	34433	23.885	ppm	99
69) m-Dinitrobenzene	7.124	168	24218	24.820	ppm	90
70) Acenaphthylene	7.199	152	210690	24.144	ppm	98
71) Dimethyl phthalate	7.081	163	159341	24.289	ppm	99
72) 2,6-Dinitrotoluene	7.145	165	34747	24.617	ppm	96
73) Acenaphthene	7.370	153	135614	22.232	ppm	99
74) 3-Nitroaniline	7.316	138	30656	19.723	ppm	97
75) 2,4-Dinitrophenol	7.429	184	4650	9.183	ppm	67
76) Dibenzofuran	7.536	168	187535	23.555	ppm	81
77) 2,4-Dinitrotoluene	7.541	165	46681	23.413	ppm	98
78) 4-Nitrophenol	7.525	65	26087	25.817	ppm	# 20
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33742	21.147	ppm	90
83) Fluorene	7.872	166	155613	24.122	ppm	99
84) 4-Chlorophenyl-phenyle...	7.878	204	76221	26.225	ppm	99
85) Diethylphthalate	7.771	149	160455	23.251	ppm	99
86) 4-Nitroaniline	7.915	138	38876	23.542	ppm	96
90) Octachlorocyclopentene	8.113	307	23815	18.182	ppm	95
93) 4,6-Dinitro-2-methylph...	7.942	198	15560	14.293	ppm	93
94) Diphenylamine	7.996	169	129775	29.098	ppm	100
95) 1,2 Diphenylhydrazine	8.033	77	157721	27.659	ppm	93
96) N-Nitrosodiphenylamine	7.996	169	129775	29.096	ppm	100
101) 4-Bromophenyl-phenylether	8.354	248	49727	29.991	ppm	94
102) Hexachlorobenzene	8.407	284	55756	26.440	ppm	95
104) Atrazine	8.530	215	22655	38.259	ppm	83
105) Pentachlorophenol	8.616	266	20756	18.000	ppm	96
111) Phenanthrene	8.819	178	220135	25.627	ppm	99
112) Anthracene	8.867	178	228742	27.122	ppm	99
113) Carbazole	9.039	167	223791	27.993	ppm	99
114) Di-n-butylphthalate	9.375	149	304976	27.496	ppm	97
116) Fluoranthene	9.996	202	266486	28.263	ppm	100
122) Benzidine	10.156	184	54336	10.752	ppm	95
123) Pyrene	10.242	202	275710	26.796	ppm	100
128) Butyl benzyl phthalate	11.055	149	143665	27.829	ppm	99
131) 3,3'-Dichlorobenzidine	11.847	252	93099	23.783	ppm	95
132) Benzo(a)anthracene	11.863	228	270686	27.755	ppm	99
133) Chrysene	11.927	228	267770	28.907	ppm	93
134) bis(2-Ethylhexyl)phtha...	11.959	149	201288	27.010	ppm	95
136) Di-n-octyl phthalate	13.205	149	343489	26.858	ppm	99
138) Benzo(b)Fluoranthene	13.858	252	279752	25.471	ppm	95
139) Benzo(k)fluoranthene	13.911	252	287837	28.077	ppm	99
140) Benzo(a)pyrene	14.532	252	274055	29.947	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.698	276	270711	28.913	ppm	93
143) Dibenz(a,h)anthracene	16.746	278	225911	22.651	ppm	94
144) Benzo(g,h,i)perylene	17.104	276	294754	35.797	ppm	96

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR672.D
Acq On : 7 May 2019 5:20 pm
Operator : JMisiurewicz
Sample : RQ1904142-07
Misc : 335967 8270D SOIL LCSD
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 11:00:59 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.471	152	72086	40.00	ppm	0.00	
33) d8-Naphthalene	5.637	136	267482	40.00	ppm	0.00	
57) d10-Acenaphthene	7.338	164	155022	40.00	ppm	0.00	
91) d10-Phenanthrene	8.798	188	254435	40.00	ppm	0.00	
117) d12-Chrysene	11.884	240	287953	40.00	ppm	0.00	
135) d12-Perylene	14.649	264	307760	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.390	112	90906	35.85	ppm	0.00	
Spiked Amount	200.000	Range 10	- 88	Recovery	=	17.93%	
12) SURR2,PHENOL-D6	4.166	99	106048	33.70	ppm	0.00	
Spiked Amount	200.000	Range 10	- 145	Recovery	=	16.85%	
34) SURR4,NITROBENZENE-D5	4.974	82	52059	18.89	ppm	0.00	
Spiked Amount	100.000	Range 10	- 95	Recovery	=	18.89%	
63) SURR5,2-FLUOROBIPHENYL	6.680	172	123039	20.25	ppm	0.00	
Spiked Amount	100.000	Range 10	- 102	Recovery	=	20.25%	
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	55179	49.12	ppm	0.00	
Spiked Amount	200.000	Range 10	- 109	Recovery	=	24.56%	
124) SURR6,TERPHENYL-D14	10.424	244	178922	24.81	ppm	0.00	
Spiked Amount	100.000	Range 10	- 106	Recovery	=	24.81%	
Target Compounds							
							Qvalue
2) Pyridine	2.326	79	30117	12.184	ppm		95
3) N-Nitrosodimethylamine	2.278	74	24230	16.650	ppm		89
10) Benzaldehyde	4.102	106	36566	24.093	ppm		93
11) Aniline	4.193	93	66647	15.828	ppm		77
13) Phenol	4.182	94	64208	19.104	ppm		78
14) bis(2-Clethyl)Ether	4.241	93	42969	19.650	ppm		96
16) 2-Chlorophenol	4.300	128	51222	18.542	ppm		96
17) 1,3-Diclbzene	4.423	146	52888	17.294	ppm		97
18) 1,4-Dichlorobenzene	4.487	146	54779	17.610	ppm		95
19) 1,2-Diclbzene	4.621	146	55025	18.349	ppm		96
20) Benzyl Alcohol	4.599	79	39563	19.259	ppm		89
21) 1-Methyl-2-pyrrolidinone	4.621	99	38273	22.447	ppm	#	79
22) 2,2'-oxybis(1-Chloropr...	4.706	45	52396	23.115	ppm	#	84
23) 2-Methylphenol	4.706	108	44566	18.591	ppm		92
24) 3+4-Methylphenol	4.851	108	47081	16.967	ppm		82
25) Acetophenone	4.834	105	119411	32.763	ppm		80
26) N-Nitroso-Di-n-propyla...	4.829	70	33690	17.650	ppm		85
30) Hexachloroethane	4.920	117	22987	18.445	ppm		91
32) Alpha-terpinol	5.664	121	20122	21.003	ppm		89
35) Nitrobenzene	4.990	77	55548	19.801	ppm		100
37) Isophorone	5.209	82	97482	20.539	ppm		98
38) 2-Nitrophenol	5.284	139	28562	19.311	ppm		79
39) Benzoic Acid	5.412	105	17974	11.051	ppm		95
40) 2,4-Dimethylphenol	5.332	107	59960	22.286	ppm		99
41) bis(-2-Chloroethoxy)Me...	5.412	93	58500	20.676	ppm		97
42) 2,4-Dichlorophenol	5.519	162	47703	21.096	ppm		92
44) 1,2,4-Trichlorobenzene	5.583	180	50425	19.827	ppm		97
45) Naphthalene	5.658	128	146315	18.428	ppm		96
46) 4-Chloroaniline	5.722	127	59356	18.412	ppm		99
48) Hexachlorobutadiene	5.765	225	35262	22.452	ppm		98
50) 4-Chloro-3-methylphenol	6.204	107	50954	23.464	ppm		98
52) Caprolactam	6.054	113	18371	24.555	ppm	#	67
55) 2-Methylnaphthalene	6.321	142	105645	19.490	ppm		95

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR672.D
 Acq On : 7 May 2019 5:20 pm
 Operator : JMisiurewicz
 Sample : RQ1904142-07
 Misc : 335967 8270D SOIL LCSD
 ALS Vial : 12 Sample Multiplier: 1

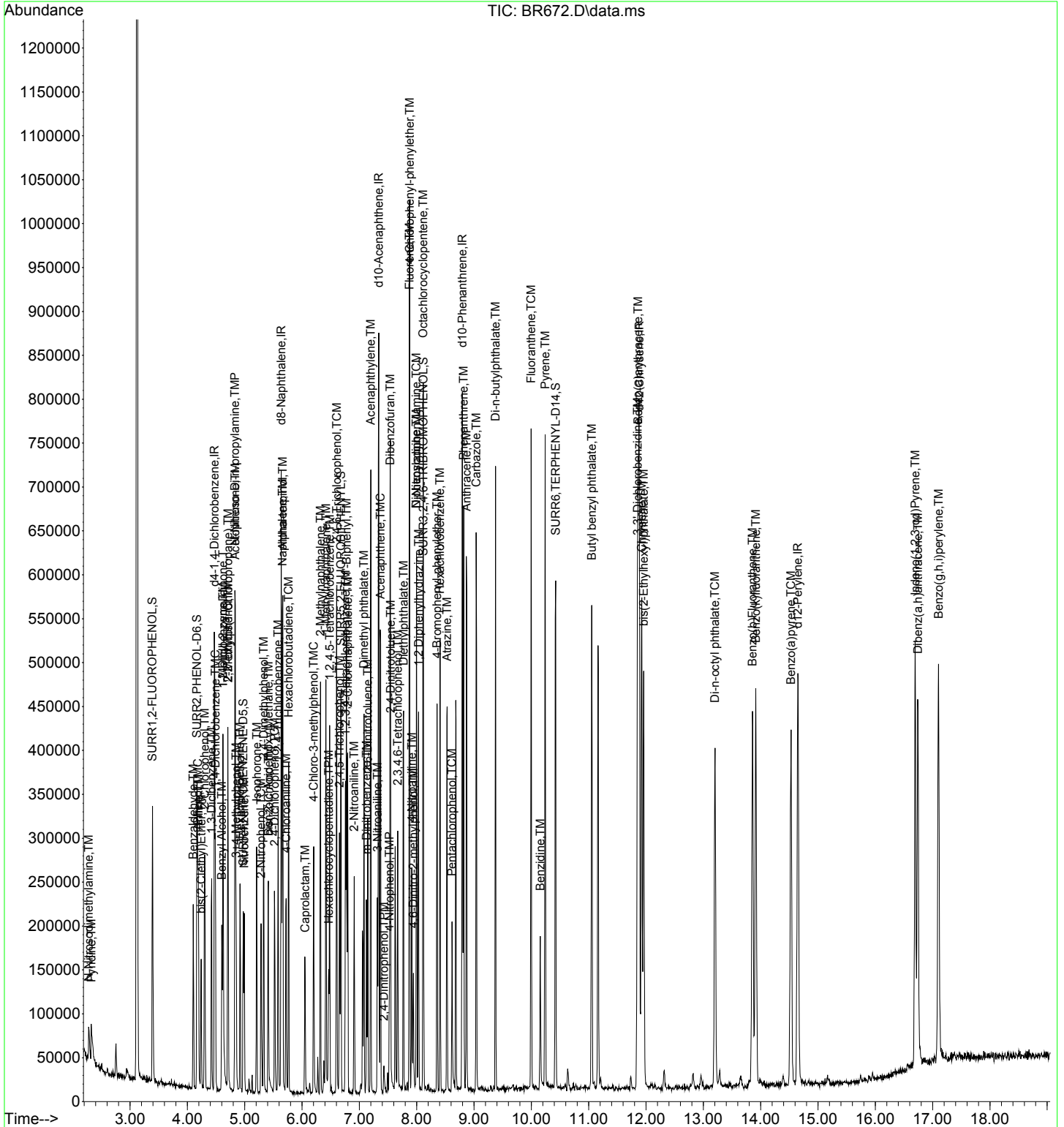
Quant Time: May 08 11:00:59 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.418	142	107199	20.984	ppm	96
58) Hexachlorocyclopentadiene	6.466	237	19005	13.873	ppm	91
59) 1,2,4,5-Tetrachloroben...	6.482	216	54808	19.984	ppm	90
60) 1,2,3,4-Tetrachloroben...	6.760	216	56427	19.718	ppm	98
61) 2,4,6-Trichlorophenol	6.605	196	36484	22.300	ppm	97
62) 2,4,5-Trichlorophenol	6.653	196	38305	21.365	ppm	93
65) 1,1'-Biphenyl	6.776	154	134725	19.316	ppm	97
66) 2-Chloronaphthalene	6.797	162	103664	20.270	ppm	96
67) 2-Nitroaniline	6.910	65	32373	23.789	ppm	97
69) m-Dinitrobenzene	7.124	168	22302	24.213	ppm	97
70) Acenaphthylene	7.199	152	187789	22.797	ppm	97
71) Dimethyl phthalate	7.081	163	145489	23.494	ppm	99
72) 2,6-Dinitrotoluene	7.145	165	32247	24.202	ppm	91
73) Acenaphthene	7.370	153	121968	21.182	ppm	97
74) 3-Nitroaniline	7.316	138	32571	22.198	ppm	95
75) 2,4-Dinitrophenol	7.429	184	4915	9.939	ppm	76
76) Dibenzofuran	7.536	168	172713	22.981	ppm	81
77) 2,4-Dinitrotoluene	7.546	165	43546	23.137	ppm #	74
78) 4-Nitrophenol	7.525	65	28229	29.595	ppm #	40
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33698	22.372	ppm	96
83) Fluorene	7.872	166	143299	23.531	ppm	100
84) 4-Chlorophenyl-phenyle...	7.878	204	66869	24.373	ppm	98
85) Diethylphthalate	7.771	149	150461	23.097	ppm	100
86) 4-Nitroaniline	7.915	138	38507	24.702	ppm	96
90) Octachlorocyclopentene	8.113	307	23616	19.100	ppm	96
93) 4,6-Dinitro-2-methylph...	7.942	198	18012	17.231	ppm	89
94) Diphenylamine	7.996	169	127278	29.722	ppm	98
95) 1,2 Diphenylhydrazine	8.033	77	149775	27.356	ppm	97
96) N-Nitrosodiphenylamine	7.996	169	127278	29.720	ppm	98
101) 4-Bromophenyl-phenylether	8.354	248	44403	27.891	ppm	94
102) Hexachlorobenzene	8.407	284	55213	27.268	ppm	93
104) Atrazine	8.530	215	21044	37.013	ppm	84
105) Pentachlorophenol	8.616	266	22072	19.936	ppm	92
111) Phenanthrene	8.819	178	212555	25.771	ppm	100
112) Anthracene	8.867	178	220611	27.243	ppm	98
113) Carbazole	9.039	167	226317	29.484	ppm	99
114) Di-n-butylphthalate	9.375	149	309523	29.064	ppm	98
116) Fluoranthene	9.996	202	274224	30.291	ppm	98
122) Benzidine	10.156	184	64895	13.070	ppm	96
123) Pyrene	10.242	202	283982	28.090	ppm	98
128) Butyl benzyl phthalate	11.055	149	152195	30.006	ppm	96
131) 3,3'-Dichlorobenzidine	11.852	252	105099	27.325	ppm	99
132) Benzo(a)anthracene	11.863	228	284967	29.738	ppm	98
133) Chrysene	11.927	228	268379	29.488	ppm	99
134) bis(2-Ethylhexyl)phtha...	11.959	149	208454	28.469	ppm	91
136) Di-n-octyl phthalate	13.205	149	349221	28.134	ppm	99
138) Benzo(b)Fluoranthene	13.858	252	285599	26.792	ppm	96
139) Benzo(k)fluoranthene	13.916	252	299303	30.080	ppm	99
140) Benzo(a)pyrene	14.532	252	279390	31.455	ppm	99
142) Indeno(1,2,3-cd)Pyrene	16.698	276	280471	30.864	ppm	92
143) Dibenz(a,h)anthracene	16.741	278	245912	25.404	ppm	95
144) Benzo(g,h,i)perylene	17.104	276	297965	37.283	ppm	93

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

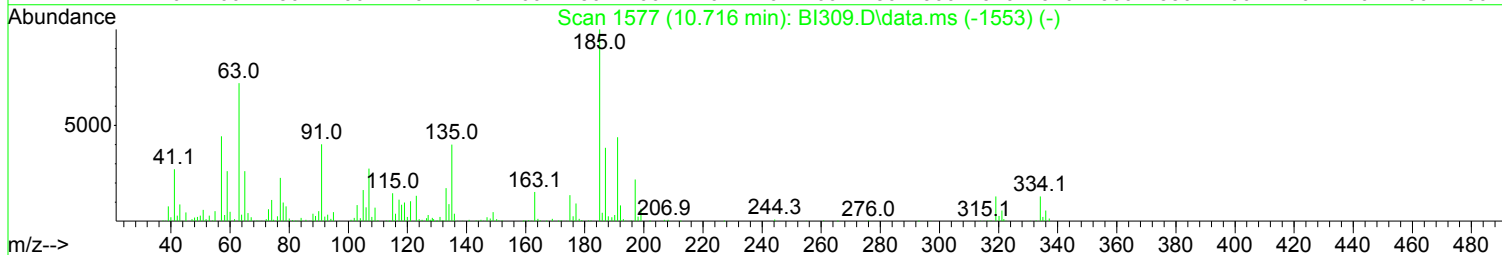
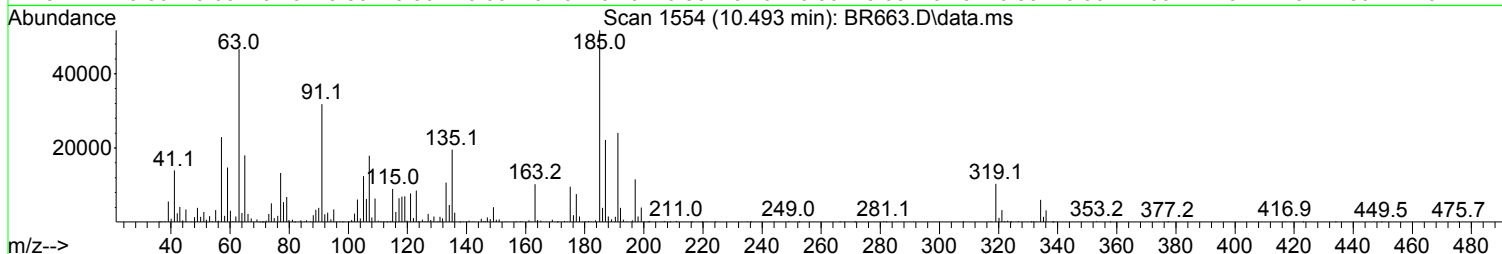
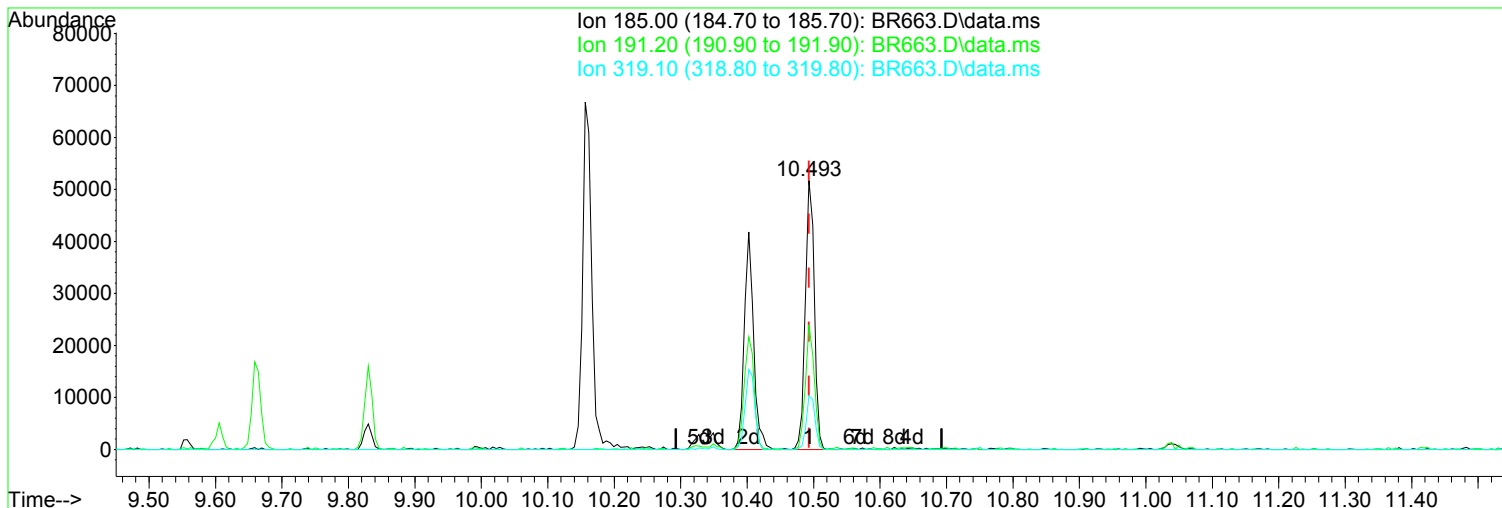
Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR672.D
Acq On : 7 May 2019 5:20 pm
Operator : JMisiurewicz
Sample : RQ1904142-07
Misc : 335967 8270D SOIL LCSD
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 11:00:59 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.493min (0.000) 78.32 ppm m

After

response 89101

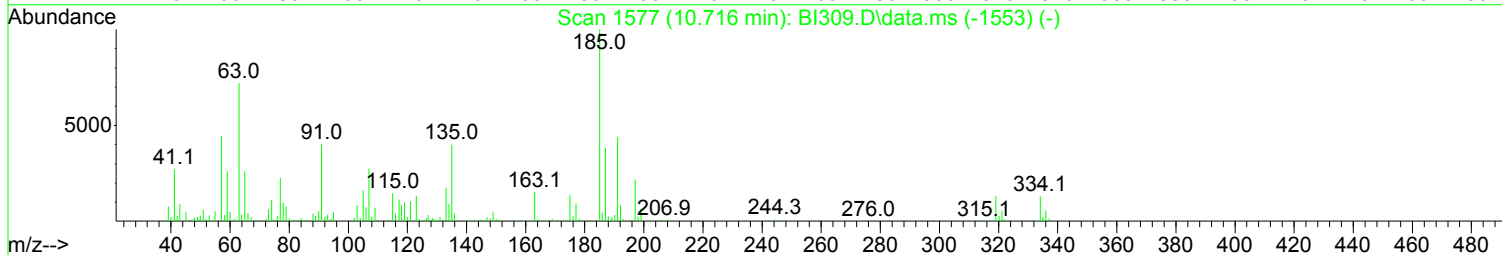
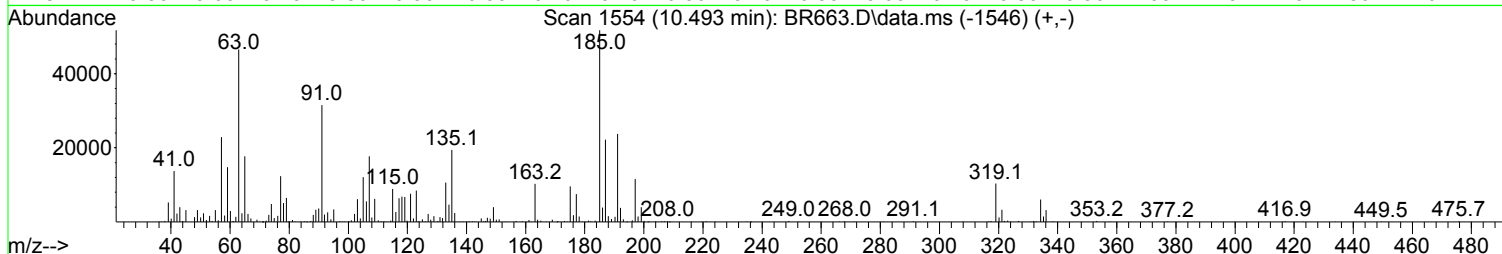
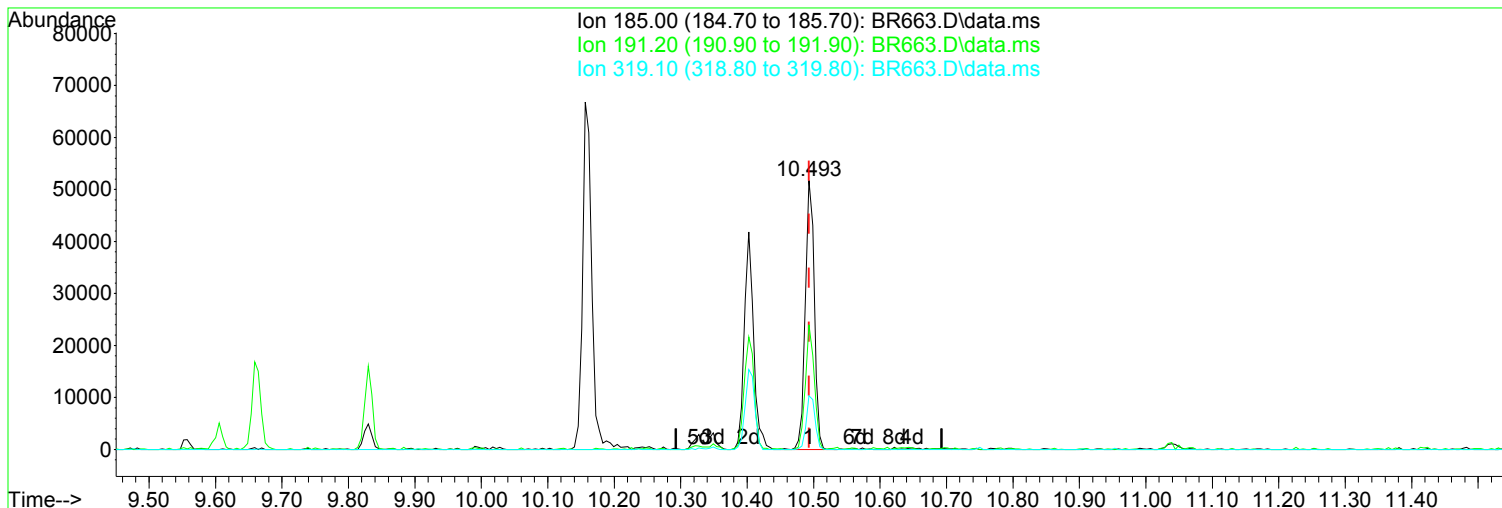
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.44
319.10	17.60	19.97
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



TIC: BR663.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.493min (0.000) 42.28 ppm

Before

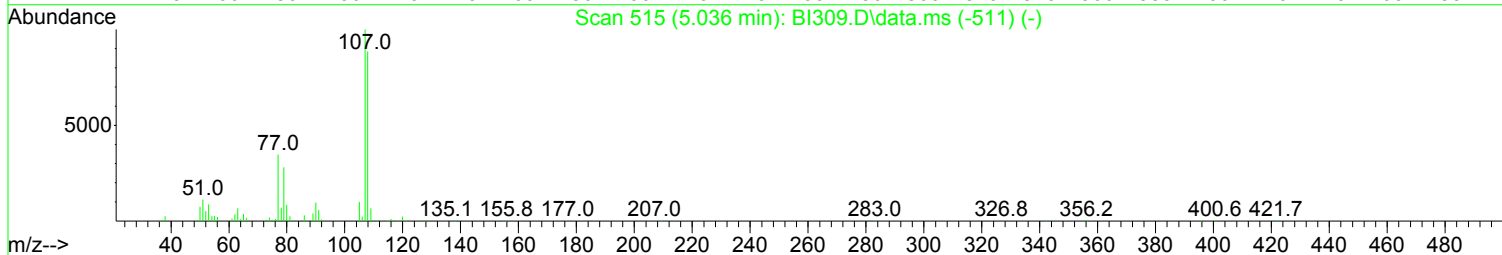
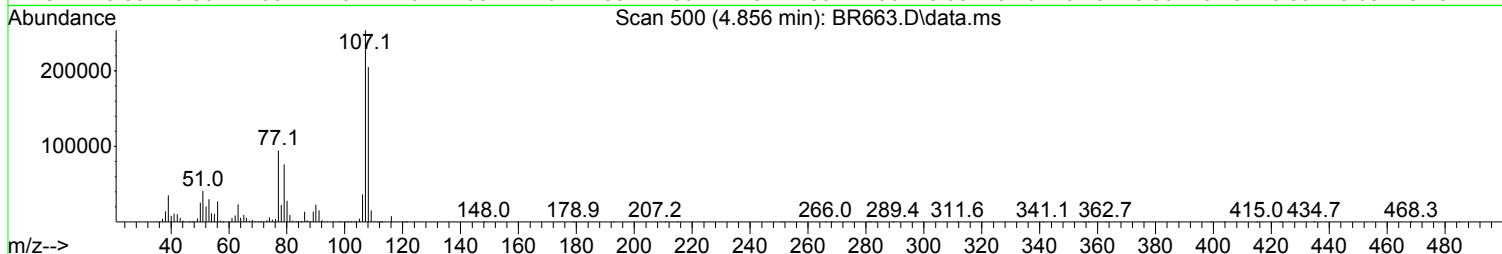
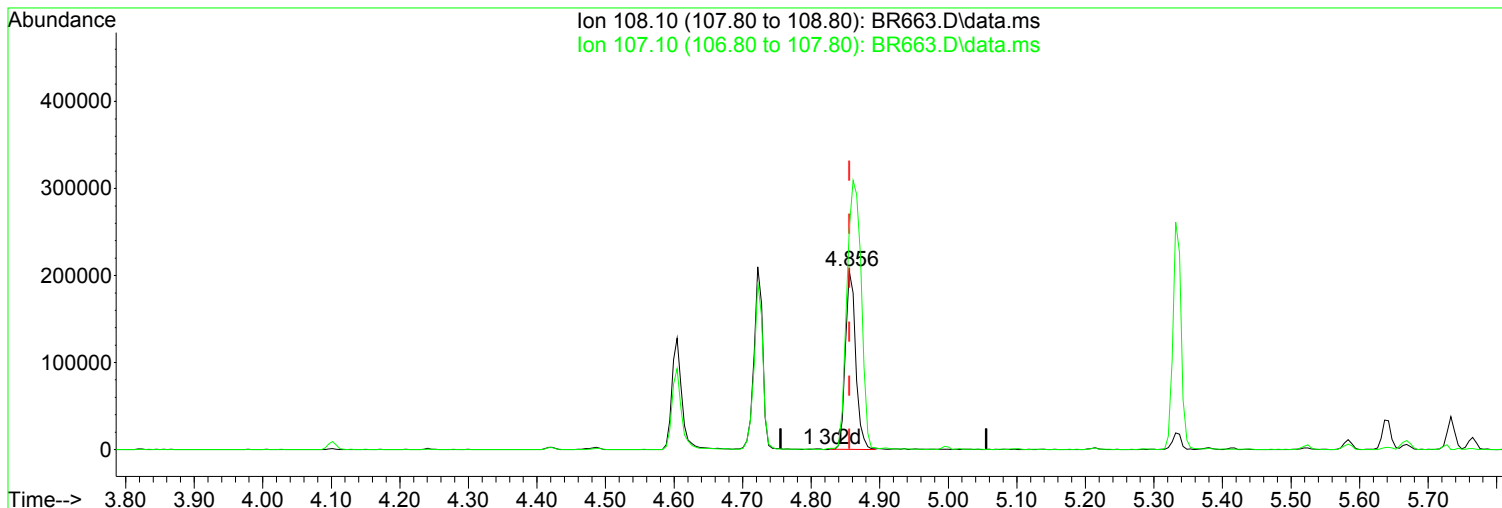
response 48097

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	45.85
319.10	17.60	19.97
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(24) 3+4-Methylphenol (TM)

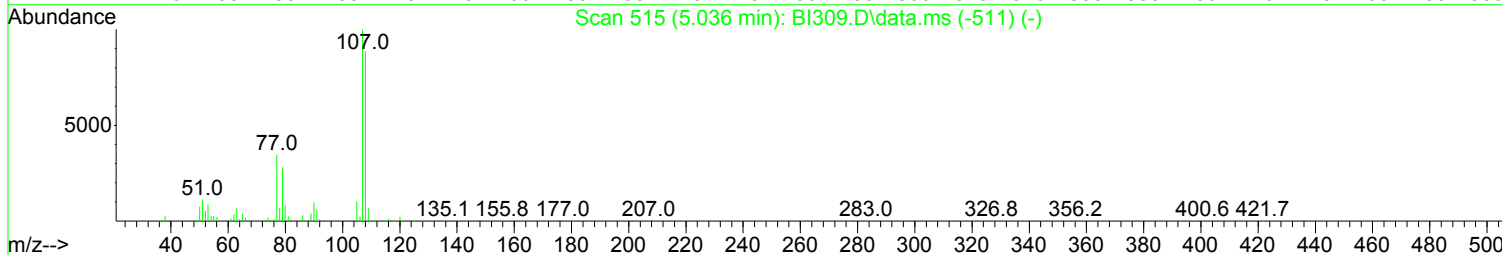
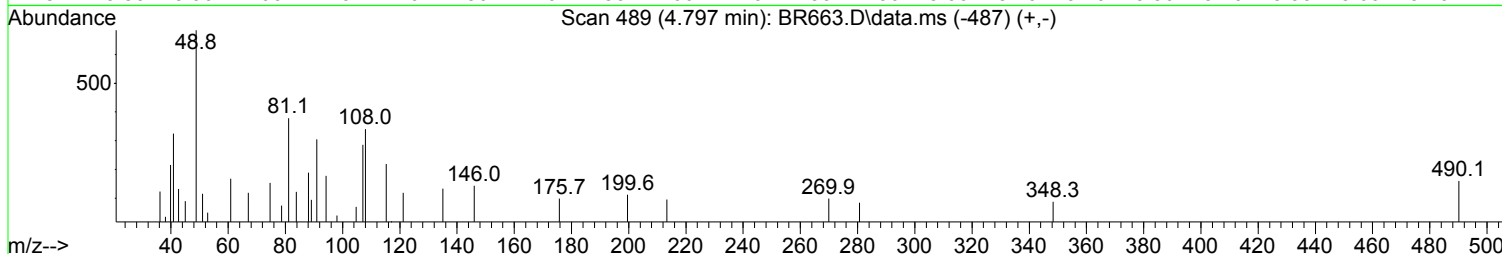
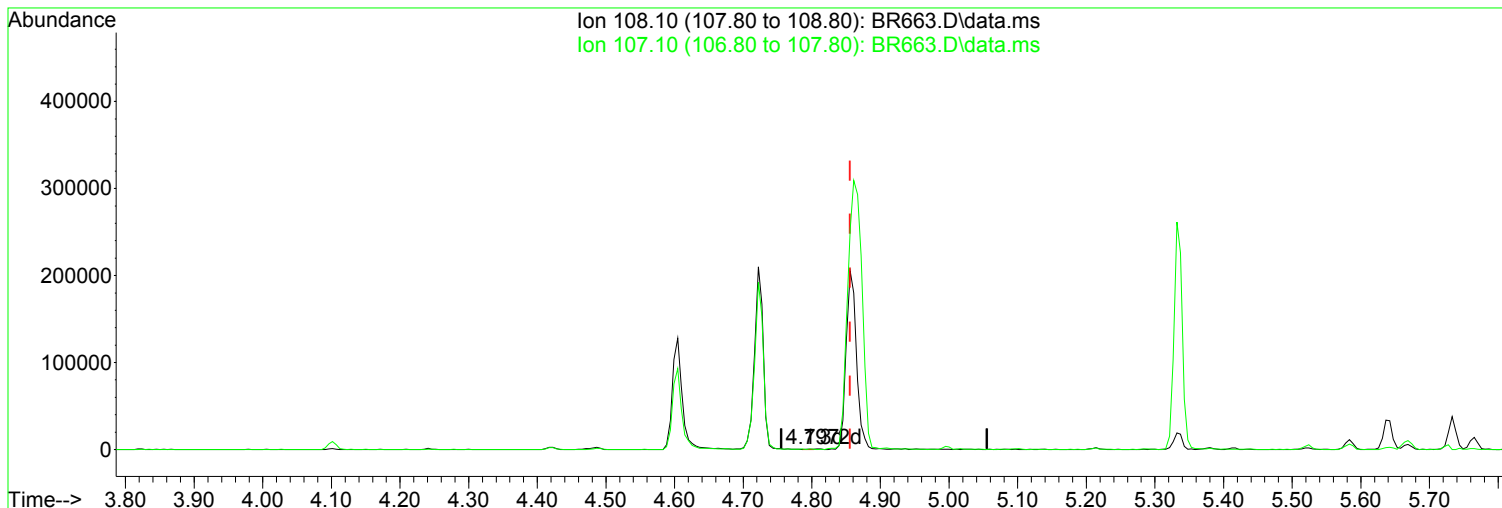
4.856min (0.000) 73.03 ppm m

response	215880
Ion	Exp% Act%
108.10	100.00 100.00
107.10	91.00 123.86#
0.00	0.00 0.00
0.00	0.00 0.00

Manual Integration:
After
Peak not found.
05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



TIC: BR663.D\data.ms

(24) 3+4-Methylphenol (TM)

Manual Integration:

4.797min (-0.059) 0.15 ppm

Before

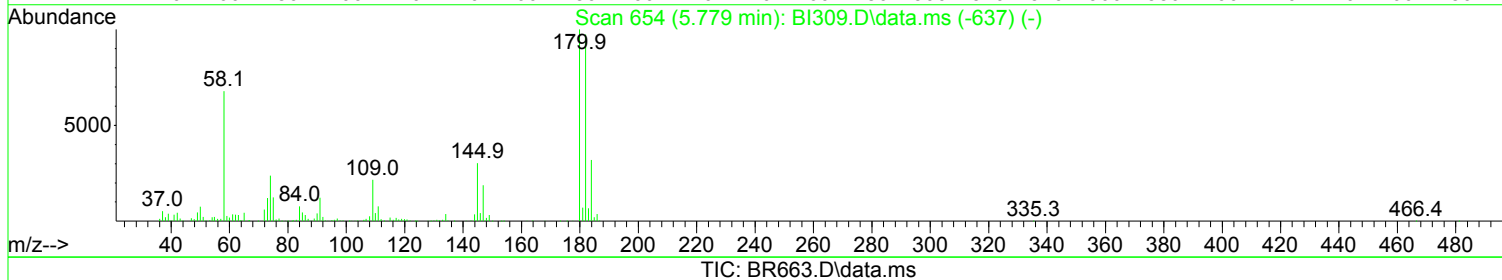
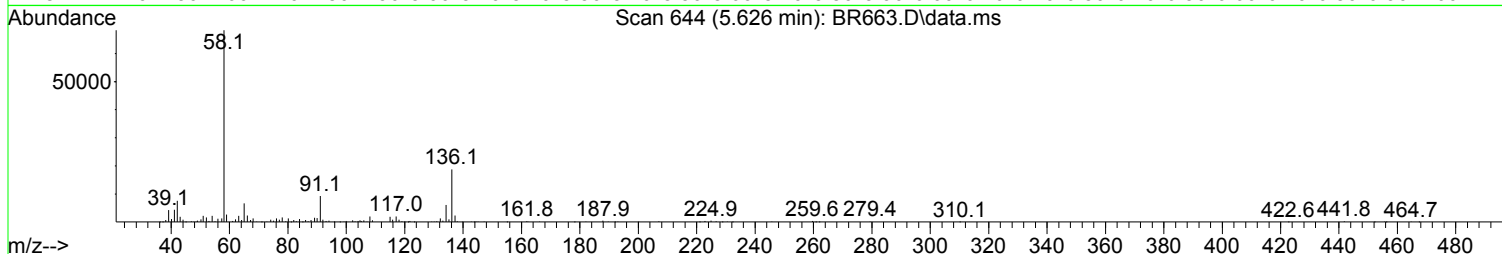
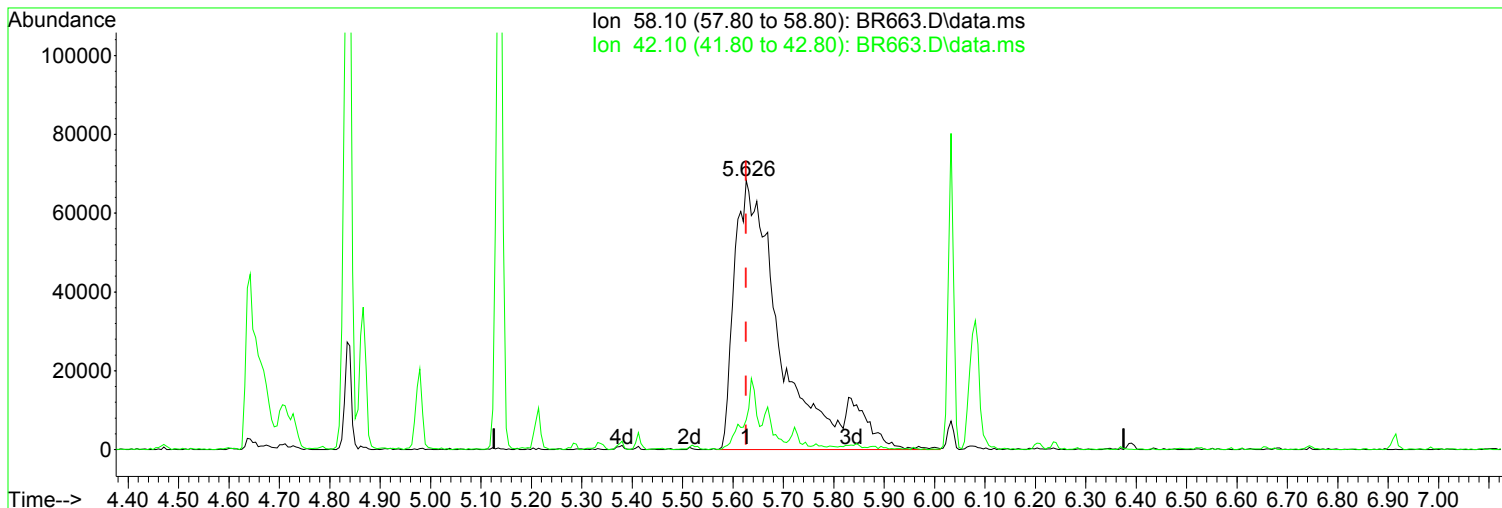
response 450

Ion	Exp%	Act%
108.10	100.00	100.00
107.10	91.00	83.89
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.626min (0.000) 81.22 ppm m

After

response 449744

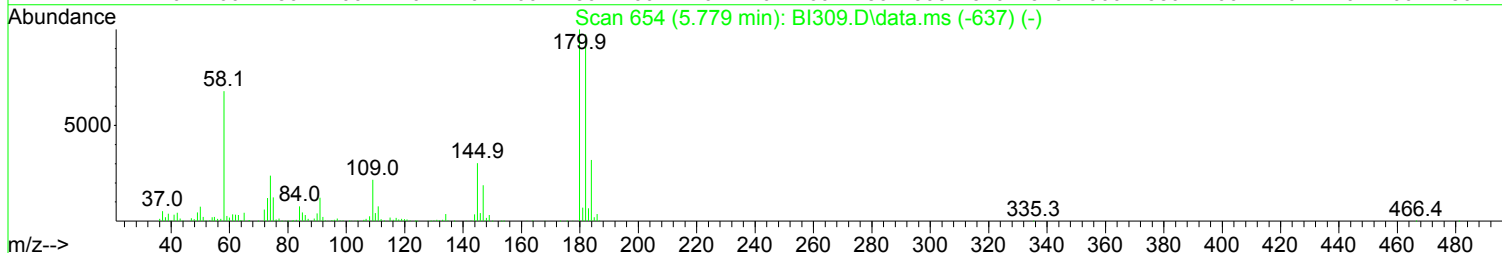
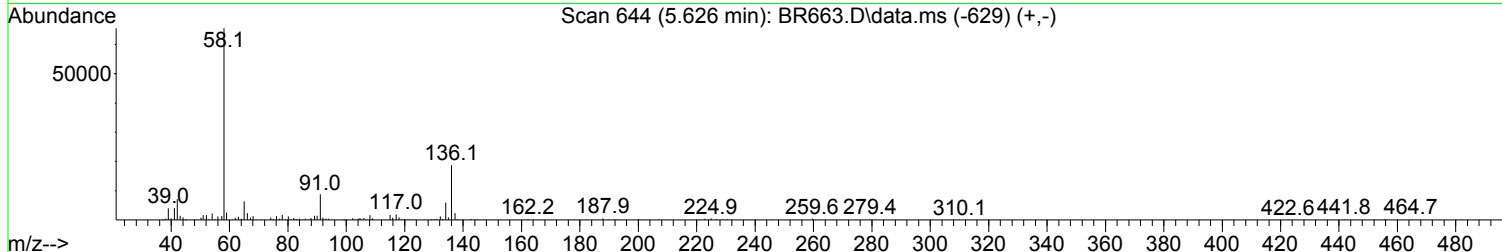
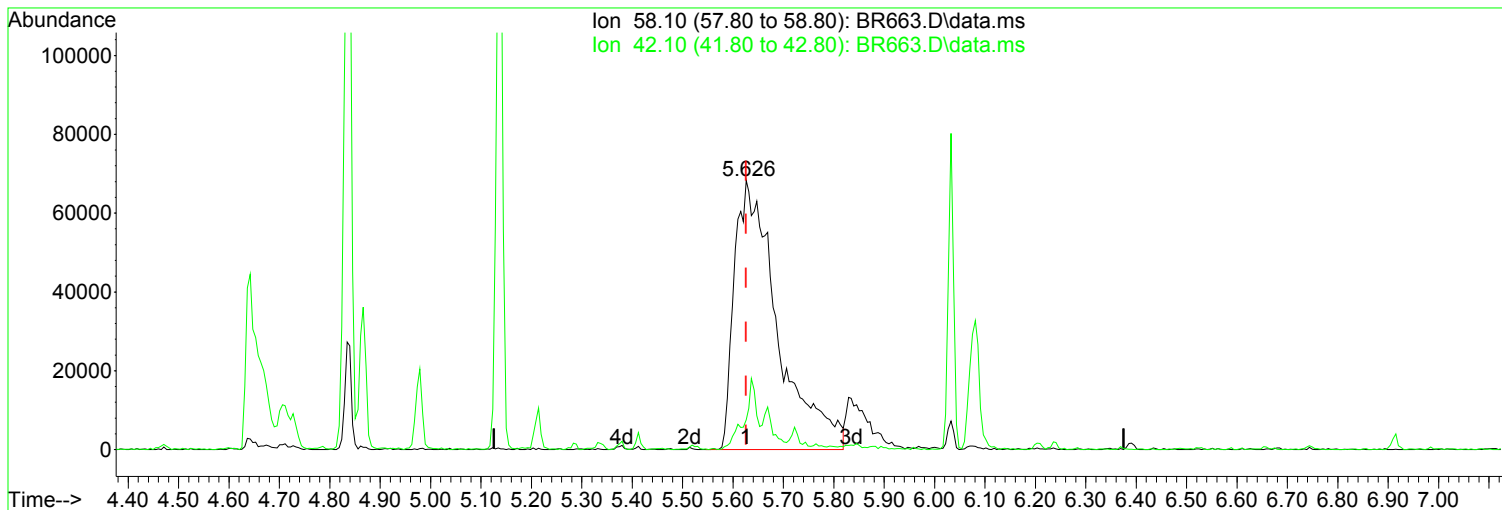
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	11.06
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR663.D
Acq On : 7 May 2019 1:01 pm
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 08 11:00:13 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 08 10:59:50 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.626min (0.000) 73.54 ppm

Before

response 407247

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.78
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUADATA\5973D\Data\050719\
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 Acq On : 7 May 2019 1:01 pm
 Operator : JMisiurewicz
 Sample : CCV
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Quant Time: May 08 11:00:13 2019
 Quant Method : I:\ACQUADATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	91	-0.04
2	TM Pyridine	1.372	1.309		4.6	85	-0.11
3	TM N-Nitrosodimethylamine	0.808	0.778		3.7	84	-0.10
4	TM 2-Picoline	1.378	1.290		6.4	82	-0.07
5	TM N-Nitrosomethylamine	0.681	0.683		-0.3	98	-0.07
6	TM Methyl Methansulfonate	0.636	0.715		-12.4	102	-0.06
7	S SURR1,2-FLUOROPHENOL	1.407	1.300		7.6	82	-0.05
8	TM N-Nitrosodiethylamine	0.631	0.581		7.9	79	-0.05
9	TM Ethyl Mathanesulfonate	1.171	1.105		5.6	85	-0.04
10	TM Benzaldehyde	0.842	0.678		19.5	71	-0.04
11	TM Aniline	2.336	2.101		10.1	80	-0.04
12	S SURR2, PHENOL-D6	1.746	1.592		8.8	81	-0.03
13	TMC Phenol	1.865	1.762		5.5	86	-0.03
14	TM bis(2-Clethyl)Ether	1.213	1.081		10.9	80	-0.04
15	TM Pentachloroethane	0.588	0.553		6.0	86	-0.04
16	TM 2-Chlorophenol	1.533	1.450		5.4	85	-0.04
17	TM 1,3-Diclbzence	1.697	1.605		5.4	85	-0.04
18	TMC 1,4-Dichlorobenzene	1.726	1.636		5.2	86	-0.04
19	TM 1,2-Diclbzence	1.664	1.579		5.1	85	-0.04
20	TM Benzyl Alcohol	1.140	1.090		4.4	84	-0.03
21	T 1-Methyl-2-pyrrolidinone	0.946	0.859		9.2	80	-0.03
22	TM 2,2'-oxybis(1-Chloropropane	1.258	1.117		11.2	81	-0.04
23	TM 2-Methylphenol	1.330	1.210		9.0	80	-0.02
24	TM 3+4-Methylphenol	1.540	1.406		8.7	79	-0.03
25	TM Acetophenone	2.022	1.872		7.4	83	-0.04
26	TMP N-Nitroso-Di-n-propylamine	1.059	1.019		3.8	87	-0.03
27	TM N-Nitrosopyrrolidine	0.747	0.688		7.9	81	-0.03
28	TM N-Nitrosomorpholine	0.787	0.758		3.7	89	-0.03
29	TM o-Toluidine	2.179	2.004		8.0	84	-0.04
30	TM Hexachloroethane	0.692	0.676		2.3	87	-0.04
31	TM o,o,o-Triethylphosphorothio	0.746	0.691		7.4	82	-0.04
32	TM Alpha-terpinol	0.532	0.518		2.6	84	-0.04
33	IR d8-Naphthalene	1.000	1.000		0.0	89	-0.04
34	S SURR4,NITROBENZENE-D5	0.412	0.408		1.0	88	-0.04
35	TM Nitrobenzene	0.420	0.391		6.9	82	-0.04
36	TM N-Nitrosopiperidine	0.238	0.237		0.4	90	-0.03
37	TM Isophorone	0.710	0.669		5.8	83	-0.03
38	TCM 2-Nitrophenol	0.221	0.205		7.2	82	-0.04
39	TM Benzoic Acid	0.243	0.072		70.4#	25#	-0.02
40	TM 2,4-Dimethylphenol	0.402	0.382		5.0	83	-0.03
41	TM bis(-2-Chloroethoxy)Methane	0.423	0.379		10.4	80	-0.04
42	TCM 2,4-Dichlorophenol	0.338	0.331		2.1	84	-0.03
43	TM a,a-Dimethylphenethylamine	0.769	0.780		-1.4	96	-0.26
44	TM 1,2,4-Trichlorobenzene	0.380	0.364		4.2	87	-0.04
45	TM Naphthalene	1.187	1.091		8.1	82	-0.04
46	TM 4-Chloroaniline	0.482	0.469		2.7	86	-0.04
47	TM 2,6-Dichlorophenol	0.358	0.353		1.4	87	-0.04
48	TCM Hexachlorobutadiene	0.235	0.242		-3.0	94	-0.04
49	TM Hexachloropropene	0.308	0.315		-2.3	91	-0.04
50	TMC 4-Chloro-3-methylphenol	0.325	0.316		2.8	85	-0.03
51	TM N-N-di-n-butylamine	0.291	0.242		16.8	81	-0.04

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 ALS Vial : 3 Sample Multiplier: 1

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 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52 TM	Caprolactam	0.112	0.098		12.5	79	-0.02
53 TM	p-Phenylenediamine	0.065	0.075		-15.4	106	-0.04
54 TM	Safrole	0.310	0.308		0.6	91	-0.04
55 TM	2-Methylnaphthalene	0.811	0.730		10.0	81	-0.04
56 TM	1-Methylnaphthalene	0.764	0.676		11.5	79	-0.04
57 IR	d10-Acenaphthene	1.000	1.000		0.0	92	-0.04
58 TPM	Hexachlorocyclopentadiene	0.368	0.323	20.7	12.2	69	-0.04
59 TM	1,2,4,5-Tetrachlorobenzene	0.708	0.673		4.9	86	-0.04
60 TM	1,2,3,4-Tetrachlorobenzene	0.738	0.725		1.8	88	-0.04
61 TCM	2,4,6-Trichlorophenol	0.422	0.398		5.7	79	-0.03
62 TM	2,4,5-Trichlorophenol	0.463	0.412		11.0	82	-0.03
63 S	SURR5,2-FLUOROBIPHENYL	1.568	1.478		5.7	83	-0.04
64 TM	Isosafrole	0.276	0.269		2.5	89	-0.04
65 TM	1,1'-Biphenyl	1.800	1.650		8.3	84	-0.04
66 TM	2-Chloronaphthalene	1.320	1.216		7.9	85	-0.04
67 TM	2-Nitroaniline	0.351	0.337		4.0	86	-0.03
68 TM	1,4-Naphthoquinone	0.394	0.364		7.6	84	-0.04
69 TM	m-Dinitrobenzene	0.238	0.223		6.3	80	-0.03
70 TM	Acenaphthylene	2.125	1.945		8.5	82	-0.04
71 TM	Dimethyl phthalate	1.598	1.462		8.5	85	-0.04
72 TM	2,6-Dinitrotoluene	0.344	0.331		3.8	83	-0.04
73 TMC	Acenaphthene	1.486	1.351		9.1	81	-0.04
74 TM	3-Nitroaniline	0.379	0.366		3.4	85	-0.03
75 TPM	2,4-Dinitrophenol	0.174	0.140	24.7	19.5	65	-0.03
76 TM	Dibenzofuran	1.939	1.749		9.8	80	-0.04
77 TM	2,4-Dinitrotoluene	0.486	0.465		4.3	84	-0.03
78 TMP	4-Nitrophenol	0.246	0.298		-21.1#	103	-0.02
79 TM	Pentachlorobenzene	0.683	0.636		6.9	87	-0.04
80 TM	1-Naphthylamine	0.937	0.873		6.8	86	-0.04
81 TM	2-Naphthylamine	1.163	1.109		4.6	86	-0.04
82 TM	2,3,4,6-Tetrachlorophenol	0.389	0.358		8.0	82	-0.03
83 TM	Fluorene	1.571	1.434		8.7	84	-0.04
84 TM	4-Chlorophenyl-phenylether	0.708	0.646		8.8	84	-0.04
85 TM	Diethylphthalate	1.681	1.570		6.6	85	-0.04
86 TM	4-Nitroaniline	0.402	0.362		10.0	81	-0.03
87 TM	5-Nitro-o-toluidine	0.454	0.435		4.2	86	-0.03
88 S	SURR3,2,4,6-TRIBROMOPHENOL	0.290	0.280		3.4	85	-0.04
89 TM	Sulfotepp	0.241	0.225		6.6	86	-0.04
90 TM	Octachlorocyclopentene	0.319	0.304		4.7	82	-0.05
91 IR	d10-Phenanthrene	1.000	1.000		0.0	93	-0.04
92 TM	Thionazin	0.136	0.121		11.0	80	-0.04
93 TM	4,6-Dinitro-2-methylphenol	0.164	0.136		17.1	73	-0.03
94 TM	Diphenylamine	0.673	0.619		8.0	85	-0.03
95 TM	1,2 Diphenylhydrazine	0.861	0.803		6.7	87	-0.04
96 TCM	N-Nitrosodiphenylamine	0.673	0.619		8.0	85	-0.03
97 TM	1,3,5-Trinitrobenzene	0.081	0.076		6.2	82	-0.02
98 TM	Diallate	0.312	0.271		13.1	81	-0.04
99 TM	Phorate	0.160	0.138		13.7	79	-0.04
100 TM	Phenacetin	0.422	0.421		0.2	84	-0.03
101 TM	4-Bromophenyl-phenylether	0.250	0.238		4.8	87	-0.04

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.318	0.294		7.5	89	-0.04
103	TM Dimethoate	0.261	0.221		15.3	78	-0.03
104	TM Atrazine	0.089	0.106		-19.1	117	-0.03
105	TCM Pentachlorophenol	0.174	0.127		27.0	65	-0.04
106	TM 4-Aminobiphenyl	0.655	0.662		-1.1	87	-0.04
107	TM Pentachloronitrobenzene	0.135	0.136		-0.7	89	-0.04
108	TM Pronamide	0.440	0.434		1.4	84	-0.04
109	TM Dinoseb	0.232	0.203		12.5	76	-0.04
110	TM Disulfoton	0.420	0.371		11.7	84	-0.04
111	TM Phenanthrene	1.297	1.159		10.6	82	-0.04
112	TM Anthracene	1.273	1.179		7.4	84	-0.04
113	TM Carbazole	1.207	1.131		6.3	83	-0.04
114	TM Di-n-butylphthalate	1.674	1.571		6.2	83	-0.04
115	TM 4-Nitroquinoline-1-oxide	0.090	0.060		33.3#	58	-0.04
116	TCM Fluoranthene	1.423	1.359		4.5	84	-0.05
117	IR d12-Chrysene	1.000	1.000		0.0	90	-0.06
118	TM Methyl Parathion	0.230	0.235		-2.2	85	-0.04
119	TM Ethyl Parathion	0.196	0.203		-3.6	85	-0.04
120	TM Methapyrilene	0.161	0.198		-23.0#	107	-0.05
121	TM Isodrin	0.137	0.133		2.9	85	-0.05
122	TM Benzidine	0.690	0.736		-6.7	90	-0.04
123	TM Pyrene	1.404	1.369		2.5	83	-0.05
124	S SURR6, TERPHENYL-D14	1.002	0.928		7.4	82	-0.05
125	TM Aramite	0.146	0.143		2.1	85	-0.03
126	TM p-(Dimethylamino)azobenzene	0.345	0.358		-3.8	85	-0.05
127	TM Chlorobenzilate	0.438	0.440		-0.5	84	-0.05
128	TM Butyl benzyl phthalate	0.705	0.686		2.7	83	-0.06
129	TM 3,3-Dimethylbenzidine	0.754	0.735		2.5	81	-0.05
130	TM 2-Acetylaminofluorene	0.554	0.549		0.9	82	-0.05
131	TM 3,3'-Dichlorobenzidine	0.534	0.528		1.1	83	-0.06
132	TM Benzo(a)anthracene	1.331	1.258		5.5	82	-0.06
133	TM Chrysene	1.264	1.175		7.0	82	-0.06
134	TM bis(2-Ethylhexyl)phthalate	1.017	0.973		4.3	83	-0.07
135	IR d12-Perylene	1.000	1.000		0.0	90	-0.09
136	TCM Di-n-octyl phthalate	1.613	1.561		3.2	82	-0.08
137	TM 7,12-Dimethylbenz(a)anthrac	0.604	0.594		1.7	84	-0.08
138	TM Benzo(b)Fluoranthene	1.385	1.312		5.3	82	-0.07
139	TM Benzo(k)fluoranthene	1.293	1.232		4.7	84	-0.08
140	TCM Benzo(a)pyrene	1.154	1.135		1.6	83	-0.09
141	TM 3-Methylcholanthrene	0.674	0.646		4.2	82	-0.09
142	TM Indeno(1,2,3-cd)Pyrene	1.181	1.135		3.9	83	-0.07
143	TM Dibenz(a,h)anthracene	1.258	1.190		5.4	82	-0.07
144	TM Benzo(g,h,i)perylene	1.039	0.974		6.3	83	-0.07

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

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 Operator : JMisiurewicz
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 ALS Vial : 3 Sample Multiplier: 1

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 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.471	152	76788	40.00	ppm	0.00	
33) d8-Naphthalene	5.637	136	288118	40.00	ppm	0.00	
57) d10-Acenaphthene	7.338	164	167963	40.00	ppm	0.00	
91) d10-Phenanthrene	8.798	188	303213	40.00	ppm	0.00	
117) d12-Chrysene	11.889	240	312176	40.00	ppm	0.00	
135) d12-Perylene	14.654	264	326249	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.385	112	199671	73.91	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	36.95%	
12) SURR2,PHENOL-D6	4.171	99	244438	72.92	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	36.46%	
34) SURR4,NITROBENZENE-D5	4.979	82	235107	79.20	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	79.20%	
63) SURR5,2-FLUOROBIPHENYL	6.680	172	496421	75.40	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	75.40%	
88) SURR3,2,4,6-TRIBROMOPH...	8.118	330	94017	77.24	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	38.62%	
124) SURR6,TERPHENYL-D14	10.424	244	579606	74.14	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	74.14%	
Target Compounds							
							Qvalue
2) Pyridine	2.288	79	201033	76.347	ppm		96
3) N-Nitrosodimethylamine	2.262	74	119465	77.064	ppm		75
4) 2-Picoline	2.904	93	198145	74.920	ppm		100
5) N-Nitrosomethylamine	2.994	42	104856	80.251	ppm		94
6) Methyl Methansulfonate	3.246	80	109776	89.927	ppm		88
8) N-Nitrosodiethylamine	3.567	102	89264	73.748	ppm		98
9) Ethyl Mathanesulfonate	3.818	79	169712	75.492	ppm		96
10) Benzaldehyde	4.102	106	104138	64.415	ppm		98
11) Aniline	4.193	93	322600	71.925	ppm		79
13) Phenol	4.182	94	270624	75.587	ppm		71
14) bis(2-Clethyl)Ether	4.241	93	166084	71.302	ppm		93
15) Pentachloroethane	4.230	117	84998	75.332	ppm		97
16) 2-Chlorophenol	4.300	128	222760	75.700	ppm		96
17) 1,3-Diclbzene	4.423	146	246472	75.658	ppm		96
18) 1,4-Dichlorobenzene	4.487	146	251279	75.834	ppm		99
19) 1,2-Diclbzene	4.620	146	242558	75.934	ppm		98
20) Benzyl Alcohol	4.604	79	167356	76.477	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.642	99	131976	72.663	ppm		90
22) 2,2'-oxybis(1-Chloropr...	4.706	45	171501	71.028	ppm	#	64
23) 2-Methylphenol	4.722	108	185884	72.793	ppm		96
24) 3+4-Methylphenol	4.856	108	215880m	73.033	ppm		
25) Acetophenone	4.834	105	287500	74.052	ppm		82
26) N-Nitroso-Di-n-propyla...	4.840	70	156567	77.004	ppm		90
27) N-Nitrosopyrrolidine	4.834	100	105595	73.595	ppm		89
28) N-Nitrosomorpholine	4.866	56	116467	77.119	ppm		89
29) o-Toluidine	4.866	106	307825	73.577	ppm		93
30) Hexachloroethane	4.920	117	103877	78.249	ppm		93
31) o,o,o-Triethylphosphor...	5.380	198	106161	74.101	ppm		85
32) Alpha-terpinol	5.669	121	79553	77.950	ppm		86
35) Nitrobenzene	4.995	77	225453	74.609	ppm		94
36) N-Nitrosopiperidine	5.139	42	136471	79.514	ppm		94
37) Isophorone	5.214	82	385415	75.387	ppm		98
38) 2-Nitrophenol	5.284	139	118359	74.294	ppm		82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.439	105	41337	23.594	ppm	90
40) 2,4-Dimethylphenol	5.332	107	219882	75.874	ppm	94
41) bis(-2-Chloroethoxy)Me...	5.412	93	218163	71.586	ppm	99
42) 2,4-Dichlorophenol	5.524	162	190657	78.276	ppm	97
43) a,a-Dimethylphenethyla...	5.626	58	449744m	81.217	ppm	
44) 1,2,4-Trichlorobenzene	5.583	180	209996	76.654	ppm	99
45) Naphthalene	5.658	128	628779	73.520	ppm	99
46) 4-Chloroaniline	5.722	127	270217	77.819	ppm	98
47) 2,6-Dichlorophenol	5.728	162	203624	78.977	ppm	94
48) Hexachlorobutadiene	5.765	225	139580	82.507	ppm	98
49) Hexachloropropene	5.733	213	181344	81.783	ppm	99
50) 4-Chloro-3-methylphenol	6.204	107	182155	77.873	ppm	99
51) N-N-di-n-butylamine	6.032	84	139703	66.548	ppm	99
52) Caprolactam	6.081	113	56738	70.407	ppm	96
53) p-Phenylenediamine	6.075	80	43058	92.433	ppm	95
54) Safrole	6.241	162	177348	79.366	ppm	98
55) 2-Methylnaphthalene	6.321	142	420842	72.077	ppm	95
56) 1-Methylnaphthalene	6.418	142	389696	70.819	ppm	97
58) Hexachlorocyclopentadiene	6.466	237	108543	63.478	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.482	216	225943	76.035	ppm	97
60) 1,2,3,4-Tetrachloroben...	6.760	216	243461	78.522	ppm	97
61) 2,4,6-Trichlorophenol	6.610	196	133747	75.451	ppm	91
62) 2,4,5-Trichlorophenol	6.658	196	138424	71.259	ppm	99
64) Isosafrole	6.744	104	90348	78.077	ppm	88
65) 1,1'-Biphenyl	6.776	154	554429	73.367	ppm	99
66) 2-Chloronaphthalene	6.797	162	408474	73.718	ppm	94
67) 2-Nitroaniline	6.915	65	113072	76.687	ppm	96
68) 1,4-Naphthoquinone	6.985	158	122144	73.825	ppm	86
69) m-Dinitrobenzene	7.134	168	74951	75.104	ppm	90
70) Acenaphthylene	7.198	152	653371	73.207	ppm	98
71) Dimethyl phthalate	7.086	163	491120	73.197	ppm	99
72) 2,6-Dinitrotoluene	7.150	165	111212	77.034	ppm	95
73) Acenaphthene	7.370	153	453971	72.766	ppm	98
74) 3-Nitroaniline	7.322	138	122897	77.305	ppm	99
75) 2,4-Dinitrophenol	7.434	184	47017	60.246	ppm	95
76) Dibenzofuran	7.541	168	587582	72.160	ppm	82
77) 2,4-Dinitrotoluene	7.551	165	156043	76.520	ppm	76
78) 4-Nitrophenol	7.530	65	100076	96.835	ppm	# 1
79) Pentachlorobenzene	7.498	250	213495	74.428	ppm	97
80) 1-Naphthylamine	7.626	143	293150	74.542	ppm	98
81) 2-Naphthylamine	7.707	143	372518	76.287	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.675	232	120153	73.624	ppm	95
83) Fluorene	7.878	166	481801	73.022	ppm	99
84) 4-Chlorophenyl-phenyle...	7.878	204	216902	72.966	ppm	97
85) Diethylphthalate	7.776	149	527497	74.735	ppm	100
86) 4-Nitroaniline	7.926	138	121637	72.019	ppm	86
87) 5-Nitro-o-toluidine	7.910	152	146049	76.602	ppm	92
89) Sulfotepp	8.156	322	75644	74.660	ppm	89
90) Octachlorocyclopentene	8.113	307	102007	76.144	ppm	99
92) Thionazin	7.851	107	73248	71.062	ppm	97
93) 4,6-Dinitro-2-methylph...	7.947	198	82415	66.159	ppm	84
94) Diphenylamine	8.006	169	750472	147.058	ppm	99
95) 1,2 Diphenylhydrazine	8.033	77	486847	74.615	ppm	97
96) N-Nitrosodiphenylamine	8.006	169	750472	147.046	ppm	99
97) 1,3,5-Trinitrobenzene	8.322	213	46290	75.694	ppm	# 43
98) Diallate	8.274	86	164248	69.447	ppm	90

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR663.D
 Acq On : 7 May 2019 1:01 pm
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270/625
 ALS Vial : 3 Sample Multiplier: 1

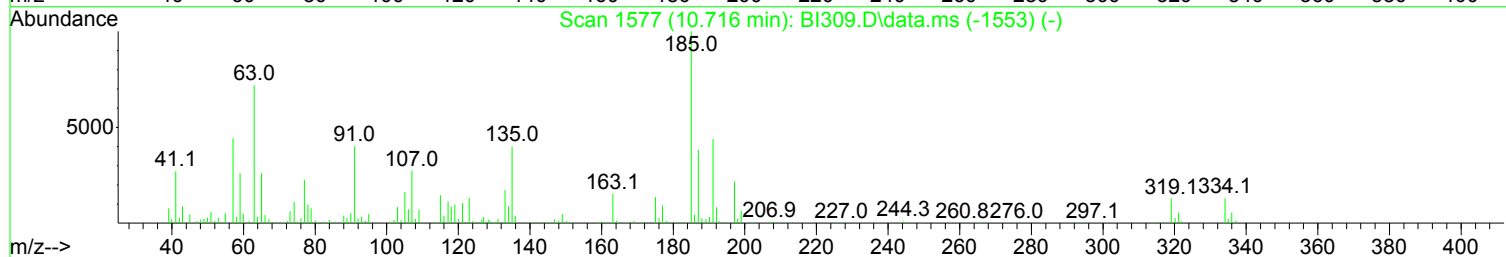
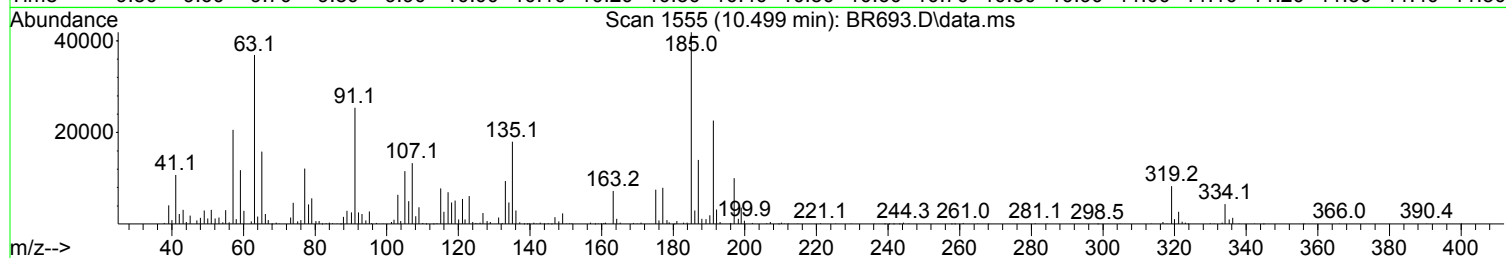
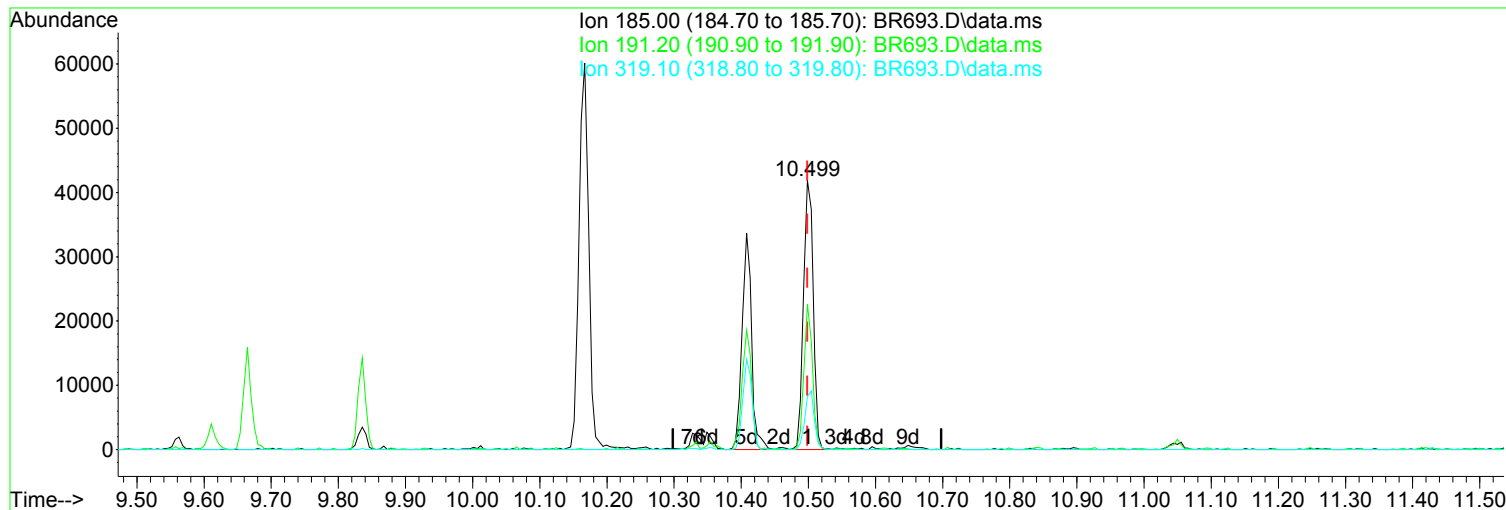
Quant Time: May 08 11:00:13 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 08 10:59:50 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.290	121	83952	69.059	ppm	94
100) Phenacetin	8.332	108	255279	79.792	ppm	99
101) 4-Bromophenyl-phenylether	8.359	248	144313	76.066	ppm	96
102) Hexachlorobenzene	8.413	284	178022	73.777	ppm	97
103) Dimethoate	8.471	87	133814	67.544	ppm	88
104) Atrazine	8.536	215	64112	94.622	ppm	81
105) Pentachlorophenol	8.621	266	77217	58.524	ppm	95
106) 4-Aminobiphenyl	8.621	169	401737	80.852	ppm	98
107) Pentachloronitrobenzene	8.621	237	82603	80.445	ppm	95
108) Pronamide	8.680	173	263319	78.999	ppm	99
109) Dinoseb	8.798	211	123270	69.982	ppm	98
110) Disulfoton	8.803	88	225078	70.773	ppm	85
111) Phenanthrene	8.824	178	702557	71.478	ppm	98
112) Anthracene	8.873	178	715107	74.101	ppm	99
113) Carbazole	9.044	167	685864	74.977	ppm	98
114) Di-n-butylphthalate	9.375	149	952861	75.078	ppm	98
115) 4-Nitroquinonline-1-oxide	9.605	190	36157	53.202	ppm	97
116) Fluoranthene	10.001	202	824190	76.394	ppm	98
118) Methyl Parathion	9.172	109	146525	81.561	ppm	91
119) Ethyl Parathion	9.557	97	126484	82.747	ppm	98
120) Methapyrilene	9.659	58	123571	98.316	ppm	97
121) Isodrin	9.830	193	82874	77.697	ppm	98
122) Benzidine	10.162	184	459805	85.422	ppm	96
123) Pyrene	10.247	202	854465	77.962	ppm	100
125) Aramite	10.493	185	89101m	78.319	ppm	
126) p-(Dimethylamino)azobe...	10.595	120	223234	82.844	ppm	97
127) Chlorobenzilate	10.648	139	274863	80.344	ppm	99
128) Butyl benzyl phthalate	11.055	149	428430	77.913	ppm	95
129) 3,3-Dimethylbenzidine	11.044	212	458857	78.003	ppm	98
130) 2-Acetylaminofluorene	11.413	181	342930	79.327	ppm	99
131) 3,3'-Dichlorobenzidine	11.857	252	329539	79.031	ppm	98
132) Benzo(a)anthracene	11.873	228	785528	75.615	ppm	99
133) Chrysene	11.932	228	733695	74.358	ppm	99
134) bis(2-Ethylhexyl)phtha...	11.959	149	607529	76.534	ppm	96
136) Di-n-octyl phthalate	13.210	149	1018867	77.430	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.868	256	387747	78.714	ppm	99
138) Benzo(b)Fluoranthene	13.879	252	856100	75.758	ppm	97
139) Benzo(k)fluoranthene	13.932	252	804194	76.241	ppm	98
140) Benzo(a)pyrene	14.537	252	740803	78.678	ppm	99
141) 3-Methylcholanthrene	15.312	268	421492	76.718	ppm	96
142) Indeno(1,2,3-cd)Pyrene	16.708	276	740785	76.898	ppm	94
143) Dibenz(a,h)anthracene	16.751	278	776717	75.691	ppm	99
144) Benzo(g,h,i)perylene	17.115	276	635464	75.007	ppm	93

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

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.499min (0.000) 80.94 ppm m

After

response 75473

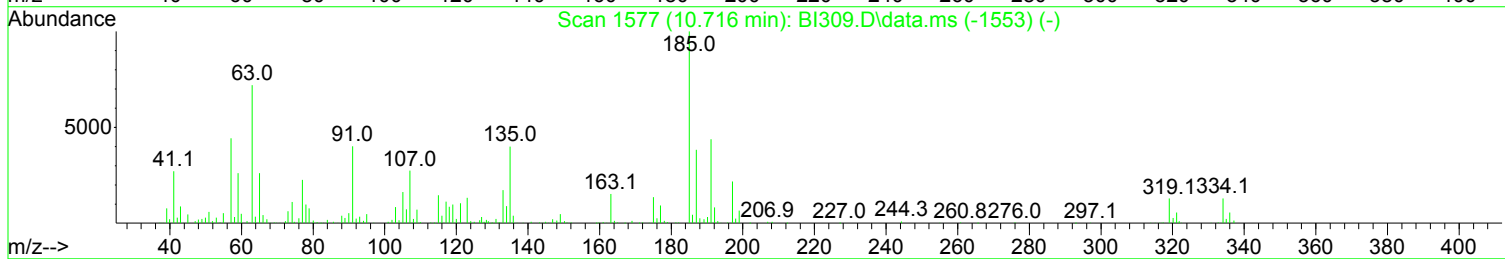
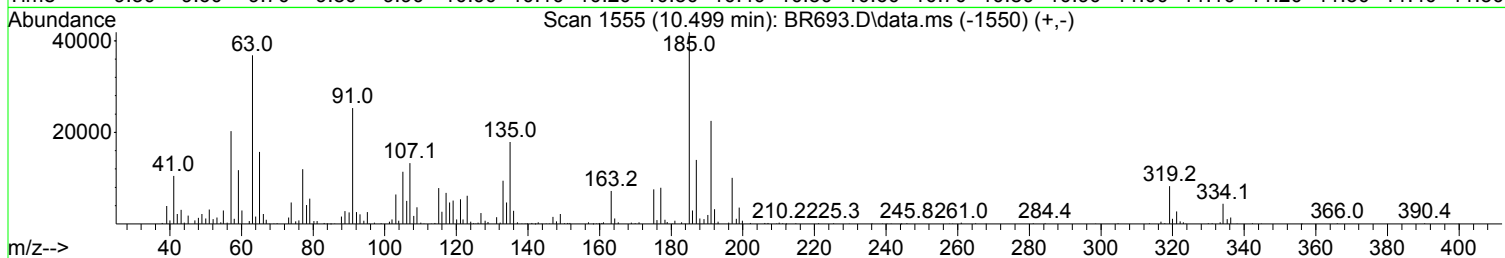
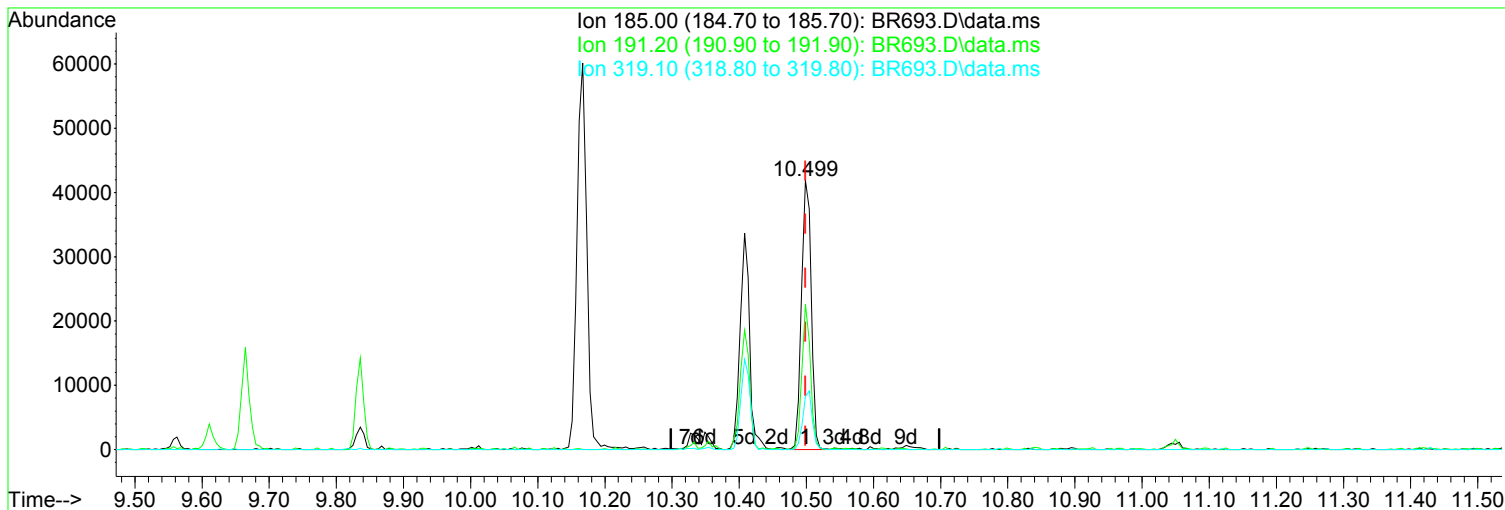
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	53.98
319.10	17.60	19.78
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR693.D
 Acq On : 8 May 2019 8:09 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:31:23 2019
 Response via : Initial Calibration



TIC: BR693.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.499min (0.000) 45.06 ppm

Before

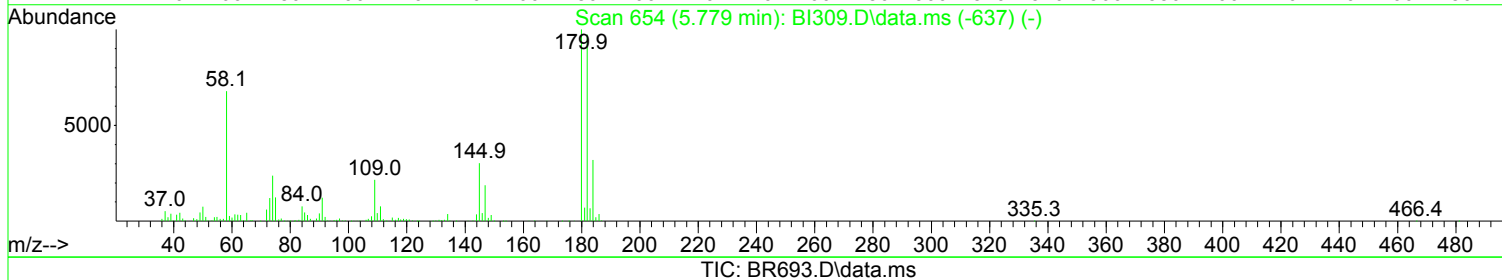
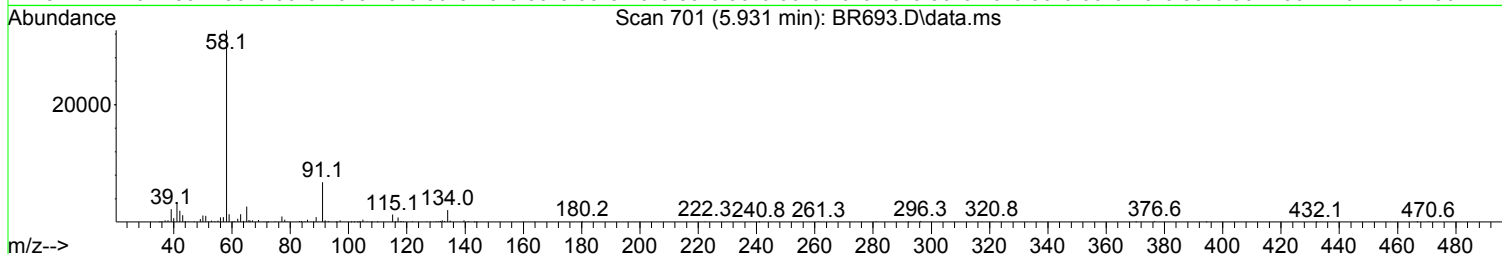
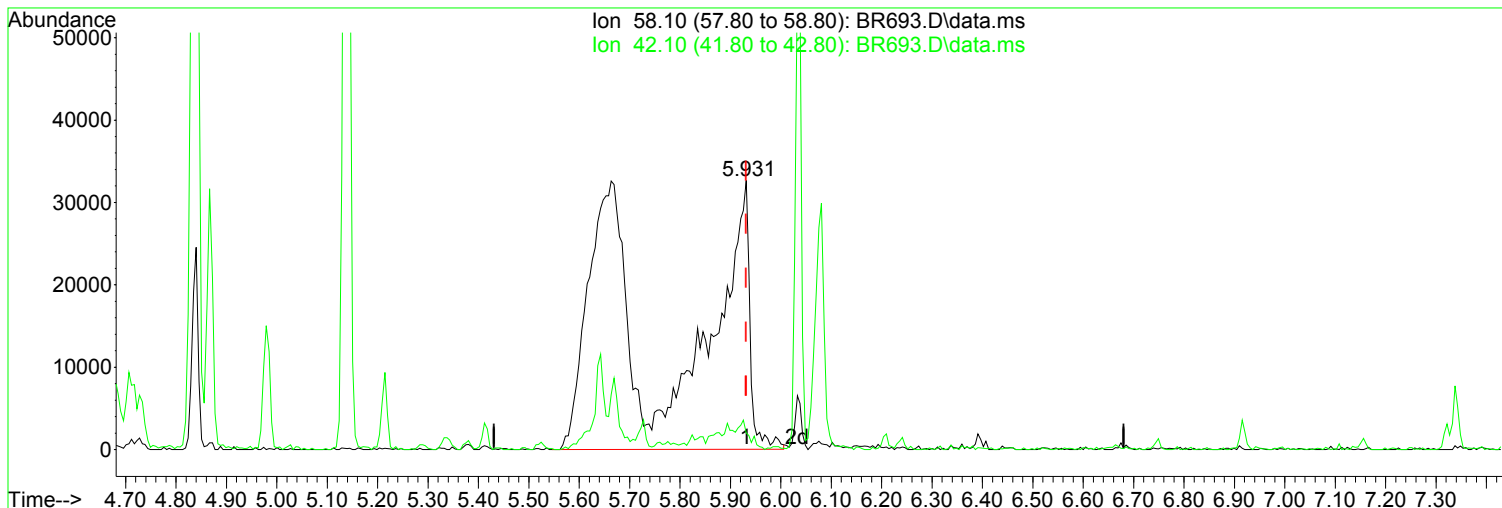
response 42015

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	53.73
319.10	17.60	19.78
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.931min (0.000) 79.19 ppm m

After

response 332643

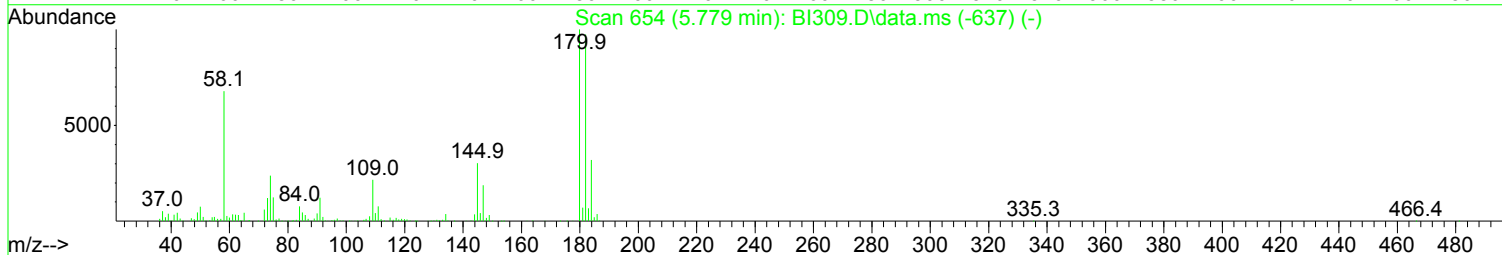
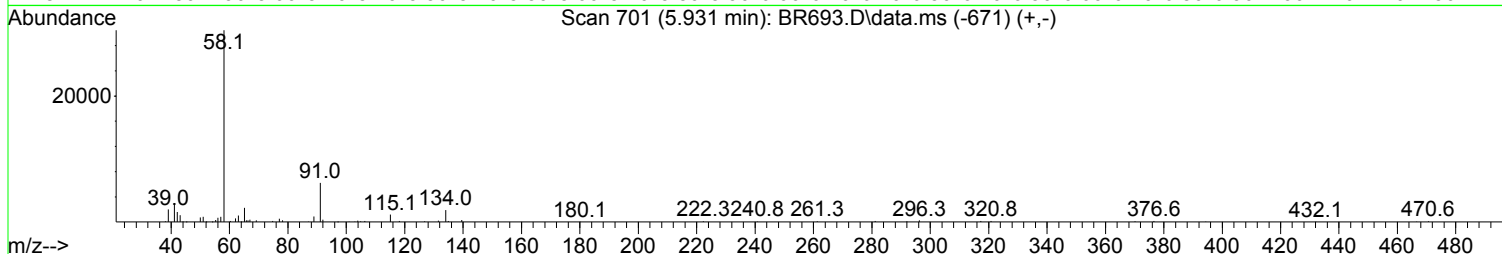
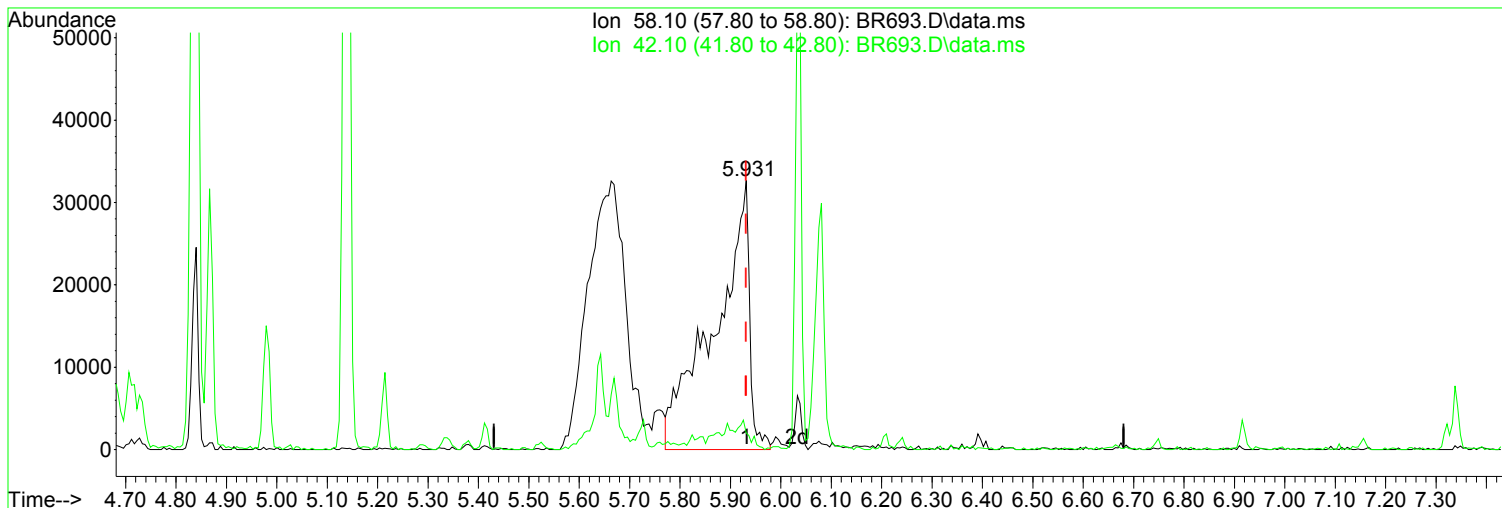
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	6.15
0.00	0.00	0.00
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



TIC: BR693.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.931min (0.000) 36.82 ppm

Before

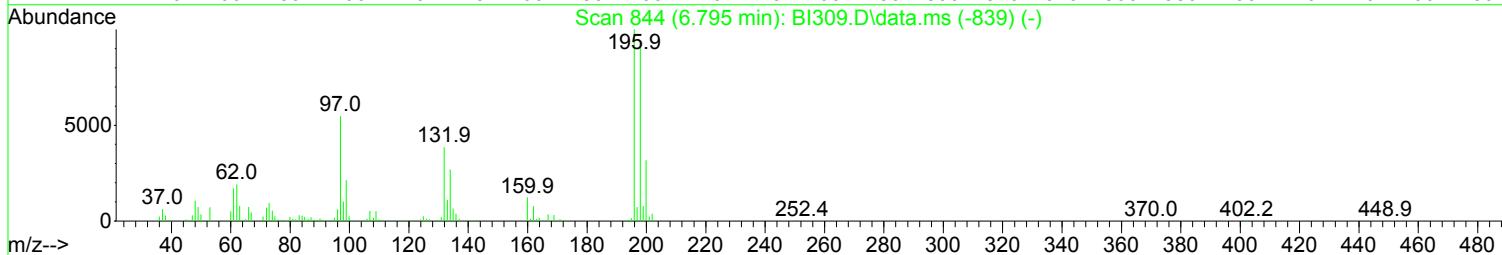
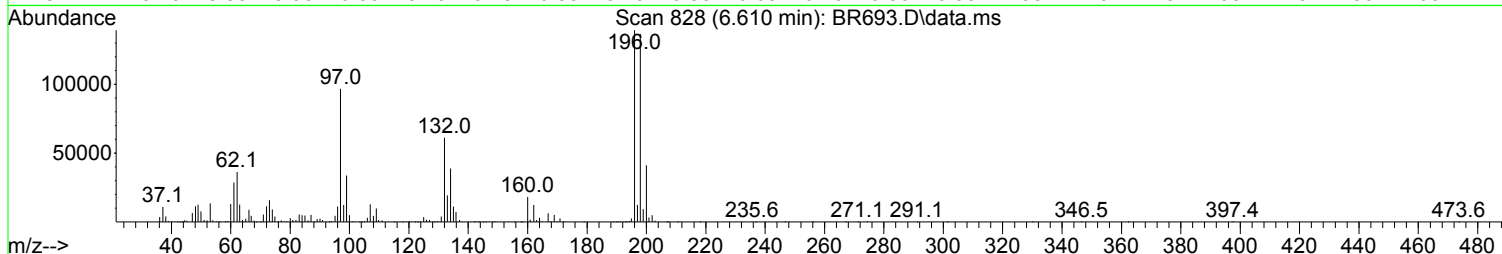
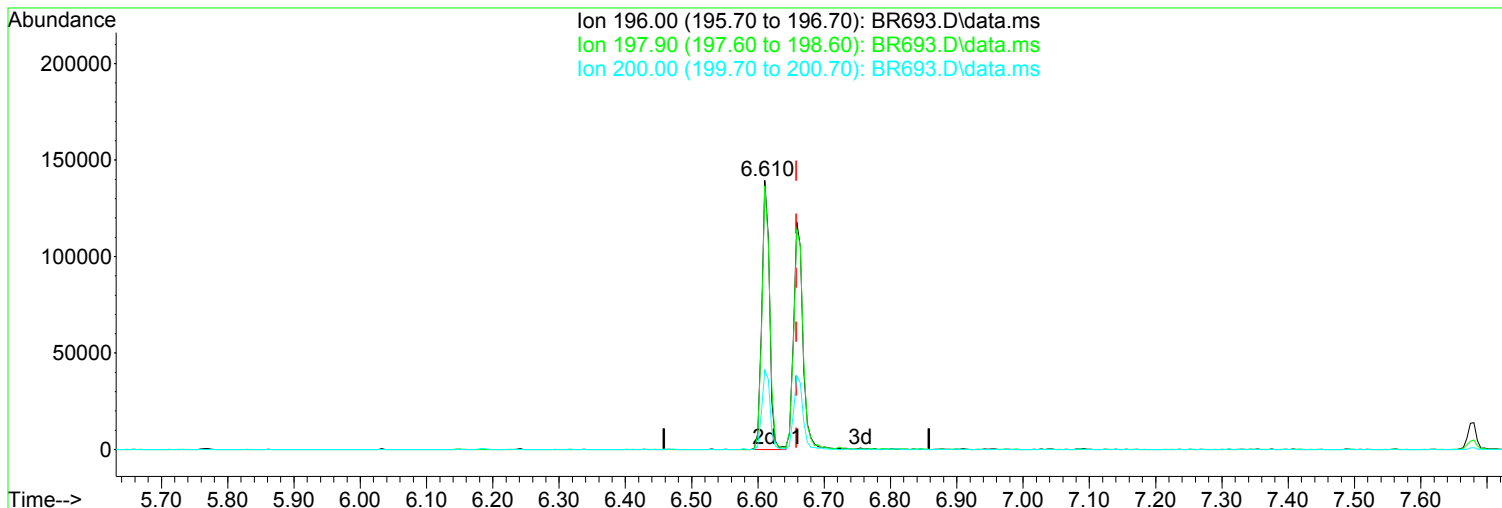
response 154666

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	5.21
0.00	0.00	0.00
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



TIC: BR693.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.610min (-0.048) 83.52 ppm m

After

response 113049

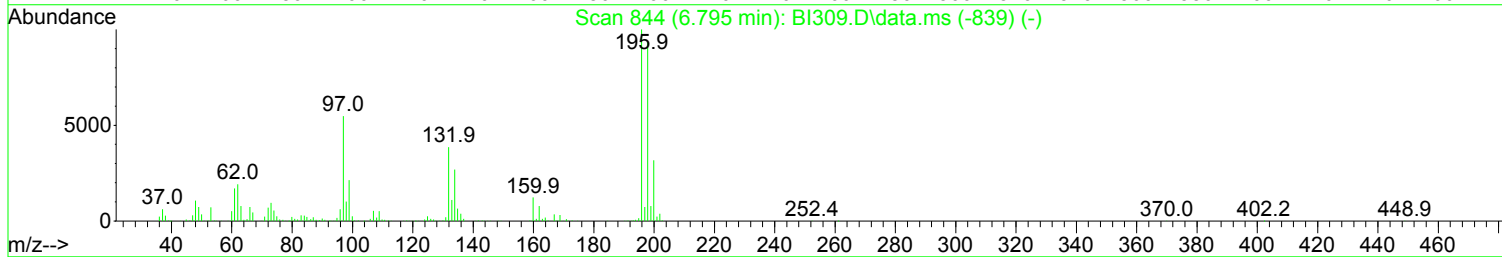
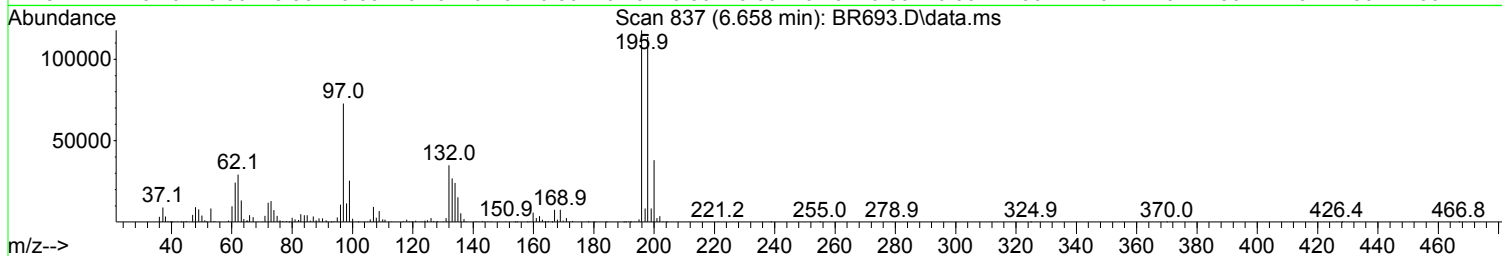
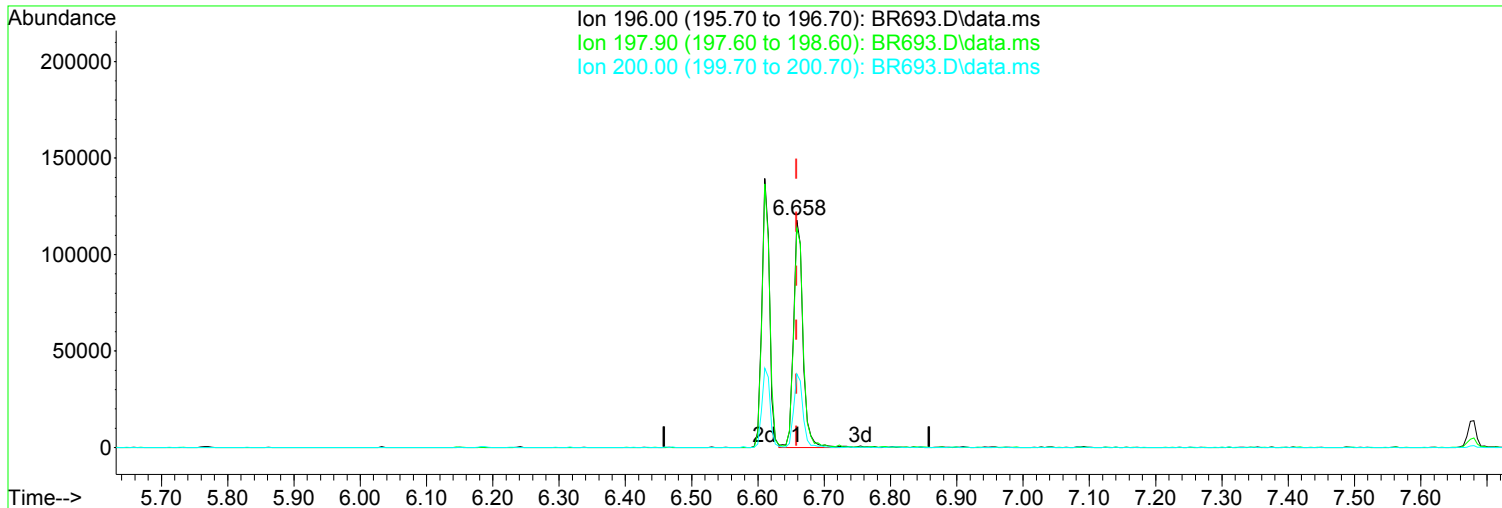
Wrong peak selected.

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	97.98
200.00	29.70	29.52
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



TIC: BR693.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.658min (0.000) 85.36 ppm

Before

response 115546

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	96.58
200.00	29.70	32.32
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR693.D
 Acq On : 8 May 2019 8:09 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:31:23 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	70	-0.04
2	TM Pyridine	1.372	1.335		2.7	67	-0.11
3	TM N-Nitrosodimethylamine	0.808	0.770		4.7	64	-0.10
4	TM 2-Picoline	1.378	1.368		0.7	67	-0.07
5	TM N-Nitrosomethylamine	0.681	0.714		-4.8	79	-0.06
6	TM Methyl Methansulfonate	0.636	0.749		-17.8	82	-0.05
7	S SURR1,2-FLUOROPHENOL	1.407	1.320		6.2	64	-0.04
8	TM N-Nitrosodiethylamine	0.631	0.599		5.1	63	-0.05
9	TM Ethyl Mathanesulfonate	1.171	1.158		1.1	69	-0.04
10	TM Benzaldehyde	0.842	1.004		-19.2	81	-0.04
11	TM Aniline	2.336	2.137		8.5	63	-0.04
12	S SURR2, PHENOL-D6	1.746	1.661		4.9	66	-0.03
13	TMC Phenol	1.865	1.769		5.1	67	-0.03
14	TM bis(2-Clethyl)Ether	1.213	1.110		8.5	63	-0.04
15	TM Pentachloroethane	0.588	0.586		0.3	70	-0.04
16	TM 2-Chlorophenol	1.533	1.495		2.5	68	-0.04
17	TM 1,3-Diclbzence	1.697	1.669		1.6	68	-0.04
18	TMC 1,4-Dichlorobenzene	1.726	1.673		3.1	68	-0.04
19	TM 1,2-Diclbzence	1.664	1.590		4.4	66	-0.04
20	TM Benzyl Alcohol	1.140	1.184		-3.9	70	-0.03
21	T 1-Methyl-2-pyrrolidinone	0.946	0.888		6.1	64	-0.04
22	TM 2,2'-oxybis(1-Chloropropane	1.258	1.106		12.1	62	-0.04
23	TM 2-Methylphenol	1.330	1.264		5.0	65	-0.02
24	TM 3+4-Methylphenol	1.540	1.472		4.4	64	-0.02
25	TM Acetophenone	2.022	1.968		2.7	67	-0.04
26	TMP N-Nitroso-Di-n-propylamine	1.059	1.047		1.1	69	-0.03
27	TM N-Nitrosopyrrolidine	0.747	0.698		6.6	64	-0.03
28	TM N-Nitrosomorpholine	0.787	0.777		1.3	71	-0.03
29	TM o-Toluidine	2.179	2.095		3.9	68	-0.03
30	TM Hexachloroethane	0.692	0.728		-5.2	72	-0.04
31	TM o,o,o-Triethylphosphorothio	0.746	0.756		-1.3	69	-0.04
32	TM Alpha-terpinol	0.532	0.525		1.3	66	-0.04
33	IR d8-Naphthalene	1.000	1.000		0.0	67	-0.04
34	S SURR4,NITROBENZENE-D5	0.412	0.428		-3.9	70	-0.04
35	TM Nitrobenzene	0.420	0.429		-2.1	68	-0.03
36	TM N-Nitrosopiperidine	0.238	0.253		-6.3	73	-0.03
37	TM Isophorone	0.710	0.686		3.4	65	-0.03
38	TCM 2-Nitrophenol	0.221	0.227		-2.7	69	-0.04
39	TM Benzoic Acid	0.243	0.112		53.9#	30#	-0.02
40	TM 2,4-Dimethylphenol	0.402	0.412		-2.5	68	-0.03
41	TM bis(-2-Chloroethoxy)Methane	0.423	0.391		7.6	63	-0.04
42	TCM 2,4-Dichlorophenol	0.338	0.351		-3.8	68	-0.03
43	TM a,a-Dimethylphenethylamine	0.769	0.761		1.0	71	0.05
44	TM 1,2,4-Trichlorobenzene	0.380	0.382		-0.5	69	-0.04
45	TM Naphthalene	1.187	1.135		4.4	65	-0.04
46	TM 4-Chloroaniline	0.482	0.500		-3.7	70	-0.03
47	TM 2,6-Dichlorophenol	0.358	0.375		-4.7	70	-0.04
48	TCM Hexachlorobutadiene	0.235	0.254		-8.1	74	-0.04
49	TM Hexachloropropene	0.308	0.355		-15.3	78	-0.04
50	TMC 4-Chloro-3-methylphenol	0.325	0.344		-5.8	70	-0.03
51	TM N-N-di-n-butylamine	0.291	0.262		10.0	66	-0.04

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR693.D
 Acq On : 8 May 2019 8:09 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:31:23 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52 TM	Caprolactam	0.112	0.109		2.7	66	-0.02
53 TM	p-Phenylenediamine	0.065	0.101		-55.4#	109	-0.04
54 TM	Safrole	0.310	0.322		-3.9	72	-0.04
55 TM	2-Methylnaphthalene	0.811	0.768		5.3	65	-0.04
56 TM	1-Methylnaphthalene	0.764	0.726		5.0	65	-0.04
57 IR	d10-Acenaphthene	1.000	1.000		0.0	70	-0.04
58 TPM	Hexachlorocyclopentadiene	0.368	0.340	17.0	7.6	56	-0.04
59 TM	1,2,4,5-Tetrachlorobenzene	0.708	0.712		-0.6	70	-0.04
60 TM	1,2,3,4-Tetrachlorobenzene	0.738	0.768		-4.1	71	-0.04
61 TCM	2,4,6-Trichlorophenol	0.422	0.441		-4.5	67	-0.03
62 TM	2,4,5-Trichlorophenol	0.463	0.450		2.8	68	-0.03
63 S	SURR5,2-FLUOROBIPHENYL	1.568	1.567		0.1	67	-0.04
64 TM	Isosafrole	0.276	0.303		-9.8	77	-0.03
65 TM	1,1'-Biphenyl	1.800	1.752		2.7	68	-0.04
66 TM	2-Chloronaphthalene	1.320	1.265		4.2	68	-0.04
67 TM	2-Nitroaniline	0.351	0.373		-6.3	73	-0.03
68 TM	1,4-Naphthoquinone	0.394	0.395		-0.3	69	-0.03
69 TM	m-Dinitrobenzene	0.238	0.242		-1.7	67	-0.03
70 TM	Acenaphthylene	2.125	2.075		2.4	67	-0.04
71 TM	Dimethyl phthalate	1.598	1.562		2.3	69	-0.04
72 TM	2,6-Dinitrotoluene	0.344	0.345		-0.3	66	-0.03
73 TMC	Acenaphthene	1.486	1.449		2.5	67	-0.04
74 TM	3-Nitroaniline	0.379	0.369		2.6	65	-0.03
75 TPM	2,4-Dinitrophenol	0.174	0.154	18.3	11.5	54	-0.03
76 TM	Dibenzofuran	1.939	1.934		0.3	68	-0.04
77 TM	2,4-Dinitrotoluene	0.486	0.474		2.5	65	-0.03
78 TMP	4-Nitrophenol	0.246	0.306		-24.4#	81	-0.02
79 TM	Pentachlorobenzene	0.683	0.698		-2.2	73	-0.03
80 TM	1-Naphthylamine	0.937	0.926		1.2	69	-0.03
81 TM	2-Naphthylamine	1.163	1.190		-2.3	71	-0.03
82 TM	2,3,4,6-Tetrachlorophenol	0.389	0.375		3.6	66	-0.03
83 TM	Fluorene	1.571	1.540		2.0	68	-0.04
84 TM	4-Chlorophenyl-phenylether	0.708	0.723		-2.1	72	-0.04
85 TM	Diethylphthalate	1.681	1.701		-1.2	71	-0.04
86 TM	4-Nitroaniline	0.402	0.380		5.5	65	-0.03
87 TM	5-Nitro-o-toluidine	0.454	0.454		0.0	68	-0.03
88 S	SURR3,2,4,6-TRIBROMOPHENOL	0.290	0.314		-8.3	72	-0.03
89 TM	Sulfotepp	0.241	0.260		-7.9	75	-0.04
90 TM	Octachlorocyclopentene	0.319	0.337		-5.6	70	-0.04
91 IR	d10-Phenanthrene	1.000	1.000		0.0	75	-0.04
92 TM	Thionazin	0.136	0.127		6.6	68	-0.04
93 TM	4,6-Dinitro-2-methylphenol	0.164	0.145		11.6	63	-0.02
94 TM	Diphenylamine	0.673	0.629		6.5	70	-0.03
95 TM	1,2 Diphenylhydrazine	0.861	0.793		7.9	69	-0.04
96 TCM	N-Nitrosodiphenylamine	0.673	0.629		6.5	70	-0.03
97 TM	1,3,5-Trinitrobenzene	0.081	0.077		4.9	68	-0.01
98 TM	Diallate	0.312	0.273		12.5	67	-0.04
99 TM	Phorate	0.160	0.140		12.5	65	-0.04
100 TM	Phenacetin	0.422	0.447		-5.9	72	-0.03
101 TM	4-Bromophenyl-phenylether	0.250	0.229		8.4	68	-0.04

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR693.D
 Acq On : 8 May 2019 8:09 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:31:23 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.318	0.295		7.2	73	-0.03
103	TM Dimethoate	0.261	0.237		9.2	68	-0.03
104	TM Atrazine	0.089	0.101		-13.5	90	-0.03
105	TCM Pentachlorophenol	0.174	0.121		30.5#	50#	-0.03
106	TM 4-Aminobiphenyl	0.655	0.678		-3.5	72	-0.04
107	TM Pentachloronitrobenzene	0.135	0.151		-11.9	80	-0.03
108	TM Pronamide	0.440	0.449		-2.0	70	-0.03
109	TM Dinoseb	0.232	0.219		5.6	67	-0.03
110	TM Disulfoton	0.420	0.371		11.7	68	-0.04
111	TM Phenanthrene	1.297	1.161		10.5	67	-0.03
112	TM Anthracene	1.273	1.176		7.6	68	-0.04
113	TM Carbazole	1.207	1.136		5.9	68	-0.03
114	TM Di-n-butylphthalate	1.674	1.612		3.7	69	-0.04
115	TM 4-Nitroquinoline-1-oxide	0.090	0.065		27.8#	51	-0.03
116	TCM Fluoranthene	1.423	1.379		3.1	69	-0.04
117	IR d12-Chrysene	1.000	1.000		0.0	74	-0.05
118	TM Methyl Parathion	0.230	0.235		-2.2	70	-0.04
119	TM Ethyl Parathion	0.196	0.206		-5.1	71	-0.04
120	TM Methapyrilene	0.161	0.204		-26.7#	90	-0.04
121	TM Isodrin	0.137	0.144		-5.1	76	-0.04
122	TM Benzidine	0.690	0.820		-18.8	82	-0.04
123	TM Pyrene	1.404	1.359		3.2	67	-0.04
124	S SURR6, TERPHENYL-D14	1.002	0.970		3.2	70	-0.05
125	TM Aramite	0.146	0.147		-0.7	72	-0.03
126	TM p-(Dimethylamino)azobenzene	0.345	0.354		-2.6	69	-0.05
127	TM Chlorobenzilate	0.438	0.482		-10.0	76	-0.05
128	TM Butyl benzyl phthalate	0.705	0.721		-2.3	72	-0.05
129	TM 3,3-Dimethylbenzidine	0.754	0.824		-9.3	75	-0.05
130	TM 2-Acetylaminofluorene	0.554	0.601		-8.5	73	-0.04
131	TM 3,3'-Dichlorobenzidine	0.534	0.578		-8.2	75	-0.06
132	TM Benzo(a)anthracene	1.331	1.307		1.8	70	-0.05
133	TM Chrysene	1.264	1.201		5.0	69	-0.05
134	TM bis(2-Ethylhexyl)phthalate	1.017	1.030		-1.3	72	-0.06
135	IR d12-Perylene	1.000	1.000		0.0	76	-0.07
136	TCM Di-n-octyl phthalate	1.613	1.633		-1.2	73	-0.08
137	TM 7,12-Dimethylbenz(a)anthrac	0.604	0.596		1.3	72	-0.07
138	TM Benzo(b)Fluoranthene	1.385	1.333		3.8	71	-0.06
139	TM Benzo(k)fluoranthene	1.293	1.260		2.6	73	-0.06
140	TCM Benzo(a)pyrene	1.154	1.149		0.4	72	-0.07
141	TM 3-Methylcholanthrene	0.674	0.676		-0.3	73	-0.07
142	TM Indeno(1,2,3-cd)Pyrene	1.181	1.206		-2.1	75	-0.04
143	TM Dibenz(a,h)anthracene	1.258	1.261		-0.2	73	-0.05
144	TM Benzo(g,h,i)perylene	1.039	1.038		0.1	75	-0.05

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

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Operator : JMisiurewicz
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Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.476	152	59292	40.00	ppm	0.00	
33) d8-Naphthalene	5.642	136	218568	40.00	ppm	0.00	
57) d10-Acenaphthene	7.343	164	128261	40.00	ppm	0.00	
91) d10-Phenanthrene	8.803	188	246121	40.00	ppm	0.00	
117) d12-Chrysene	11.900	240	255877	40.00	ppm	0.00	
135) d12-Perylene	14.671	264	276901	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.390	112	156532	75.04	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	37.52%	
12) SURR2,PHENOL-D6	4.171	99	196923	76.08	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	38.04%	
34) SURR4,NITROBENZENE-D5	4.979	82	186917	83.01	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	83.01%	
63) SURR5,2-FLUOROBIPHENYL	6.685	172	402063	79.97	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	79.97%	
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	80511	86.62	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	43.31%	
124) SURR6,TERPHENYL-D14	10.429	244	496403	77.47	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	77.47%	
Target Compounds							
							Qvalue
2) Pyridine	2.289	79	158352	77.883	ppm		93
3) N-Nitrosodimethylamine	2.262	74	91340	76.308	ppm	#	64
4) 2-Picoline	2.904	93	162257	79.454	ppm		97
5) N-Nitrosomethylamine	3.000	42	84671	83.925	ppm		95
6) Methyl Methansulfonate	3.251	80	88854	94.266	ppm		93
8) N-Nitrosodiethylamine	3.567	102	70992	75.959	ppm		94
9) Ethyl Mathanesulfonate	3.818	79	137331	79.114	ppm		96
10) Benzaldehyde	4.102	106	119097	95.406	ppm		91
11) Aniline	4.193	93	253386	73.163	ppm		72
13) Phenol	4.182	94	209758	75.875	ppm		70
14) bis(2-Clethyl)Ether	4.241	93	131627	73.184	ppm		91
15) Pentachloroethane	4.230	117	69487	79.758	ppm		92
16) 2-Chlorophenol	4.300	128	177307	78.033	ppm		98
17) 1,3-Diclbzene	4.423	146	197964	78.699	ppm		97
18) 1,4-Dichlorobenzene	4.487	146	198349	77.523	ppm		92
19) 1,2-Diclbzene	4.621	146	188497	76.422	ppm		95
20) Benzyl Alcohol	4.605	79	140388	83.084	ppm		94
21) 1-Methyl-2-pyrrolidinone	4.637	99	105307	75.089	ppm		90
22) 2,2'-oxybis(1-Chloropr...	4.712	45	131186	70.363	ppm	#	78
23) 2-Methylphenol	4.722	108	149859	76.002	ppm		99
24) 3+4-Methylphenol	4.861	108	174598	76.497	ppm	#	44
25) Acetophenone	4.840	105	233418	77.863	ppm		80
26) N-Nitroso-Di-n-propyla...	4.840	70	124157	79.083	ppm		85
27) N-Nitrosopyrrolidine	4.840	100	82727	74.671	ppm		76
28) N-Nitrosomorpholine	4.867	56	92146	79.020	ppm		92
29) o-Toluidine	4.872	106	248422	76.900	ppm		95
30) Hexachloroethane	4.920	117	86329	84.220	ppm		98
31) o,o,o-Triethylphosphor...	5.380	198	89606	81.002	ppm		98
32) Alpha-terpinol	5.669	121	62315	79.077	ppm		95
35) Nitrobenzene	5.000	77	187342	81.724	ppm		97
36) N-Nitrosopiperidine	5.139	42	110581	84.931	ppm		95
37) Isophorone	5.214	82	300018	77.357	ppm		97
38) 2-Nitrophenol	5.289	139	99293	82.159	ppm		87

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ALS Vial : 3 Sample Multiplier: 1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.439	105	48984	36.856	ppm	89
40) 2,4-Dimethylphenol	5.337	107	179995	81.874	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.412	93	170918	73.929	ppm	97
42) 2,4-Dichlorophenol	5.524	162	153591	83.124	ppm	97
43) a,a-Dimethylphenethyla...	5.931	58	332643m	79.185	ppm	
44) 1,2,4-Trichlorobenzene	5.589	180	166791	80.257	ppm	93
45) Naphthalene	5.664	128	496243	76.487	ppm	98
46) 4-Chloroaniline	5.728	127	218403	82.911	ppm	100
47) 2,6-Dichlorophenol	5.728	162	163859	83.778	ppm	87
48) Hexachlorobutadiene	5.771	225	110923	86.432	ppm	99
49) Hexachloropropene	5.738	213	155071	92.188	ppm	94
50) 4-Chloro-3-methylphenol	6.209	107	150505	84.816	ppm	98
51) N-N-di-n-butylamine	6.033	84	114495	71.896	ppm	96
52) Caprolactam	6.081	113	47539	77.763	ppm	94
53) p-Phenylenediamine	6.075	80	44126	124.869	ppm	85
54) Safrole	6.241	162	140879	83.107	ppm	94
55) 2-Methylnaphthalene	6.327	142	335652	75.779	ppm	97
56) 1-Methylnaphthalene	6.423	142	317573	76.076	ppm	94
58) Hexachlorocyclopentadiene	6.466	237	87096	66.407	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.487	216	182602	80.471	ppm	97
60) 1,2,3,4-Tetrachloroben...	6.765	216	197002	83.205	ppm	99
61) 2,4,6-Trichlorophenol	6.610	196	113049m	83.516	ppm	
62) 2,4,5-Trichlorophenol	6.658	196	115546	77.893	ppm	97
64) Isosafrole	6.749	104	77783	88.025	ppm	82
65) 1,1'-Biphenyl	6.781	154	449528	77.899	ppm	98
66) 2-Chloronaphthalene	6.803	162	324591	76.713	ppm	97
67) 2-Nitroaniline	6.915	65	95730	85.023	ppm	88
68) 1,4-Naphthoquinone	6.990	158	101239	80.130	ppm	98
69) m-Dinitrobenzene	7.140	168	62060	81.436	ppm	88
70) Acenaphthylene	7.204	152	532406	78.118	ppm	99
71) Dimethyl phthalate	7.086	163	400642	78.195	ppm	100
72) 2,6-Dinitrotoluene	7.156	165	88537	80.311	ppm	88
73) Acenaphthene	7.375	153	371824	78.047	ppm	98
74) 3-Nitroaniline	7.327	138	94598	77.923	ppm	96
75) 2,4-Dinitrophenol	7.439	184	39479	65.389	ppm	91
76) Dibenzofuran	7.546	168	495991	79.766	ppm	87
77) 2,4-Dinitrotoluene	7.557	165	121466	78.002	ppm	82
78) 4-Nitrophenol	7.530	65	78513	99.487	ppm	# 59
79) Pentachlorobenzene	7.503	250	179080	81.755	ppm	98
80) 1-Naphthylamine	7.632	143	237512	79.089	ppm	97
81) 2-Naphthylamine	7.712	143	305359	81.890	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.675	232	96187	77.183	ppm	93
83) Fluorene	7.883	166	394972	78.392	ppm	98
84) 4-Chlorophenyl-phenyle...	7.883	204	185454	81.698	ppm	98
85) Diethylphthalate	7.776	149	436434	80.973	ppm	98
86) 4-Nitroaniline	7.931	138	97523	75.615	ppm	81
87) 5-Nitro-o-toluidine	7.915	152	116443	79.979	ppm	90
89) Sulfotepp	8.156	322	66590	86.068	ppm	96
90) Octachlorocyclopentene	8.119	307	86506	84.561	ppm	99
92) Thionazin	7.856	107	62309	74.472	ppm	91
93) 4,6-Dinitro-2-methylph...	7.958	198	71578	70.789	ppm	93
94) Diphenylamine	8.006	169	619288	149.502	ppm	99
95) 1,2 Diphenylhydrazine	8.038	77	390108	73.658	ppm	97
96) N-Nitrosodiphenylamine	8.006	169	619288	149.490	ppm	99
97) 1,3,5-Trinitrobenzene	8.333	213	38102	76.758	ppm	# 39
98) Diallate	8.279	86	134515	70.068	ppm	97

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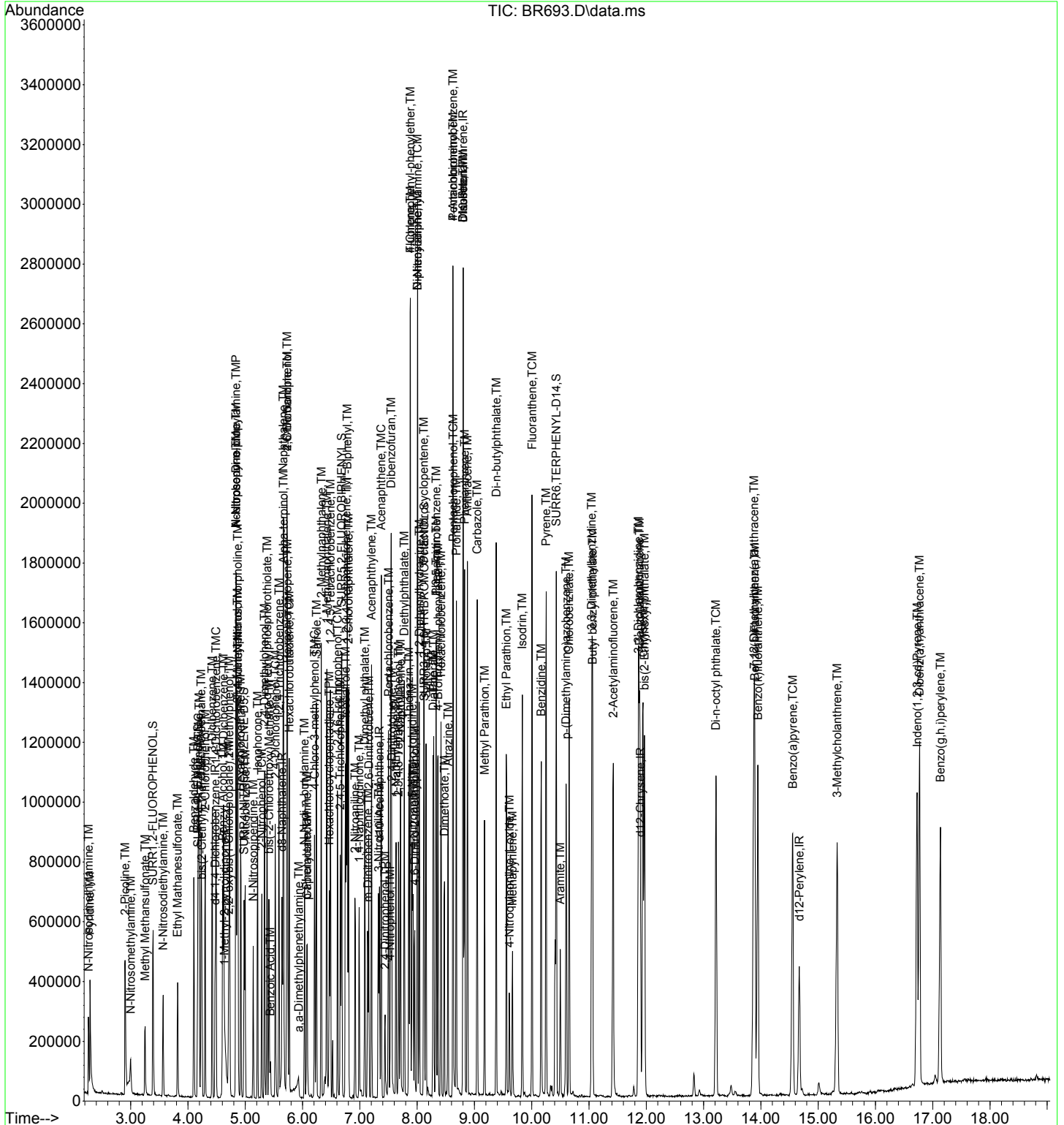
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Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.290	121	68928	69.853	ppm	91
100) Phenacetin	8.333	108	219939	84.693	ppm	97
101) 4-Bromophenyl-phenylether	8.365	248	112693	73.178	ppm	99
102) Hexachlorobenzene	8.418	284	145437	74.254	ppm	98
103) Dimethoate	8.477	87	116759	72.607	ppm	87
104) Atrazine	8.541	215	49475	89.958	ppm	89
105) Pentachlorophenol	8.632	266	59491	55.548	ppm	98
106) 4-Aminobiphenyl	8.627	169	333701	82.738	ppm	99
107) Pentachloronitrobenzene	8.627	237	74228	89.058	ppm	96
108) Pronamide	8.686	173	220825	81.618	ppm	97
109) Dinoseb	8.803	211	107940	75.494	ppm	95
110) Disulfoton	8.803	88	182461	70.681	ppm	80
111) Phenanthrene	8.830	178	571684	71.655	ppm	98
112) Anthracene	8.878	178	579109	73.929	ppm	99
113) Carbazole	9.049	167	558969	75.280	ppm	98
114) Di-n-butylphthalate	9.381	149	793651	77.039	ppm	99
115) 4-Nitroquinonline-1-oxide	9.611	190	31811	57.664	ppm	90
116) Fluoranthene	10.007	202	678921	77.527	ppm	98
118) Methyl Parathion	9.178	109	120480	81.819	ppm	92
119) Ethyl Parathion	9.557	97	105537	84.234	ppm	97
120) Methapyrilene	9.664	58	104196	101.141	ppm	90
121) Isodrin	9.835	193	73703	84.302	ppm	93
122) Benzidine	10.167	184	419550	95.093	ppm	97
123) Pyrene	10.253	202	695230	77.390	ppm	99
125) Aramite	10.499	185	75473m	80.936	ppm	
126) p-(Dimethylamino)azobe...	10.600	120	181093	81.991	ppm	93
127) Chlorobenzilate	10.654	139	246858	88.034	ppm	95
128) Butyl benzyl phthalate	11.066	149	368889	81.845	ppm	96
129) 3,3-Dimethylbenzidine	11.050	212	421713	87.461	ppm	98
130) 2-Acetylaminofluorene	11.424	181	307644	86.823	ppm	94
131) 3,3'-Dichlorobenzidine	11.863	252	295706	86.520	ppm	96
132) Benzo(a)anthracene	11.884	228	668902	78.555	ppm	98
133) Chrysene	11.943	228	614473	75.978	ppm	99
134) bis(2-Ethylhexyl)phtha...	11.970	149	527300	81.042	ppm	95
136) Di-n-octyl phthalate	13.216	149	904299	80.971	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.879	256	330072	78.947	ppm	95
138) Benzo(b)Fluoranthene	13.895	252	738121	76.959	ppm	95
139) Benzo(k)fluoranthene	13.949	252	698001	77.966	ppm	98
140) Benzo(a)pyrene	14.558	252	636505	79.648	ppm	98
141) 3-Methylcholanthrene	15.334	268	374289	80.268	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.730	276	668110	81.713	ppm	87
143) Dibenz(a,h)anthracene	16.773	278	698193	80.164	ppm	97
144) Benzo(g,h,i)perylene	17.136	276	574943	79.958	ppm	92

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

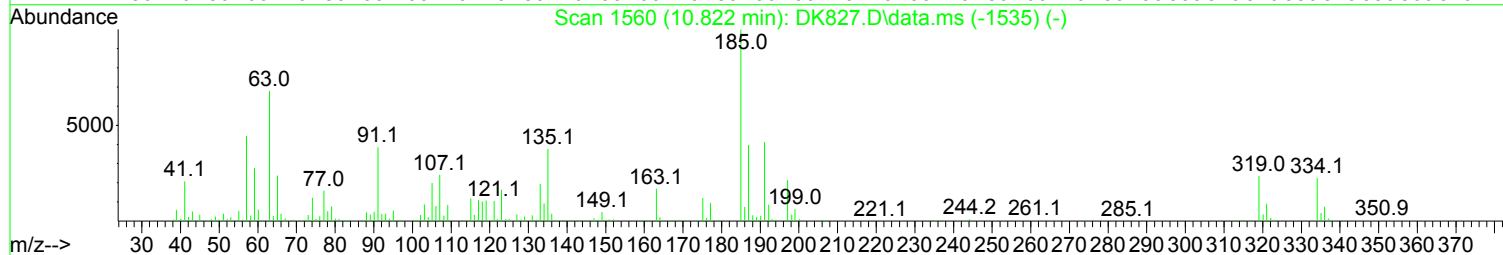
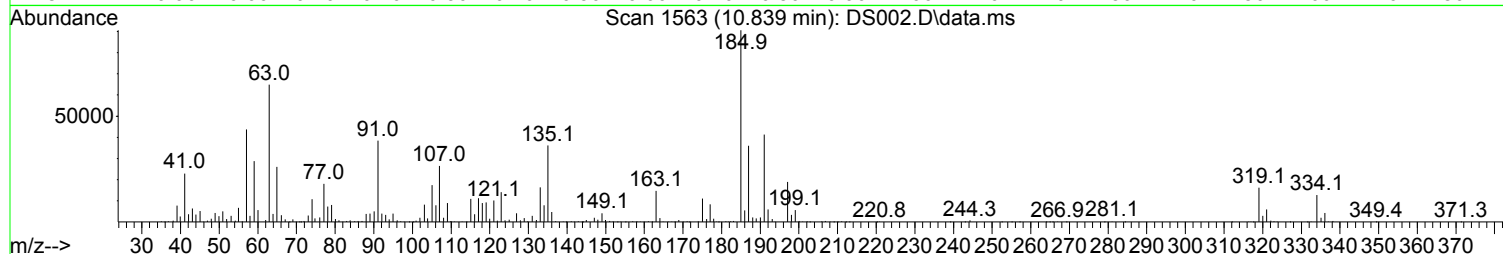
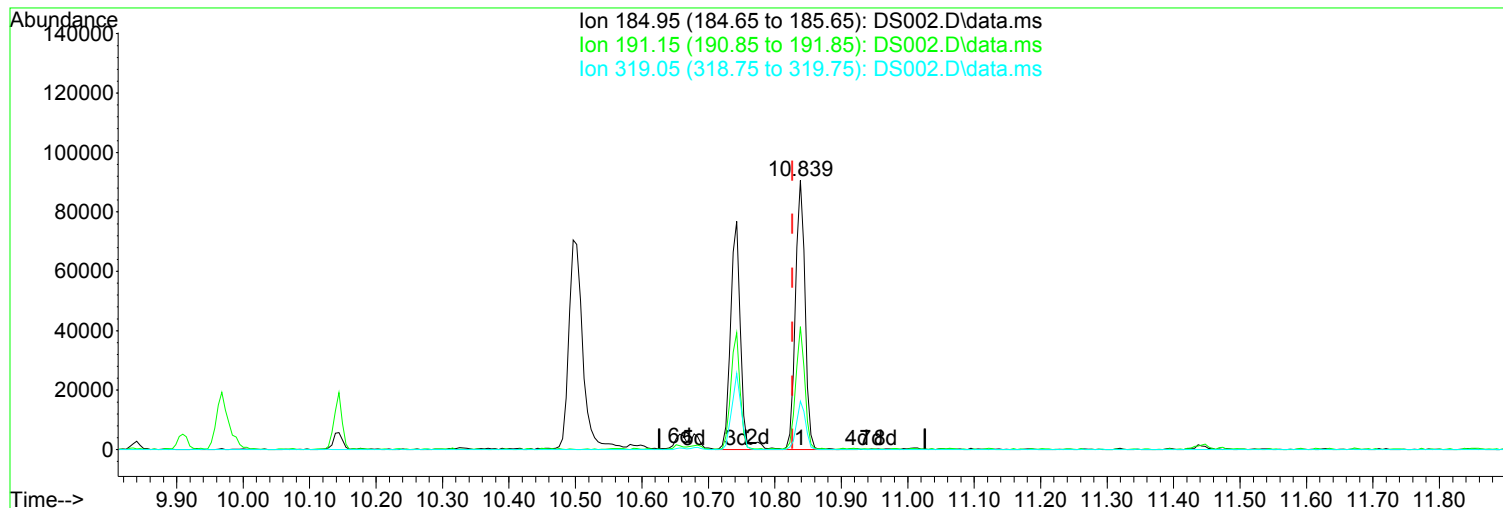
Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR693.D
Acq On : 8 May 2019 8:09 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 09 06:31:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:31:23 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 79.64 ppm m

After

response 171604

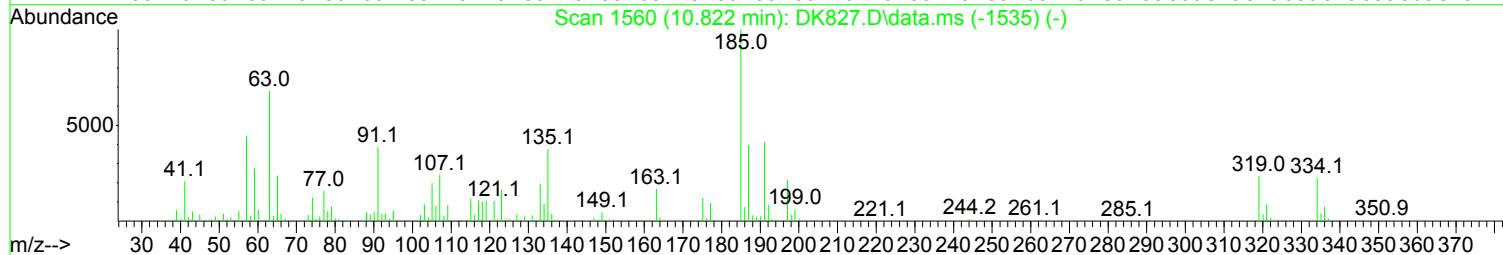
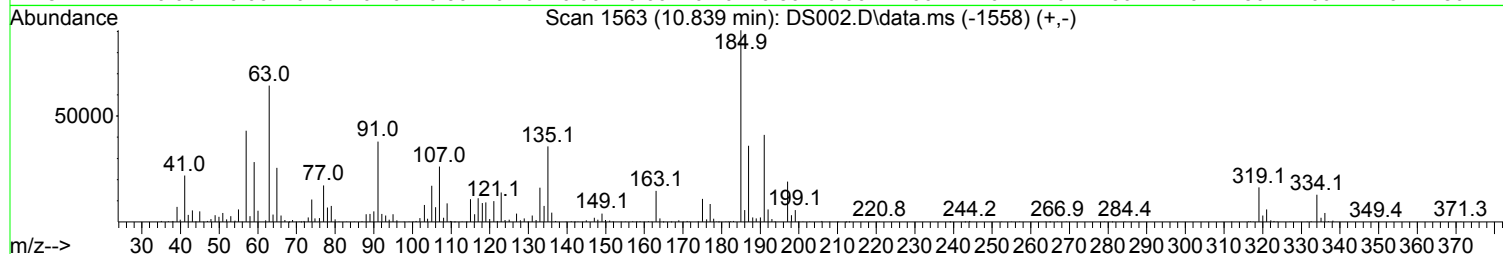
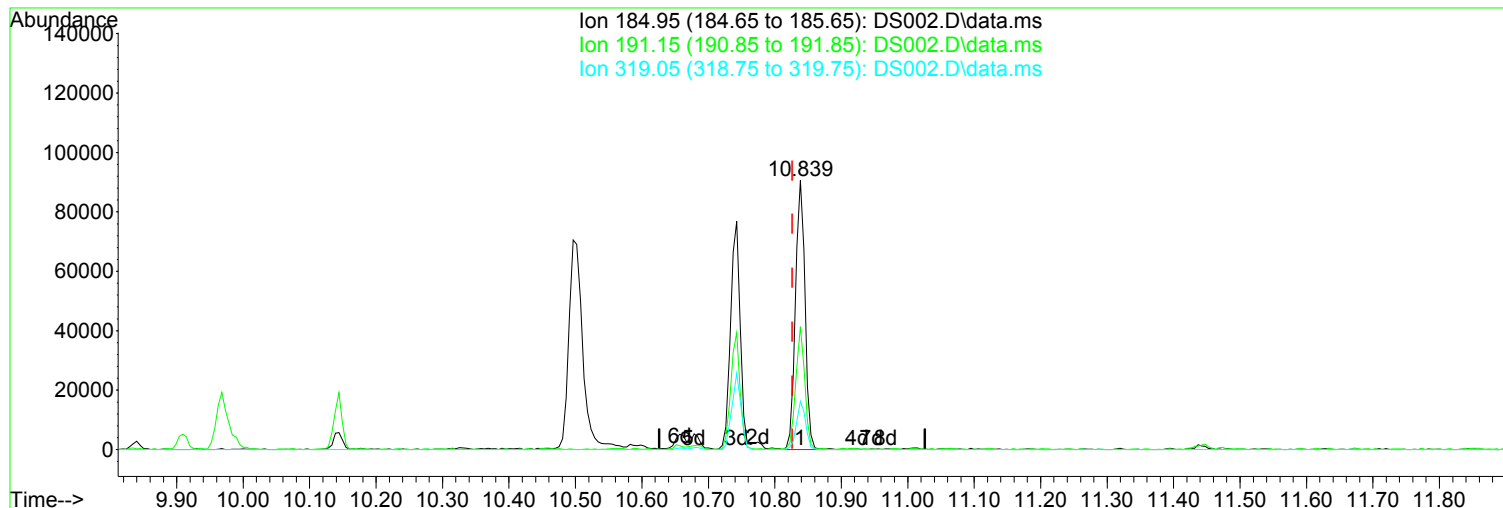
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.72
319.05	14.30	17.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 42.49 ppm

Before

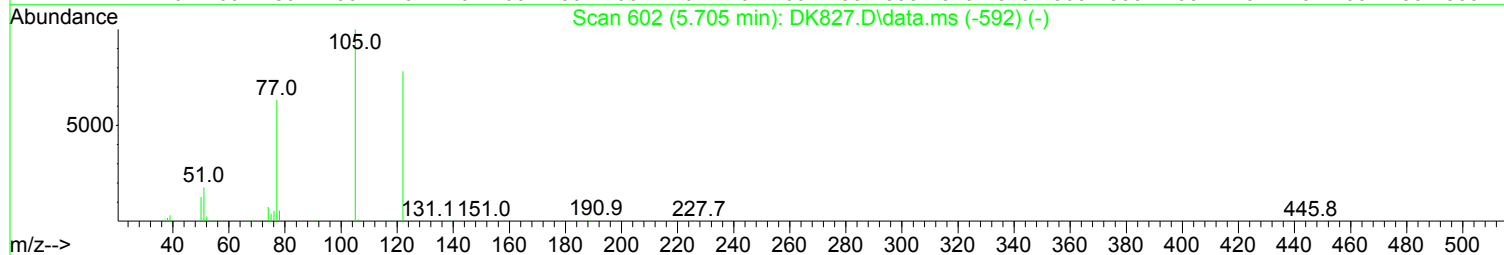
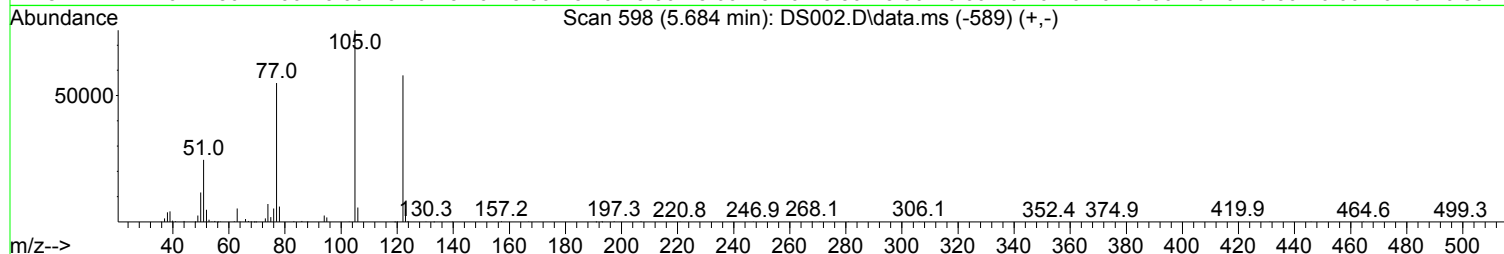
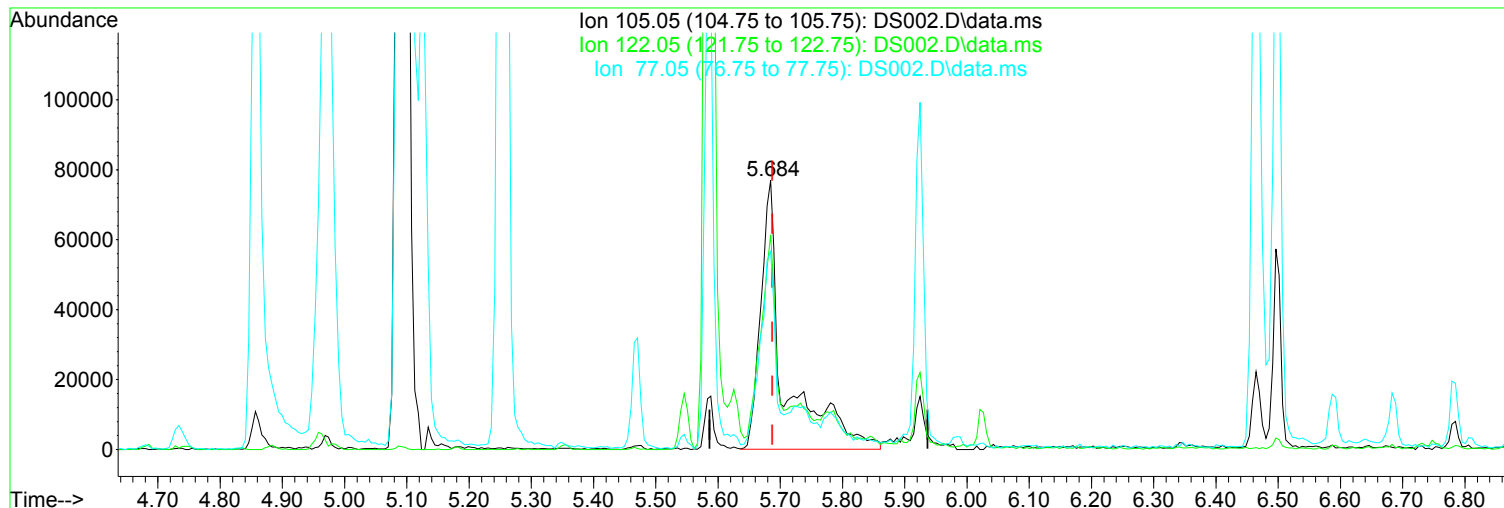
response 91545

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.49
319.05	14.30	17.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 80.29 ppm m

After

response 207876

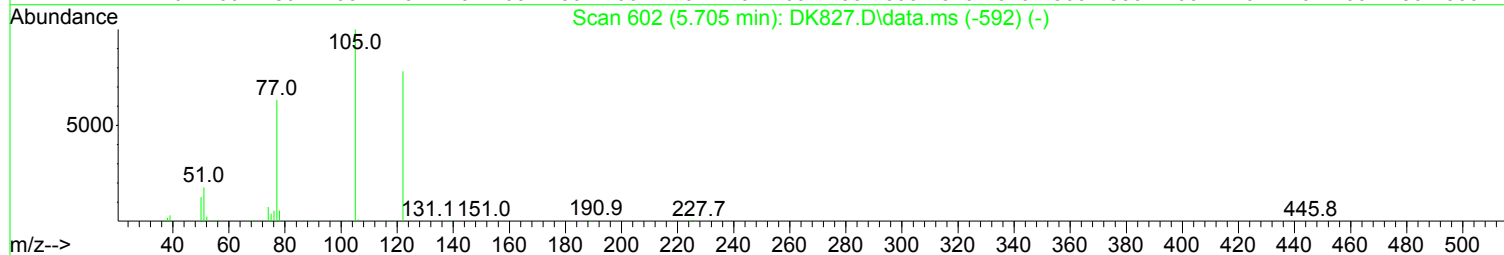
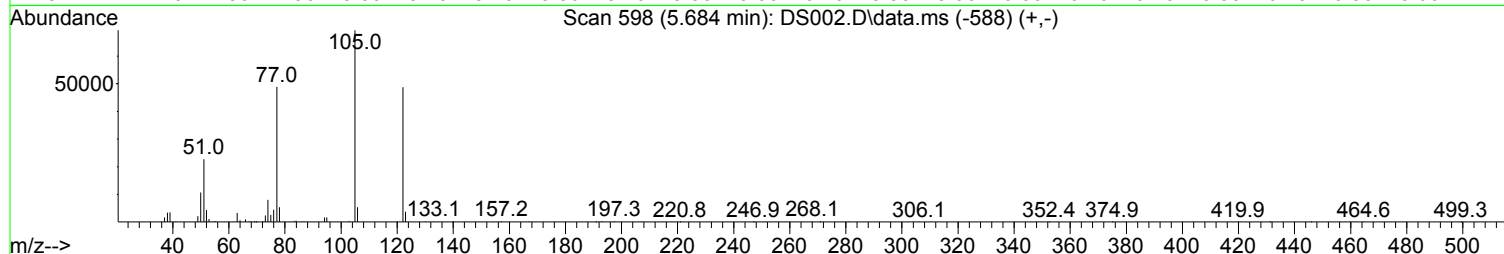
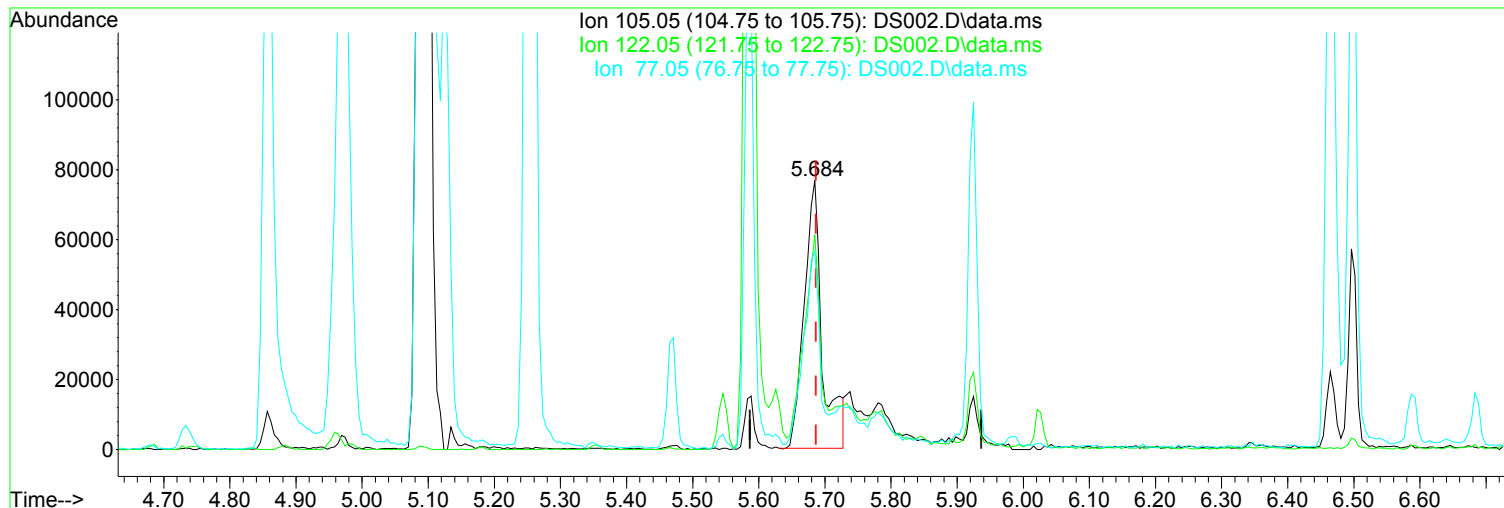
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	79.77
77.05	69.60	73.63
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 60.27 ppm

Before

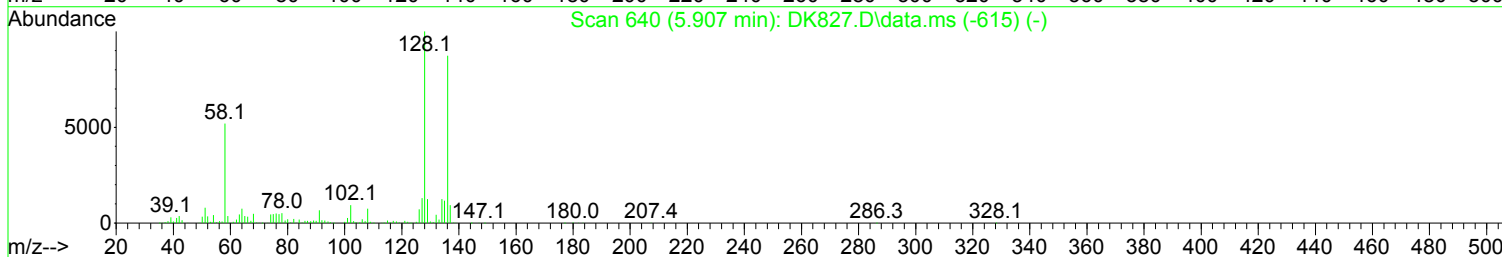
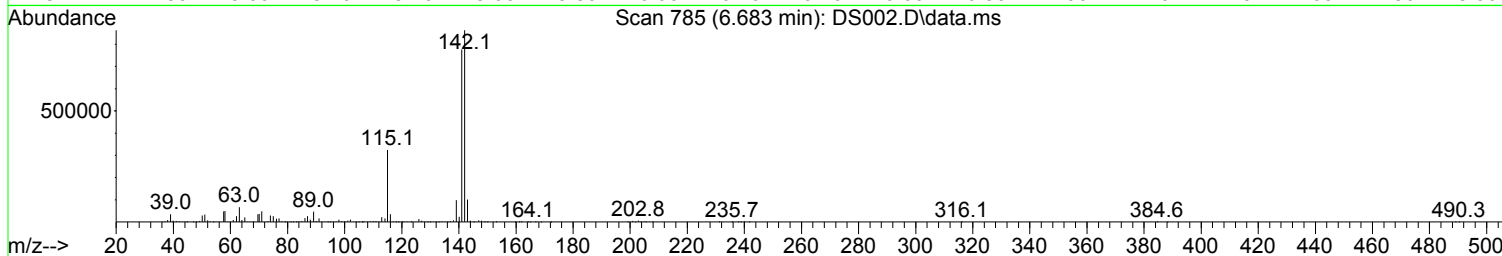
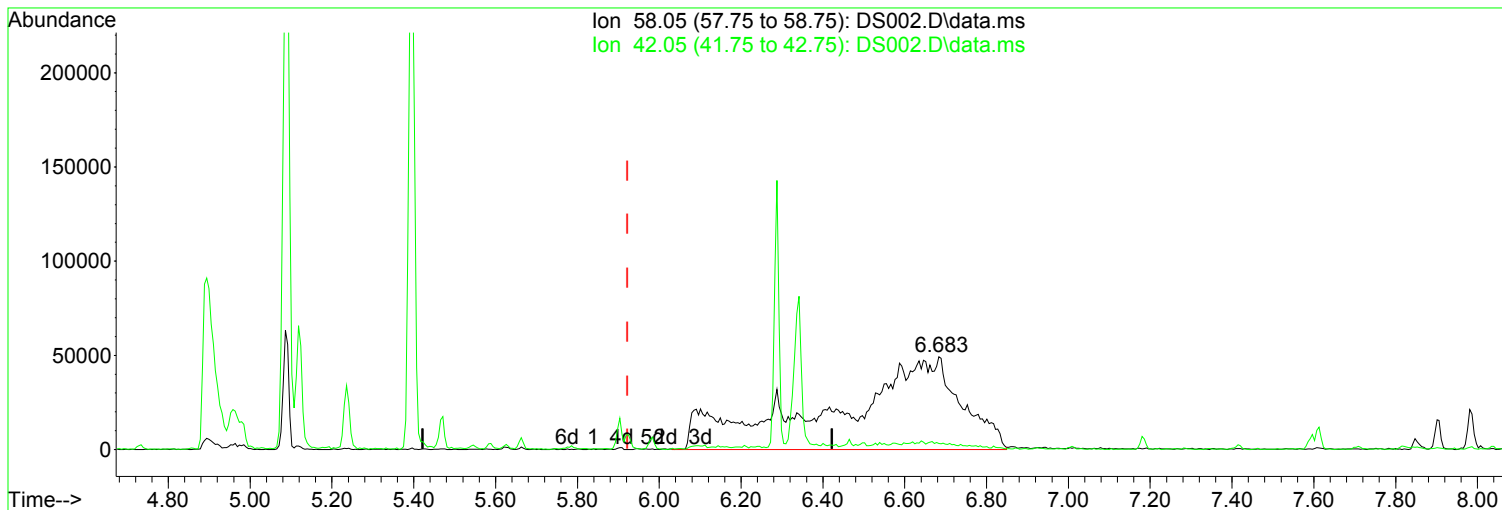
response 143753

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	70.31
77.05	69.60	70.39
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.683min (+ 0.761) 88.61 ppm m

After

response 1055879

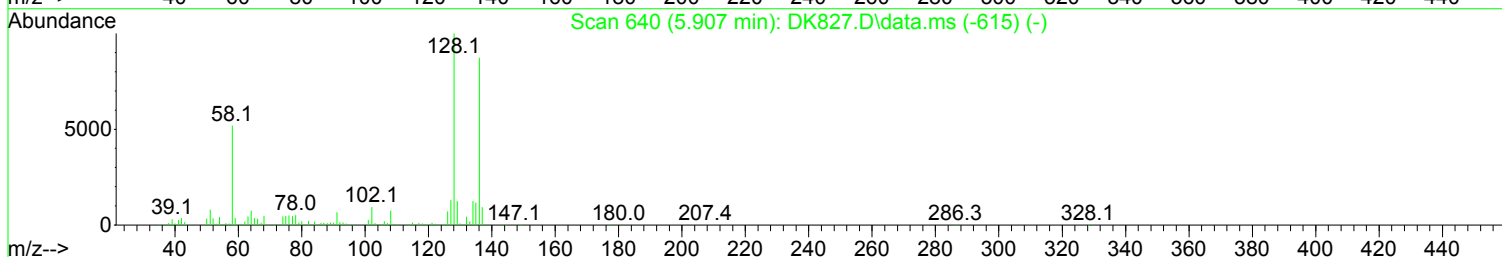
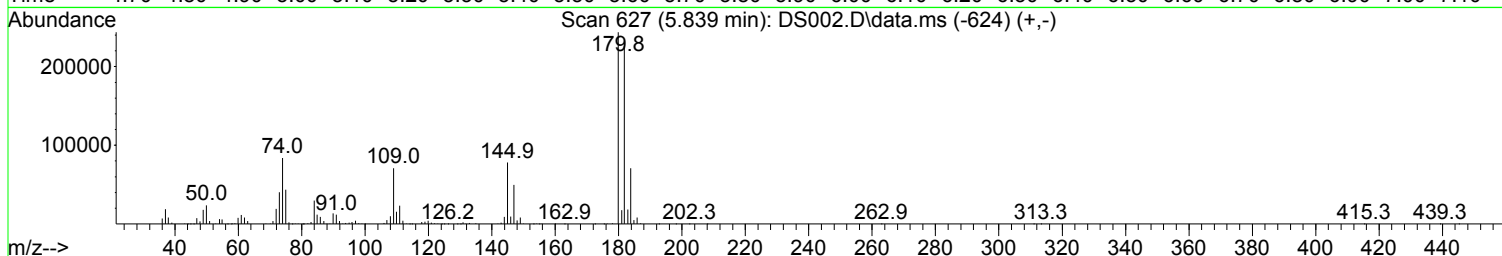
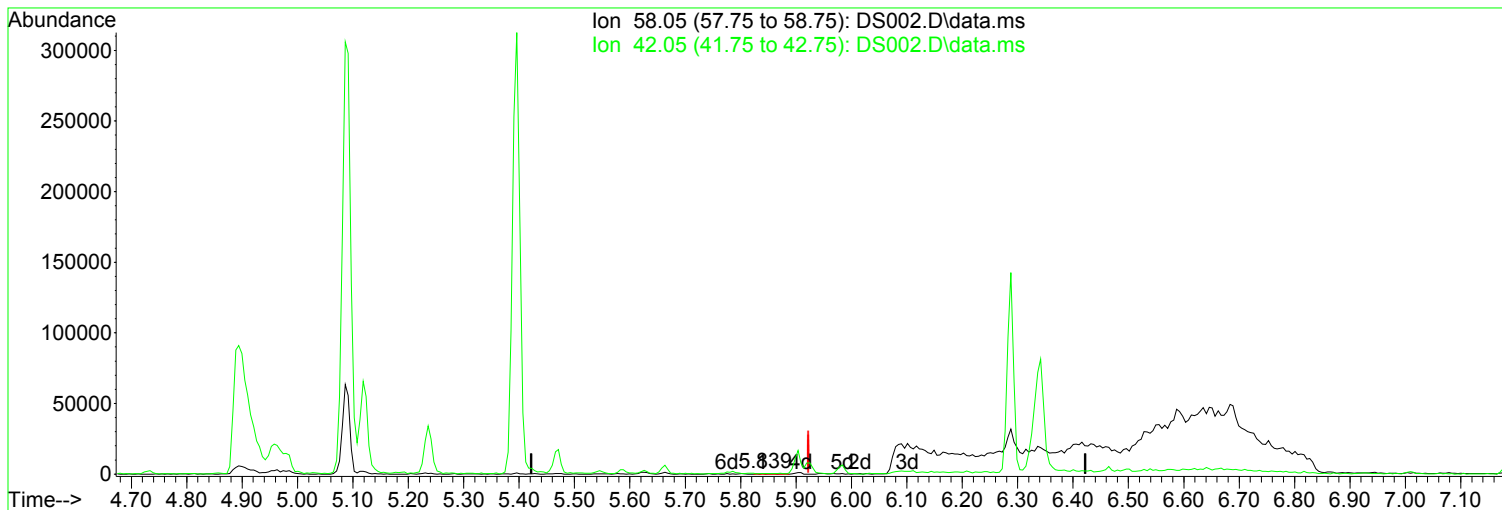
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.63
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DS002.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.839min (-0.083) 0.04 ppm

Before

response 436

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	148	0.00
2	TM Pyridine	1.563	1.659		-6.1	145	0.00
3	TM N-Nitrosodimethylamine	0.934	0.990		-6.0	148	0.00
4	TM 2-Picoline	1.589	1.574		0.9	143	0.00
5	TM N-Nitrosomethylamine	0.643	0.685		-6.5	160	0.00
6	TM Methyl Methansulfonate	0.724	0.692		4.4	139	0.00
7	S SURR1,2-FLUOROPHENOL	1.455	1.434		1.4	144	0.00
8	TM N-Nitrosodiethylamine	0.709	0.708		0.1	145	0.00
9	TM Ethyl Mathanesulfonate	1.223	1.198		2.0	149	0.00
10	TM Benzaldehyde	1.023	1.117		-9.2	167	0.00
11	TM Aniline	2.281	2.303		-1.0	147	0.00
12	S SURR2, PHENOL-D6	1.787	1.799		-0.7	145	0.00
13	TMC Phenol	1.955	1.973		-0.9	147	0.00
14	TM bis(2-Clethyl)Ether	1.353	1.340		1.0	150	0.00
15	TM Pentachloroethane	0.545	0.529		2.9	143	0.00
16	TM 2-Chlorophenol	1.536	1.533		0.2	146	0.00
17	TM 1,3-Diclbenzene	1.598	1.552		2.9	144	0.00
18	TMC 1,4-Dichlorobenzene	1.635	1.596		2.4	143	0.00
19	TM 1,2-Diclbenzene	1.563	1.511		3.3	144	0.00
20	TM Benzyl Alcohol	1.040	1.059		-1.8	148	0.00
21	T 1-Methyl-2-pyrrolidinone	0.950	0.991		-4.3	149	0.00
22	TM 2,2'-oxybis(1-Chloropropane	1.300	1.354		-4.2	155	0.00
23	TM 2-Methylphenol	1.378	1.362		1.2	150	0.00
24	TM 3+4-Methylphenol	1.559	1.550		0.6	147	0.00
25	TM Acetophenone	1.936	1.898		2.0	149	0.00
26	TMP N-Nitroso-Di-n-propylamine	1.044	1.070		-2.5	159	0.00
27	TM N-Nitrosopyrrolidine	0.759	0.752		0.9	147	0.00
28	TM N-Nitrosomorpholine	0.747	0.757		-1.3	159	0.00
29	TM o-Toluidine	2.150	2.098		2.4	148	0.00
30	TM Hexachloroethane	0.629	0.615		2.2	147	0.00
31	TM o,o,o-Triethylphosphorothio	0.656	0.651		0.8	149	0.00
32	TM Alpha-terpinol	0.511	0.506		1.0	150	0.00
33	IR d8-Naphthalene	1.000	1.000		0.0	153	0.00
34	S SURR4,NITROBENZENE-D5	0.406	0.398		2.0	152	0.00
35	TM Nitrobenzene	0.408	0.397		2.7	151	0.00
36	TM N-Nitrosopiperidine	0.222	0.236		-6.3	165	0.00
37	TM Isophorone	0.680	0.686		-0.9	154	0.00
38	TCM 2-Nitrophenol	0.211	0.212		-0.5	148	0.00
39	TM 2,4-Dimethylphenol	0.380	0.385		-1.3	150	0.00
40	TM bis(-2-Chloroethoxy)Methane	0.400	0.400		0.0	151	0.00
41	TM Benzoic Acid	0.144	0.165		-0.4	14.6 154	0.00
42	TCM 2,4-Dichlorophenol	0.301	0.298		1.0	145	0.00
43	TM a,a-Dimethylphenethylamine	0.759	0.840		-10.7	160	0.76#
44	TM 1,2,4-Trichlorobenzene	0.317	0.316		0.3	151	0.00
45	TM Naphthalene	1.102	1.036		6.0	144	0.00
46	TM 4-Chloroaniline	0.461	0.445		3.5	145	0.00
47	TM 2,6-Dichlorophenol	0.315	0.306		2.9	148	0.00
48	TCM Hexachlorobutadiene	0.161	0.162		-0.6	155	0.00
49	TM Hexachloropropene	0.201	0.199		1.0	149	0.00
50	TMC 4-Chloro-3-methylphenol	0.300	0.298		0.7	148	0.00
51	TM N-N-di-n-butylamine	0.238	0.235		1.3	152	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.111	6.7	149	0.02
53	TM	p-Phenylenediamine	0.077	0.067	13.0	123	0.01
54	TM	Safrole	0.283	0.275	2.8	146	0.00
55	TM	2-Methylnaphthalene	0.713	0.677	5.0	144	0.00
56	TM	1-Methylnaphthalene	0.668	0.628	6.0	146	0.00
57	IR	d10-Acenaphthene	1.000	1.000	0.0	147	0.00
58	TPM	Hexachlorocyclopentadiene	0.240	0.280	-1.3	16.7 144	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.608	-3.2	154	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.634	-2.3	152	0.00
61	TCM	2,4,6-Trichlorophenol	0.373	0.400	-7.2	154	0.00
62	TM	2,4,5-Trichlorophenol	0.401	0.418	-4.2	149	0.00
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.474	3.1	145	0.00
64	TM	Isosafrole	0.257	0.257	0.0	152	0.00
65	TM	1,1'-Biphenyl	1.772	1.723	2.8	145	0.00
66	TM	2-Chloronaphthalene	1.281	1.251	2.3	147	0.00
67	TM	2-Nitroaniline	0.366	0.367	-0.3	157	0.00
68	TM	1,4-Naphthoquinone	0.402	0.392	2.5	137	0.00
69	TM	m-Dinitrobenzene	0.252	0.261	-3.6	155	0.00
70	TM	Acenaphthylene	2.051	2.022	1.4	148	0.00
71	TM	Dimethyl phthalate	1.497	1.397	6.7	147	0.00
72	TM	2,6-Dinitrotoluene	0.340	0.332	2.4	150	0.00
73	TMC	Acenaphthene	1.427	1.399	2.0	146	0.00
74	TM	3-Nitroaniline	0.391	0.381	2.6	145	0.00
75	TPM	2,4-Dinitrophenol	0.117	0.155	-13.3	32.5 171	0.00
76	TM	Dibenzofuran	1.762	1.735	1.5	146	0.00
77	TM	2,4-Dinitrotoluene	0.449	0.458	-2.0	150	0.00
78	TMP	4-Nitrophenol	0.256	0.291	-13.7	159	0.00
79	TM	Pentachlorobenzene	0.472	0.504	-6.8	159	0.00
80	TM	1-Naphthylamine	0.928	0.878	5.4	146	0.00
81	TM	2-Naphthylamine	1.182	1.133	4.1	147	0.00
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.309	-14.9	160	0.00
83	TM	Fluorene	1.449	1.401	3.3	149	0.00
84	TM	4-Chlorophenyl-phenylether	0.585	0.599	-2.4	154	0.00
85	TM	Diethylphthalate	1.483	1.464	1.3	150	0.00
86	TM	4-Nitroaniline	0.385	0.391	-1.6	143	0.00
87	TM	5-Nitro-o-toluidine	0.438	0.431	1.6	143	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.181	-10.4	165	0.00
89	TM	Sulfotepp	0.185	0.204	-10.3	167	0.00
90	TM	Octachlorocyclopentene	0.188	0.201	-6.9	153	0.00
91	IR	d10-Phenanthrene	1.000	1.000	0.0	148	0.00
92	TM	Thionazin	0.157	0.151	3.8	149	0.00
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.169	-9.7	158	0.00
94	TM	Diphenylamine	0.707	0.686	3.0	148	0.00
95	TM	1,2 Diphenylhydrazine	0.892	0.876	1.8	155	0.00
96	TCM	N-Nitrosodiphenylamine	0.707	0.686	3.0	148	0.00
97	TM	1,3,5-Trinitrobenzene	0.128	0.134	-4.7	152	0.02
98	TM	Diallate	0.368	0.341	7.3	152	0.00
99	TM	Phorate	0.185	0.172	7.0	144	0.00
100	TM	Phenacetin	0.466	0.475	-1.9	150	0.02
101	TM	4-Bromophenyl-phenylether	0.209	0.204	2.4	150	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.235	0.240		-2.1	161	0.00
103	TM Dimethoate	0.306	0.294		3.9	148	0.02
104	TM Atrazine	0.114	0.106		7.0	140	0.00
105	TCM Pentachlorophenol	0.077	0.125	-34.4	62.3 #	207#	0.00
106	TM 4-Aminobiphenyl	0.718	0.696		3.1	142	0.00
107	TM Pentachloronitrobenzene	0.087	0.100		-14.9	166	0.00
108	TM Pronamide	0.409	0.428		-4.6	148	0.00
109	TM Dinoseb	0.203	0.227		-11.8	158	0.00
110	TM Disulfoton	0.439	0.420		4.3	148	0.00
111	TM Phenanthrene	1.265	1.215		4.0	145	0.00
112	TM Anthracene	1.257	1.238		1.5	148	0.00
113	TM Carbazole	1.235	1.216		1.5	144	0.00
114	TM Di-n-butylphthalate	1.596	1.616		-1.3	151	0.00
115	TM 4-Nitroquinoline-1-oxide	0.075	0.055		26.7#	104	0.00
116	TCM Fluoranthene	1.295	1.319		-1.9	148	0.00
117	IR d12-Chrysene	1.000	1.000		0.0	151	0.00
118	TM Methyl Parathion	0.317	0.301		5.0	140	0.00
119	TM Ethyl Parathion	0.237	0.242		-2.1	153	0.00
120	TM Methapyrilene	0.345	0.274		20.6#	120	0.02
121	TM Isodrin	0.146	0.142		2.7	147	0.00
122	TM Benzidine	0.939	0.869		7.5	132	0.00
123	TM Pyrene	1.469	1.511		-2.9	148	0.00
124	S SURR6, TERPHENYL-D14	0.942	0.977		-3.7	153	0.00
125	TM Aramite	0.201	0.200		0.5	147	0.01
126	TM p-(Dimethylamino)azobenzene	0.436	0.438		-0.5	140	0.00
127	TM Chlorobenzilate	0.510	0.521		-2.2	148	0.00
128	TM Butyl benzyl phthalate	0.815	0.817		-0.2	149	0.00
129	TM 3,3-Dimethylbenzidine	0.893	0.811		9.2	131	0.00
130	TM 2-Acetylaminofluorene	0.651	0.643		1.2	142	0.01
131	TM 3,3'-Dichlorobenzidine	0.532	0.511		3.9	143	0.00
132	TM Benzo(a)anthracene	1.358	1.335		1.7	148	0.01
133	TM Chrysene	1.250	1.242		0.6	149	0.00
134	TM bis(2-Ethylhexyl)phthalate	1.121	1.120		0.1	149	0.00
135	IR d12-Perylene	1.000	1.000		0.0	148	0.02
136	TCM Di-n-octyl phthalate	1.898	1.896		0.1	147	0.00
137	TM 7,12-Dimethylbenz(a)anthrac	0.605	0.621		-2.6	148	0.01
138	TM Benzo(b)Fluoranthene	1.331	1.347		-1.2	148	0.02
139	TM Benzo(k)fluoranthene	1.261	1.262		-0.1	145	0.02
140	TCM Benzo(a)pyrene	1.145	1.164		-1.7	148	0.02
141	TM 3-Methylcholanthrene	0.670	0.670		0.0	145	0.02
142	TM Indeno(1,2,3-cd)Pyrene	1.123	1.177		-4.8	156	0.02
143	TM Dibenz(a,h)anthracene	1.176	1.216		-3.4	151	0.02
144	TM Benzo(g,h,i)perylene	0.968	0.995		-2.8	153	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	164546	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	628353	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	301006	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	470232	40.00	ppm	0.00
117) d12-Chrysene	12.361	240	428068	40.00	ppm	0.00
135) d12-Perylene	15.309	264	421409	40.00	ppm	0.02

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	471942	78.85	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	78.85%#
12) SURR2,PHENOL-D6	4.419	99	592032	80.52	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	80.52%
34) SURR4,NITROBENZENE-D5	5.236	82	500719	78.53	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	157.06%#
63) SURR5,2-FLUOROBIPHENYL	6.945	172	887295	77.52	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	155.04%#
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	109094	88.51	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	88.51%
124) SURR6,TERPHENYL-D14	10.774	244	836580	82.96	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	165.92%#

Target Compounds						Qvalue
2) Pyridine	2.619	79	546044	84.950	ppm	97
3) N-Nitrosodimethylamine	2.587	74	325714	84.791	ppm	99
4) 2-Picoline	3.195	93	517910	79.249	ppm	98
5) N-Nitrosomethylamine	3.281	42	225550	85.319	ppm	94
6) Methyl Methansulfonate	3.521	80	227718	76.490	ppm	97
8) N-Nitrosodiethylamine	3.831	102	233089	79.870	ppm	97
9) Ethyl Mathanesulfonate	4.077	79	394357	78.390	ppm	99
10) Benzaldehyde	4.365	106	367483	87.306	ppm	99
11) Aniline	4.451	93	757989	80.773	ppm	90
13) Phenol	4.435	94	649220	80.732	ppm	98
14) bis(2-Clethyl)Ether	4.493	93	440857	79.232	ppm	96
15) Pentachloroethane	4.488	117	174007	77.671	ppm	95
16) 2-Chlorophenol	4.557	128	504344	79.842	ppm	99
17) 1,3-Diclbzene	4.680	146	510632	77.675	ppm	97
18) 1,4-Dichlorobenzene	4.750	146	525158	78.062	ppm	98
19) 1,2-Diclbzene	4.883	146	497109	77.336	ppm	98
20) Benzyl Alcohol	4.857	79	348473	81.454	ppm	97
21) 1-Methyl-2-pyrrolidinone	4.894	99	326288	83.449	ppm	92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	445493	83.324	ppm #	80
23) 2-Methylphenol	4.974	108	448127	79.064	ppm	95
24) 3+4-Methylphenol	5.108	108	510129	79.543	ppm	97
25) Acetophenone	5.092	105	624592	78.413	ppm	99
26) N-Nitroso-Di-n-propyla...	5.086	70	352198	81.983	ppm	96
27) N-Nitrosopyrrolidine	5.092	100	247492	79.226	ppm	91
28) N-Nitrosomorpholine	5.118	56	249165	81.031	ppm	90
29) o-Toluidine	5.124	106	690513	78.064	ppm	96
30) Hexachloroethane	5.182	117	202392	78.161	ppm	98
31) o,o,o-Triethylphosphor...	5.626	198	214263	79.449	ppm	98
32) Alpha-terpinol	5.925	121	166378	79.157	ppm	93
35) Nitrobenzene	5.252	77	498844	77.892	ppm	94
36) N-Nitrosopiperidine	5.396	42	296144	85.075	ppm	97
37) Isophorone	5.471	82	861699	80.723	ppm	100
38) 2-Nitrophenol	5.546	139	266382	80.394	ppm	95

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.583	107	484339	81.172	ppm	92
40) bis(-2-Chloroethoxy)Me...	5.663	93	502476	80.058	ppm	100
41) Benzoic Acid	5.684	105	207876m	80.289	ppm	
42) 2,4-Dichlorophenol	5.786	162	374605	79.260	ppm	93
43) a,a-Dimethylphenethyla...	6.683	58	1055879m	88.614	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	397721	79.811	ppm	98
45) Naphthalene	5.925	128	1302371	75.203	ppm	99
46) 4-Chloroaniline	5.984	127	559468	77.204	ppm	99
47) 2,6-Dichlorophenol	5.989	162	384947	77.888	ppm	97
48) Hexachlorobutadiene	6.026	225	203500	80.597	ppm	97
49) Hexachloropropene	6.000	213	250183	79.302	ppm	94
50) 4-Chloro-3-methylphenol	6.464	107	374968	79.436	ppm	87
51) N-N-di-n-butylamine	6.288	84	294907	78.783	ppm	98
52) Caprolactam	6.341	113	139501	74.464	ppm	96
53) p-Phenylenediamine	6.347	80	83822	69.378	ppm	85
54) Safrole	6.496	162	345031	77.617	ppm	97
55) 2-Methylnaphthalene	6.587	142	850748	75.907	ppm	97
56) 1-Methylnaphthalene	6.683	142	789230	75.267	ppm	98
58) Hexachlorocyclopentadiene	6.731	237	168678	81.062	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.753	216	365883	82.589	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	381972	81.881	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	240937	85.865	ppm	97
62) 2,4,5-Trichlorophenol	6.929	196	251433	83.311	ppm	99
64) Isosafrole	7.009	104	154538	79.829	ppm	92
65) 1,1'-Biphenyl	7.046	154	1037497	77.806	ppm	98
66) 2-Chloronaphthalene	7.068	162	753377	78.169	ppm	98
67) 2-Nitroaniline	7.180	65	220911	80.187	ppm	94
68) 1,4-Naphthoquinone	7.255	158	235850	77.951	ppm	95
69) m-Dinitrobenzene	7.399	168	157416	83.134	ppm	88
70) Acenaphthylene	7.474	152	1217453	78.866	ppm	99
71) Dimethyl phthalate	7.345	163	841143	74.648	ppm	99
72) 2,6-Dinitrotoluene	7.415	165	199829	78.114	ppm	87
73) Acenaphthene	7.645	153	841937	78.402	ppm	98
74) 3-Nitroaniline	7.591	138	229344	77.987	ppm	98
75) 2,4-Dinitrophenol	7.709	184	93081	90.674	ppm	92
76) Dibenzofuran	7.815	168	1044410	78.760	ppm	97
77) 2,4-Dinitrotoluene	7.821	165	275882	81.657	ppm	97
78) 4-Nitrophenol	7.815	65	174923	90.662	ppm	# 1
79) Pentachlorobenzene	7.773	250	303427	85.463	ppm	98
80) 1-Naphthylamine	7.906	143	528339	75.656	ppm	99
81) 2-Naphthylamine	7.986	143	682167	76.717	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.949	232	185771	91.748	ppm	93
83) Fluorene	8.157	166	843533	77.367	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	360883	82.045	ppm	93
85) Diethylphthalate	8.040	149	881105	78.957	ppm	100
86) 4-Nitroaniline	8.211	138	235557	81.207	ppm	98
87) 5-Nitro-o-toluidine	8.189	152	259322	78.742	ppm	97
89) Sulfotepp	8.419	322	122677	88.081	ppm	76
90) Octachlorocyclopentene	8.392	307	120785	85.191	ppm	97
92) Thionazin	8.120	107	141926	76.932	ppm	94
93) 4,6-Dinitro-2-methylph...	8.227	198	158527	87.458	ppm	96
94) Diphenylamine	8.275	169	1289643	155.203	ppm	99
95) 1,2 Diphenylhydrazine	8.307	77	823564	78.542	ppm	97
96) N-Nitrosodiphenylamine	8.275	169	1289643	155.203	ppm	99
97) 1,3,5-Trinitrobenzene	8.611	74	126047	84.046	ppm	95
98) Diallate	8.547	86	321009	74.247	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

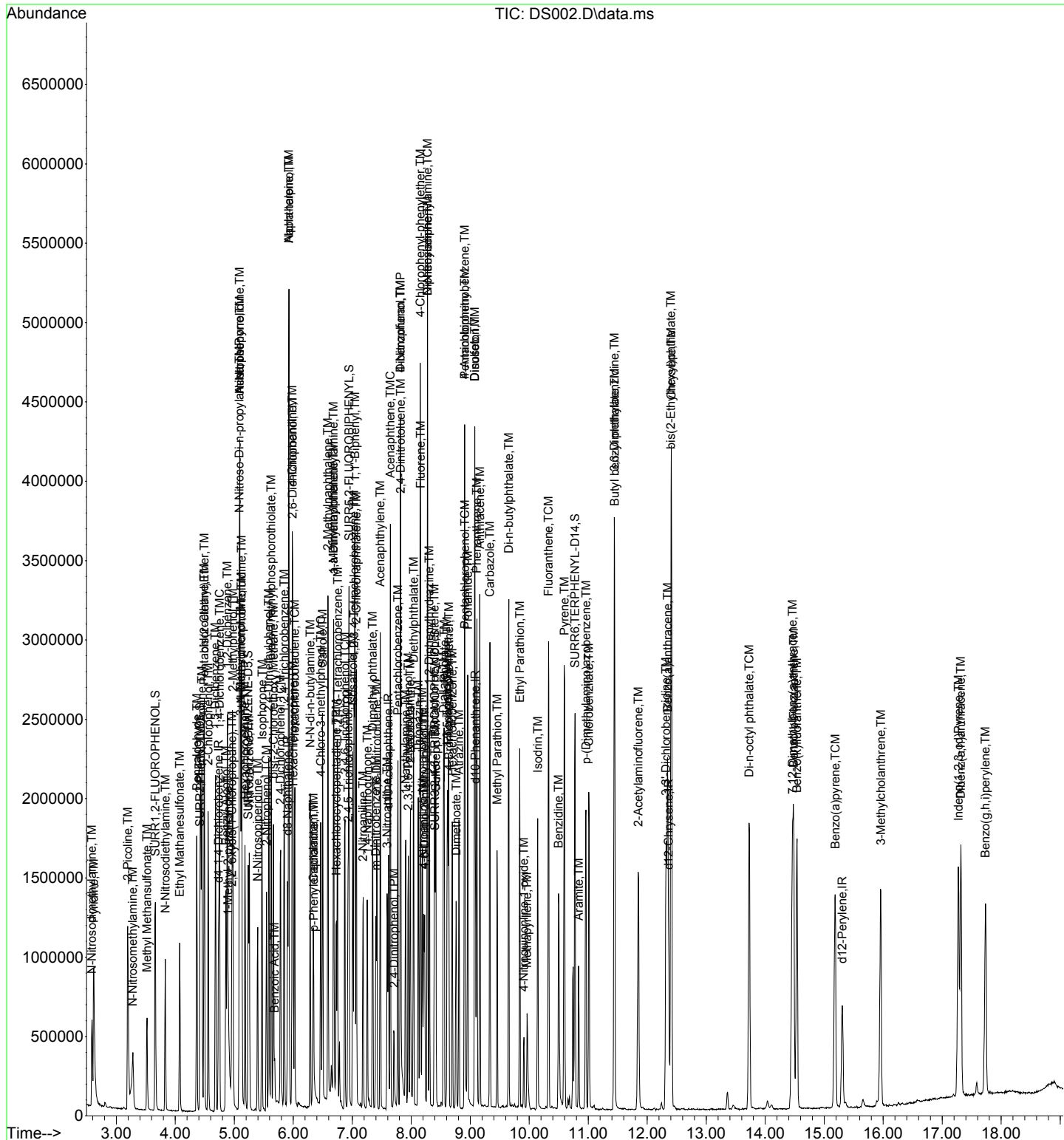
Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	161572	74.283	ppm	92
100) Phenacetin	8.617	108	446538	81.510	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	191696	77.964	ppm	94
102) Hexachlorobenzene	8.697	284	225739	81.641	ppm	94
103) Dimethoate	8.761	87	276104	76.847	ppm	94
104) Atrazine	8.809	215	99743	74.186	ppm	97
105) Pentachlorophenol	8.910	266	117487	107.503	ppm	93
106) 4-Aminobiphenyl	8.905	169	654837	77.556	ppm	100
107) Pentachloronitrobenzene	8.905	237	94034	92.056	ppm	93
108) Pronamide	8.958	173	402587	83.737	ppm	98
109) Dinoseb	9.076	211	213054	89.303	ppm	95
110) Disulfoton	9.076	88	394774	76.544	ppm	94
111) Phenanthrene	9.113	178	1142394	76.820	ppm	100
112) Anthracene	9.161	178	1164487	78.810	ppm	98
113) Carbazole	9.332	167	1143228	78.766	ppm	99
114) Di-n-butylphthalate	9.653	149	1520007	81.023	ppm	99
115) 4-Nitroquinonline-1-oxide	9.909	190	52011	59.129	ppm	88
116) Fluoranthene	10.326	202	1240017	81.449	ppm	99
118) Methyl Parathion	9.455	109	257641	75.917	ppm	97
119) Ethyl Parathion	9.840	97	206963	81.624	ppm	98
120) Methapyrilene	9.963	58	234952	63.697	ppm	100
121) Isodrin	10.144	193	121947	77.915	ppm	93
122) Benzidine	10.497	184	744311	74.103	ppm	99
123) Pyrene	10.598	202	1293288	82.275	ppm	100
125) Aramite	10.839	185	171604m	79.643	ppm	
126) p-(Dimethylamino)azobe...	10.961	120	374791	80.258	ppm	96
127) Chlorobenzilate	11.009	139	446333	81.814	ppm	94
128) Butyl benzyl phthalate	11.447	149	699071	80.166	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	694217	72.608	ppm	98
130) 2-Acetylaminofluorene	11.848	181	550328	79.022	ppm	97
131) 3,3'-Dichlorobenzidine	12.318	252	437801	76.890	ppm	96
132) Benzo(a)anthracene	12.345	228	1142563	78.606	ppm	99
133) Chrysene	12.409	228	1063039	79.498	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.403	149	958854	79.905	ppm	98
136) Di-n-octyl phthalate	13.728	149	1598391	79.922	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.460	256	523504	82.175	ppm	99
138) Benzo(b)Fluoranthene	14.481	252	1135657	80.982	ppm	98
139) Benzo(k)fluoranthene	14.540	252	1063968	80.106	ppm	99
140) Benzo(a)pyrene	15.186	252	981373	81.373	ppm	98
141) 3-Methylcholanthrene	15.961	268	564288	79.890	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.275	276	991602	83.841	ppm	95
143) Dibenz(a,h)anthracene	17.317	278	1025110	82.722	ppm	98
144) Benzo(g,h,i)perylene	17.734	276	838247	82.234	ppm	97

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

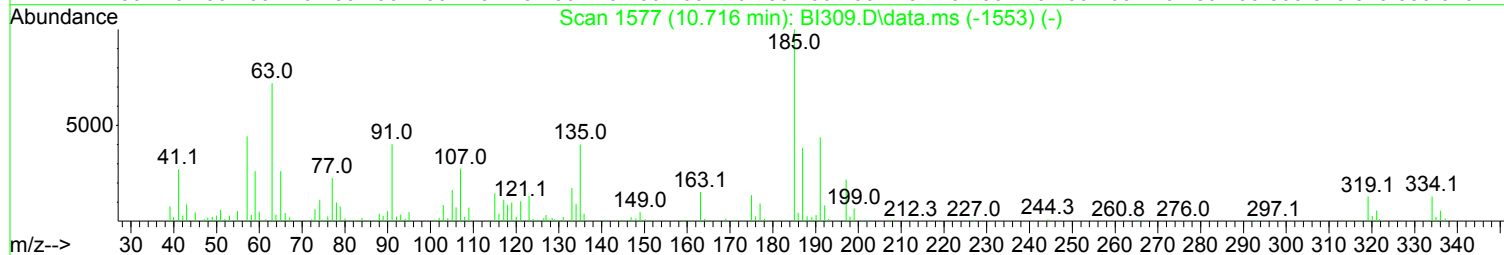
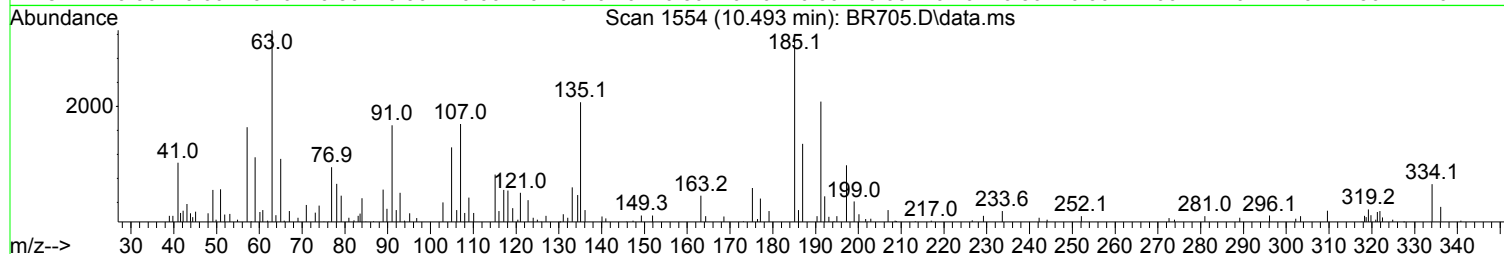
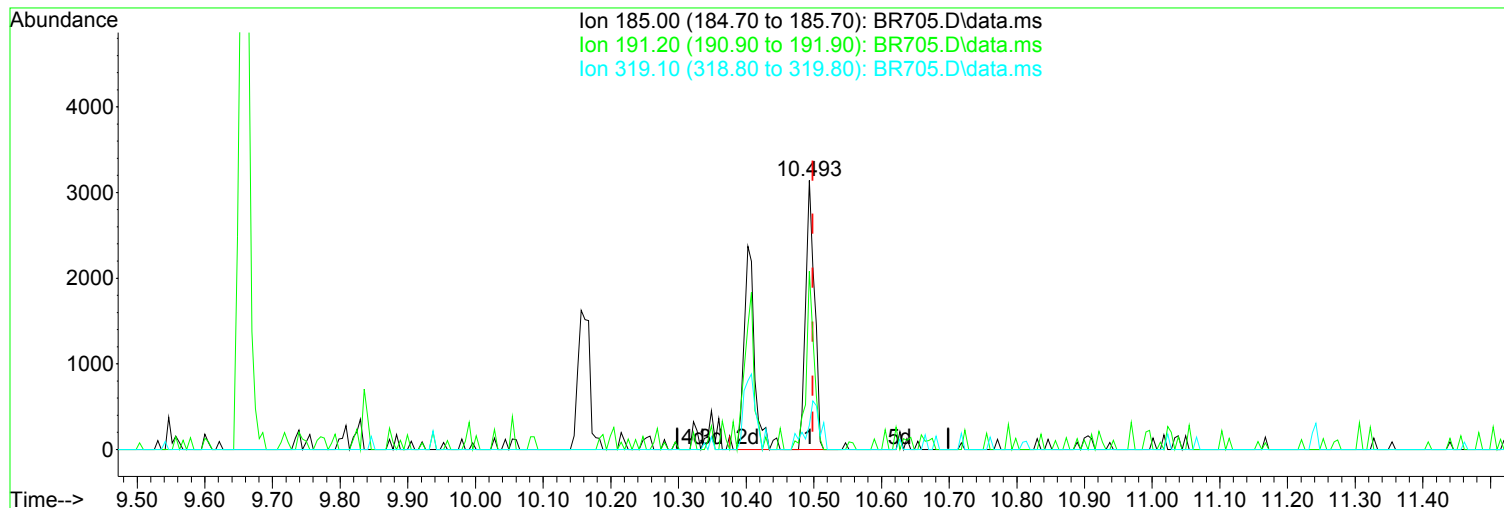
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.493min (-0.006) 5.89 ppm m

After

response 5470

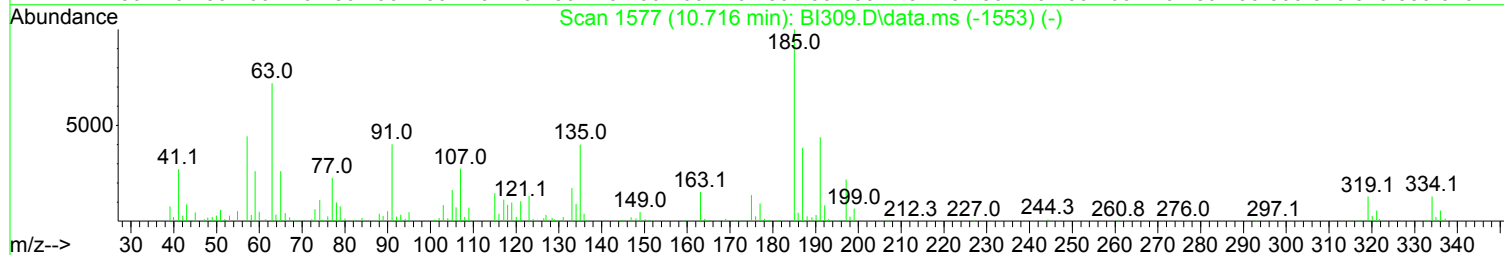
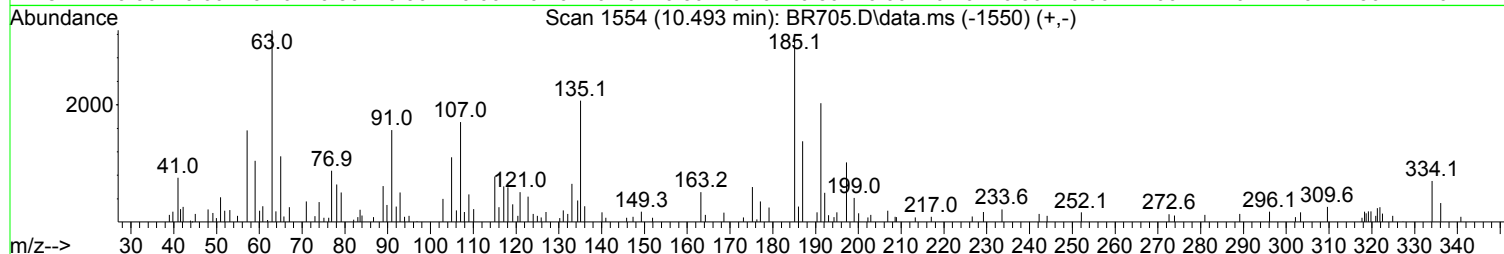
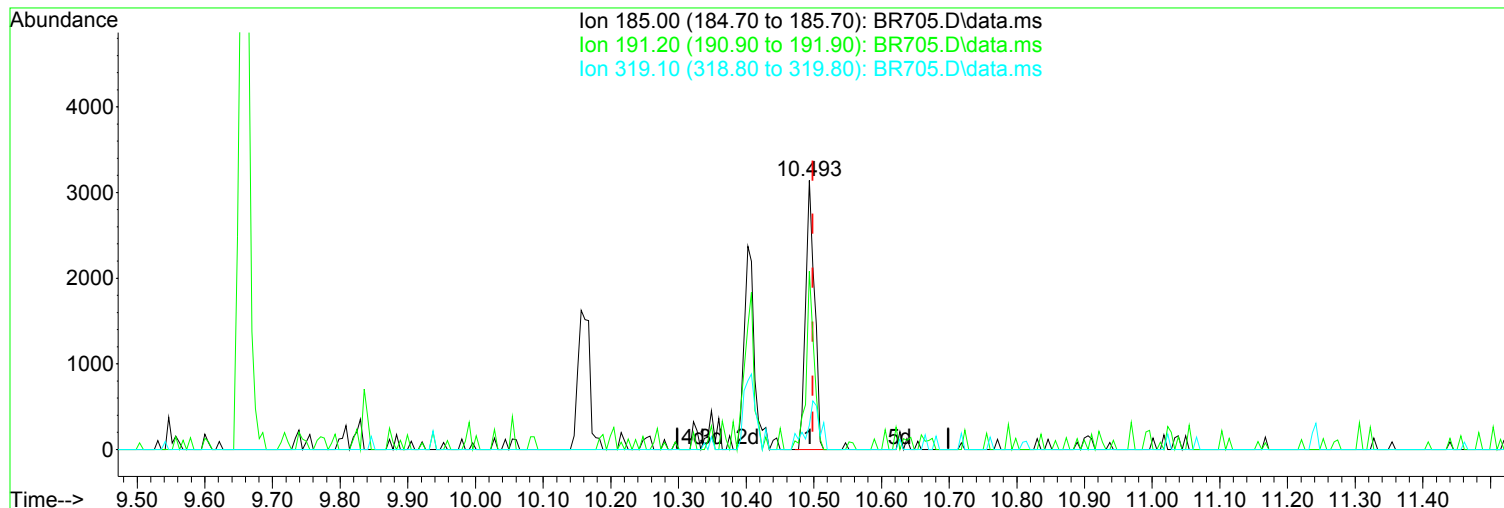
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	66.24
319.10	17.60	9.01
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR705.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.493min (-0.006) 3.08 ppm

Before

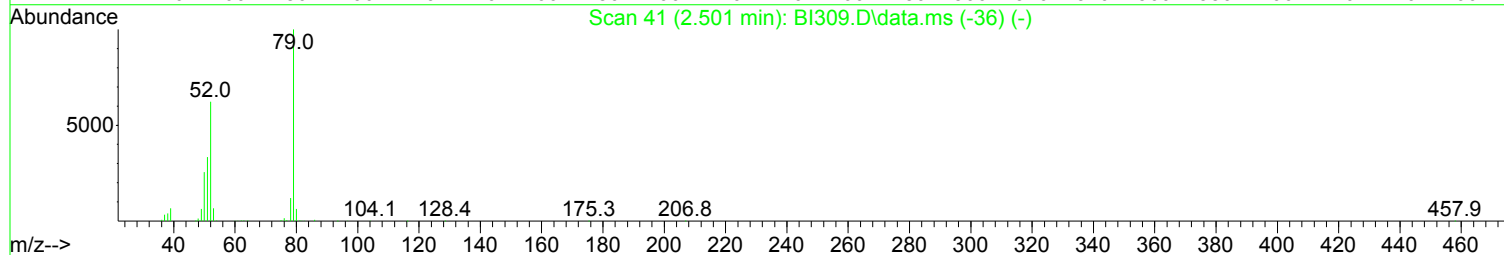
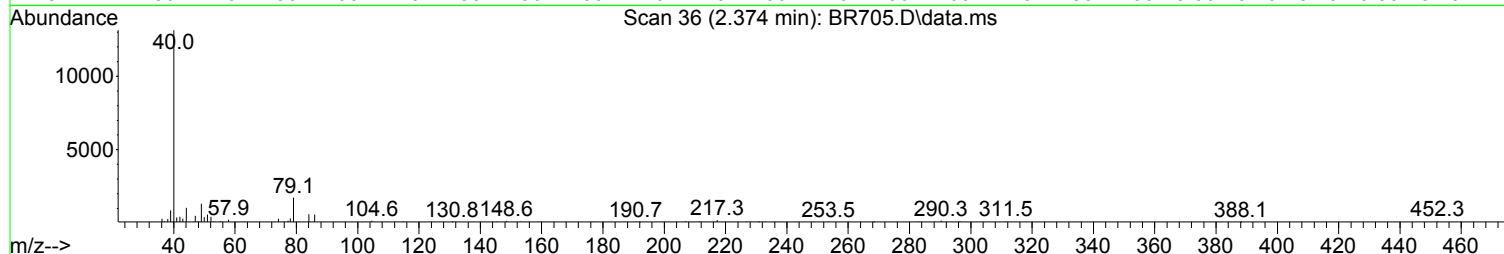
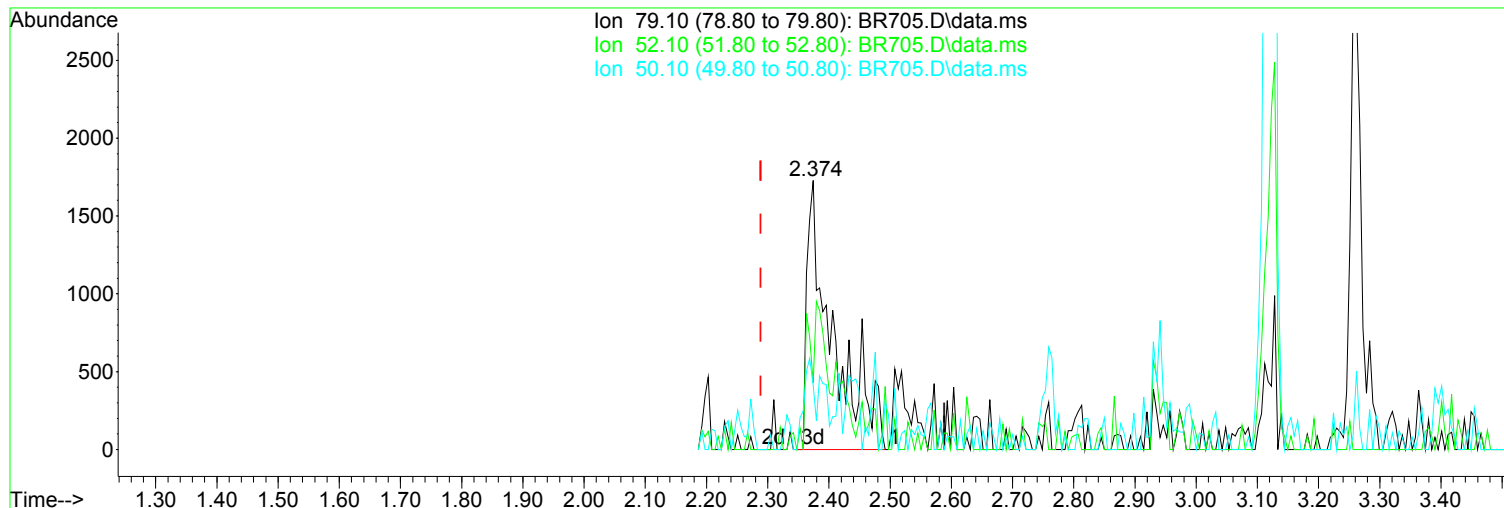
response 2857

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	65.52
319.10	17.60	12.09
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(2) Pyridine (TM)

Manual Integration:

2.374min (+ 0.085) 2.30 ppm m

After

response 5009

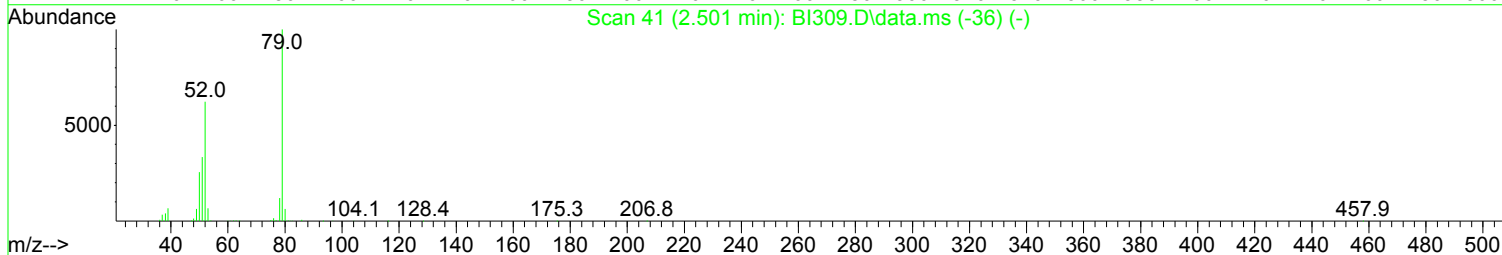
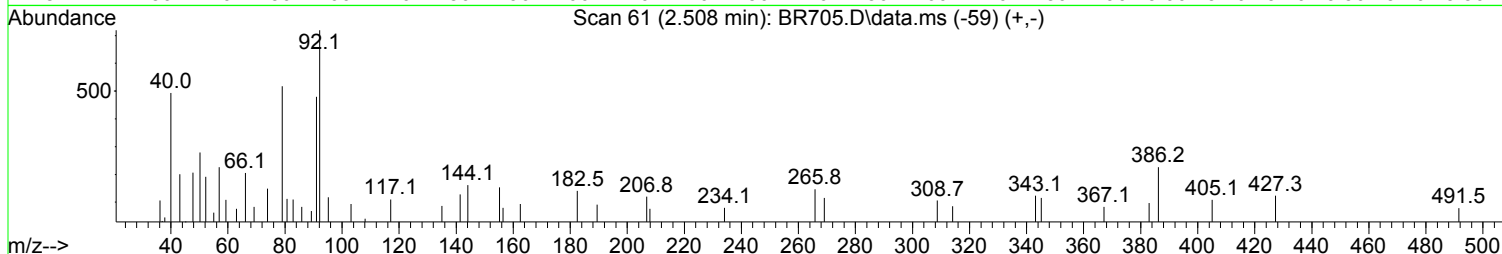
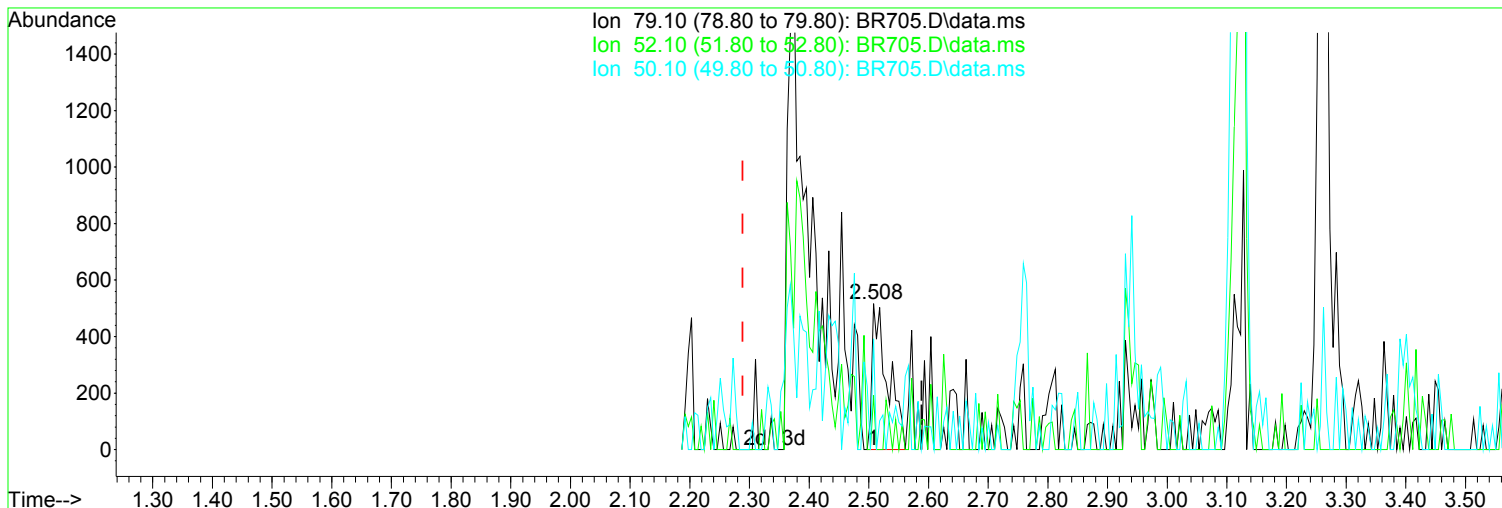
Poor integration.

Ion	Exp%	Act%
79.10	100.00	100.00
52.10	59.40	24.88#
50.10	23.80	23.90
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(2) Pyridine (TM)

Manual Integration:

2.508min (+ 0.219) 0.43 ppm

Before

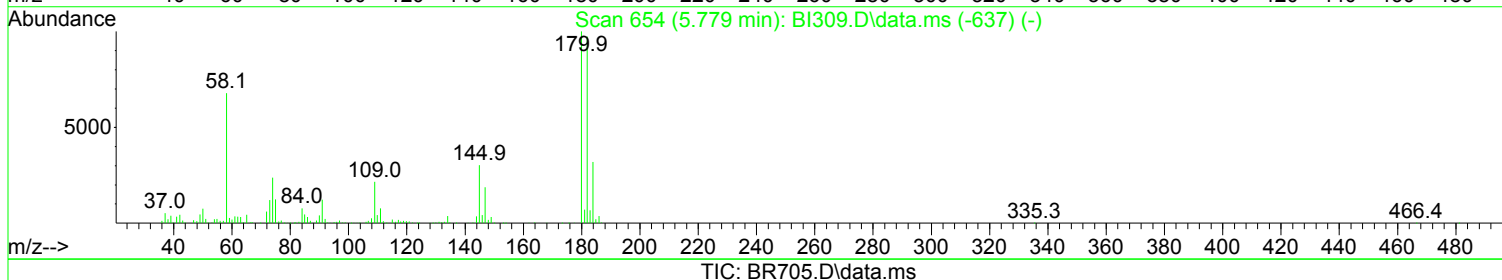
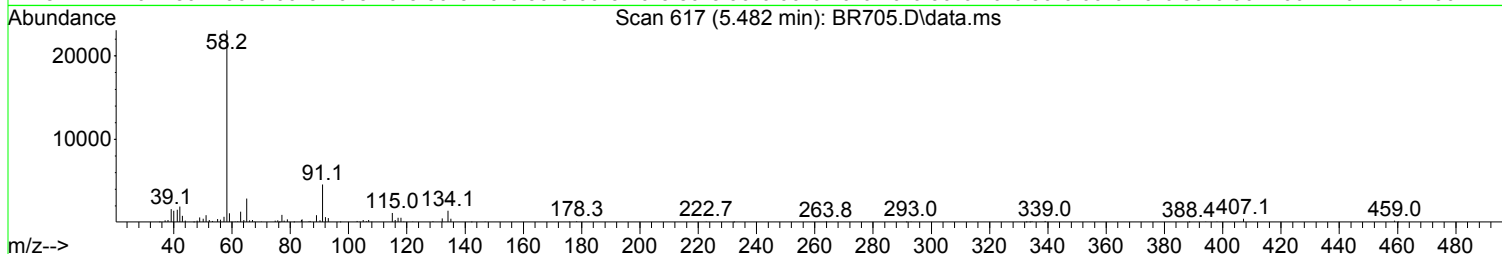
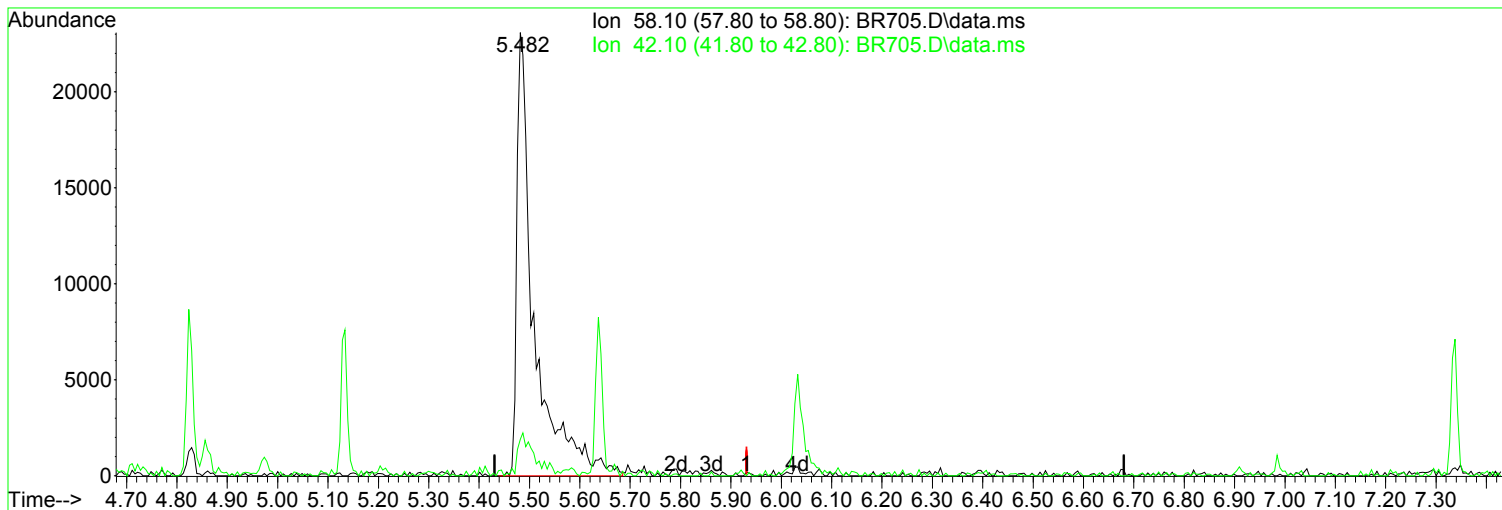
response 945

Ion	Exp%	Act%
79.10	100.00	100.00
52.10	59.40	37.14
50.10	23.80	28.92
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR705.D
 Acq On : 8 May 2019 1:50 pm
 Operator : JMisiurewicz
 Sample : MDL 1 - 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:41:37 2019
 Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.482min (-0.449) 12.44 ppm m

After

response 55214

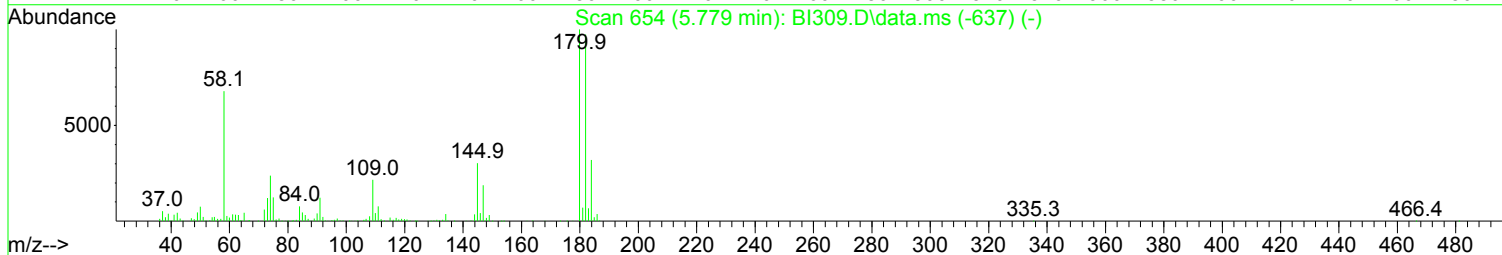
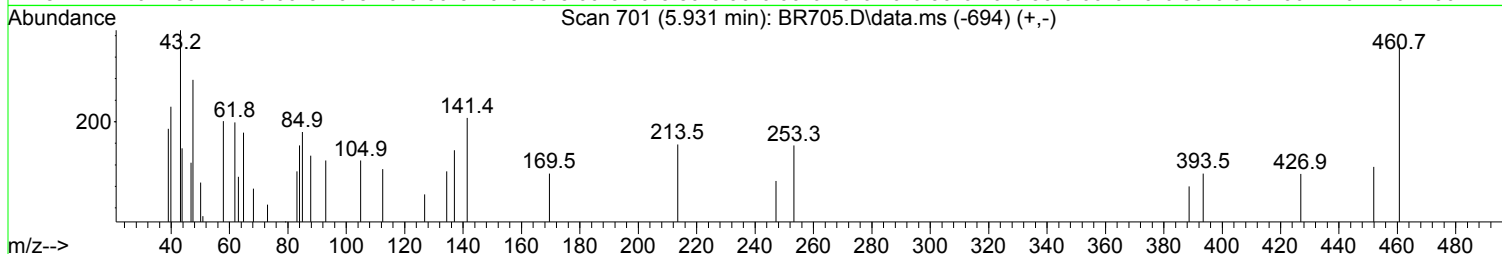
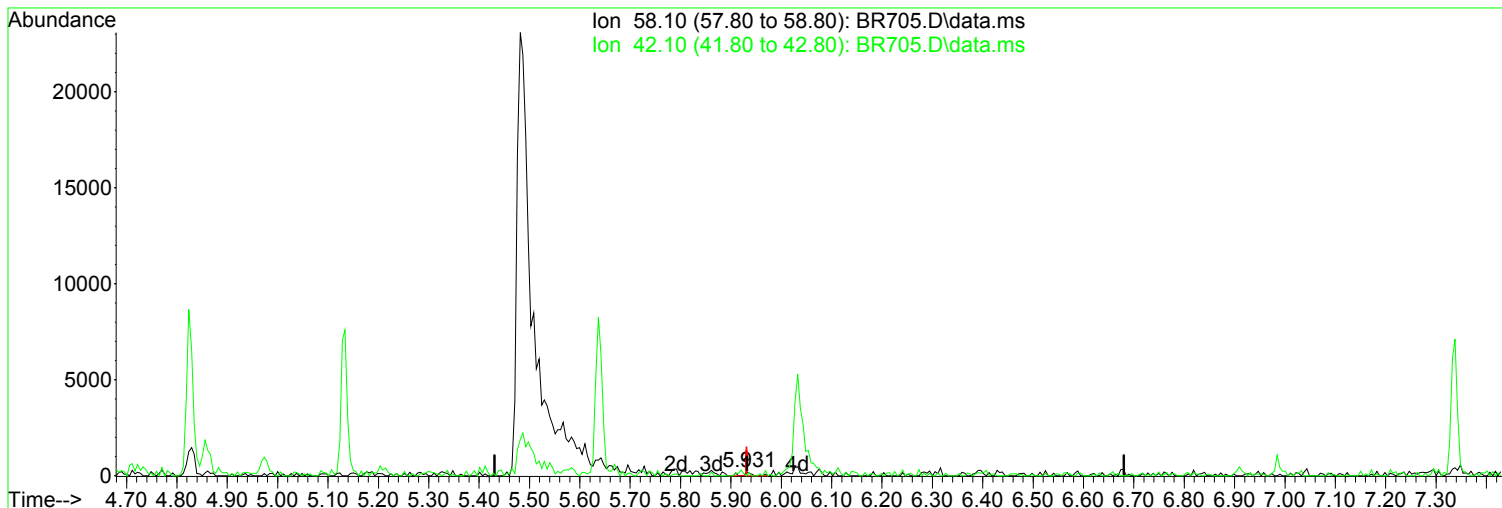
Peak not found.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.26
0.00	0.00	0.00
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.931min (-0.000) 0.05 ppm

Before

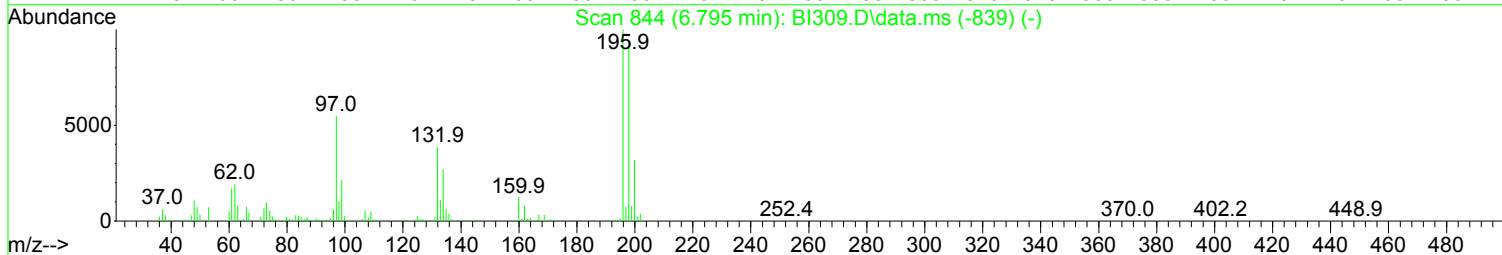
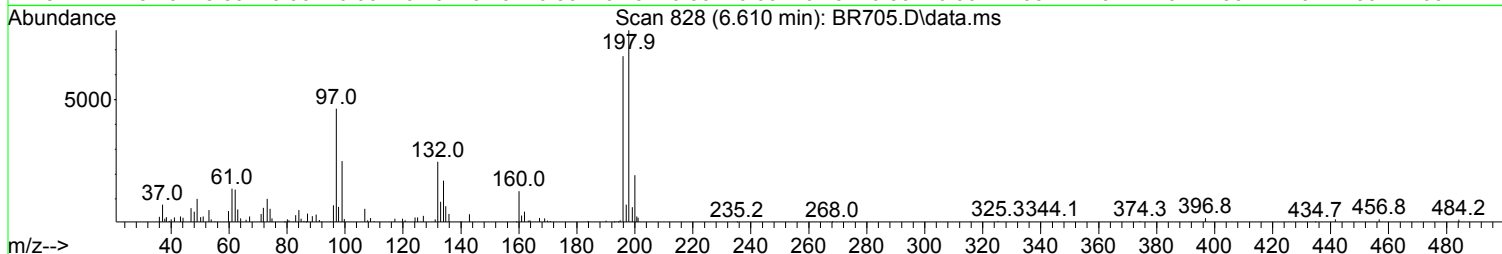
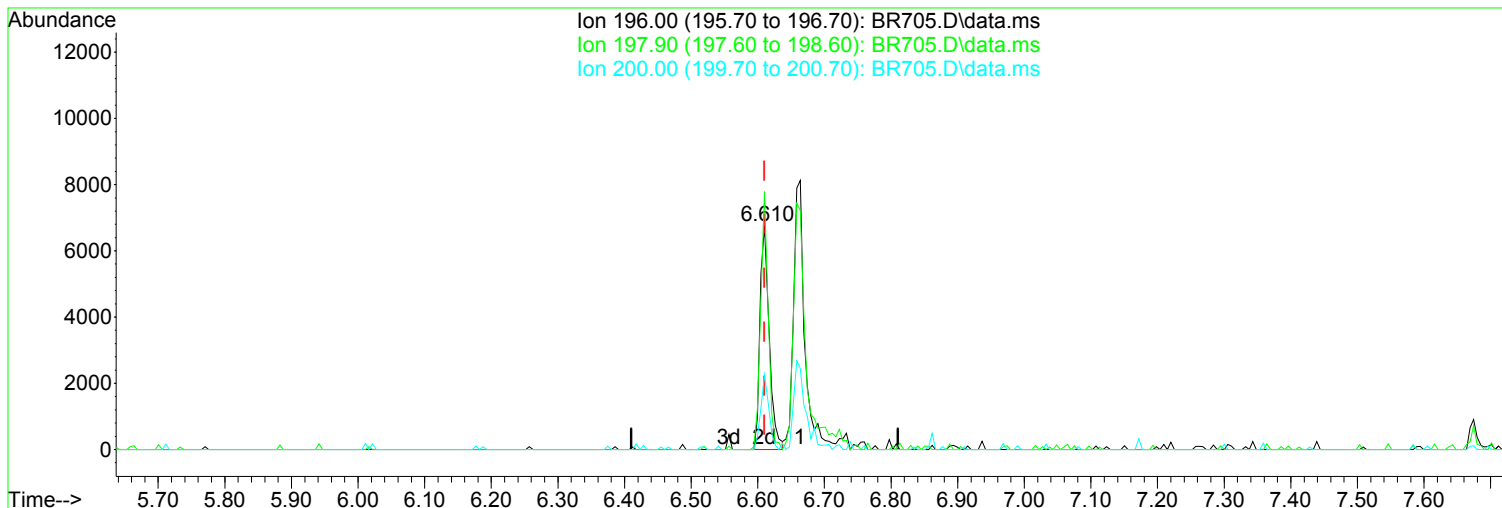
response 212

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR705.D
 Acq On : 8 May 2019 1:50 pm
 Operator : JMisiurewicz
 Sample : MDL 1 - 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:41:37 2019
 Response via : Initial Calibration



TIC: BR705.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.610min (-0.000) 4.49 ppm m

After

response 6532

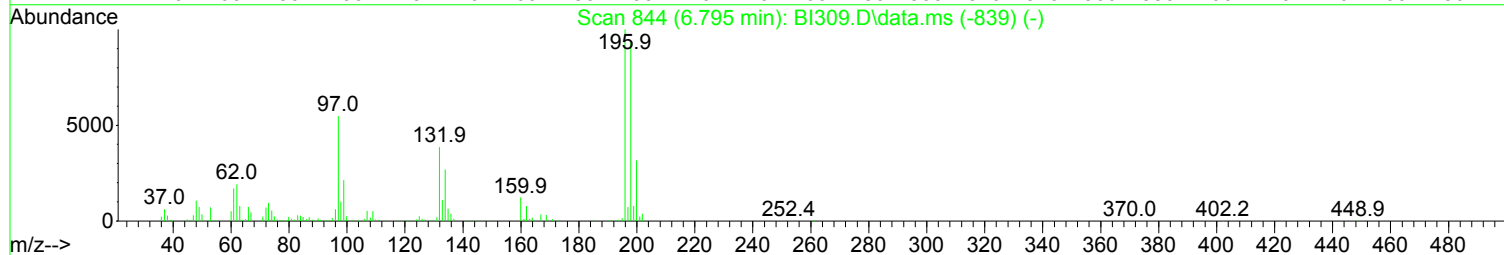
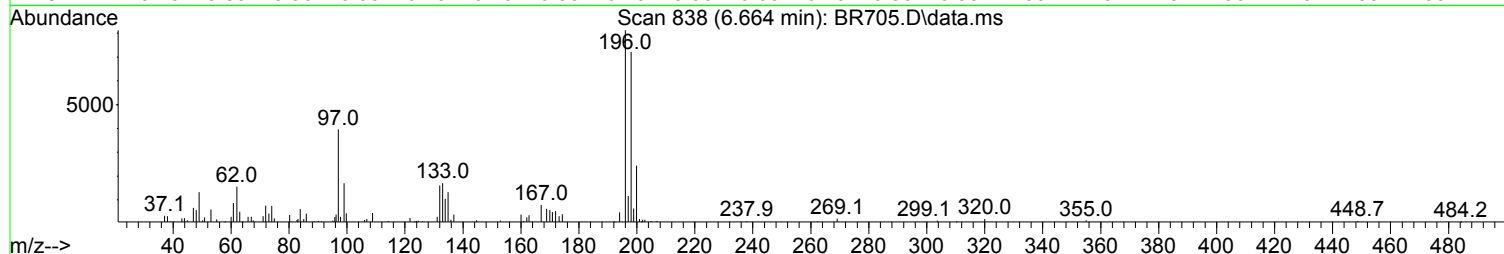
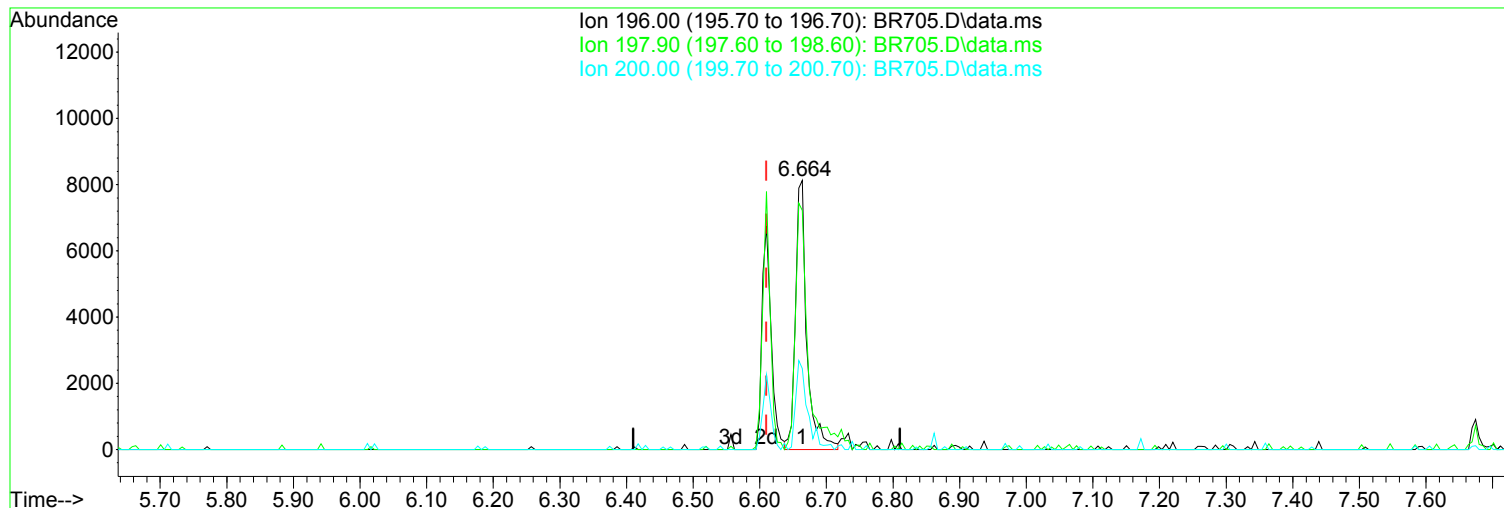
Wrong peak selected.

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	115.56#
200.00	29.70	29.06
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



TIC: BR705.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.664min (+ 0.053) 6.57 ppm

Before

response 9543

Ion	Exp%	Act%
196.00	100.00	100.00
197.90	94.90	88.82
200.00	29.70	30.12
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR705.D
 Acq On : 8 May 2019 1:50 pm
 Operator : JMisiurewicz
 Sample : MDL 1 - 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:41:37 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	63454	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	230864	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	137694	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	243703	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	254666	40.00	ppm	-0.01
135) d12-Perylene	14.665	264	262132	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	8801	3.94	ppm	0.00
Spiked Amount	200.000	Range	10 - 88	Recovery	=	1.97%#
12) SURR2,PHENOL-D6	4.171	99	11069	4.00	ppm	0.00
Spiked Amount	200.000	Range	10 - 145	Recovery	=	2.00%#
34) SURR4,NITROBENZENE-D5	4.973	82	11011	4.63	ppm	0.00
Spiked Amount	100.000	Range	10 - 95	Recovery	=	4.63%#
63) SURR5,2-FLUOROBIPHENYL	6.680	172	23265	4.31	ppm	0.00
Spiked Amount	100.000	Range	10 - 102	Recovery	=	4.31%#
88) SURR3,2,4,6-TRIBROMOPH...	8.124	330	5316	5.33	ppm	0.00
Spiked Amount	200.000	Range	10 - 109	Recovery	=	2.67%#
124) SURR6,TERPHENYL-D14	10.424	244	36741	5.76	ppm	0.00
Spiked Amount	100.000	Range	10 - 106	Recovery	=	5.76%#

Target Compounds						Qvalue
2) Pyridine	2.374	79	5009m	2.302	ppm	
3) N-Nitrosodimethylamine	2.304	74	4074	3.180	ppm	75
4) 2-Picoline	2.930	93	6704	3.067	ppm	88
5) N-Nitrosomethylamine	3.010	42	5080	4.705	ppm	78
6) Methyl Methansulfonate	3.257	80	5471	5.424	ppm	83
8) N-Nitrosodiethylamine	3.567	102	4115	4.114	ppm	87
9) Ethyl Mathanesulfonate	3.818	79	8289	4.462	ppm	94
10) Benzaldehyde	4.107	106	4555	3.410	ppm	89
11) Aniline	4.193	93	13932	3.759	ppm	70
13) Phenol	4.182	94	11287	3.815	ppm	63
14) bis(2-Clethyl)Ether	4.241	93	7957	4.134	ppm	93
15) Pentachloroethane	4.230	117	3662	3.928	ppm	92
16) 2-Chlorophenol	4.299	128	9572	3.936	ppm	96
17) 1,3-Diclbzene	4.423	146	10005	3.717	ppm	97
18) 1,4-Dichlorobenzene	4.487	146	10657	3.892	ppm	87
19) 1,2-Diclbzene	4.620	146	10219	3.871	ppm	96
20) Benzyl Alcohol	4.604	79	6051	3.346	ppm	87
21) 1-Methyl-2-pyrrolidinone	4.626	99	6965	4.641	ppm	# 89
22) 2,2'-oxybis(1-Chloropr...	4.706	45	7443	3.730	ppm	# 57
23) 2-Methylphenol	4.706	108	8631	4.090	ppm	100
24) 3+4-Methylphenol	4.850	108	10708	4.384	ppm	# 74
25) Acetophenone	4.834	105	13222	4.121	ppm	75
26) N-Nitroso-Di-n-propyla...	4.829	70	6277	3.736	ppm	86
27) N-Nitrosopyrrolidine	4.824	100	4707	3.970	ppm	# 71
28) N-Nitrosomorpholine	4.856	56	5606	4.492	ppm	75
29) o-Toluidine	4.866	106	13612	3.937	ppm	79
30) Hexachloroethane	4.920	117	4494	4.097	ppm	96
31) o,o,o-Triethylphosphor...	5.375	198	4762	4.022	ppm	76
32) Alpha-terpinol	5.663	121	3218	3.816	ppm	90
35) Nitrobenzene	4.995	77	12201	5.039	ppm	93
36) N-Nitrosopiperidine	5.134	42	6825	4.963	ppm	72
37) Isophorone	5.209	82	17866	4.361	ppm	98
38) 2-Nitrophenol	5.284	139	5139	4.026	ppm	80

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR705.D
Acq On : 8 May 2019 1:50 pm
Operator : JMisiurewicz
Sample : MDL 1 - 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 09 06:42:07 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev	(Min)
40) 2,4-Dimethylphenol	5.332	107	10561	4.548	ppm	#	69
41) bis(-2-Chloroethoxy)Me...	5.412	93	10507	4.303	ppm		98
42) 2,4-Dichlorophenol	5.524	162	7902	4.049	ppm		86
43) a,a-Dimethylphenethyla...	5.482	58	55214m	12.444	ppm		
44) 1,2,4-Trichlorobenzene	5.583	180	9746	4.440	ppm		89
45) Naphthalene	5.658	128	26970	3.936	ppm		96
46) 4-Chloroaniline	5.722	127	14098	5.067	ppm		92
47) 2,6-Dichlorophenol	5.728	162	9089	4.400	ppm		92
48) Hexachlorobutadiene	5.765	225	5115	3.773	ppm	#	55
49) Hexachloropropene	5.738	213	7919	4.457	ppm		90
50) 4-Chloro-3-methylphenol	6.204	107	9603	5.123	ppm		91
51) N-N-di-n-butylamine	6.032	84	10094	6.001	ppm		92
52) Caprolactam	6.038	113	3531	5.468	ppm	#	48
53) p-Phenylenediamine	6.059	80	16142	43.246	ppm	#	73
54) Safrole	6.241	162	8272	4.620	ppm		86
55) 2-Methylnaphthalene	6.321	142	19965	4.267	ppm		95
56) 1-Methylnaphthalene	6.418	142	19683	4.464	ppm		95
58) Hexachlorocyclopentadiene	6.466	237	806	1.956	ppm		54
59) 1,2,4,5-Tetrachloroben...	6.482	216	9455	3.881	ppm		89
60) 1,2,3,4-Tetrachloroben...	6.760	216	12130	4.772	ppm		93
61) 2,4,6-Trichlorophenol	6.610	196	6532m	4.495	ppm		
62) 2,4,5-Trichlorophenol	6.664	196	9543	5.993	ppm		96
64) Isosafrole	6.744	104	4912	5.178	ppm		84
65) 1,1'-Biphenyl	6.776	154	27228	4.395	ppm		92
66) 2-Chloronaphthalene	6.797	162	19179	4.222	ppm		95
67) 2-Nitroaniline	6.910	65	6371	5.271	ppm		80
68) 1,4-Naphthoquinone	6.984	158	4660	3.436	ppm		82
69) m-Dinitrobenzene	7.129	168	3912	4.782	ppm		90
70) Acenaphthylene	7.198	152	33044	4.516	ppm		98
71) Dimethyl phthalate	7.081	163	27629	5.023	ppm		98
72) 2,6-Dinitrotoluene	7.150	165	5737	4.847	ppm		84
73) Acenaphthene	7.370	153	22716	4.442	ppm		97
74) 3-Nitroaniline	7.316	138	5624	4.315	ppm		96
75) 2,4-Dinitrophenol	7.444	184	683	3.917	ppm		64
76) Dibenzofuran	7.541	168	30941	4.635	ppm		84
77) 2,4-Dinitrotoluene	7.546	165	8362	5.002	ppm		94
78) 4-Nitrophenol	7.541	65	3747	4.423	ppm	#	1
79) Pentachlorobenzene	7.498	250	11078	4.711	ppm		89
80) 1-Naphthylamine	7.626	143	11028	3.421	ppm		97
81) 2-Naphthylamine	7.701	143	14290	3.570	ppm		97
82) 2,3,4,6-Tetrachlorophenol	7.674	232	6889	5.149	ppm		93
83) Fluorene	7.878	166	25544	4.723	ppm		98
84) 4-Chlorophenyl-phenyle...	7.878	204	12469	5.117	ppm		90
85) Diethylphthalate	7.771	149	31763	5.489	ppm		95
86) 4-Nitroaniline	7.921	138	6786	4.901	ppm	#	73
87) 5-Nitro-o-toluidine	7.904	152	6585	4.213	ppm		79
89) Sulfotepp	8.150	322	4840	5.827	ppm		96
90) Octachlorocyclopentene	8.113	307	3414	3.109	ppm		83
92) Thionazin	7.846	107	4403	5.315	ppm		87
93) 4,6-Dinitro-2-methylph...	7.953	198	2859	2.856	ppm		95
94) Diphenylamine	7.995	169	44126	10.758	ppm		97
95) 1,2 Diphenylhydrazine	8.033	77	28495	5.434	ppm		99
96) N-Nitrosodiphenylamine	7.995	169	44126	10.757	ppm		97
97) 1,3,5-Trinirobenzene	8.322	213	2354	4.789	ppm	#	90
98) Diallate	8.274	86	10921	5.745	ppm		81
99) Phorate	8.284	121	4911	5.026	ppm		87

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR705.D
 Acq On : 8 May 2019 1:50 pm
 Operator : JMisiurewicz
 Sample : MDL 1 - 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 15 Sample Multiplier: 1

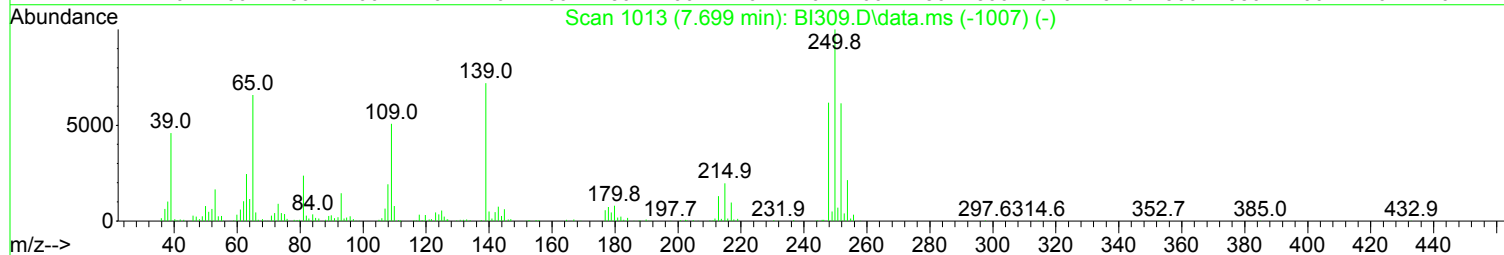
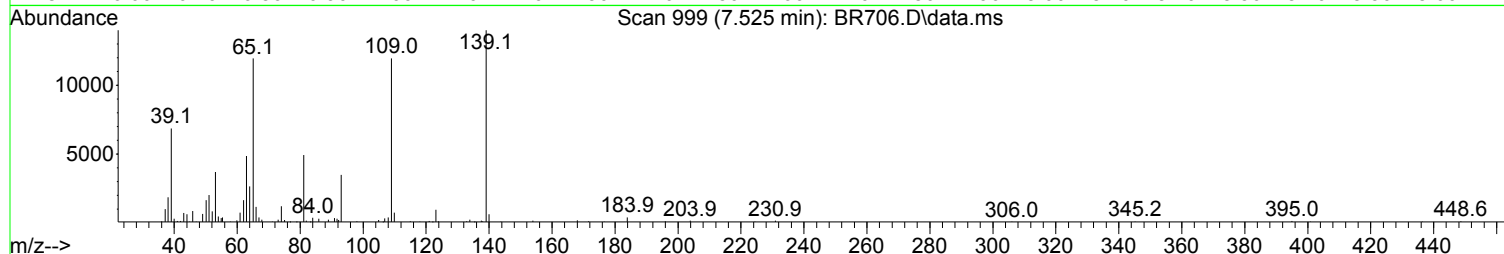
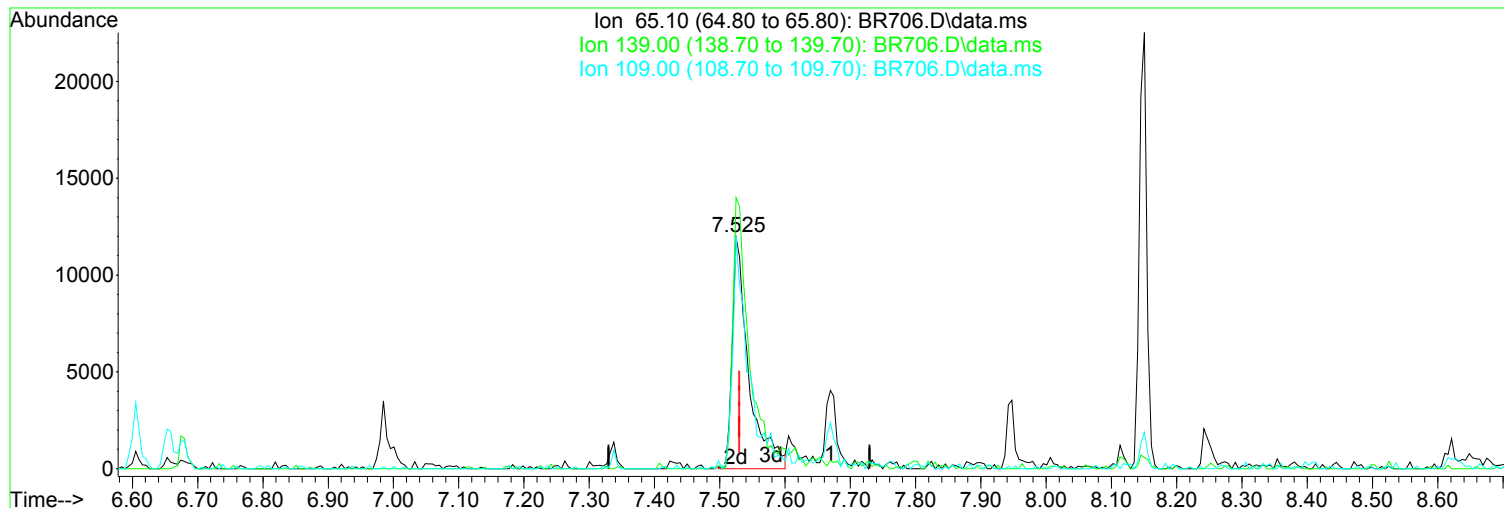
Quant Time: May 09 06:42:07 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu May 09 06:41:37 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.311	108	15118	5.879	ppm	95
101) 4-Bromophenyl-phenylether	8.359	248	8098	5.311	ppm	95
102) Hexachlorobenzene	8.413	284	11066	5.706	ppm	84
103) Dimethoate	8.455	87	9923	6.232	ppm	98
104) Atrazine	8.530	215	4319	7.931	ppm	96
105) Pentachlorophenol	8.632	266	2207	2.081	ppm	89
106) 4-Aminobiphenyl	8.621	169	16991	4.255	ppm	97
107) Pentachloronitrobenzene	8.621	237	4581	5.551	ppm	94
108) Pronamide	8.675	173	15296	5.710	ppm	97
109) Dinoseb	8.798	211	4912	3.470	ppm	80
110) Disulfoton	8.798	88	13606	5.323	ppm	98
111) Phenanthrene	8.824	178	41203	5.216	ppm	98
112) Anthracene	8.873	178	39627	5.109	ppm	97
113) Carbazole	9.044	167	40907	5.564	ppm	97
114) Di-n-butylphthalate	9.375	149	59134	5.797	ppm	97
115) 4-Nitroquinoline-1-oxide	9.600	190	705	1.291	ppm	# 41
116) Fluoranthene	10.001	202	45815	5.284	ppm	96
118) Methyl Parathion	9.172	109	8619	5.881	ppm	92
119) Ethyl Parathion	9.552	97	7627	6.116	ppm	92
120) Methapyrilene	9.659	58	73685	71.865	ppm	82
121) Isodrin	9.830	193	4625	5.315	ppm	94
122) Benzidine	10.162	184	12853	2.927	ppm	98
123) Pyrene	10.242	202	49111	5.493	ppm	98
125) Aramite	10.493	185	5470m	5.894	ppm	
126) p-(Dimethylamino)azobe...	10.595	120	11622	5.287	ppm	84
127) Chlorobenzilate	10.648	139	19402	6.952	ppm	99
128) Butyl benzyl phthalate	11.055	149	28488	6.351	ppm	96
129) 3,3-Dimethylbenzidine	11.044	212	14931	3.111	ppm	89
130) 2-Acetylaminofluorene	11.408	181	20323	5.763	ppm	85
131) 3,3'-Dichlorobenzidine	11.852	252	18094	5.319	ppm	98
132) Benzo(a)anthracene	11.868	228	51575	6.086	ppm	98
133) Chrysene	11.927	228	46273	5.749	ppm	97
134) bis(2-Ethylhexyl)phtha...	11.964	149	42750	6.602	ppm	92
136) Di-n-octyl phthalate	13.205	149	64280	6.080	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.858	256	23161	5.852	ppm	84
138) Benzo(b)Fluoranthene	13.868	252	50195	5.528	ppm	95
139) Benzo(k)fluoranthene	13.927	252	50100	5.911	ppm	95
140) Benzo(a)pyrene	14.542	252	43764	5.785	ppm	97
141) 3-Methylcholanthrene	15.318	268	25896	5.866	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.708	276	45263	5.848	ppm	92
143) Dibenz(a,h)anthracene	16.751	278	49910	6.053	ppm	90
144) Benzo(g,h,i)perylene	17.115	276	43015	6.319	ppm	86

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

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(78) 4-Nitrophenol (TMP)

Manual Integration:

7.525min (-0.005) 23.83 ppm m

After

response 20959

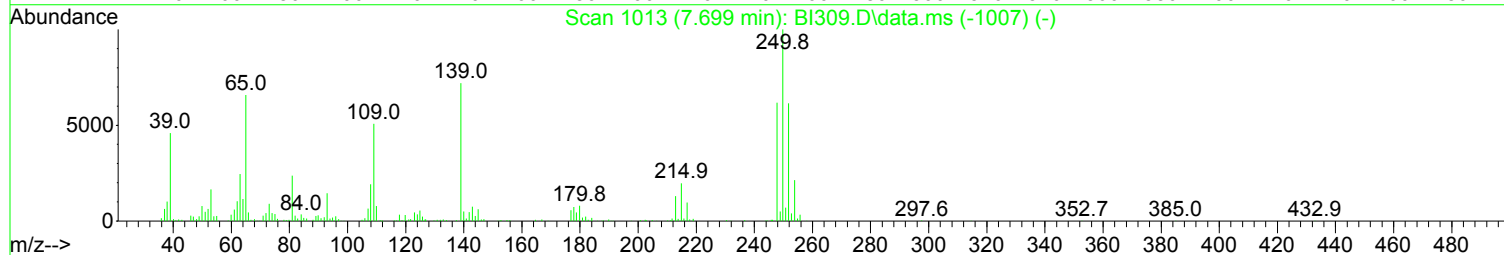
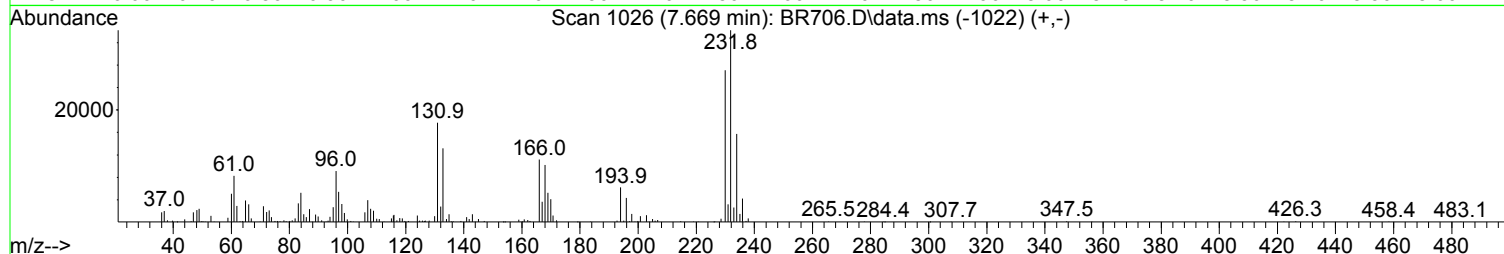
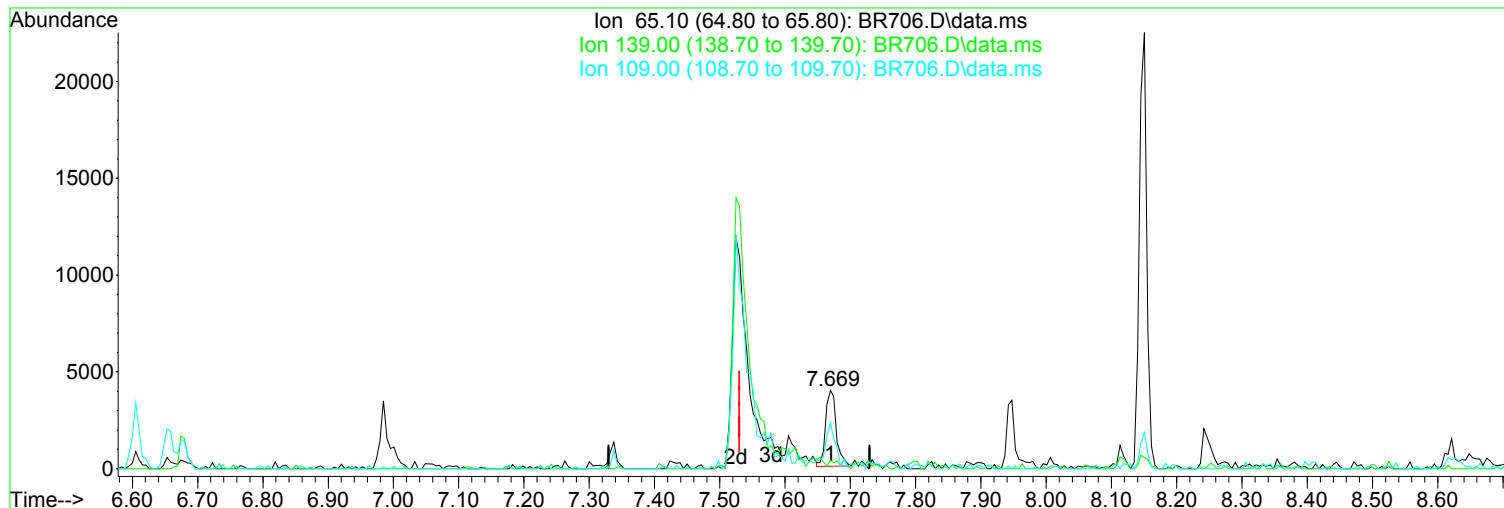
Poor integration.

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	117.14#
109.00	83.70	100.08
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(78) 4-Nitrophenol (TMP)

Manual Integration:

7.669min (+ 0.139) 5.12 ppm

Before

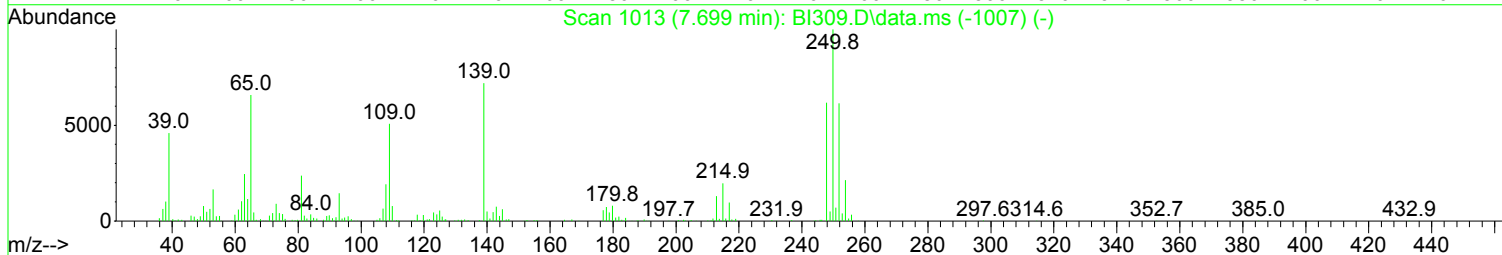
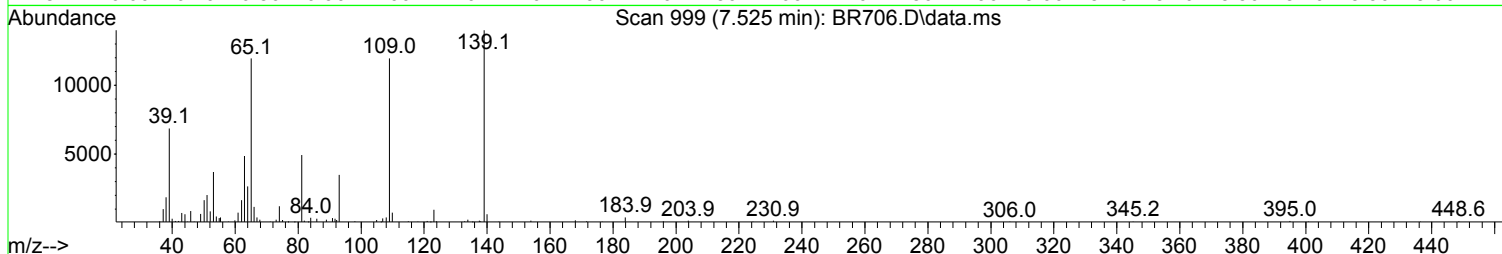
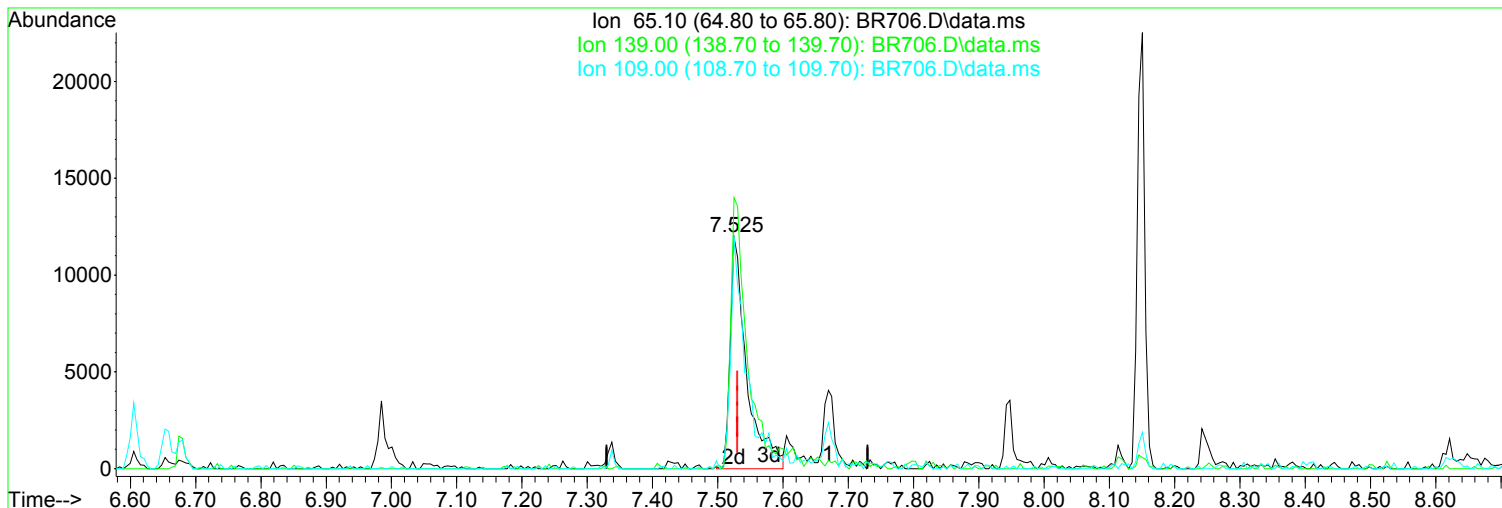
response 4506

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	5.29
109.00	83.70	53.77
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



(78) 4-Nitrophenol (TMP)

Manual Integration:

7.525min (-0.005) 23.83 ppm m

After

response 20959

Peak not found.

Ion	Exp%	Act%
65.10	100.00	100.00
139.00	34.10	117.14#
109.00	83.70	100.08
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

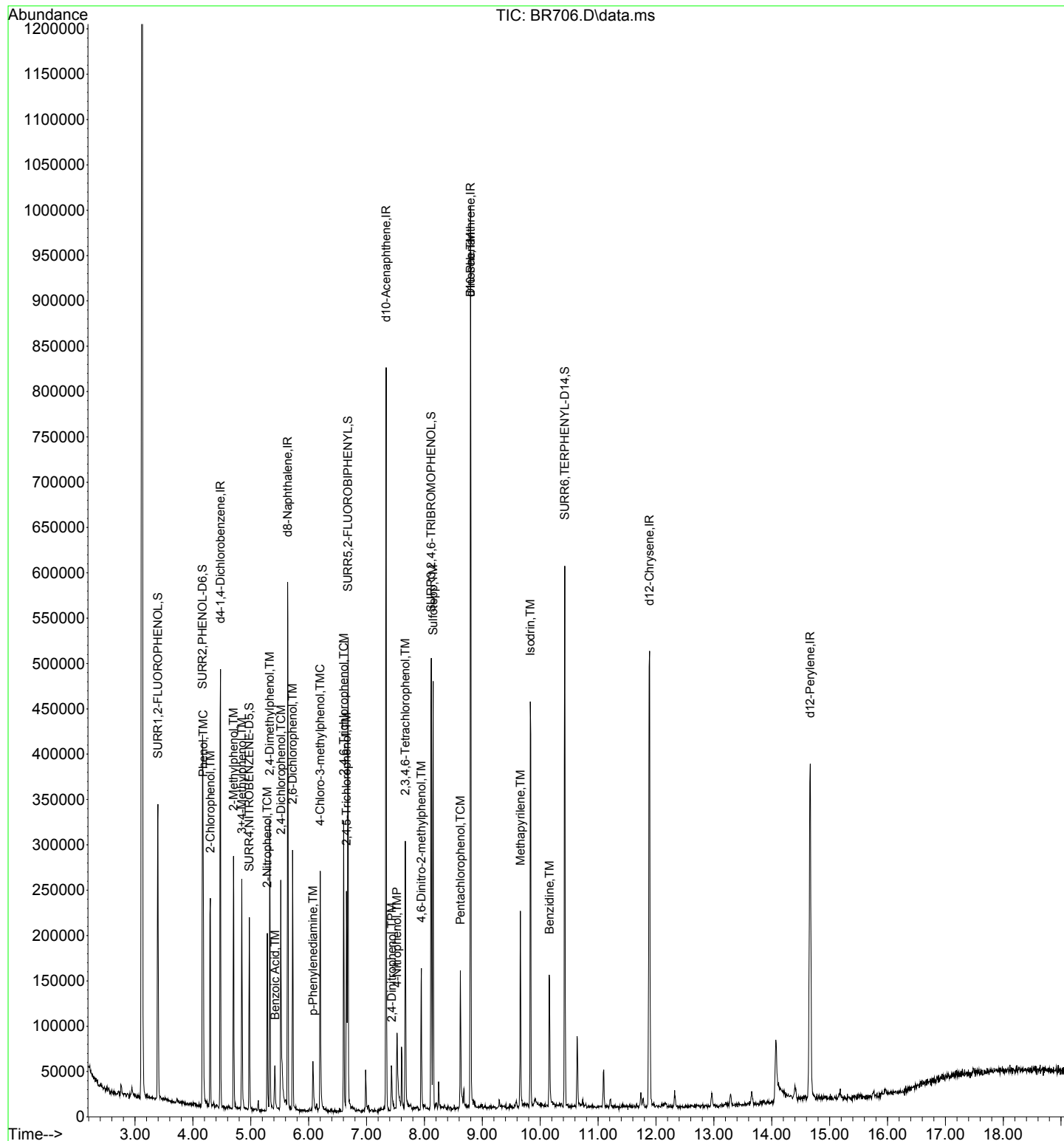
Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.476	152	65598	40.00	ppm	0.00
33) d8-Naphthalene	5.637	136	234566	40.00	ppm	0.00
57) d10-Acenaphthene	7.338	164	142914	40.00	ppm	0.00
91) d10-Phenanthrene	8.798	188	248003	40.00	ppm	0.00
117) d12-Chrysene	11.889	240	240763	40.00	ppm	-0.01
135) d12-Perylene	14.665	264	244746	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.396	112	91344	39.58	ppm	0.00
Spiked Amount 200.000	Range 10	- 88	Recovery =	19.79%		
12) SURR2,PHENOL-D6	4.166	99	115745	40.42	ppm	0.00
Spiked Amount 200.000	Range 10	- 145	Recovery =	20.21%		
34) SURR4,NITROBENZENE-D5	4.974	82	56941	23.56	ppm	0.00
Spiked Amount 100.000	Range 10	- 95	Recovery =	23.56%		
63) SURR5,2-FLUOROBIPHENYL	6.680	172	125494	22.40	ppm	0.00
Spiked Amount 100.000	Range 10	- 102	Recovery =	22.40%		
88) SURR3,2,4,6-TRIBROMOPH...	8.119	330	57475	55.50	ppm	0.00
Spiked Amount 200.000	Range 10	- 109	Recovery =	27.75%		
124) SURR6,TERPHENYL-D14	10.424	244	163730	27.16	ppm	0.00
Spiked Amount 100.000	Range 10	- 106	Recovery =	27.16%		
Target Compounds						
						Qvalue
13) Phenol	4.177	94	62341	20.383	ppm	85
16) 2-Chlorophenol	4.300	128	56104	22.318	ppm	98
23) 2-Methylphenol	4.701	108	46357	21.250	ppm	98
24) 3+4-Methylphenol	4.845	108	51524	20.404	ppm #	76
38) 2-Nitrophenol	5.284	139	29810	22.984	ppm	84
39) Benzoic Acid	5.417	105	14623	10.252	ppm	93
40) 2,4-Dimethylphenol	5.327	107	59713	25.309	ppm	96
42) 2,4-Dichlorophenol	5.519	162	49932	25.180	ppm	95
47) 2,6-Dichlorophenol	5.722	162	50718	24.162	ppm	91
50) 4-Chloro-3-methylphenol	6.198	107	50156	26.337	ppm	92
53) p-Phenylenediamine	6.075	80	12114	31.942	ppm	75
61) 2,4,6-Trichlorophenol	6.605	196	37317	24.742	ppm	98
62) 2,4,5-Trichlorophenol	6.653	196	40075	24.246	ppm	95
75) 2,4-Dinitrophenol	7.434	184	9087	16.938	ppm	73
78) 4-Nitrophenol	7.525	65	20959m	23.835	ppm	
82) 2,3,4,6-Tetrachlorophenol	7.669	232	33993	24.480	ppm	94
89) Sulfotepp	8.151	322	24656	28.601	ppm	91
93) 4,6-Dinitro-2-methylph...	7.947	198	21464	21.066	ppm	96
105) Pentachlorophenol	8.621	266	20734	19.213	ppm	93
109) Dinoseb	8.798	211	30543	21.200	ppm	94
120) Methapyrilene	9.659	58	45885	47.336	ppm	94
121) Isodrin	9.830	193	25897	31.481	ppm	92
122) Benzidine	10.162	184	66887	16.112	ppm	94

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

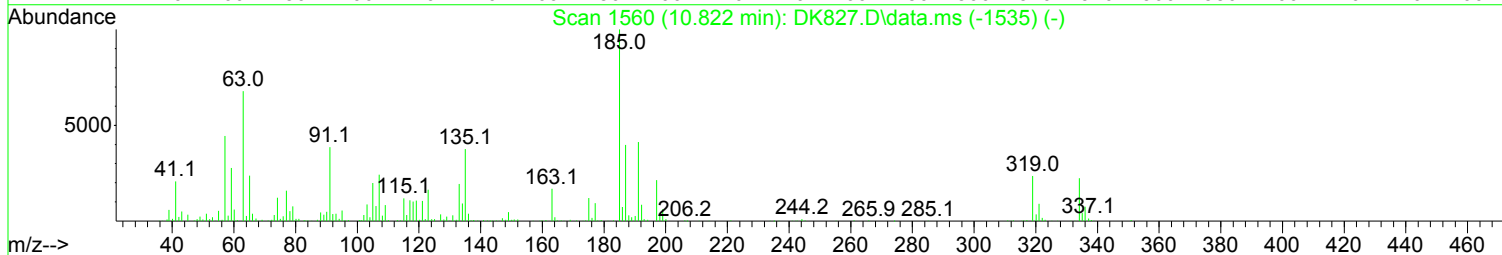
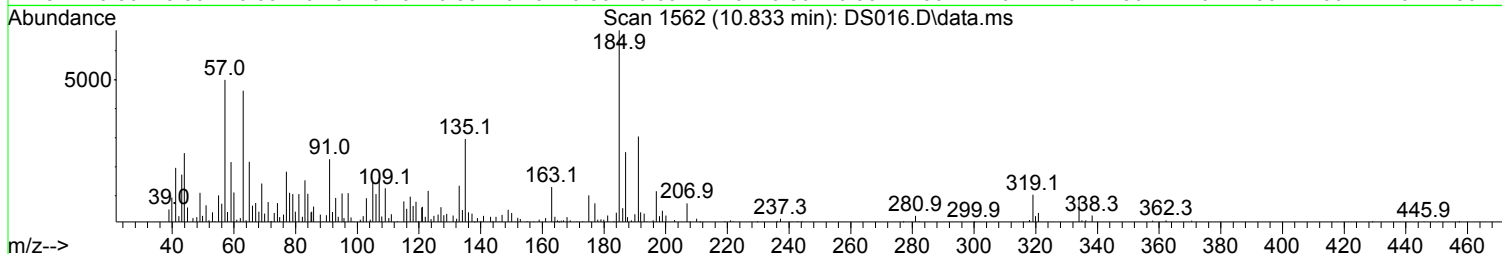
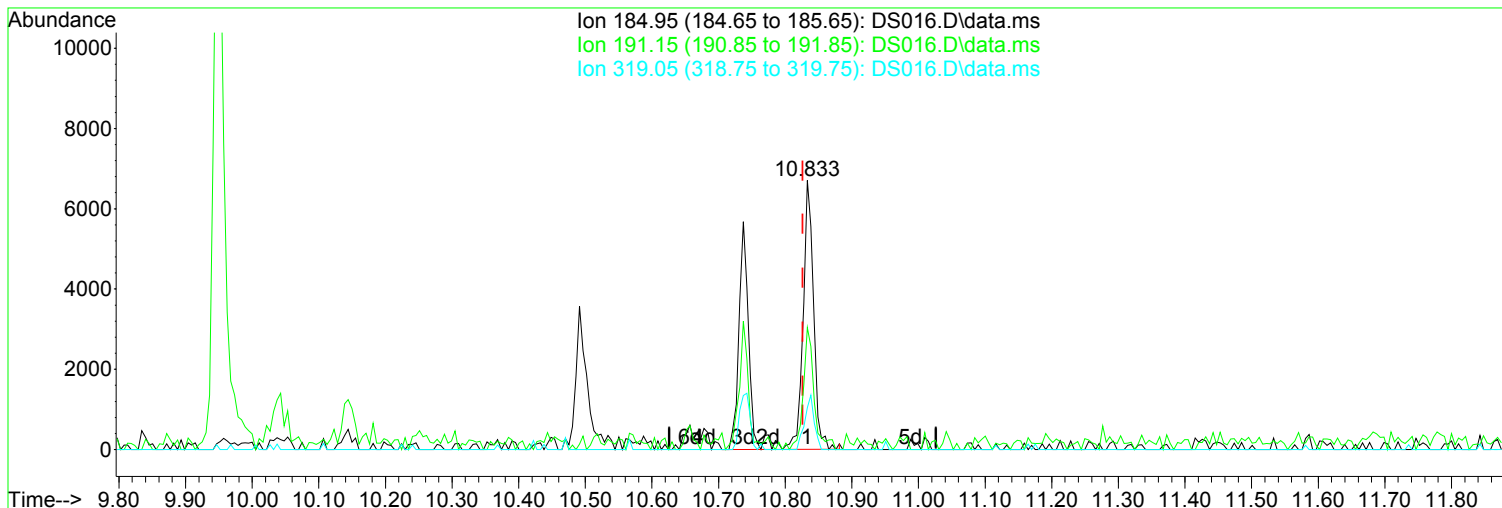
Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR706.D
Acq On : 8 May 2019 2:19 pm
Operator : JMisiurewicz
Sample : MDL 1 - 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:42:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu May 09 06:41:37 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS016.D
 Acq On : 13 May 2019 3:51 pm
 Operator : JMisiurewicz
 Sample : MDL 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DS016.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (+ 0.007) 6.54 ppm m

After

response 13332

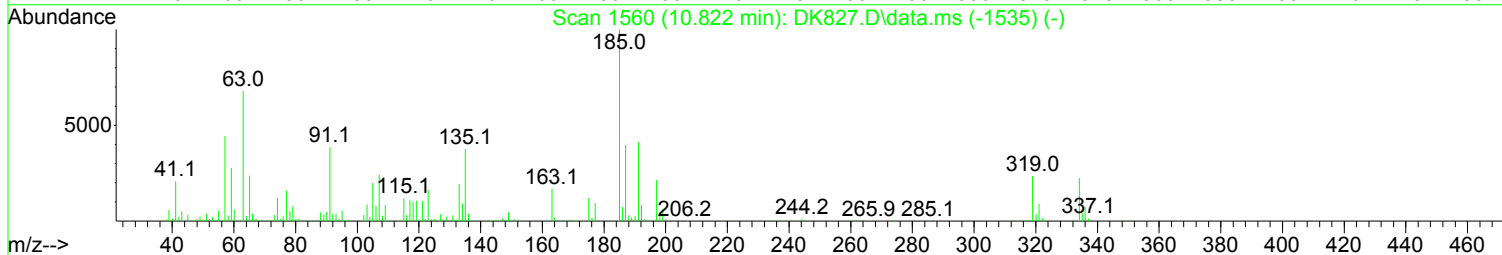
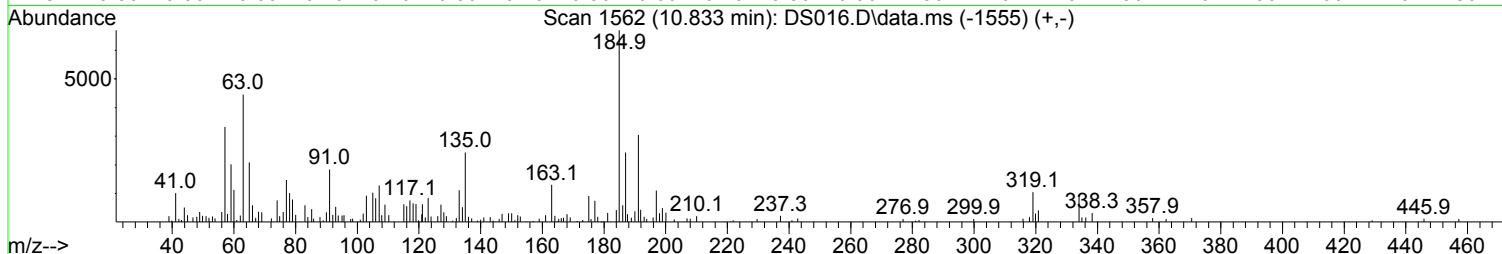
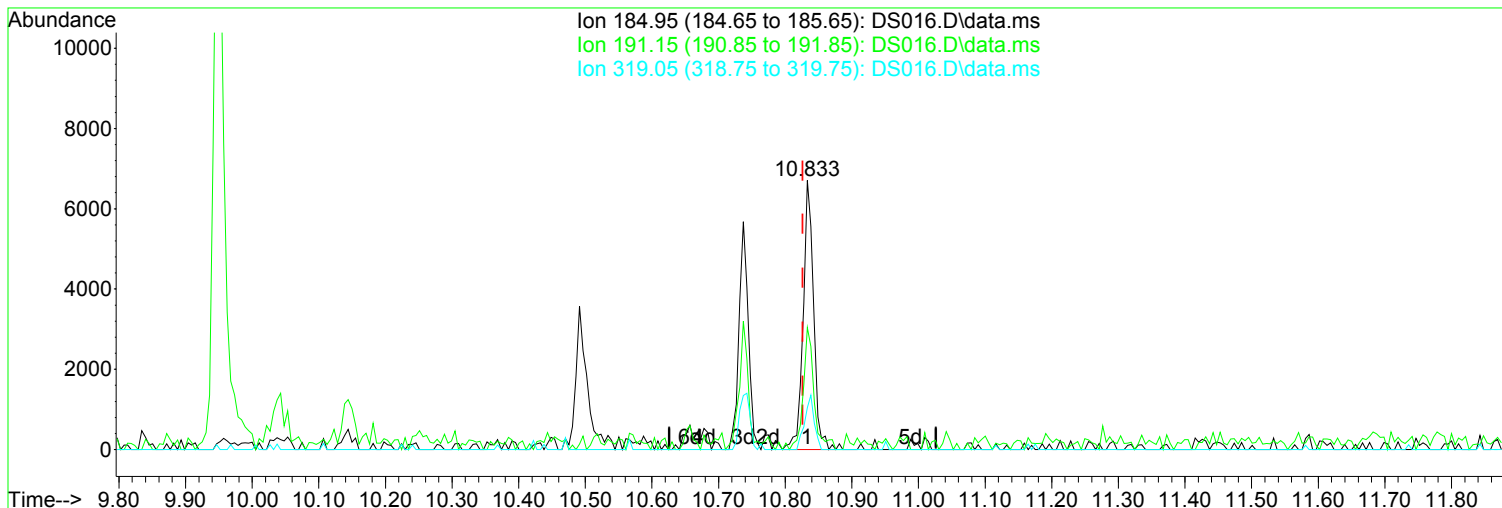
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.38
319.05	14.30	15.54
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS016.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (+ 0.007) 3.62 ppm

Before

response 7383

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	51.75
319.05	14.30	15.54
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	147664	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	559179	40.00	ppm	0.00
57) d10-Acenaphthene	7.612	164	289413	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	451747	40.00	ppm	0.00
117) d12-Chrysene	12.361	240	405035	40.00	ppm	0.00
135) d12-Perylene	15.309	264	393919	40.00	ppm	0.02

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.665	112	23170	4.31	ppm	0.00
Spiked Amount	100.000	Range	10 - 88	Recovery	=	4.31%#
12) SURR2,PHENOL-D6	4.424	99	29263	4.43	ppm	0.00
Spiked Amount	100.000	Range	10 - 145	Recovery	=	4.43%#
34) SURR4,NITROBENZENE-D5	5.236	82	24445	4.31	ppm	0.00
Spiked Amount	50.000	Range	10 - 95	Recovery	=	8.62%#
63) SURR5,2-FLUOROBIPHENYL	6.945	172	50751	4.61	ppm	0.00
Spiked Amount	50.000	Range	10 - 102	Recovery	=	9.22%#
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	7047	5.95	ppm	0.00
Spiked Amount	100.000	Range	10 - 109	Recovery	=	5.95%#
124) SURR6,TERPHENYL-D14	10.769	244	60025	6.29	ppm	0.00
Spiked Amount	50.000	Range	10 - 106	Recovery	=	12.58%

Target Compounds						Qvalue
2) Pyridine	2.672	79	13903	2.410	ppm	92
3) N-Nitrosodimethylamine	2.613	74	11557	3.353	ppm	79
4) 2-Picoline	3.217	93	18321	3.124	ppm	91
5) N-Nitrosomethylamine	3.292	42	9267	3.906	ppm	70
6) Methyl Methansulfonate	3.527	80	10455	3.913	ppm	94
8) N-Nitrosodiethylamine	3.831	102	11297	4.314	ppm	84
9) Ethyl Mathanesulfonate	4.077	79	19141	4.240	ppm	95
10) Benzaldehyde	4.370	106	11005	2.913	ppm	93
11) Aniline	4.456	93	35039	4.161	ppm	96
13) Phenol	4.440	94	31590	4.377	ppm	91
14) bis(2-Clethyl)Ether	4.493	93	21678	4.341	ppm	95
15) Pentachloroethane	4.493	117	8064	4.011	ppm	99
16) 2-Chlorophenol	4.563	128	26611	4.694	ppm	93
17) 1,3-Diclbzene	4.686	146	23256	3.942	ppm	96
18) 1,4-Dichlorobenzene	4.750	146	25646	4.248	ppm	96
19) 1,2-Diclbzene	4.883	146	25090	4.350	ppm	94
20) Benzyl Alcohol	4.862	79	13338	3.474	ppm	82
21) 1-Methyl-2-pyrrolidinone	4.883	99	17940	5.113	ppm	92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	19511	4.067	ppm	# 61
23) 2-Methylphenol	4.958	108	22963	4.515	ppm	93
24) 3+4-Methylphenol	5.102	108	28462	4.945	ppm	95
25) Acetophenone	5.091	105	31195	4.364	ppm	96
26) N-Nitroso-Di-n-propyla...	5.081	70	18400	4.773	ppm	91
27) N-Nitrosopyrrolidine	5.081	100	12162	4.338	ppm	94
28) N-Nitrosomorpholine	5.113	56	11913	4.317	ppm	97
29) o-Toluidine	5.124	106	32382	4.079	ppm	83
30) Hexachloroethane	5.182	117	8613	3.706	ppm	# 75
31) o,o,o-Triethylphosphor...	5.626	198	10867	4.490	ppm	88
32) Alpha-terpinol	5.925	121	9575	5.076	ppm	76
35) Nitrobenzene	5.252	77	23433	4.112	ppm	83
36) N-Nitrosopiperidine	5.391	42	14468	4.670	ppm	95
37) Isophorone	5.465	82	43232	4.551	ppm	92
38) 2-Nitrophenol	5.551	139	13082	4.437	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS016.D
 Acq On : 13 May 2019 3:51 pm
 Operator : JMisiurewicz
 Sample : MDL 10 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	26101	4.915	ppm	99
40) bis(-2-Chloroethoxy)Me...	5.663	93	25943	4.645	ppm	95
42) 2,4-Dichlorophenol	5.791	162	18377	4.369	ppm	91
43) a,a-Dimethylphenethyla...	5.797	58	139872	13.191	ppm	93
44) 1,2,4-Trichlorobenzene	5.845	180	18900	4.262	ppm	98
45) Naphthalene	5.925	128	69001	4.477	ppm	98
46) 4-Chloroaniline	5.983	127	29174	4.524	ppm	95
47) 2,6-Dichlorophenol	5.989	162	18891	4.295	ppm	96
48) Hexachlorobutadiene	6.026	225	9292	4.135	ppm	87
49) Hexachloropropene	5.999	213	9844	3.506	ppm	100
50) 4-Chloro-3-methylphenol	6.464	107	22473	5.350	ppm	94
51) N-N-di-n-butylamine	6.283	84	16267	4.883	ppm	93
52) Caprolactam	6.304	113	10369	6.220	ppm	85
53) p-Phenylenediamine	6.331	80	24396	22.690	ppm	99
54) Safrole	6.496	162	18869	4.770	ppm	97
55) 2-Methylnaphthalene	6.592	142	44681	4.480	ppm	97
56) 1-Methylnaphthalene	6.688	142	44023	4.718	ppm	97
58) Hexachlorocyclopentadiene	6.731	237	1725	2.457	ppm	94
59) 1,2,4,5-Tetrachloroben...	6.753	216	19642	4.611	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.030	216	20219	4.508	ppm	89
61) 2,4,6-Trichlorophenol	6.875	196	12415	4.602	ppm	95
62) 2,4,5-Trichlorophenol	6.934	196	15912	5.484	ppm	96
64) Isosafrole	7.009	104	8722	4.686	ppm	94
65) 1,1'-Biphenyl	7.046	154	59454	4.637	ppm	96
66) 2-Chloronaphthalene	7.068	162	41826	4.514	ppm	98
67) 2-Nitroaniline	7.180	65	13426	5.069	ppm	98
68) 1,4-Naphthoquinone	7.255	158	8076	2.776	ppm	81
69) m-Dinitrobenzene	7.399	168	9752	5.356	ppm	80
70) Acenaphthylene	7.479	152	73186	4.931	ppm	99
71) Dimethyl phthalate	7.340	163	60607	5.594	ppm	97
72) 2,6-Dinitrotoluene	7.415	165	13015	5.291	ppm	98
73) Acenaphthene	7.645	153	50491	4.890	ppm	100
74) 3-Nitroaniline	7.591	138	13868	4.905	ppm	81
75) 2,4-Dinitrophenol	7.719	184	1927	5.708	ppm	85
76) Dibenzofuran	7.815	168	62836	4.928	ppm	97
77) 2,4-Dinitrotoluene	7.815	165	17646	5.432	ppm	99
78) 4-Nitrophenol	7.815	65	6072	3.273	ppm	# 1
79) Pentachlorobenzene	7.773	250	17239	5.050	ppm	94
80) 1-Naphthylamine	7.901	143	18592	2.769	ppm	100
81) 2-Naphthylamine	7.981	143	24998	2.924	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.949	232	10341	5.312	ppm	93
83) Fluorene	8.157	166	54541	5.203	ppm	90
84) 4-Chlorophenyl-phenyle...	8.152	204	22698	5.367	ppm	89
85) Diethylphthalate	8.034	149	65639	6.118	ppm	98
86) 4-Nitroaniline	8.200	138	14738	5.284	ppm	96
87) 5-Nitro-o-toluidine	8.179	152	15857	5.008	ppm	98
89) Sulfotepp	8.414	322	7954	5.940	ppm	94
90) Octachlorocyclopentene	8.398	307	3225	2.366	ppm	89
92) Thionazin	8.115	107	10886	6.142	ppm	93
93) 4,6-Dinitro-2-methylph...	8.221	198	5020	2.883	ppm	86
94) Diphenylamine	8.269	169	91003	11.400	ppm	98
95) 1,2 Diphenylhydrazine	8.307	77	55130	5.473	ppm	96
96) N-Nitrosodiphenylamine	8.269	169	91003	11.400	ppm	98
97) 1,3,5-Trinirobenzene	8.590	74	5562	3.860	ppm	86
98) Diallate	8.542	86	23468	5.650	ppm	87
99) Phorate	8.558	121	10949	5.240	ppm	90

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS016.D
Acq On : 13 May 2019 3:51 pm
Operator : JMisiurewicz
Sample : MDL 10 ppm
Misc : 335967 8270D SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 14 06:31:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.585	108	32934	6.258	ppm	94
101) 4-Bromophenyl-phenylether	8.633	248	13025	5.514	ppm	93
102) Hexachlorobenzene	8.697	284	15174	5.712	ppm	87
103) Dimethoate	8.734	87	23787	6.891	ppm	92
104) Atrazine	8.798	215	7355	5.694	ppm	90
105) Pentachlorophenol	8.910	266	3625	7.401	ppm	81
106) 4-Aminobiphenyl	8.900	169	34319	4.231	ppm	98
107) Pentachloronitrobenzene	8.900	237	5792	5.902	ppm	96
108) Pronamide	8.948	173	25379	5.495	ppm	87
109) Dinoseb	9.071	211	7524	3.283	ppm	94
110) Disulfoton	9.071	88	30290	6.113	ppm	98
111) Phenanthrene	9.108	178	81592	5.711	ppm	100
112) Anthracene	9.161	178	79567	5.605	ppm	98
113) Carbazole	9.332	167	80782	5.793	ppm	99
114) Di-n-butylphthalate	9.647	149	111519	6.188	ppm	97
115) 4-Nitroquinoline-1-oxide	9.904	190	617	0.730	ppm	95
116) Fluoranthene	10.326	202	84561	5.782	ppm	96
118) Methyl Parathion	9.450	109	20107	6.262	ppm	90
119) Ethyl Parathion	9.834	97	14604	6.087	ppm	94
120) Methapyrilene	9.947	58	155758	44.628	ppm	95
121) Isodrin	10.144	193	8135	5.493	ppm	94
122) Benzidine	10.491	184	26025	2.738	ppm	90
123) Pyrene	10.593	202	90434	6.080	ppm	99
125) Aramite	10.833	185	13332m	6.539	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	24497	5.544	ppm	95
127) Chlorobenzilate	11.009	139	31890	6.178	ppm	94
128) Butyl benzyl phthalate	11.442	149	53312	6.461	ppm	99
129) 3,3-Dimethylbenzidine	11.437	212	37496	4.145	ppm	98
130) 2-Acetylaminofluorene	11.837	181	41902	6.359	ppm	98
131) 3,3'-Dichlorobenzidine	12.318	252	33455	6.210	ppm	93
132) Benzo(a)anthracene	12.339	228	87115	6.334	ppm	97
133) Chrysene	12.403	228	81087	6.409	ppm	97
134) bis(2-Ethylhexyl)phtha...	12.403	149	80025	7.048	ppm	95
136) Di-n-octyl phthalate	13.723	149	132314	7.078	ppm	95
137) 7,12-Dimethylbenz(a)an...	14.449	256	38273	6.427	ppm	92
138) Benzo(b)Fluoranthene	14.460	252	86893	6.629	ppm	95
139) Benzo(k)fluoranthene	14.524	252	83006	6.686	ppm	98
140) Benzo(a)pyrene	15.175	252	73648	6.533	ppm	99
141) 3-Methylcholanthrene	15.950	268	44157	6.688	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.264	276	73174	6.619	ppm	92
143) Dibenz(a,h)anthracene	17.312	278	80556	6.954	ppm	93
144) Benzo(g,h,i)perylene	17.728	276	64539	6.773	ppm	96

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS017.D
 Acq On : 13 May 2019 4:20 pm
 Operator : JMisiurewicz
 Sample : MDL 50 ppm
 Misc : 335967 8270D SOIL
 ALS Vial : 18 Sample Multiplier: 1

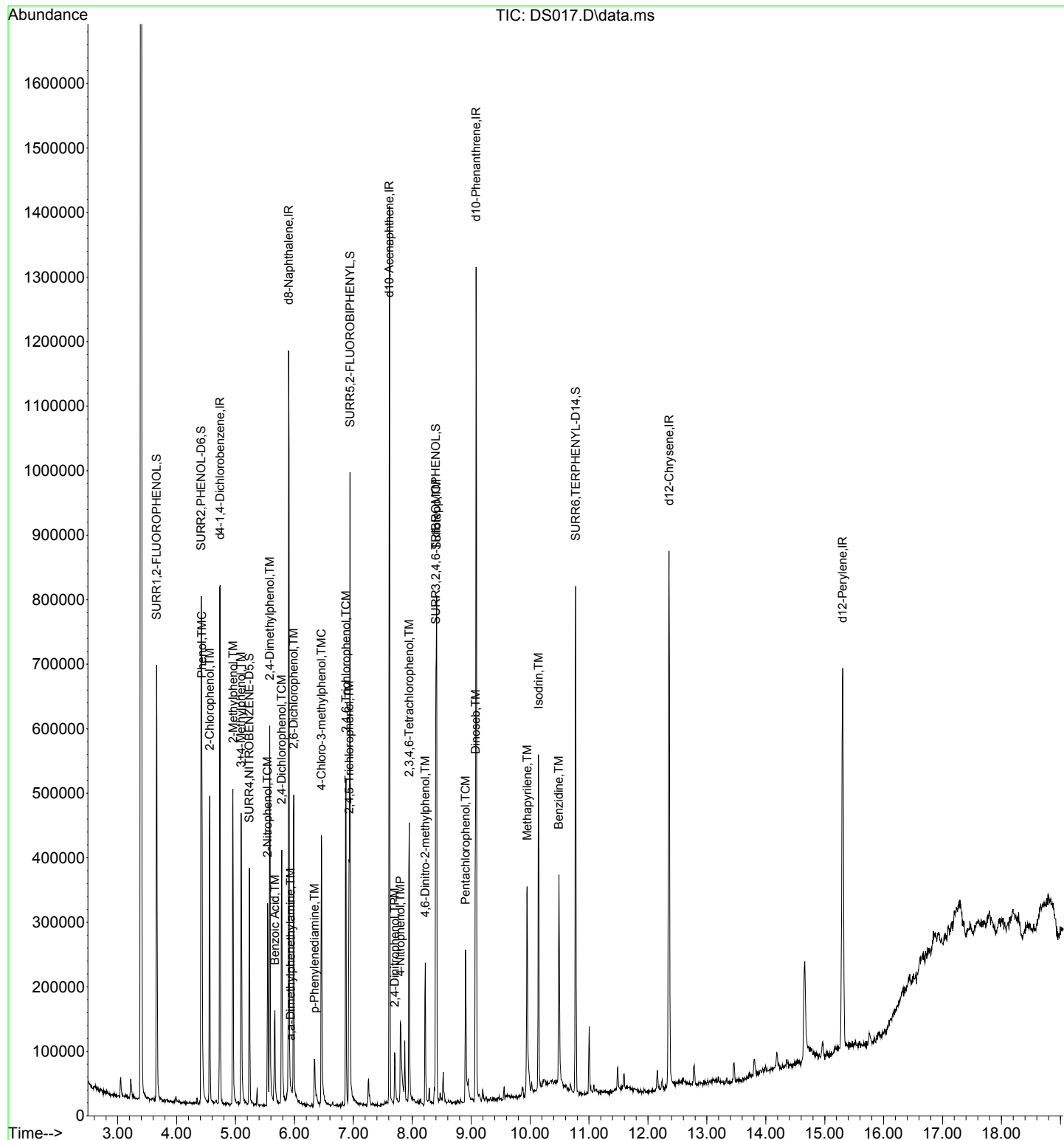
Quant Time: May 14 06:31:40 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.736	152	139293	40.00	ppm	0.00	
33) d8-Naphthalene	5.901	136	536786	40.00	ppm	0.00	
57) d10-Acenaphthene	7.610	164	276610	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	421649	40.00	ppm	0.00	
117) d12-Chrysene	12.358	240	381409	40.00	ppm	0.00	
135) d12-Perylene	15.306	264	376039	40.00	ppm	0.01	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.657	112	235997	46.58	ppm	0.00	
Spiked Amount	100.000	Range	10 - 88	Recovery	=	46.58%	
12) SURR2,PHENOL-D6	4.416	99	282520	45.39	ppm	-0.01	
Spiked Amount	100.000	Range	10 - 145	Recovery	=	45.39%	
34) SURR4,NITROBENZENE-D5	5.233	82	117021	21.48	ppm	0.00	
Spiked Amount	50.000	Range	10 - 95	Recovery	=	42.96%	
63) SURR5,2-FLUOROBIPHENYL	6.942	172	242767	23.08	ppm	0.00	
Spiked Amount	50.000	Range	10 - 102	Recovery	=	46.16%	
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	69643	61.48	ppm	0.00	
Spiked Amount	100.000	Range	10 - 109	Recovery	=	61.48%	
124) SURR6,TERPHENYL-D14	10.772	244	243038	27.05	ppm	0.00	
Spiked Amount	50.000	Range	10 - 106	Recovery	=	54.10%	
Target Compounds							
							Qvalue
13) Phenol	4.426	94	154512	22.697	ppm		97
16) 2-Chlorophenol	4.560	128	132408	24.761	ppm		94
23) 2-Methylphenol	4.955	108	112763	23.502	ppm		96
24) 3+4-Methylphenol	5.094	108	120420	22.181	ppm		96
38) 2-Nitrophenol	5.543	139	67415	23.817	ppm		93
39) 2,4-Dimethylphenol	5.580	107	130799	25.660	ppm		99
41) Benzoic Acid	5.666	105	50602	34.522	ppm		94
42) 2,4-Dichlorophenol	5.783	162	103682	25.680	ppm		98
43) a,a-Dimethylphenethyla...	5.933	58	100265	9.850	ppm		99
47) 2,6-Dichlorophenol	5.986	162	102581	24.296	ppm		92
50) 4-Chloro-3-methylphenol	6.456	107	105672	26.205	ppm		94
53) p-Phenylenediamine	6.338	80	16260	15.754	ppm		96
61) 2,4,6-Trichlorophenol	6.873	196	70150	27.205	ppm		96
62) 2,4,5-Trichlorophenol	6.926	196	69459	25.045	ppm		98
75) 2,4-Dinitrophenol	7.700	184	16330	24.642	ppm		87
78) 4-Nitrophenol	7.797	65	39889	22.498	ppm	#	21
82) 2,3,4,6-Tetrachlorophenol	7.946	232	53136	28.557	ppm		96
89) Sulfotepp	8.411	322	39330	30.729	ppm		94
93) 4,6-Dinitro-2-methylph...	8.219	198	33680	20.722	ppm		96
105) Pentachlorophenol	8.902	266	32603	40.822	ppm		98
109) Dinoseb	9.073	211	46427	21.702	ppm		97
120) Methapyrilene	9.949	58	116345	35.401	ppm		97
121) Isodrin	10.141	193	35211	25.249	ppm		95
122) Benzidine	10.489	184	163413	18.260	ppm		100

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

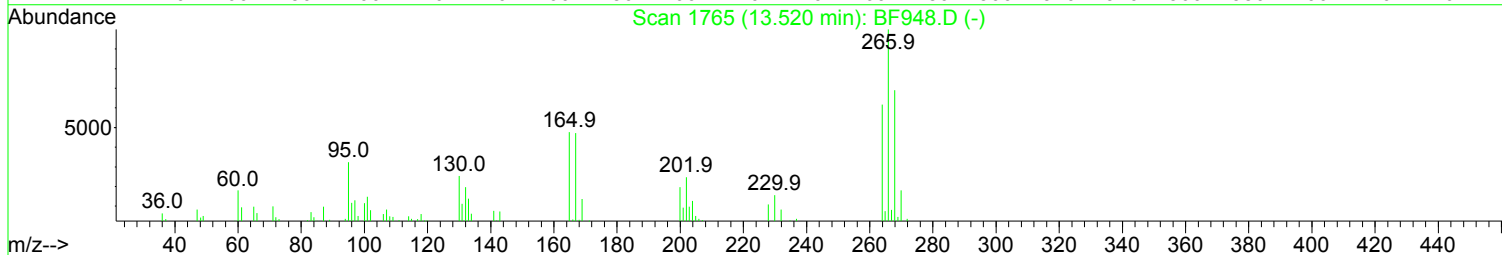
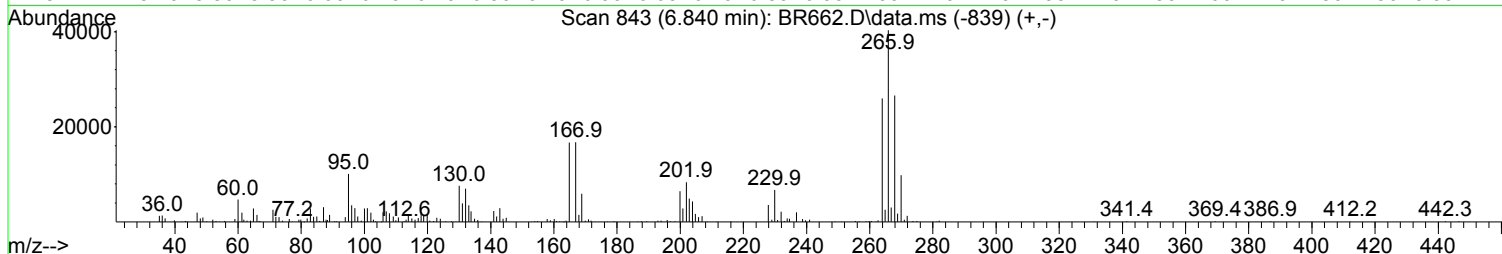
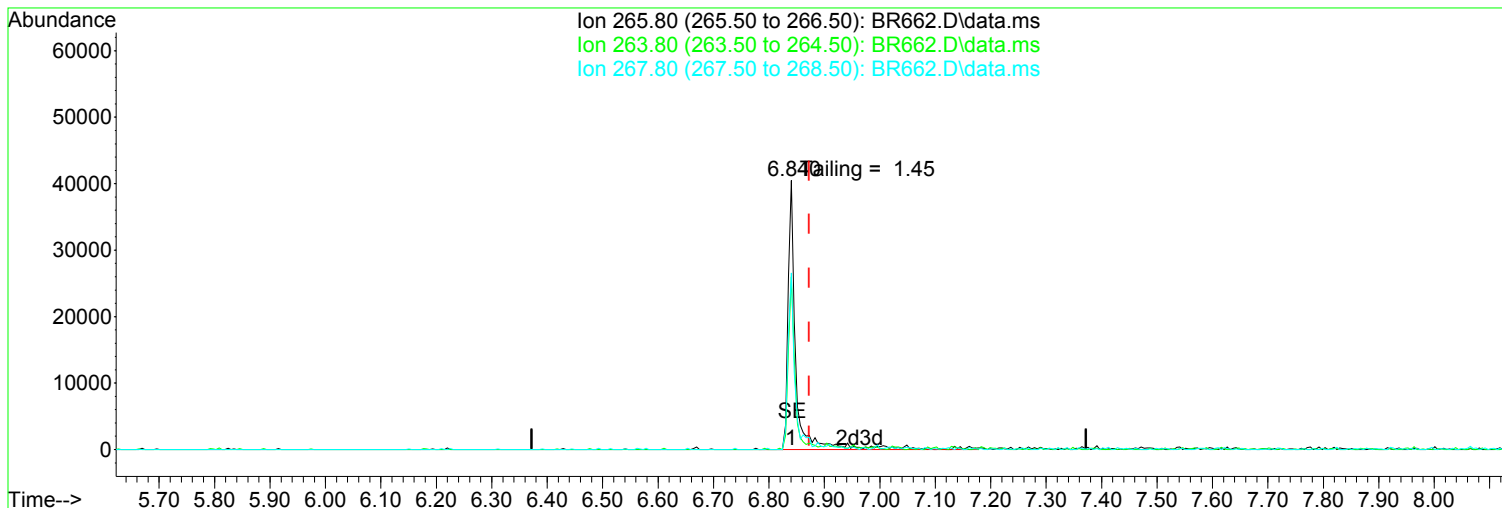
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS017.D
Acq On : 13 May 2019 4:20 pm
Operator : JMisiurewicz
Sample : MDL 50 ppm
Misc : 335967 8270D SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 14 06:31:40 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR662.D
 Acq On : 7 May 2019 12:42 pm
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Fri Feb 01 11:56:36 2019
 Response via : Initial Calibration



TIC: BR662.D\data.ms

(5) Pentachlorophenol (TCM)

6.840min (-0.032) 43.99 ppm

response 37385

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.95
267.80	64.20	65.63
0.00	0.00	0.00

Manual Integration:

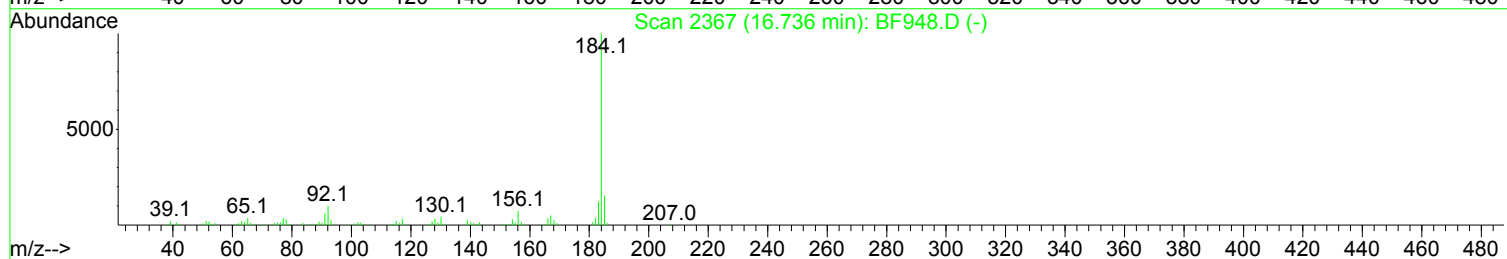
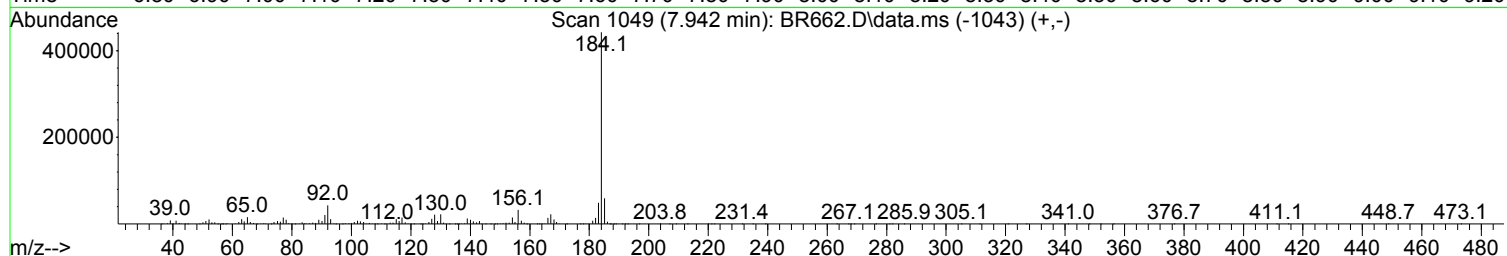
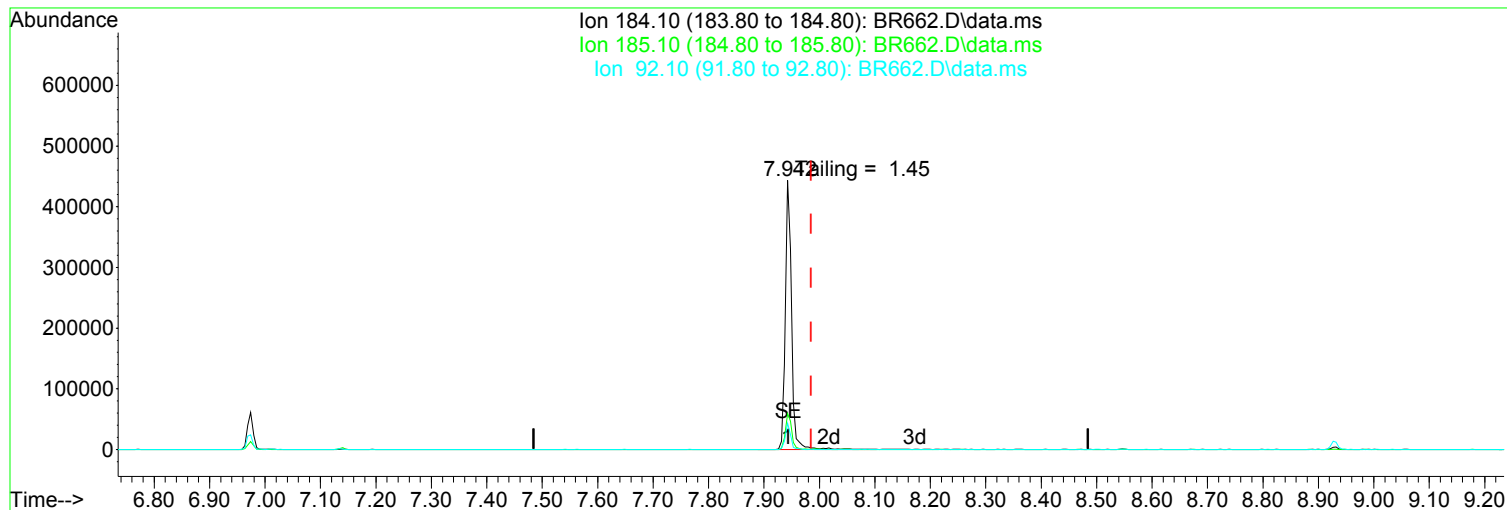
After

Other - Tailing

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



TIC: BR662.D\data.ms

(8) Benzidine (T)

Manual Integration:

7.942min (-0.043) 57.28 ppm

After

response 339857

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.34
92.10	10.10	9.76
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR662.D
 Acq On : 7 May 2019 12:42 pm
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

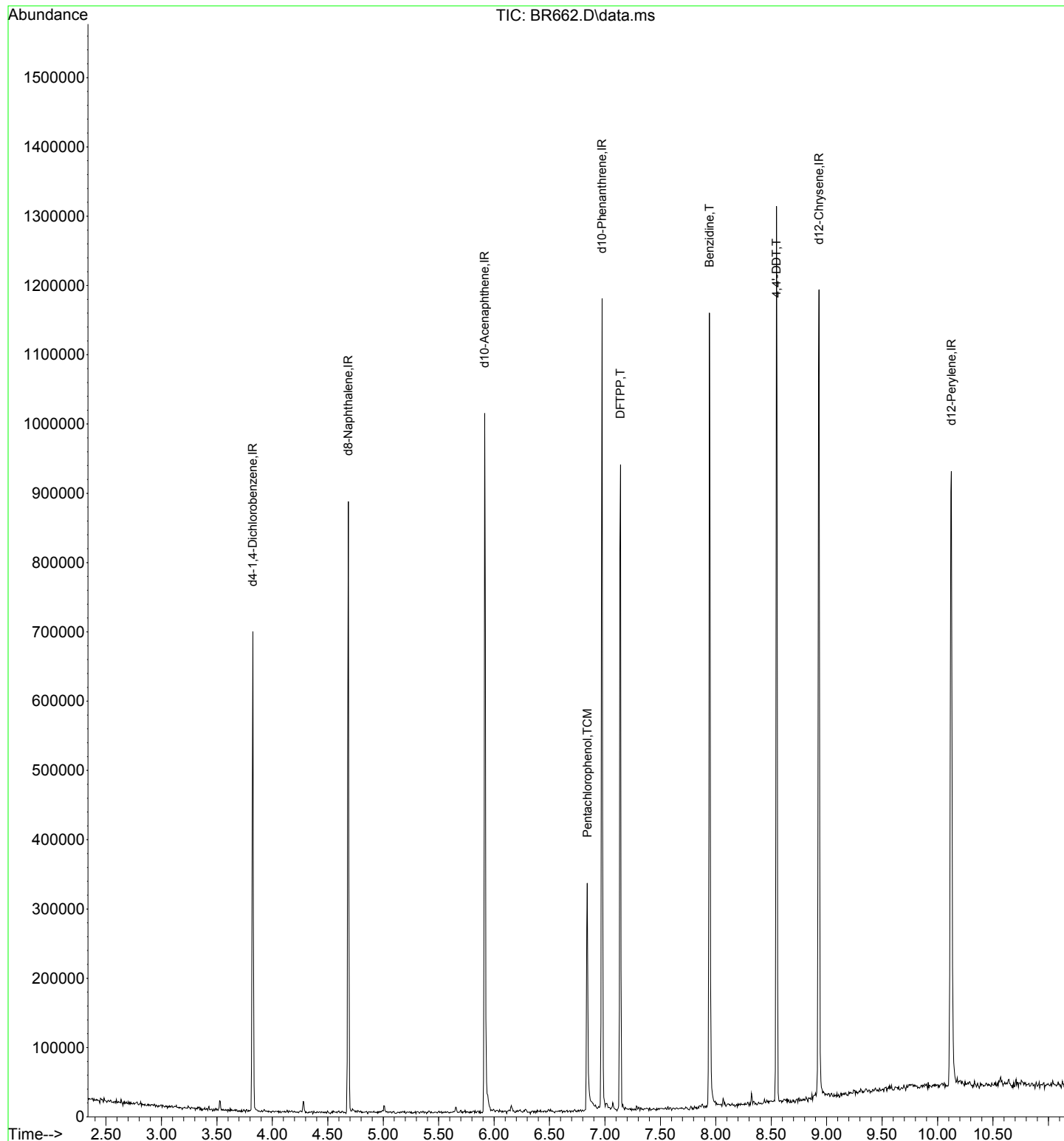
Quant Time: May 07 13:47:04 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Fri Feb 01 11:56:36 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	3.824	152	76860	40.00	ppm	-0.04	
2) d8-Naphthalene	4.685	136	279275	40.00	ppm	-0.04	
3) d10-Acenaphthene	5.915	164	165155	40.00	ppm	-0.04	
4) d10-Phenanthrene	6.974	188	298326	40.00	ppm	-0.04	
7) d12-Chrysene	8.932	240	334629	40.00	ppm	-0.04	
12) d12-Perylene	10.124	264	358498	40.00	ppm	-0.05	
Target Compounds							
5) Pentachlorophenol	6.840	266	37385	43.989	ppm		Qvalue 99
6) DFTPP	7.140	198	60815	59.652	ppm		90
8) Benzidine	7.942	184	339857	57.278	ppm		98
9) 4,4'-DDE	7.140	246	1833	N.D.			
10) 4,4'-DDD	0.000		0	N.D.	d		
11) 4,4'-DDT	8.547	235	170595	53.172	ppm		90

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

Data Path : I:\ACQUDATA\5973D\Data\050719\
Data File : BR662.D
Acq On : 7 May 2019 12:42 pm
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

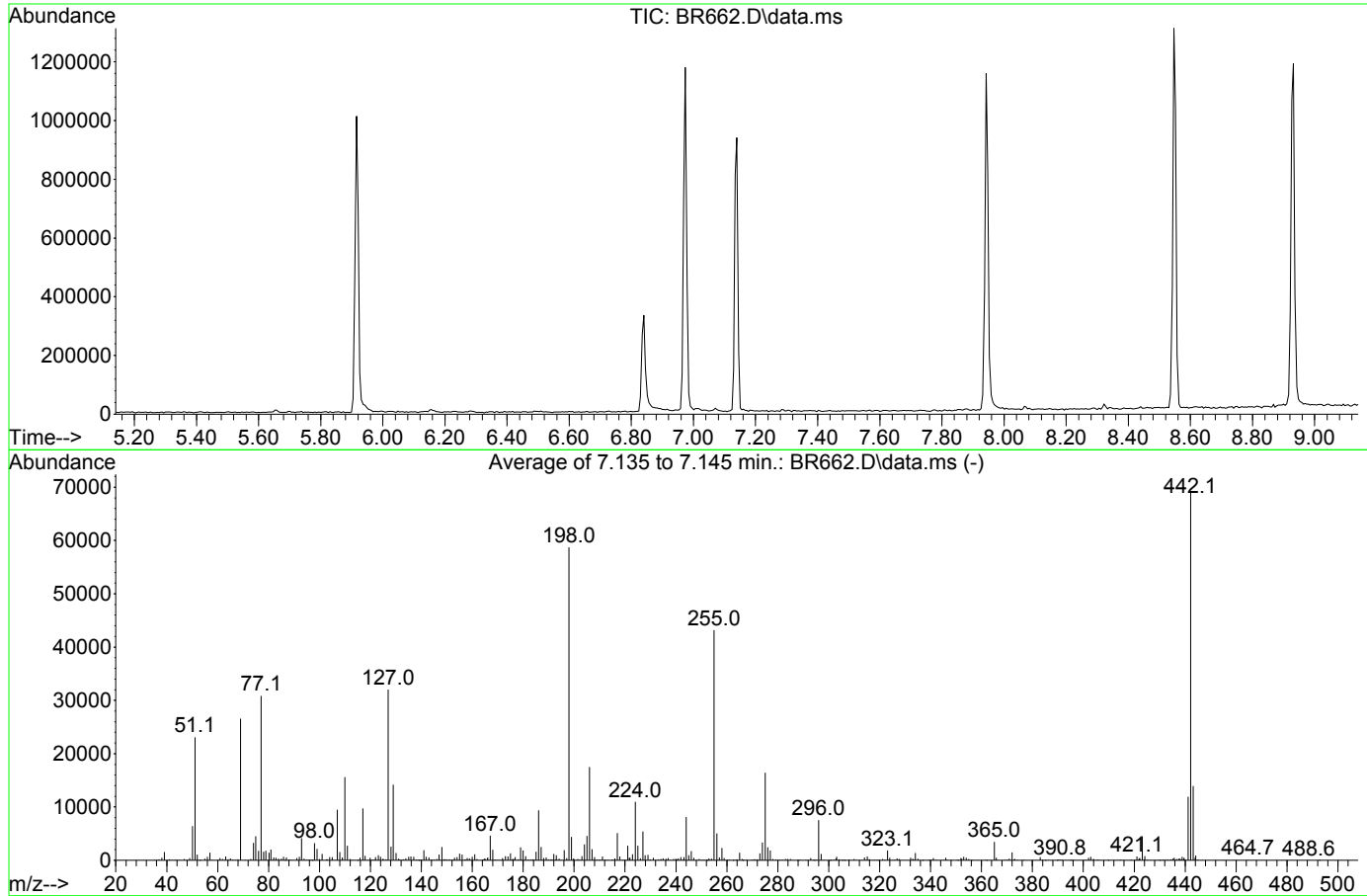
Quant Time: May 07 13:47:04 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR662.D
 Acq On : 7 May 2019 12:42 pm
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Sep 19 10:00:53 2018



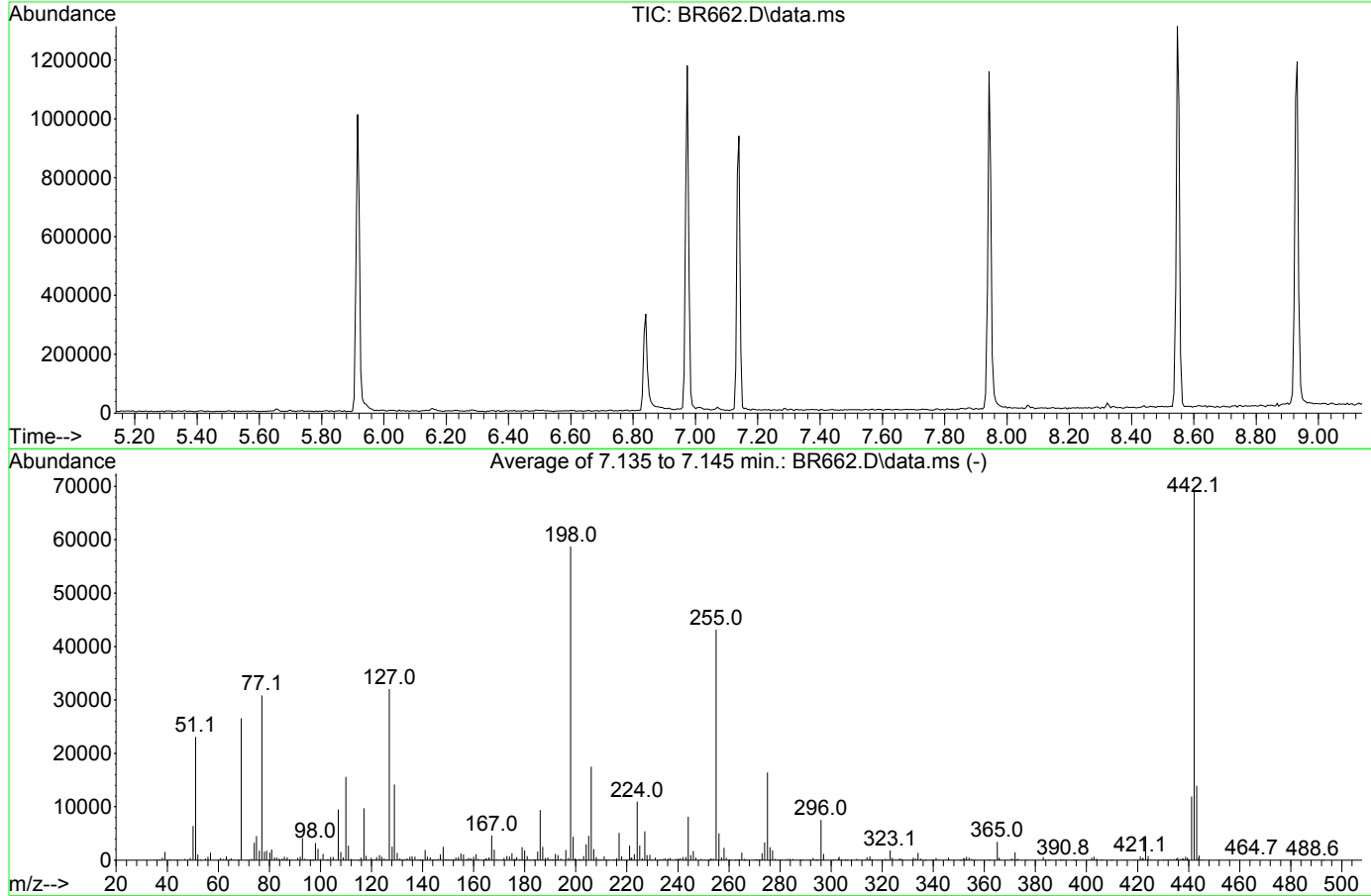
AutoFind: Scans 898, 899, 900; Background Corrected with Scan 893

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.4	23101	PASS
68	69	0.00	2	0.6	157	PASS
69	198	0.00	100	45.2	26560	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.5	32014	PASS
197	198	0.00	1	0.7	406	PASS
198	198	100	100	100.0	58705	PASS
199	198	5	9	7.5	4422	PASS
275	198	10	30	28.0	16428	PASS
365	198	1	500	5.8	3430	PASS
441	443	0.01	100	85.9	11948	PASS
442	198	50	500	117.5	68973	PASS
443	442	17	23	20.2	13914	PASS

Data Path : I:\ACQUDATA\5973D\Data\050719\
 Data File : BR662.D
 Acq On : 7 May 2019 12:42 pm
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Title : TUNE CHECK
 Last Update : Fri Feb 01 11:56:36 2019

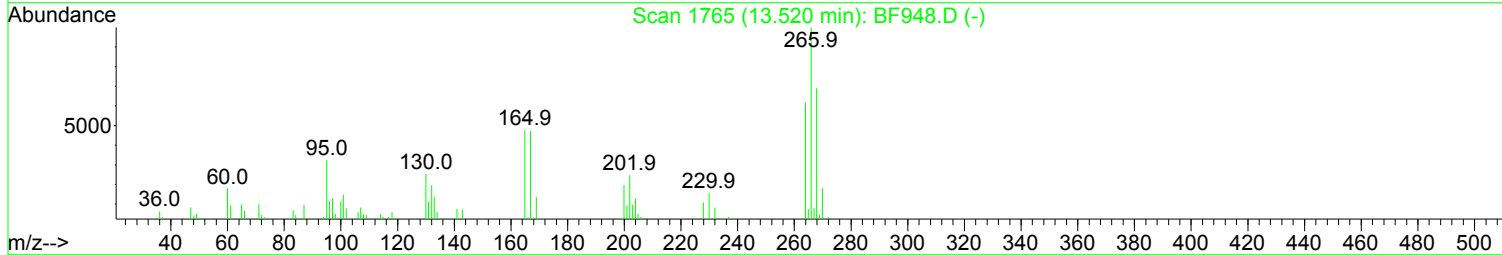
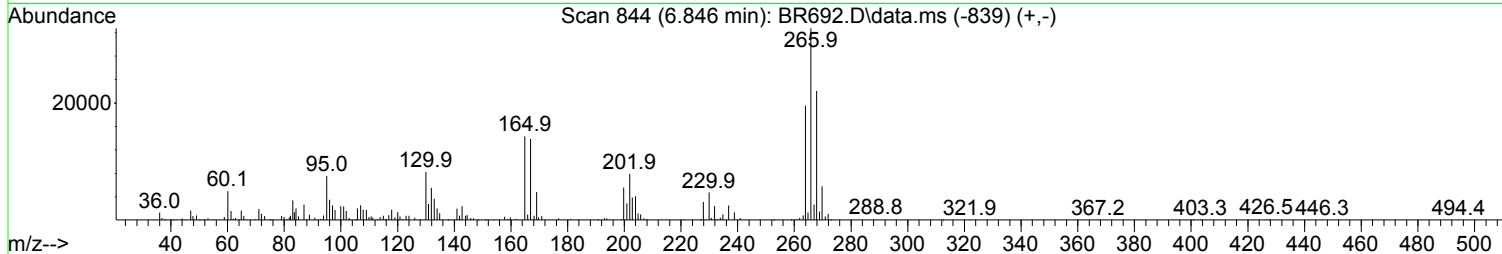
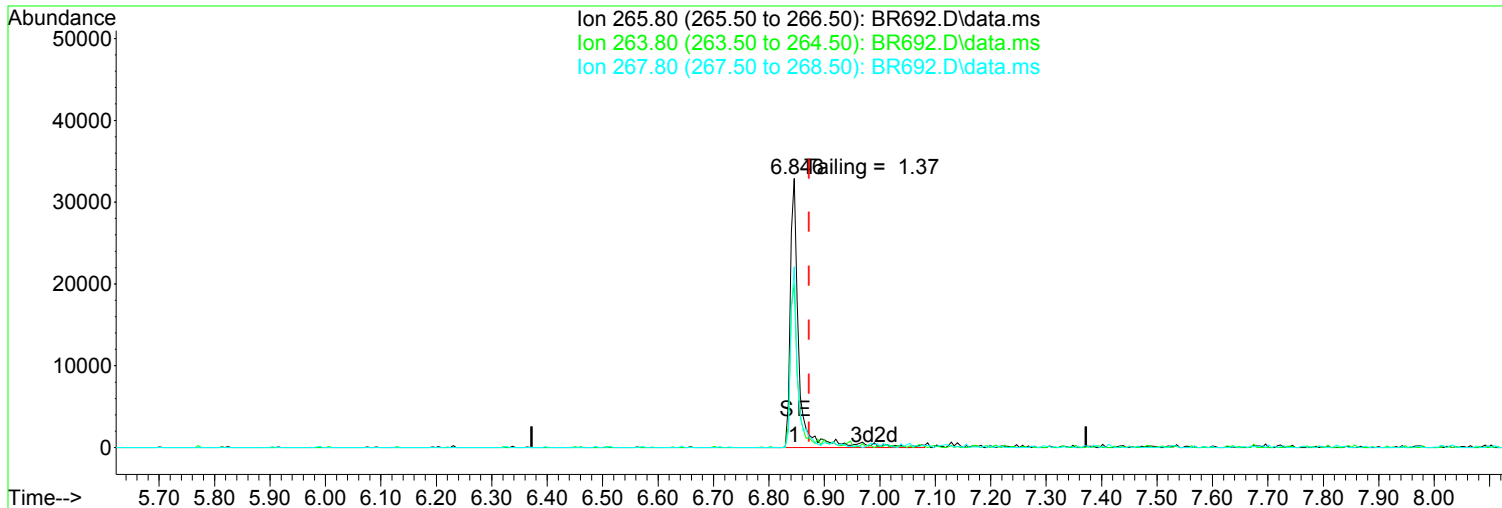


AutoFind: Scans 898, 899, 900; Background Corrected with Scan 893

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.4	23101	PASS
68	69	0.00	2	0.6	157	PASS
69	198	0.00	100	45.2	26560	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	54.5	32014	PASS
197	198	0.00	2	0.7	406	PASS
198	198	100	100	100.0	58705	PASS
199	198	5	9	7.5	4422	PASS
275	198	10	60	28.0	16428	PASS
365	198	1	500	5.8	3430	PASS
441	442	0.01	24	17.3	11948	PASS
442	442	100	100	100.0	68973	PASS
443	442	15	24	20.2	13914	PASS

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR692.D
 Acq On : 8 May 2019 7:49 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Fri Feb 01 11:56:36 2019
 Response via : Initial Calibration



TIC: BR692.D\data.ms

(5) Pentachlorophenol (TCM)

6.846min (-0.027) 46.64 ppm

response 34303

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	59.73
267.80	64.20	67.34
0.00	0.00	0.00

Manual Integration:

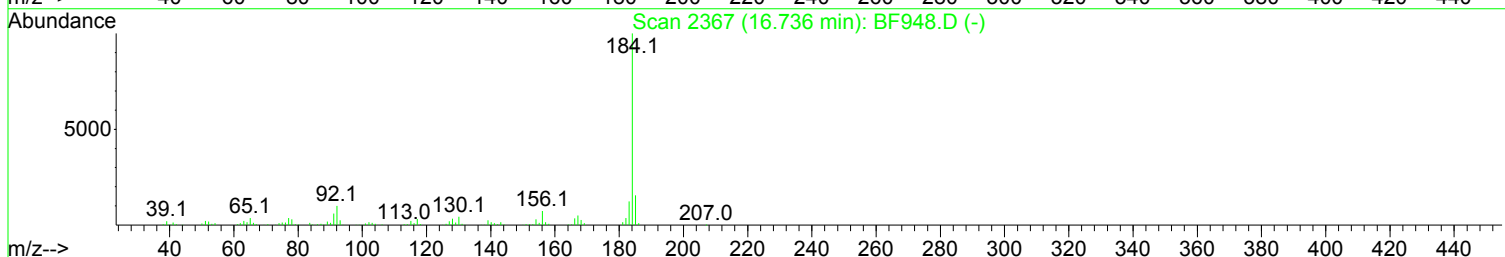
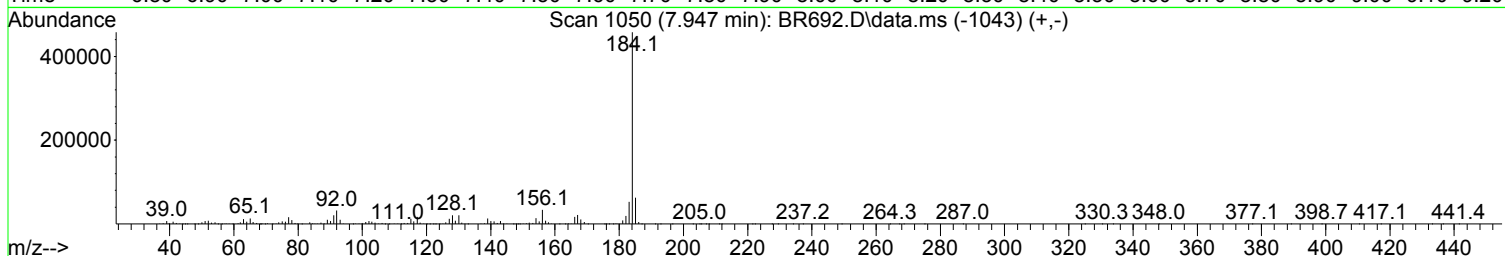
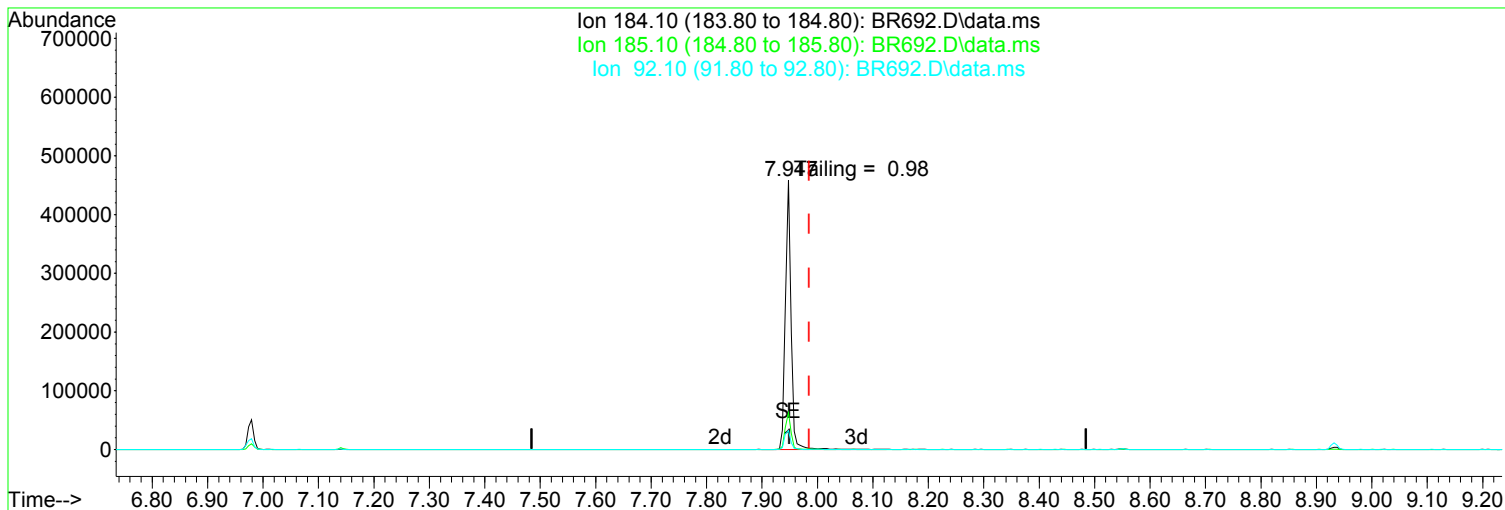
After

Other - Tailing

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



TIC: BR692.D\data.ms

(8) Benzidine (T)

Manual Integration:

7.947min (-0.037) 58.86 ppm

After

response 321128

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.64
92.10	10.10	6.97
0.00	0.00	0.00

05/09/19

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR692.D
 Acq On : 8 May 2019 7:49 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 08:15:22 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Fri Feb 01 11:56:36 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

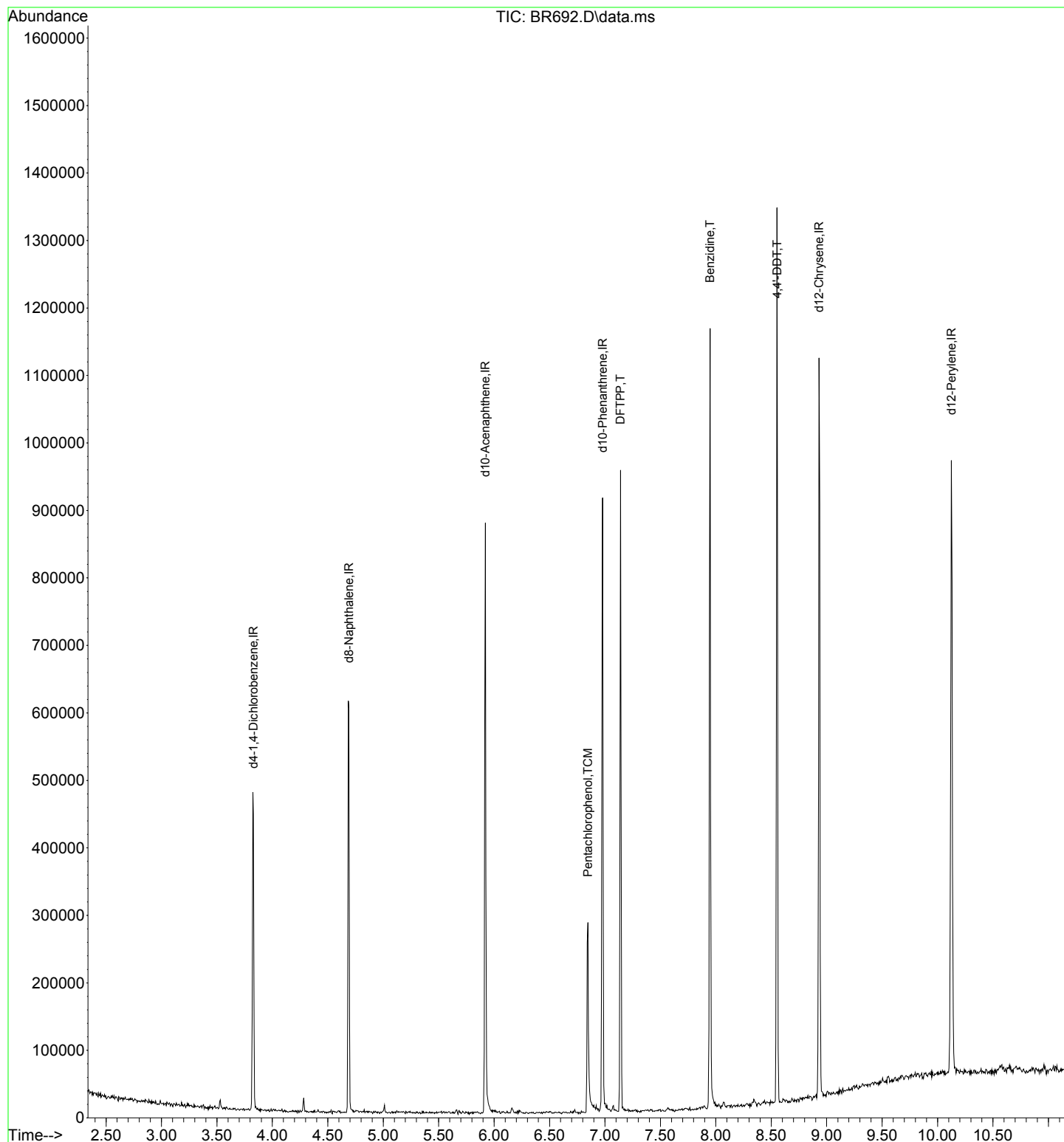
Internal Standards							
1) d4-1,4-Dichlorobenzene	3.829	152	58853	40.00	ppm	-0.04	
2) d8-Naphthalene	4.690	136	227200	40.00	ppm	-0.03	
3) d10-Acenaphthene	5.920	164	137285	40.00	ppm	-0.03	
4) d10-Phenanthrene	6.979	188	258148	40.00	ppm	-0.03	
7) d12-Chrysene	8.932	240	307713	40.00	ppm	-0.04	
12) d12-Perylene	10.124	264	342426	40.00	ppm	-0.05	

Target Compounds							Qvalue
5) Pentachlorophenol	6.846	266	34303	46.645	ppm		96
6) DFTPP	7.140	198	56101	63.593	ppm		72
8) Benzidine	7.947	184	321128	58.856	ppm		95
9) 4,4'-DDE	7.140	246	2258	N.D.			
10) 4,4'-DDD	0.000		0	N.D.	d		
11) 4,4'-DDT	8.552	235	162509	55.083	ppm		94

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

Data Path : I:\ACQUDATA\5973D\Data\050819\
Data File : BR692.D
Acq On : 8 May 2019 7:49 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

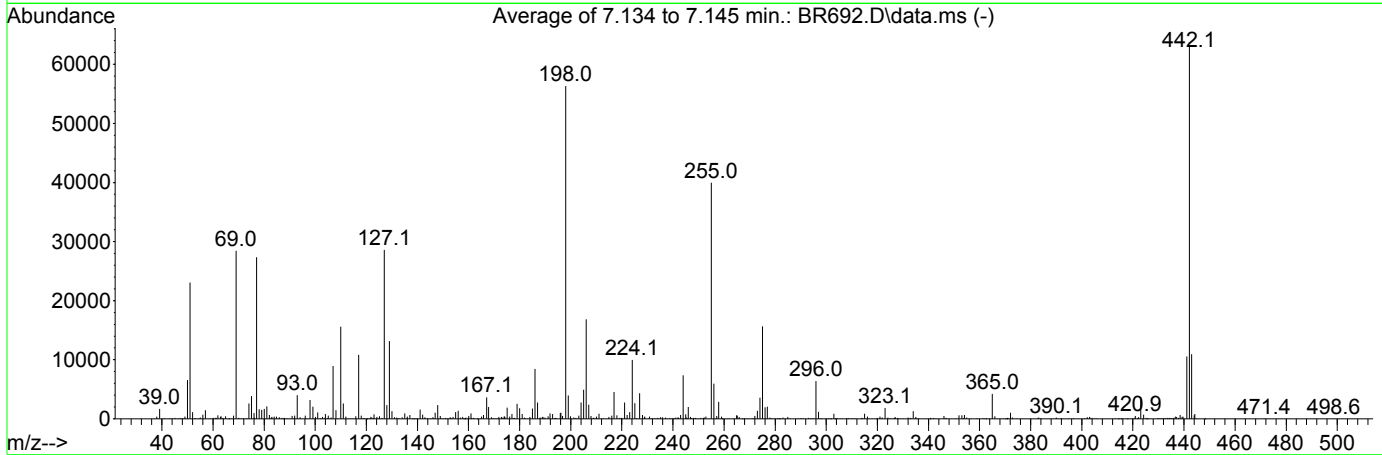
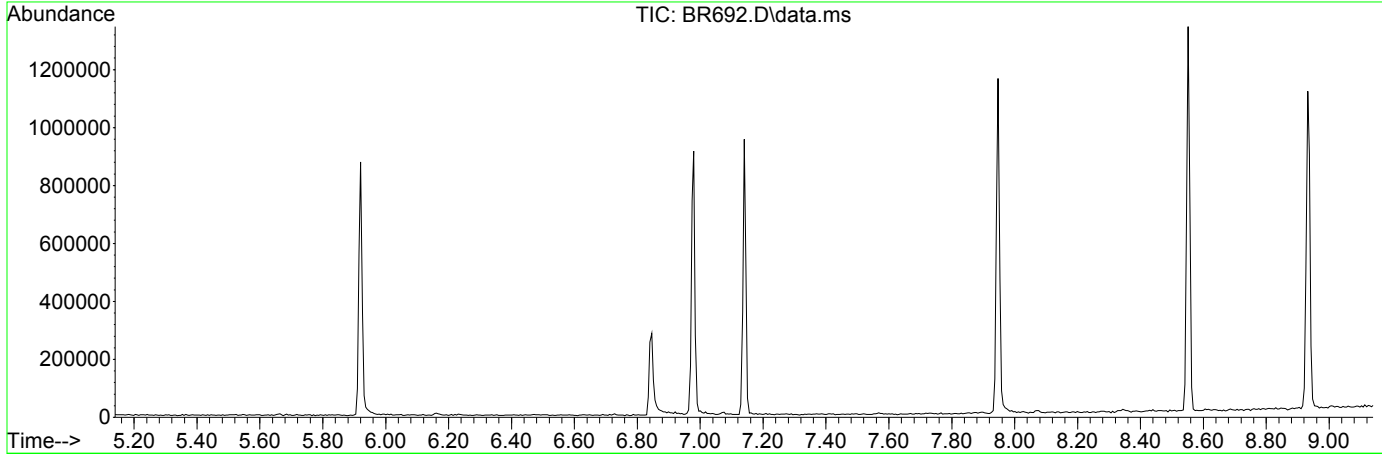
Quant Time: May 08 08:15:22 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR692.D
 Acq On : 8 May 2019 7:49 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Sep 19 10:00:53 2018



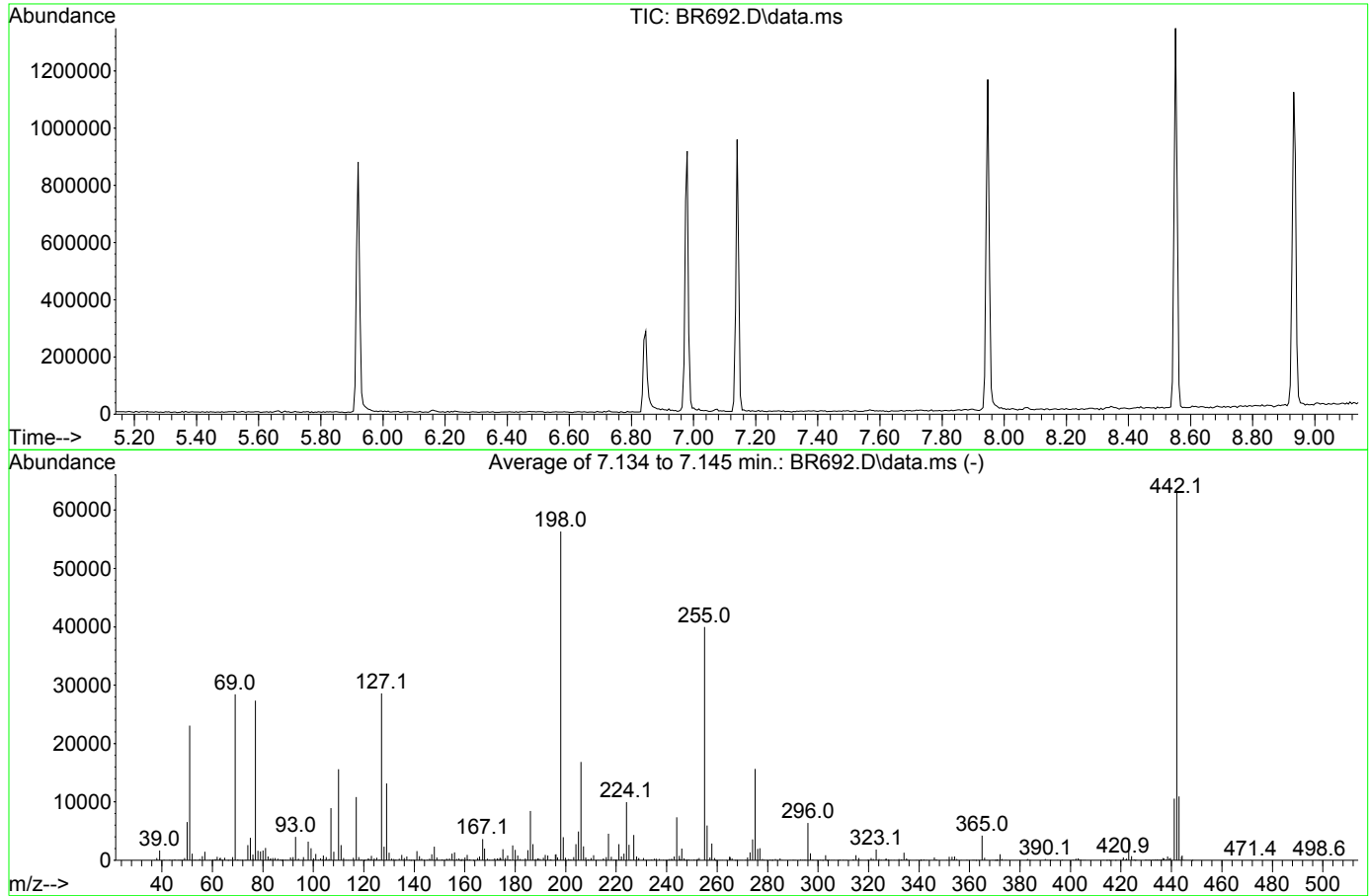
AutoFind: Scans 898, 899, 900; Background Corrected with Scan 894

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.9	23054	PASS
68	69	0.00	2	2.0	562	PASS
69	198	0.00	100	50.4	28419	PASS
70	69	0.00	2	0.7	190	PASS
127	198	40	60	50.8	28608	PASS
197	198	0.00	1	0.9	489	PASS
198	198	100	100	100.0	56352	PASS
199	198	5	9	7.0	3952	PASS
275	198	10	30	27.8	15679	PASS
365	198	1	500	7.5	4229	PASS
441	443	0.01	100	96.3	10554	PASS
442	198	50	500	111.8	62983	PASS
443	442	17	23	17.4	10961	PASS

Data Path : I:\ACQUDATA\5973D\Data\050819\
 Data File : BR692.D
 Acq On : 8 May 2019 7:49 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Title : TUNE CHECK
 Last Update : Fri Feb 01 11:56:36 2019

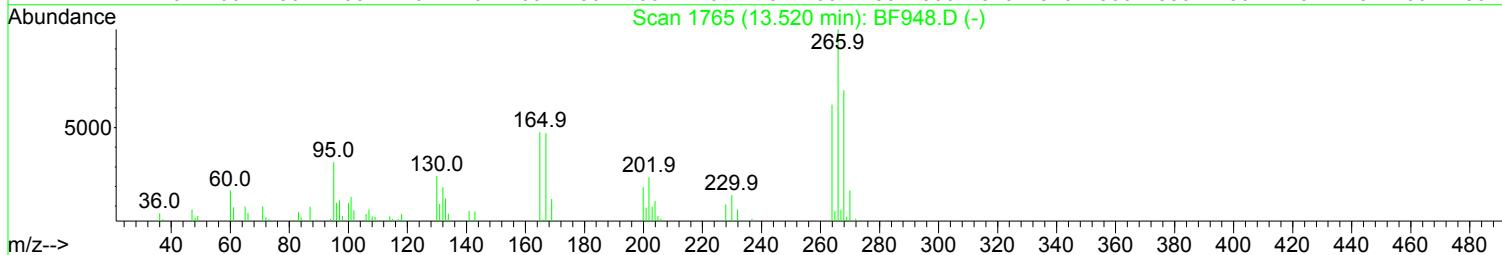
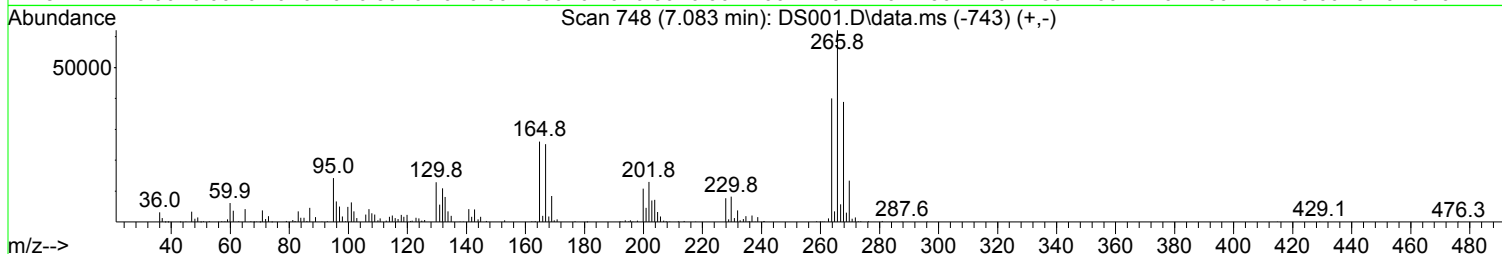
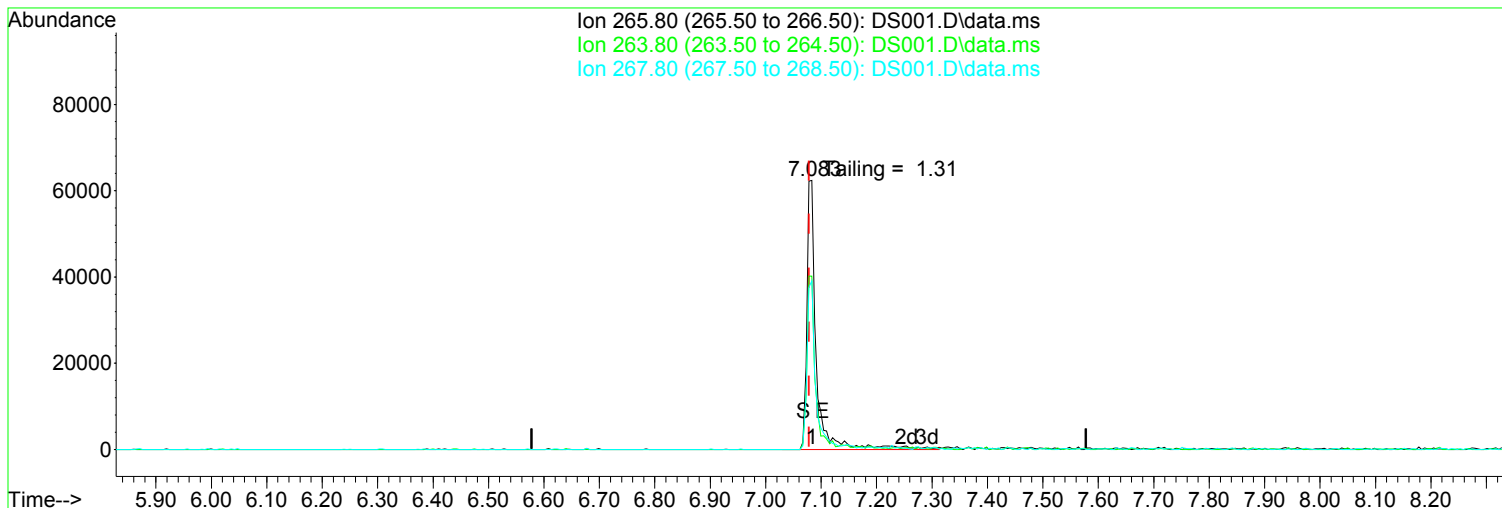


AutoFind: Scans 898, 899, 900; Background Corrected with Scan 894

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.9	23054	PASS
68	69	0.00	2	2.0	562	PASS
69	198	0.00	100	50.4	28419	PASS
70	69	0.00	2	0.7	190	PASS
127	198	10	80	50.8	28608	PASS
197	198	0.00	2	0.9	489	PASS
198	198	100	100	100.0	56352	PASS
199	198	5	9	7.0	3952	PASS
275	198	10	60	27.8	15679	PASS
365	198	1	500	7.5	4229	PASS
441	442	0.01	24	16.8	10554	PASS
442	442	100	100	100.0	62983	PASS
443	442	15	24	17.4	10961	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DS001.D\data.ms

(5) Pentachlorophenol (TCM)

Manual Integration:

7.083min (+ 0.005) 73.78 ppm

After

response 71991

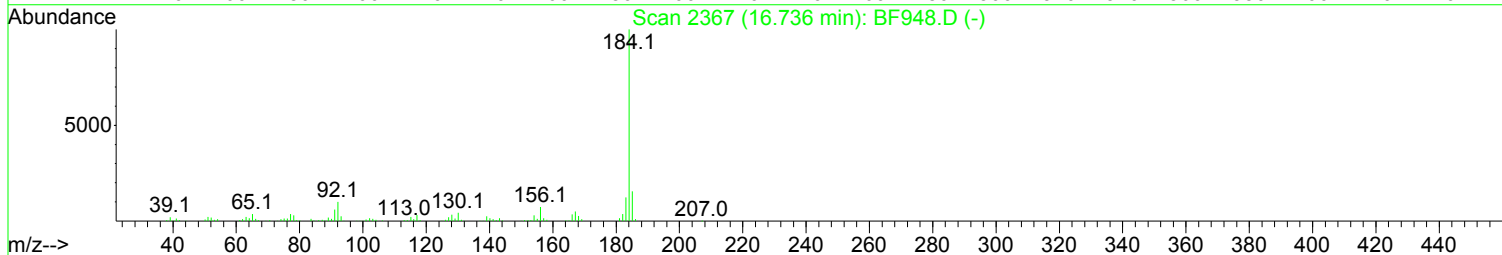
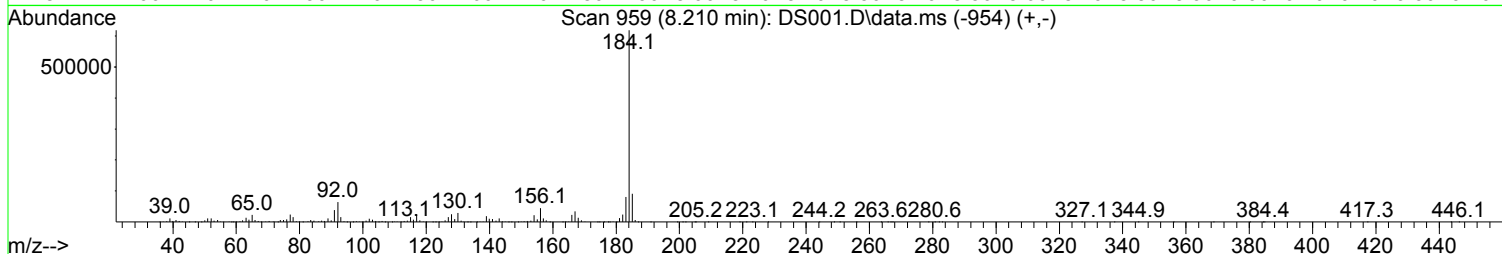
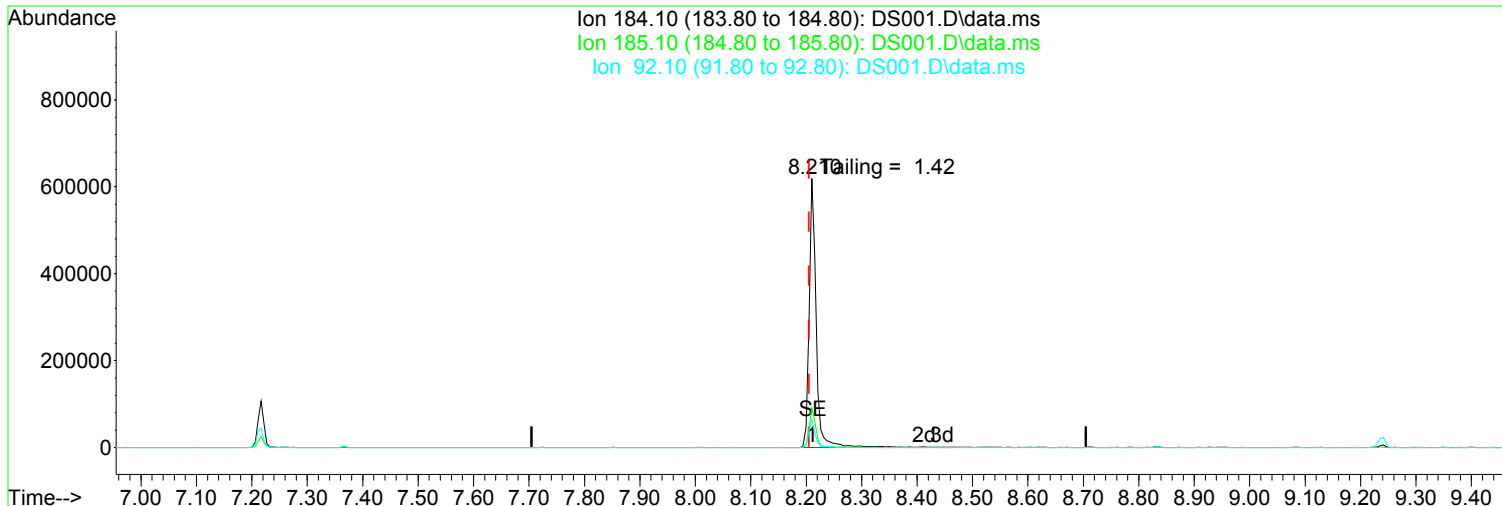
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	64.42
267.80	64.20	62.62
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration



TIC: DS001.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.210min (+ 0.005) 40.88 ppm

After

response 546995

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.74
92.10	10.10	10.37
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

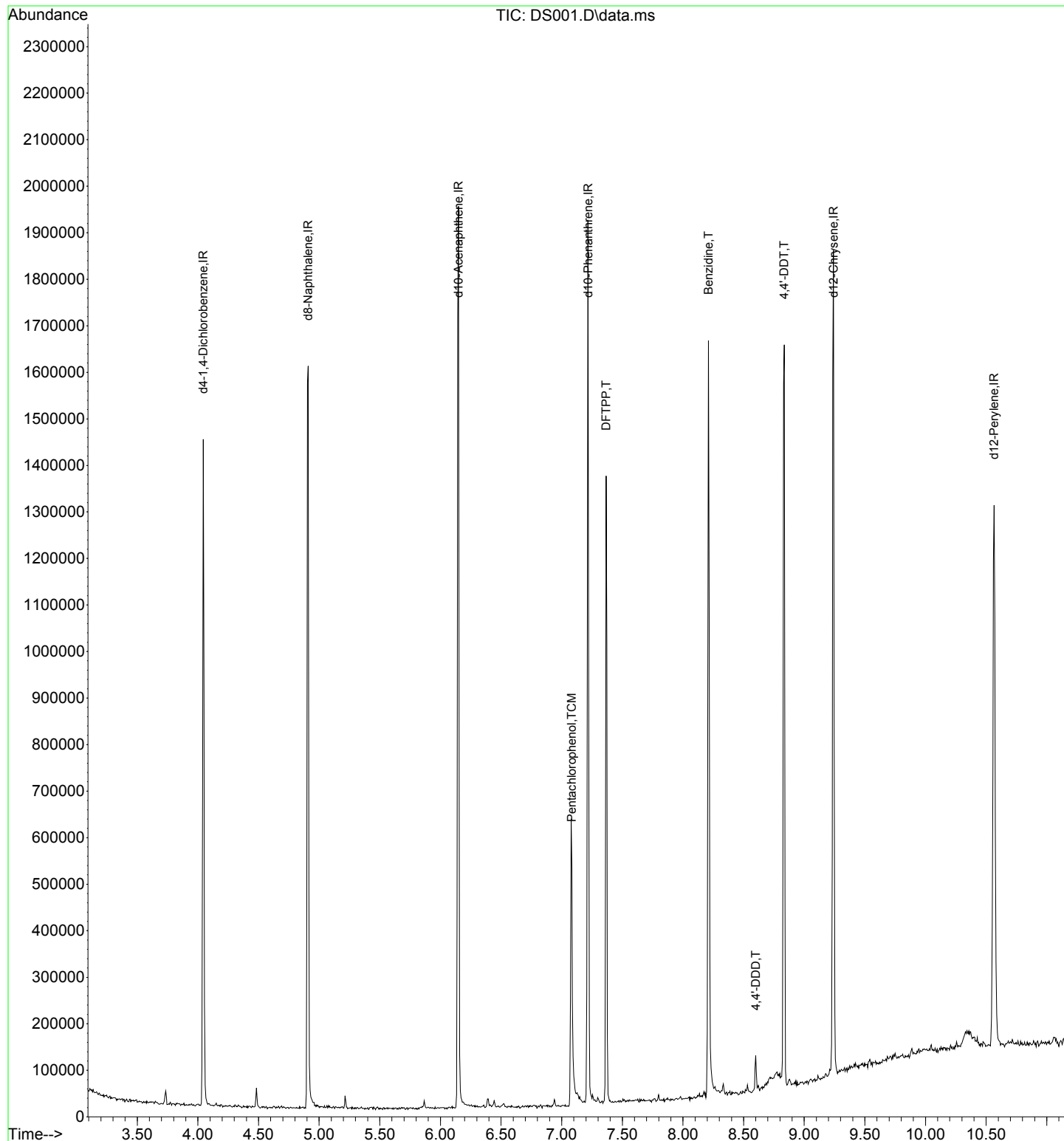
Quant Time: May 13 08:32:00 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.044	152	183714	40.00	ppm	0.00
2) d8-Naphthalene	4.909	136	680406	40.00	ppm	0.00
3) d10-Acenaphthene	6.149	164	333238	40.00	ppm	0.00
4) d10-Phenanthrene	7.217	188	532632	40.00	ppm	0.00
7) d12-Chrysene	9.241	240	493008	40.00	ppm	0.02
12) d12-Perylene	10.566	264	507233	40.00	ppm	0.03
Target Compounds						
5) Pentachlorophenol	7.083	266	71991	73.776	ppm	98
6) DFTPP	7.366	198	104133	50.122	ppm #	59
8) Benzidine	8.210	184	546995	40.884	ppm	100
9) 4,4'-DDE	7.372	246	1779	N.D.		
10) 4,4'-DDD	8.600	235	11571	2.181	ppm	88
11) 4,4'-DDT	8.835	235	235801	44.444	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

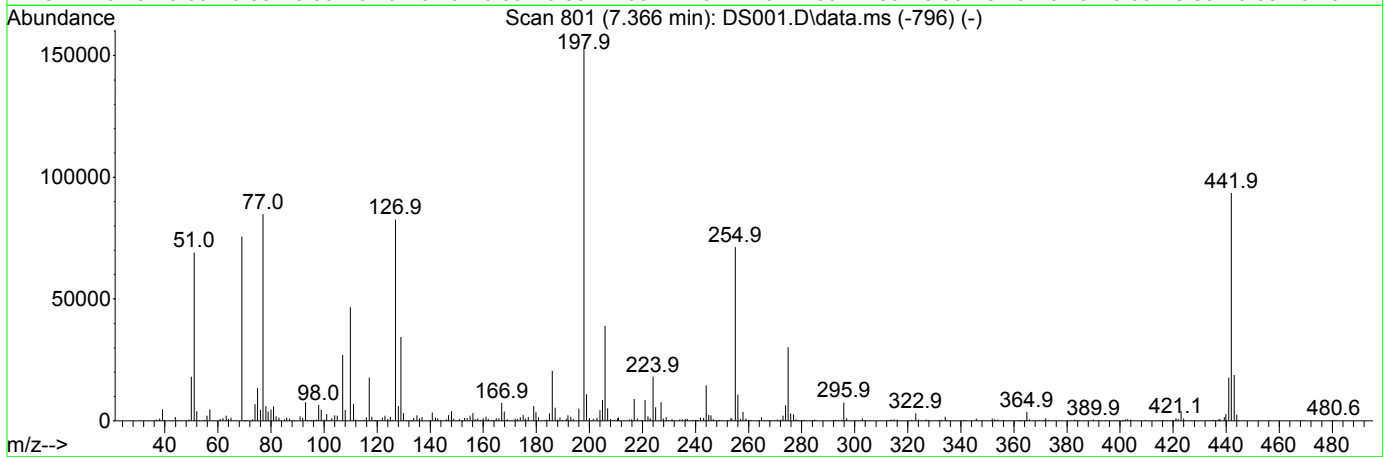
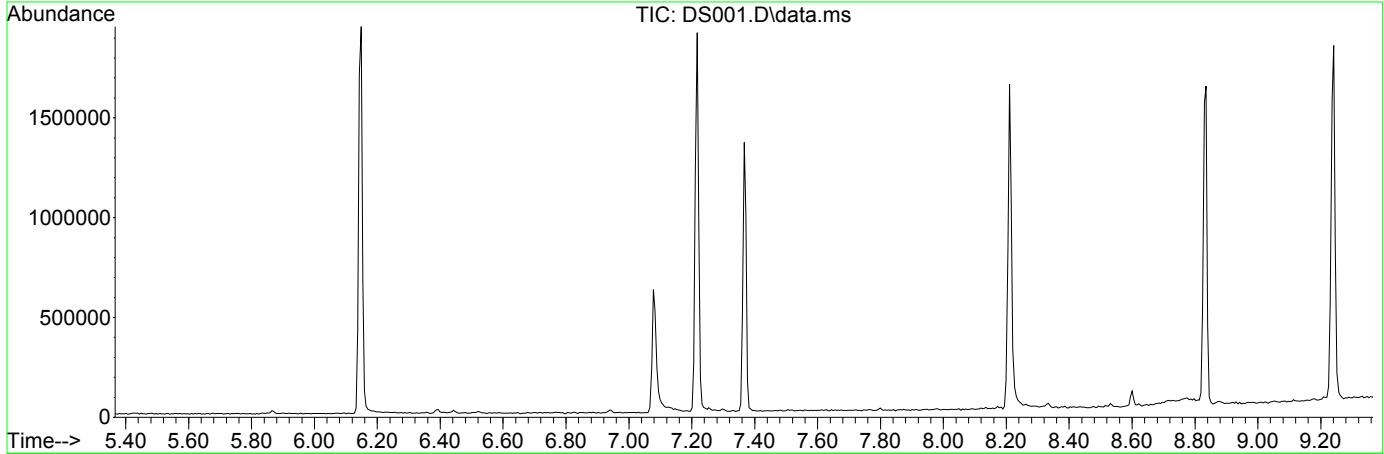
Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



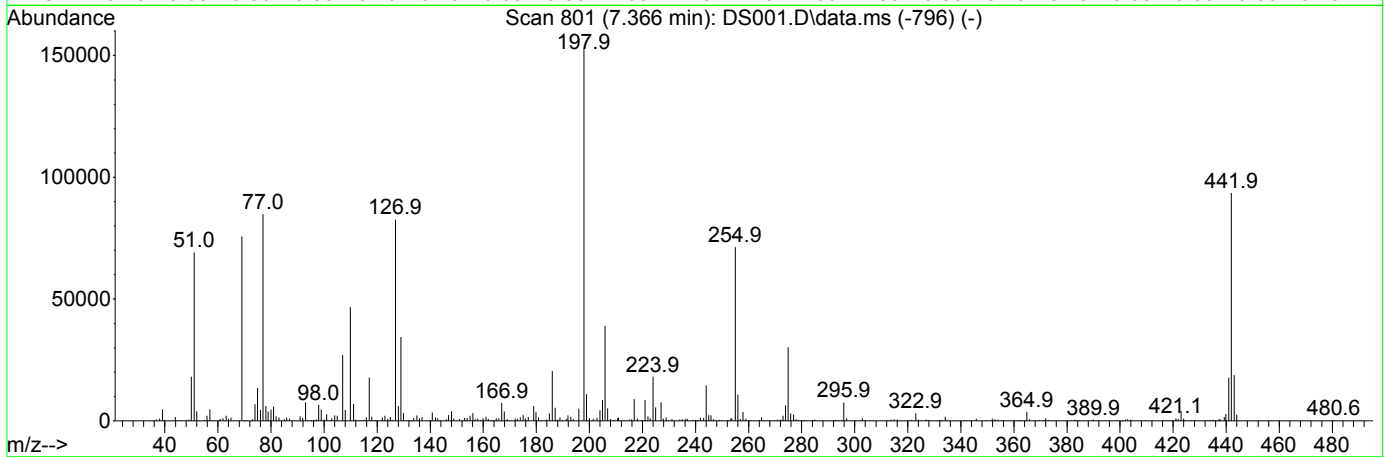
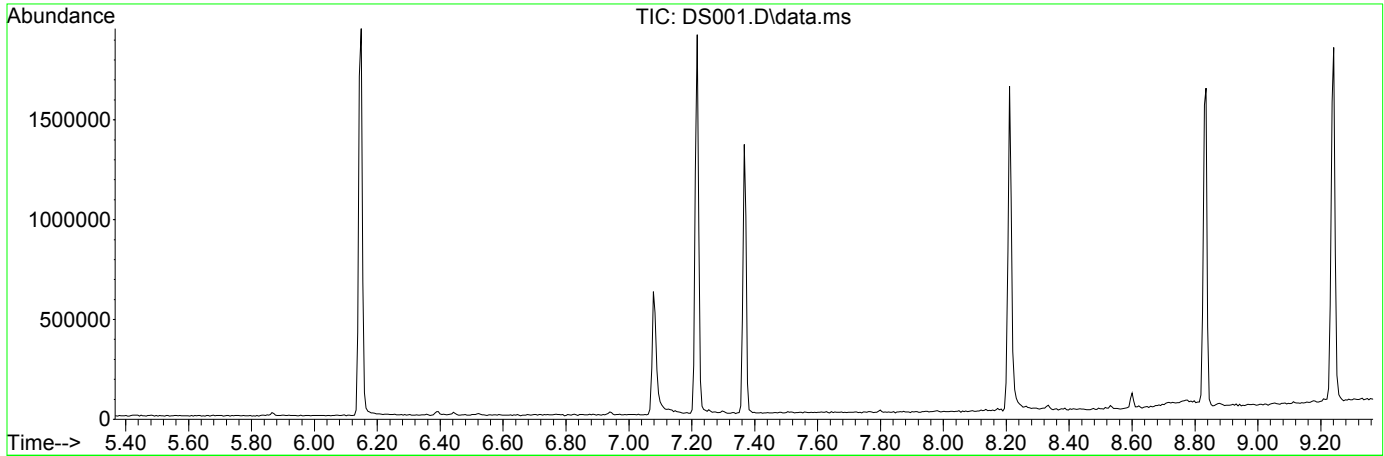
Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	40	60	54.1	82654	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	30	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	443	0.01	100	93.9	17704	PASS
442	198	50	500	61.3	93616	PASS
443	442	17	23	20.1	18856	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019



Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	10	80	54.1	82654	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	60	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	442	0.01	24	18.9	17704	PASS
442	442	100	100	100.0	93616	PASS
443	442	15	24	20.1	18856	PASS

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	78646	40.00	ppm	0.00	
33) d8-Naphthalene	5.681	136	306251	40.00	ppm	0.00	
57) d10-Acenaphthene	7.382	164	172957	40.00	ppm	0.00	
91) d10-Phenanthrene	8.842	188	307915	40.00	ppm	0.00	
117) d12-Chrysene	11.955	240	325499	40.00	ppm	0.00	
135) d12-Perylene	14.747	264	342909	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	220388	79.66	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	39.83%	
12) SURR2,PHENOL-D6	4.200	99	266985	77.76	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	38.88%	
34) SURR4,NITROBENZENE-D5	5.018	82	239539	75.92	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	75.92%	
63) SURR5,2-FLUOROBIPHENYL	6.724	172	526498	77.66	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	77.66%	
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	100663	80.32	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	40.16%	
124) SURR6,TERPHENYL-D14	10.479	244	634597	77.85	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	77.85%	
Target Compounds							
							Qvalue
2) Pyridine	2.370	79	221565	82.157	ppm		97
3) N-Nitrosodimethylamine	2.344	74	119416	75.212	ppm		89
4) 2-Picoline	2.964	93	228612	84.397	ppm		99
5) N-Nitrosomethylamine	3.055	42	100219	74.890	ppm		98
6) Methyl Methansulfonate	3.301	80	101316	81.035	ppm		98
8) N-Nitrosodiethylamine	3.611	102	96320	77.698	ppm		97
9) Ethyl Mathanesulfonate	3.863	79	177732	77.192	ppm		97
10) Benzaldehyde	4.146	106	128667	77.707	ppm		93
11) Aniline	4.237	93	370735	80.704	ppm		92
13) Phenol	4.210	94	285039	77.733	ppm		73
14) bis(2-Clethyl)Ether	4.285	93	196318	82.291	ppm		98
15) Pentachloroethane	4.275	117	83007	71.830	ppm		88
16) 2-Chlorophenol	4.339	128	240803	79.898	ppm		97
17) 1,3-Diclbzene	4.467	146	260068	77.946	ppm		99
18) 1,4-Dichlorobenzene	4.531	146	260431	76.739	ppm		98
19) 1,2-Diclbzene	4.665	146	249192	76.167	ppm		98
20) Benzyl Alcohol	4.638	79	180678	80.615	ppm		96
21) 1-Methyl-2-pyrrolidinone	4.676	99	155241	83.453	ppm		89
22) 2,2'-oxybis(1-Chloropr...	4.751	45	247463	100.066	ppm		88
23) 2-Methylphenol	4.756	108	206400	78.917	ppm		96
24) 3+4-Methylphenol	4.890	108	243118	80.305	ppm		86
25) Acetophenone	4.879	105	314189	79.015	ppm		83
26) N-Nitroso-Di-n-propyla...	4.879	70	171452	82.333	ppm		97
27) N-Nitrosopyrrolidine	4.874	100	126231	85.899	ppm		96
28) N-Nitrosomorpholine	4.906	56	122244	79.032	ppm		98
29) o-Toluidine	4.911	106	342813	80.004	ppm		72
30) Hexachloroethane	4.965	117	107492	79.059	ppm		95
31) o,o,o-Triethylphosphor...	5.419	198	122735	83.646	ppm		93
32) Alpha-terpinol	5.708	121	91242	87.292	ppm		92
35) Nitrobenzene	5.039	77	236188	73.533	ppm		89
36) N-Nitrosopiperidine	5.179	42	149964	82.202	ppm		98
37) Isophorone	5.253	82	356169	65.542	ppm		99
38) 2-Nitrophenol	5.328	139	127427	75.250	ppm		96

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.473	105	142726	76.641	ppm	94
40) 2,4-Dimethylphenol	5.371	107	239858	77.867	ppm	90
41) bis(-2-Chloroethoxy)Me...	5.451	93	253682	78.312	ppm	99
42) 2,4-Dichlorophenol	5.558	162	205974	79.558	ppm	99
43) a,a-Dimethylphenethyla...	5.981	58	229493m	38.989	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	213488	73.315	ppm	98
45) Naphthalene	5.703	128	703713	77.410	ppm	99
46) 4-Chloroaniline	5.762	127	284588	77.105	ppm	99
47) 2,6-Dichlorophenol	5.767	162	201611	73.567	ppm	94
48) Hexachlorobutadiene	5.810	225	137740	76.599	ppm	92
49) Hexachloropropene	5.778	213	168510	71.495	ppm	99
50) 4-Chloro-3-methylphenol	6.238	107	193104	77.665	ppm	100
51) N-N-di-n-butylamine	6.077	84	159127	71.313	ppm	96
52) Caprolactam	6.115	113	69316	80.922	ppm	95
53) p-Phenylenediamine	6.120	80	57900	116.936	ppm	96
54) Safrole	6.280	162	181078	76.237	ppm	97
55) 2-Methylnaphthalene	6.366	142	437709	70.527	ppm	98
56) 1-Methylnaphthalene	6.462	142	448059	76.604	ppm	98
58) Hexachlorocyclopentadiene	6.510	237	140820	78.274	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.526	216	225189	73.594	ppm	98
60) 1,2,3,4-Tetrachloroben...	6.805	216	244094	76.453	ppm	99
61) 2,4,6-Trichlorophenol	6.644	196	152420	83.503	ppm	98
62) 2,4,5-Trichlorophenol	6.692	196	144483	72.230	ppm	96
64) Isosafrole	6.788	104	93556	78.514	ppm	96
65) 1,1'-Biphenyl	6.821	154	617708	79.381	ppm	99
66) 2-Chloronaphthalene	6.842	162	433729	76.016	ppm	97
67) 2-Nitroaniline	6.954	65	130300	85.820	ppm	97
68) 1,4-Naphthoquinone	7.024	158	121579	71.362	ppm	94
69) m-Dinitrobenzene	7.168	168	77526	75.441	ppm	89
70) Acenaphthylene	7.243	152	722920	78.660	ppm	99
71) Dimethyl phthalate	7.125	163	493389	71.412	ppm	99
72) 2,6-Dinitrotoluene	7.190	165	112215	75.485	ppm	95
73) Acenaphthene	7.414	153	465998	72.537	ppm	99
74) 3-Nitroaniline	7.361	138	142466	87.027	ppm	96
75) 2,4-Dinitrophenol	7.468	184	67263	79.893	ppm	83
76) Dibenzofuran	7.585	168	639834	76.308	ppm	100
77) 2,4-Dinitrotoluene	7.585	165	157003	74.768	ppm	99
78) 4-Nitrophenol	7.553	65	81188	76.291	ppm	# 78
79) Pentachlorobenzene	7.537	250	216546	73.312	ppm	99
80) 1-Naphthylamine	7.671	143	336347	83.057	ppm	95
81) 2-Naphthylamine	7.746	143	355625	70.724	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.708	232	124278	73.953	ppm	94
83) Fluorene	7.922	166	499097	73.459	ppm	99
84) 4-Chlorophenyl-phenyle...	7.922	204	240231	78.481	ppm	97
85) Diethylphthalate	7.815	149	517021	71.136	ppm	100
86) 4-Nitroaniline	7.965	138	145636	83.738	ppm	97
87) 5-Nitro-o-toluidine	7.949	152	156489	79.708	ppm	90
89) Sulfotepp	8.195	322	84673	81.158	ppm	96
90) Octachlorocyclopentene	8.158	307	109646	79.483	ppm	95
92) Thionazin	7.896	107	82018	78.355	ppm	96
93) 4,6-Dinitro-2-methylph...	7.987	198	98911	78.189	ppm	97
94) Diphenylamine	8.045	169	814927	157.250	ppm	99
95) 1,2 Diphenylhydrazine	8.078	77	515490	77.799	ppm	99
96) N-Nitrosodiphenylamine	8.045	169	814927	157.237	ppm	99
97) 1,3,5-Trinitrobenzene	8.350	213	49331	79.435	ppm	99
98) Diallate	8.318	86	185137	77.084	ppm	92

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

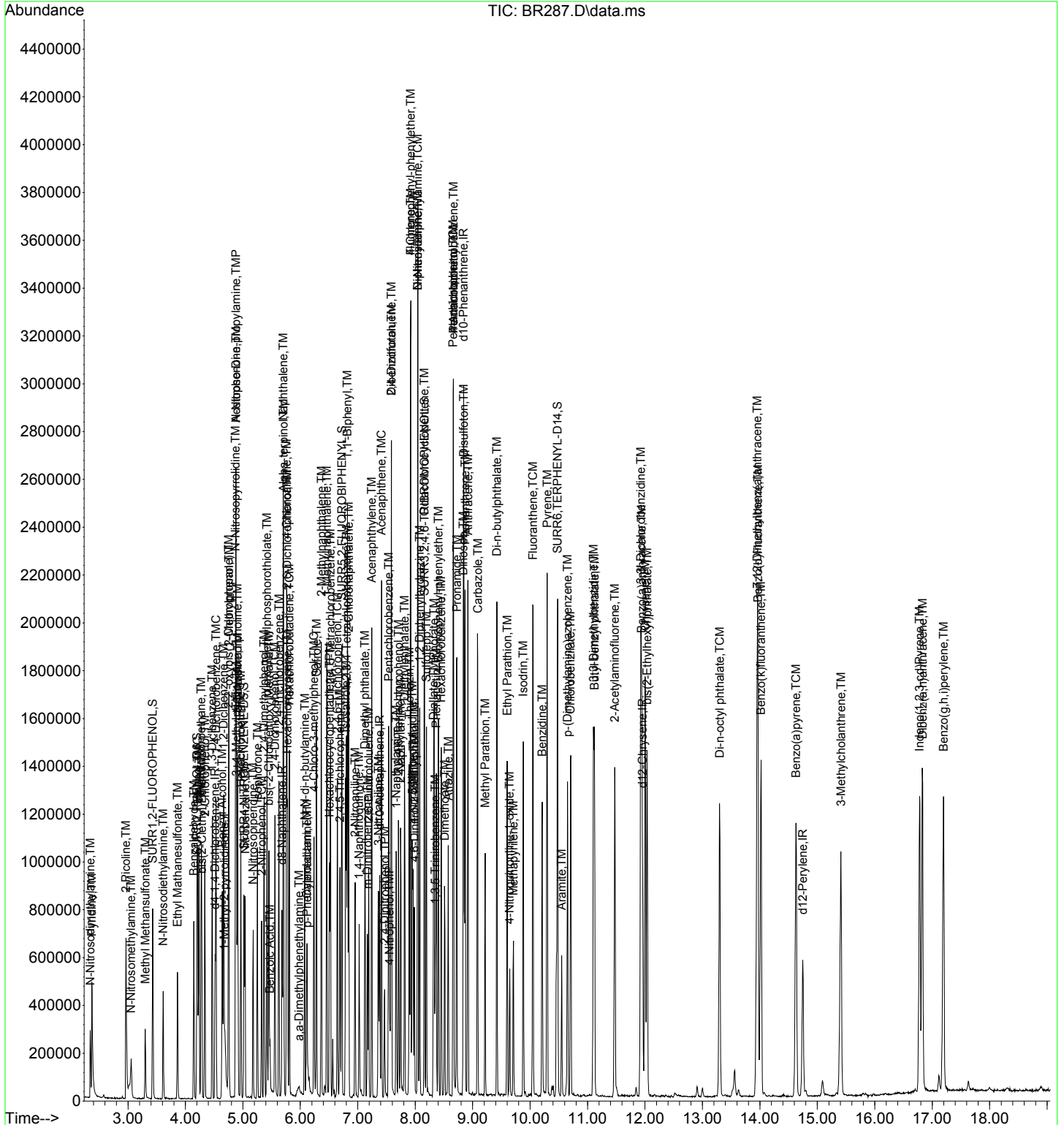
Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.329	121	102704	83.194	ppm	98
100) Phenacetin	8.366	108	276585	85.131	ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	153657	79.755	ppm	98
102) Hexachlorobenzene	8.452	284	181430	74.041	ppm	92
103) Dimethoate	8.511	87	148530	73.828	ppm	95
104) Atrazine	8.575	215	55245	95.870	ppm	96
105) Pentachlorophenol	8.661	266	114968	85.805	ppm	95
106) 4-Aminobiphenyl	8.666	169	393575	78.000	ppm	97
107) Pentachloronitrobenzene	8.666	237	78782	75.553	ppm	93
108) Pronamide	8.725	173	286743	84.713	ppm	98
109) Dinoseb	8.837	211	136552	76.339	ppm	98
110) Disulfoton	8.848	88	265639	82.251	ppm	97
111) Phenanthrene	8.869	178	731251	73.261	ppm	99
112) Anthracene	8.917	178	728907	74.378	ppm	98
113) Carbazole	9.088	167	741881	79.863	ppm	97
114) Di-n-butylphthalate	9.420	149	950213	73.726	ppm	99
115) 4-Nitroquinonline-1-oxide	9.645	190	53058	76.878	ppm	95
116) Fluoranthene	10.051	202	844712	77.101	ppm	99
118) Methyl Parathion	9.217	109	141608	75.598	ppm	98
119) Ethyl Parathion	9.602	97	135936	85.291	ppm	99
120) Methapyrilene	9.709	58	146808	112.023	ppm	94
121) Isodrin	9.880	193	86962	78.192	ppm	94
122) Benzidine	10.212	184	485758	86.550	ppm	98
123) Pyrene	10.297	202	885536	77.490	ppm	99
125) Aramite	10.549	185	97847m	82.486	ppm	
126) p-(Dimethylamino)azobe...	10.650	120	234470	83.452	ppm	91
127) Chlorobenzilate	10.704	139	302576	84.824	ppm	96
128) Butyl benzyl phthalate	11.121	149	441295	76.968	ppm	98
129) 3,3-Dimethylbenzidine	11.105	212	515545	84.052	ppm	99
130) 2-Acetylaminofluorene	11.474	181	392607	87.101	ppm	97
131) 3,3'-Dichlorobenzidine	11.929	252	355026	81.658	ppm	99
132) Benzo(a)anthracene	11.939	228	824432	76.111	ppm	99
133) Chrysene	12.003	228	792691	77.049	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.035	149	608967	73.575	ppm	98
136) Di-n-octyl phthalate	13.298	149	1029290	74.422	ppm	100
137) 7,12-Dimethylbenz(a)an...	13.956	256	423790	81.851	ppm	100
138) Benzo(b)Fluoranthene	13.966	252	907462	76.402	ppm	96
139) Benzo(k)fluoranthene	14.020	252	851088	76.766	ppm	97
140) Benzo(a)pyrene	14.630	252	783027	79.122	ppm	97
141) 3-Methylcholanthrene	15.410	268	447952	77.573	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.780	276	781415	77.174	ppm	99
143) Dibenz(a,h)anthracene	16.833	278	809752	75.076	ppm	98
144) Benzo(g,h,i)perylene	17.197	276	801412	89.999	ppm	96

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

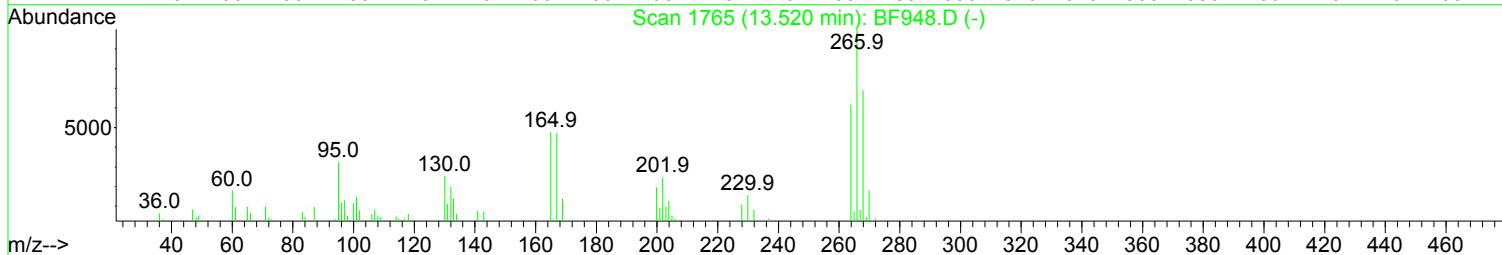
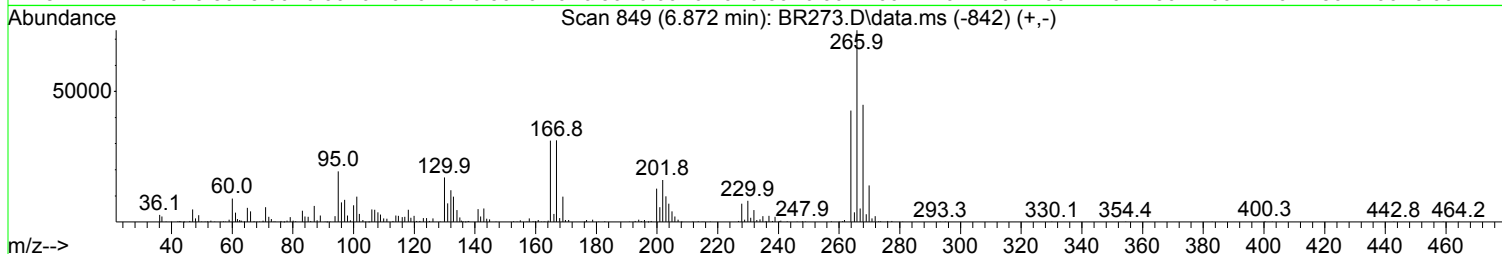
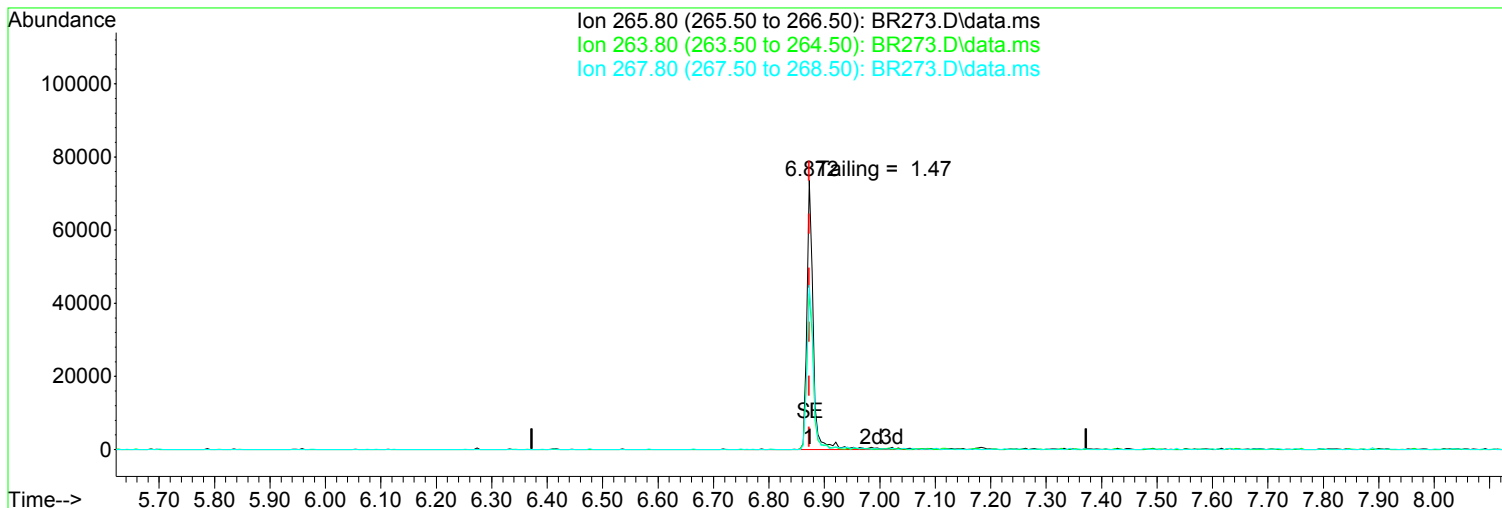
Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



TIC: BR273.D\data.ms

(5) Pentachlorophenol (TCM)

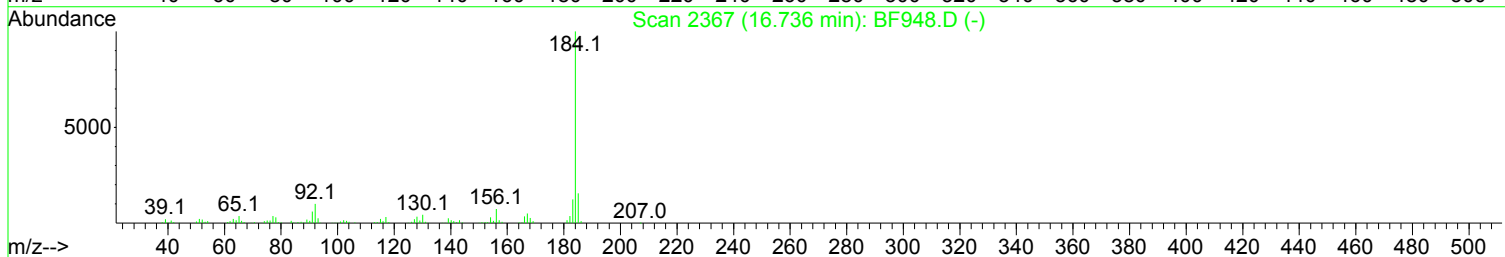
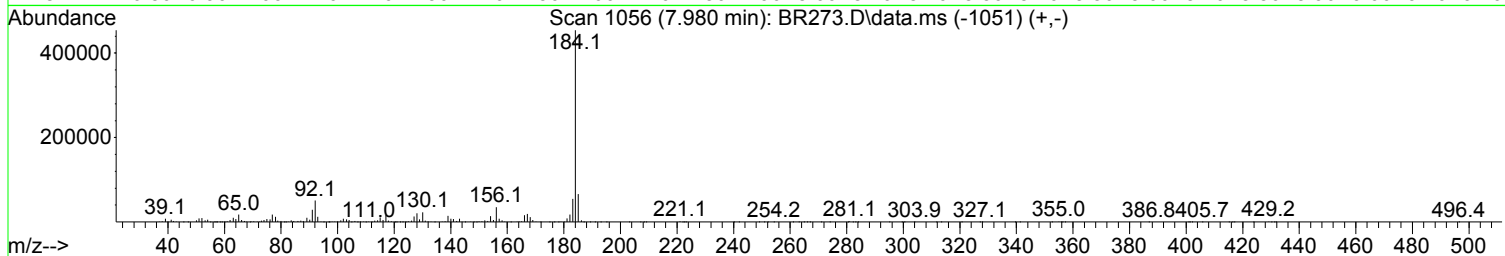
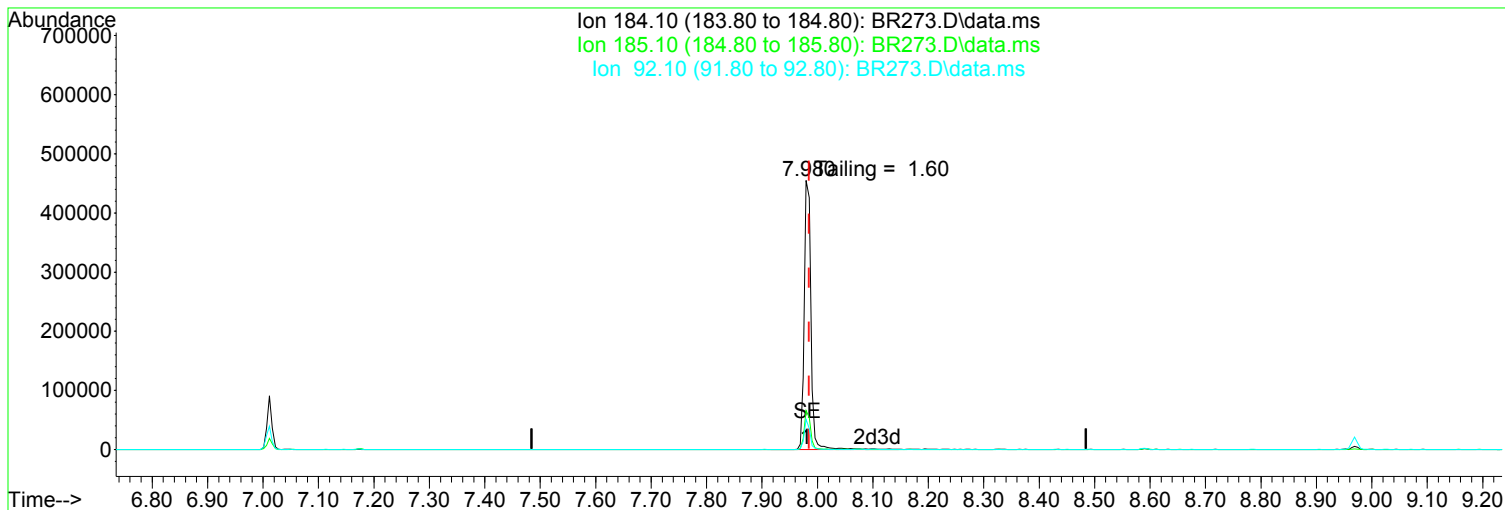
6.872min (+ 0.000) 51.36 ppm

response	57506
Ion	Exp% Act%
265.80	100.00 100.00
263.80	63.50 57.87
267.80	64.20 61.11
0.00	0.00 0.00

Manual Integration:
After
Other - Tailing
04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



TIC: BR273.D\data.ms

(8) Benzidine (T)

Manual Integration:

7.980min (-0.005) 49.17 ppm

After

response 372856

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.50
92.10	10.10	11.18
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR273.D
 Acq On : 14 Mar 2019 8:32 am
 Operator : J.Misiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 09:05:57 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Fri Feb 01 11:56:36 2019
 Response via : Initial Calibration

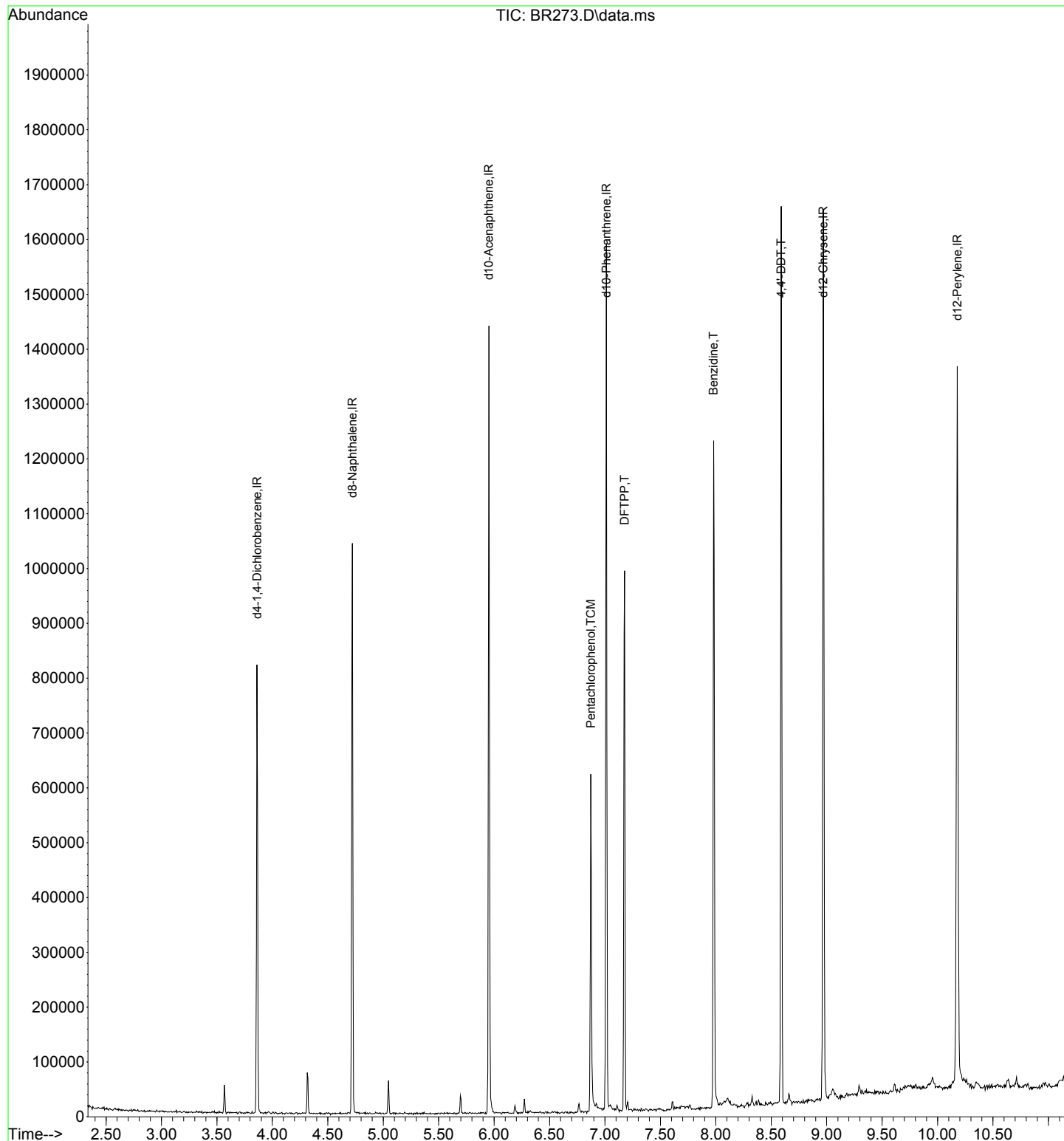
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) d4-1,4-Dichlorobenzene	3.861	152	94182	40.00	ppm	0.00
2) d8-Naphthalene	4.722	136	359399	40.00	ppm	0.00
3) d10-Acenaphthene	5.952	164	213122	40.00	ppm	0.00
4) d10-Phenanthrene	7.011	188	393025	40.00	ppm	0.00
7) d12-Chrysene	8.969	240	427693	40.00	ppm	0.00
12) d12-Perylene	10.178	264	466422	40.00	ppm	0.00
Target Compounds						Qvalue
5) Pentachlorophenol	6.872	266	57506	51.361	ppm	94
6) DFTPP	7.177	198	66741	49.691	ppm	84
8) Benzidine	7.980	184	372856	49.166	ppm	98
9) 4,4'-DDE	7.177	246	2496	N.D.		
10) 4,4'-DDD	0.000		0	N.D.	d	
11) 4,4'-DDT	8.589	235	204445	49.857	ppm	94

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

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR273.D
Acq On : 14 Mar 2019 8:32 am
Operator : J.Misiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

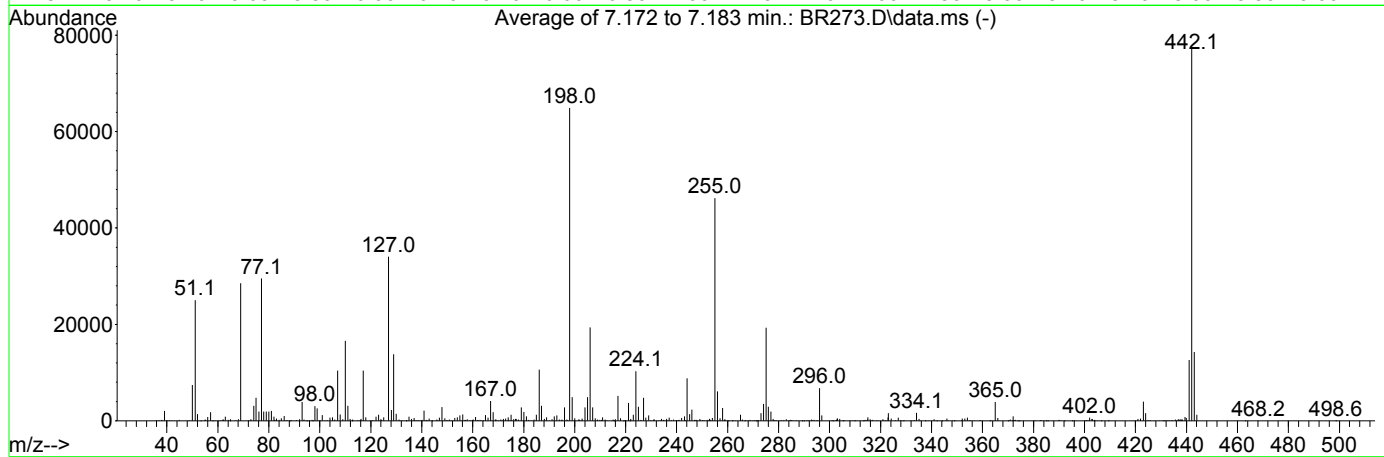
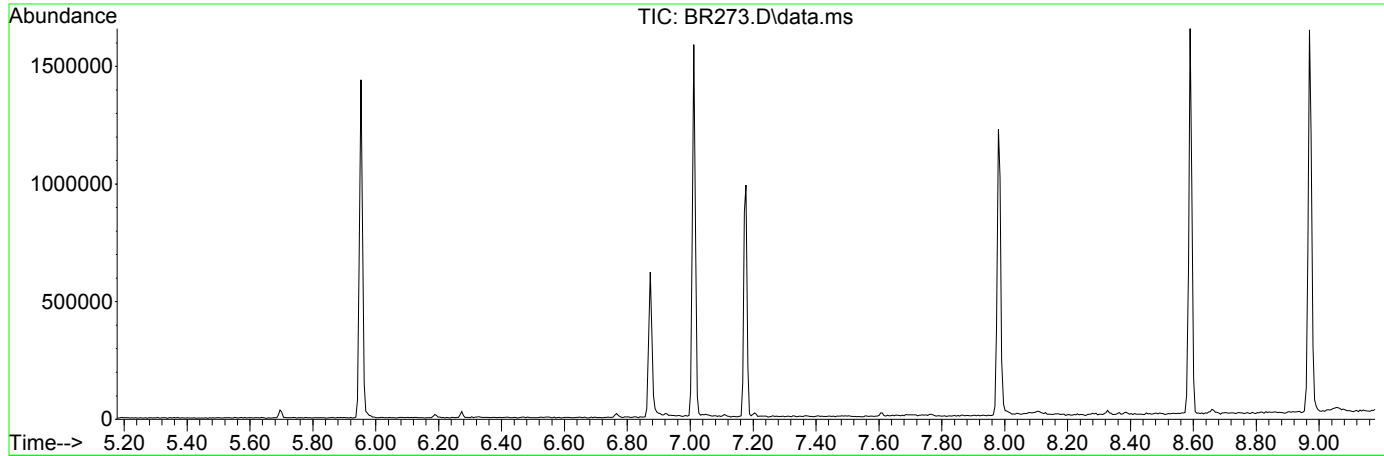
Quant Time: Mar 14 09:05:57 2019
Quant Method : I:\ACQUDATA\5973D\Methods\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Fri Feb 01 11:56:36 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR273.D
 Acq On : 14 Mar 2019 8:32 am
 Operator : J.Misiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Sep 19 10:00:53 2018



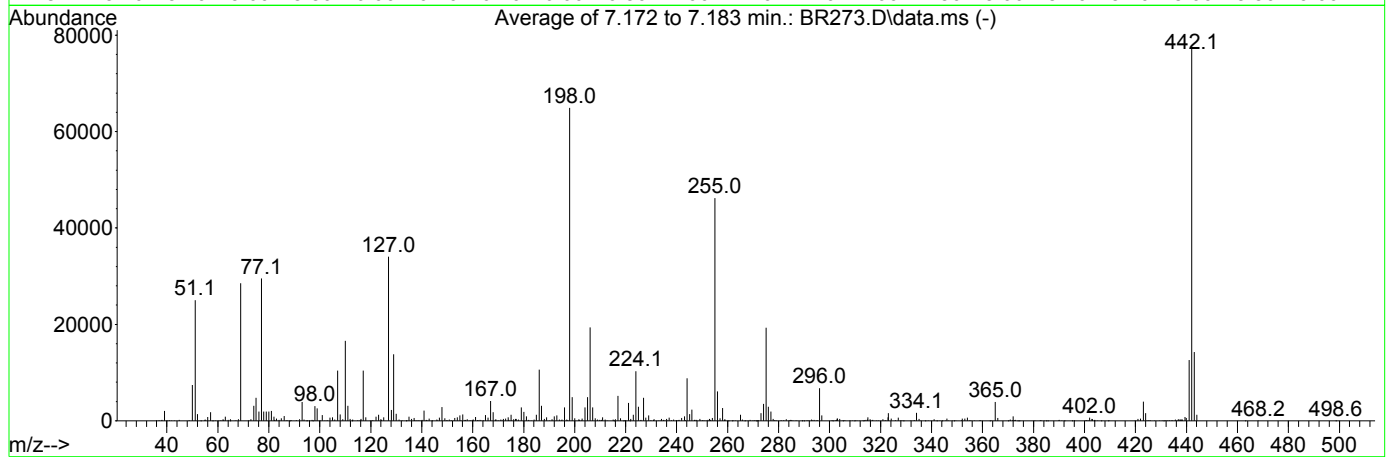
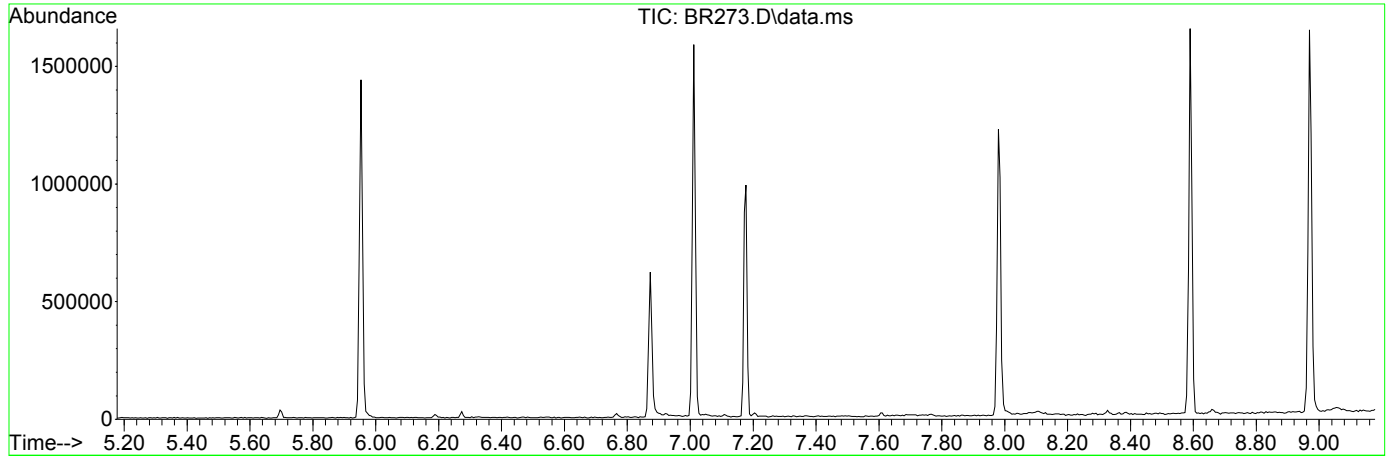
AutoFind: Scans 905, 906, 907; Background Corrected with Scan 900

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.5	24993	PASS
68	69	0.00	2	1.2	330	PASS
69	198	0.00	100	44.0	28555	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.4	34029	PASS
197	198	0.00	1	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	30	29.8	19341	PASS
365	198	1	500	6.0	3917	PASS
441	443	0.01	100	88.4	12645	PASS
442	198	50	500	118.8	77181	PASS
443	442	17	23	18.5	14302	PASS

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR273.D
 Acq On : 14 Mar 2019 8:32 am
 Operator : J.Misiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973D\Methods\TUNED.M
 Title : TUNE CHECK
 Last Update : Fri Feb 01 11:56:36 2019



AutoFind: Scans 905, 906, 907; Background Corrected with Scan 900

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.5	24993	PASS
68	69	0.00	2	1.2	330	PASS
69	198	0.00	100	44.0	28555	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	52.4	34029	PASS
197	198	0.00	2	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	60	29.8	19341	PASS
365	198	1	500	6.0	3917	PASS
441	442	0.01	24	16.4	12645	PASS
442	442	100	100	100.0	77181	PASS
443	442	15	24	18.5	14302	PASS

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR278.D
 Acq On : 14 Mar 2019 1:45 pm
 Operator : J.Misiurewicz
 Sample : BLK
 Misc : Initial Calibration 8270D/625
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 12:01:35 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

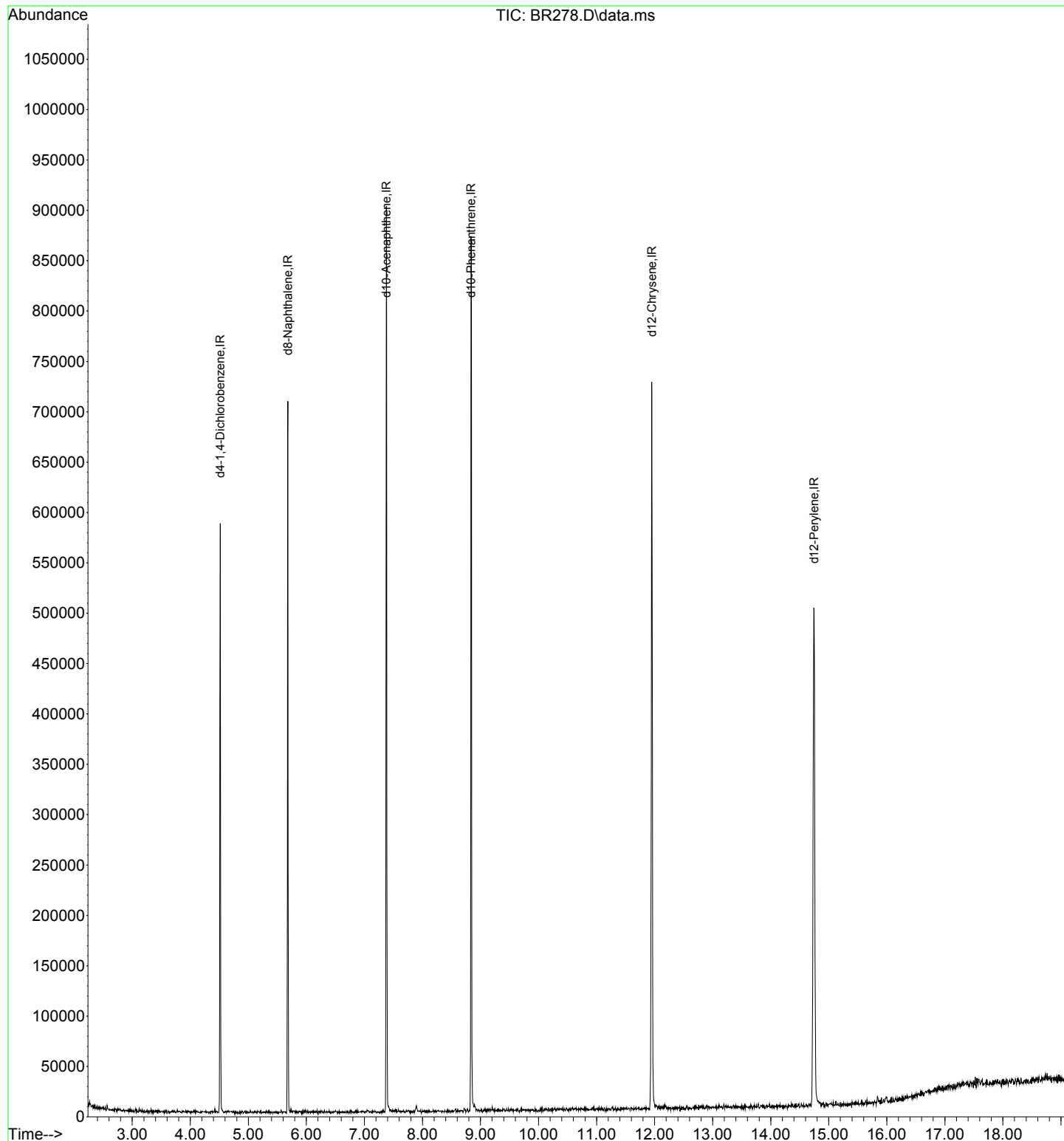
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	83374	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	292288	40.00	ppm	0.00
57) d10-Acenaphthene	7.377	164	169686	40.00	ppm	0.00
91) d10-Phenanthrene	8.837	188	297824	40.00	ppm	0.00
117) d12-Chrysene	11.950	240	319278	40.00	ppm	0.00
135) d12-Perylene	14.747	264	344611	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	0.00%#
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	0.00%#
34) SURR4,NITROBENZENE-D5	0.000	82	0	0.00	ppm	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	0.00%#
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	0.00%#
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	0.00%#
124) SURR6,TERPHENYL-D14	10.469	244	105	0.01	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	0.01%#

Target Compounds Qvalue

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

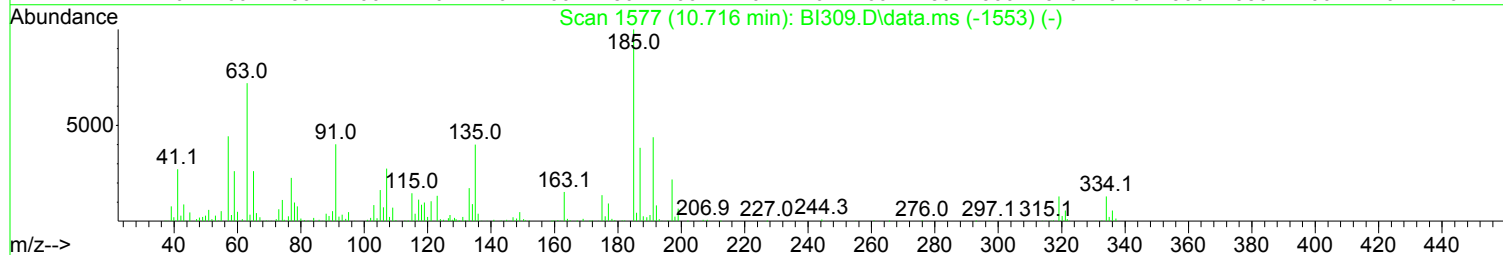
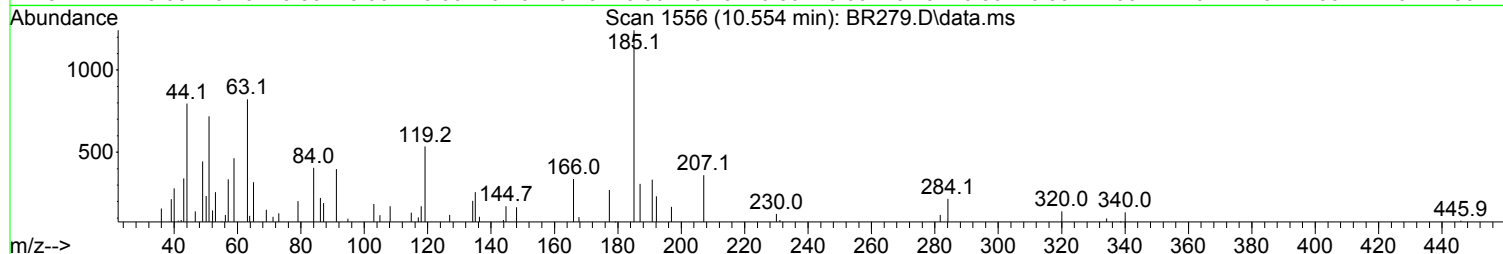
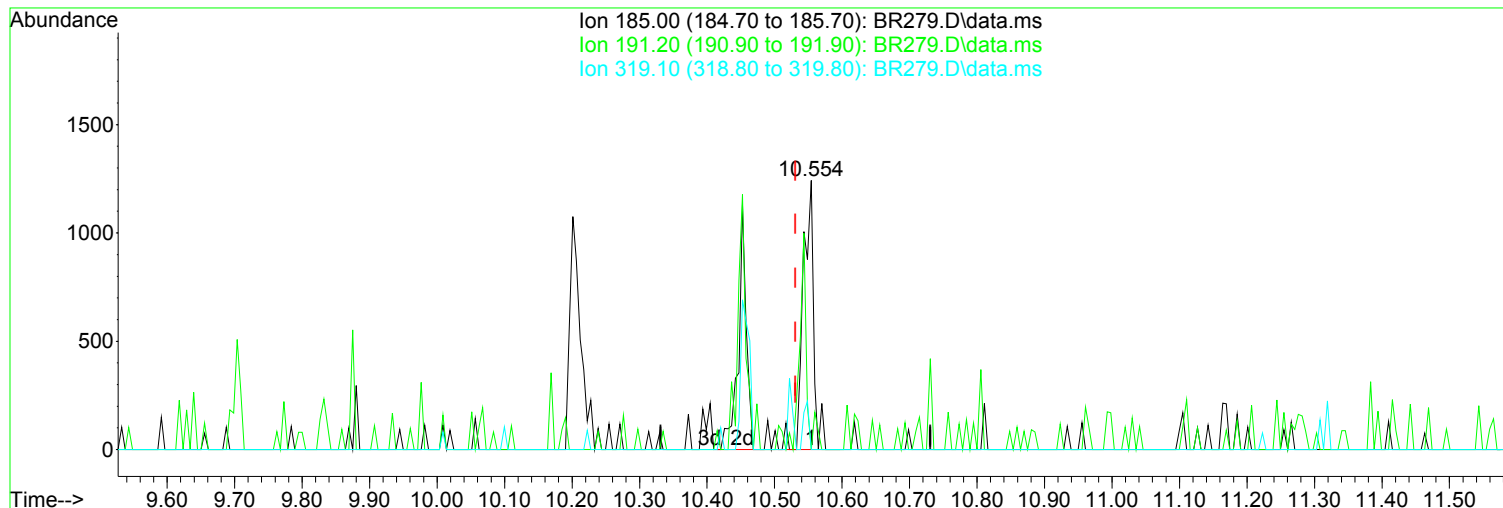
Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR278.D
Acq On : 14 Mar 2019 1:45 pm
Operator : J.Misiurewicz
Sample : BLK
Misc : Initial Calibration 8270D/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 12:01:35 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR279.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.554min (+ 0.023) 1.93 ppm m

After

response 2353

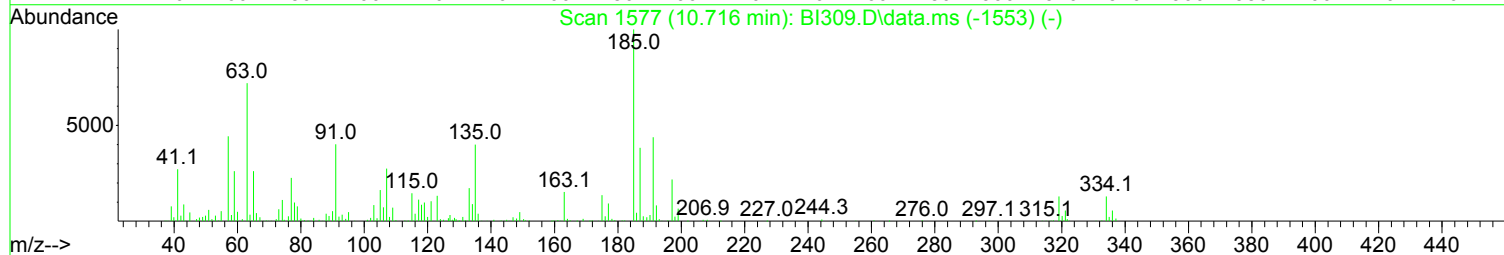
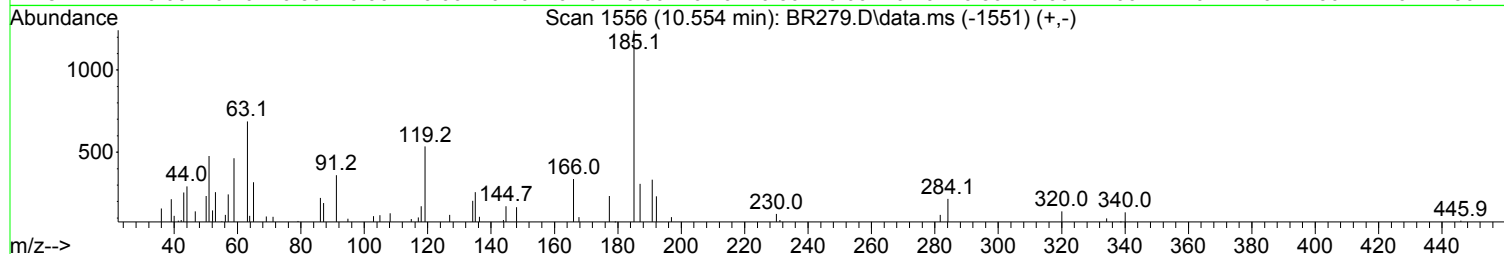
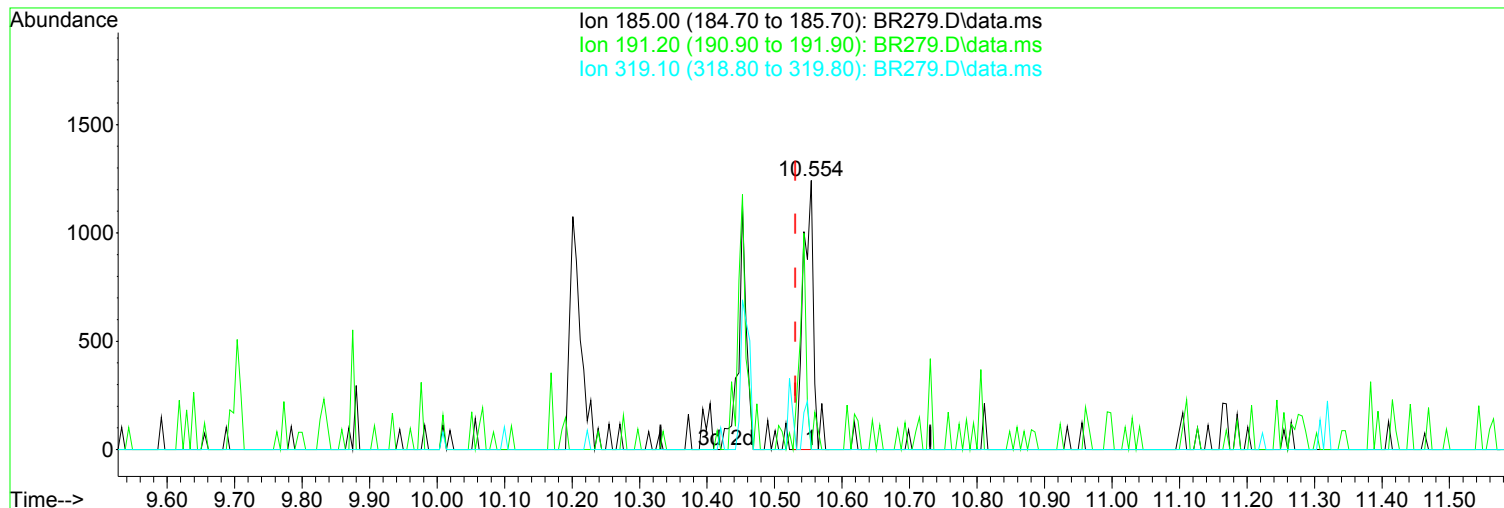
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	0.00#
319.10	17.60	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR279.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.554min (+ 0.023) 1.07 ppm

Before

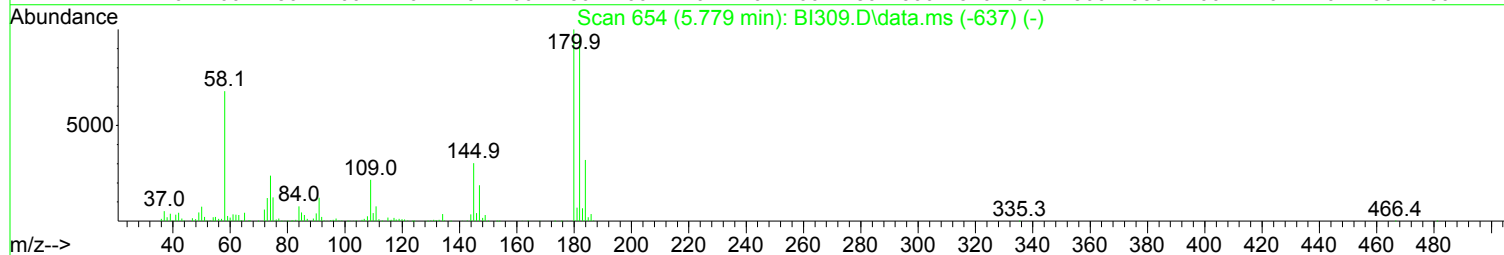
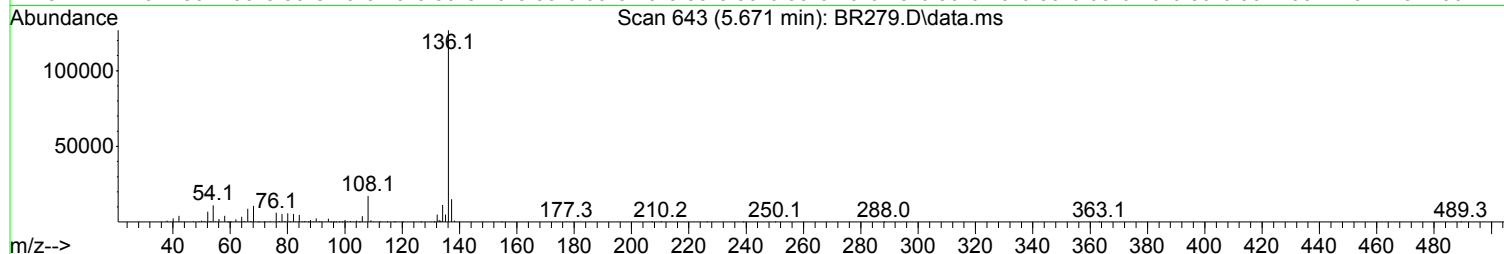
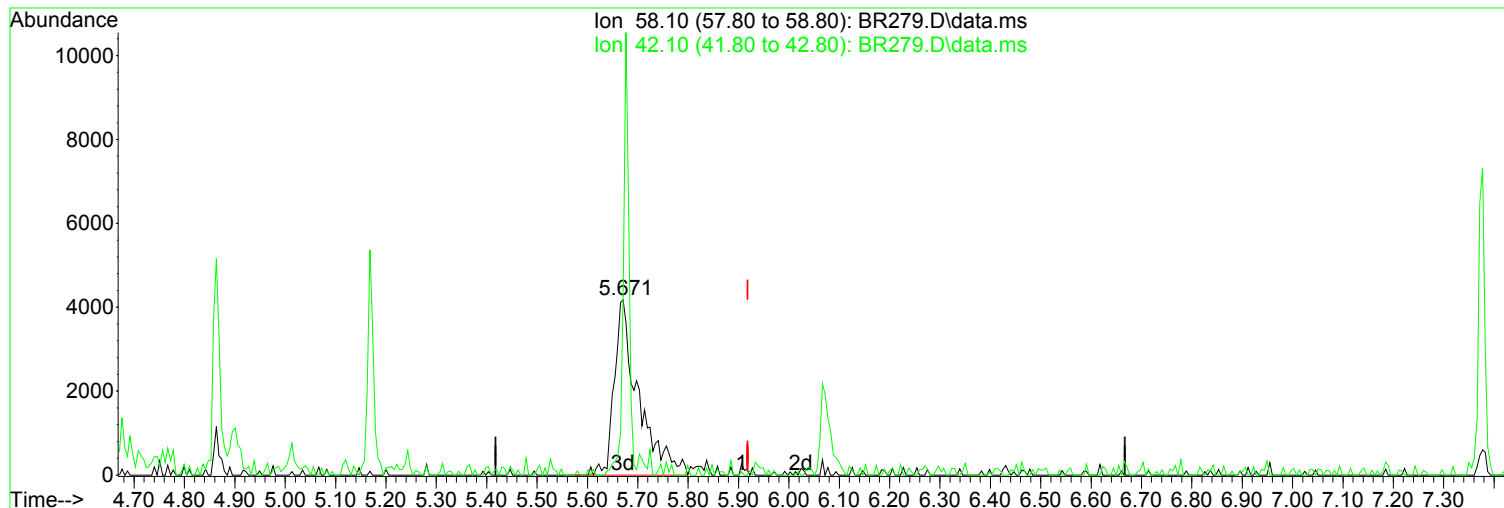
response 1297

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	0.00#
319.10	17.60	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.671min (-0.247) 2.37 ppm m

After

response 13930

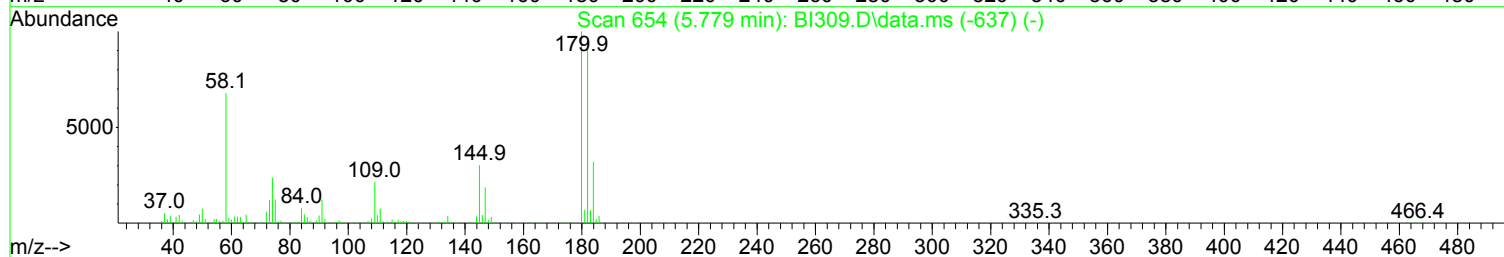
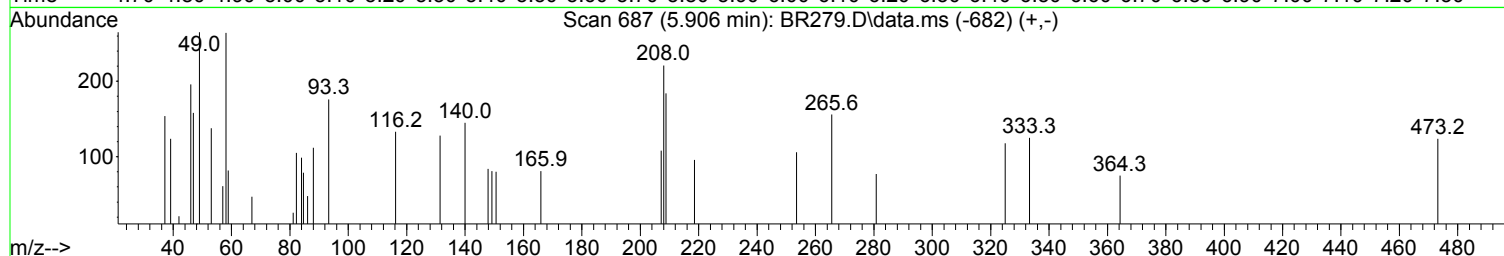
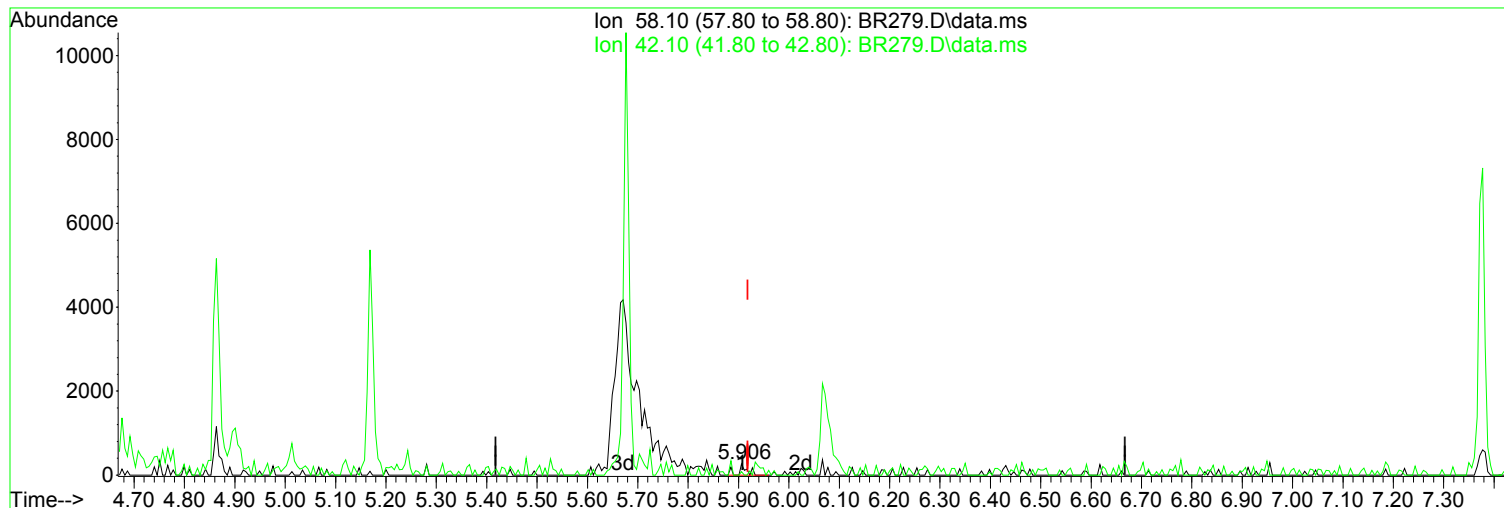
Peak not found.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	100.57#
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR279.D
 Acq On : 14 Mar 2019 2:14 pm
 Operator : J.Misiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration



TIC: BR279.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.906min (-0.012) 0.05 ppm

Before

response 282

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	6.21
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	80747	40.00	ppm	0.00
33) d8-Naphthalene	5.676	136	303273	40.00	ppm	0.00
57) d10-Acenaphthene	7.377	164	173563	40.00	ppm	0.00
91) d10-Phenanthrene	8.837	188	317587	40.00	ppm	0.00
117) d12-Chrysene	11.950	240	333368	40.00	ppm	0.00
135) d12-Perylene	14.742	264	350071	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	6568	2.31	ppm	0.00
Spiked Amount	200.000	Range	10 - 70	Recovery	=	1.16%#
12) SURR2,PHENOL-D6	4.195	99	7634	2.17	ppm	0.00
Spiked Amount	200.000	Range	10 - 107	Recovery	=	1.09%#
34) SURR4,NITROBENZENE-D5	5.013	82	7688	2.46	ppm	0.00
Spiked Amount	100.000	Range	31 - 110	Recovery	=	2.46%#
63) SURR5,2-FLUOROBIPHENYL	6.719	172	15183	2.23	ppm	0.00
Spiked Amount	100.000	Range	31 - 118	Recovery	=	2.23%#
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	2582	2.05	ppm	0.00
Spiked Amount	200.000	Range	35 - 141	Recovery	=	1.02%#
124) SURR6,TERPHENYL-D14	10.474	244	19713	2.36	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	2.36%#

Target Compounds						Qvalue
2) Pyridine	2.440	79	5156	1.923	ppm	64
3) N-Nitrosodimethylamine	2.381	74	3864	2.370	ppm	72
4) 2-Picoline	3.002	93	5829	2.096	ppm	75
5) N-Nitrosomethylamine	3.071	42	3803	2.768	ppm #	49
6) Methyl Methansulfonate	3.307	80	2871	2.237	ppm	73
8) N-Nitrosodiethylamine	3.617	102	2726	2.142	ppm	64
9) Ethyl Mathanesulfonate	3.863	79	5442	2.302	ppm	91
10) Benzaldehyde	4.146	106	8254	4.855	ppm	89
11) Aniline	4.232	93	10104	2.142	ppm	88
13) Phenol	4.211	94	7360	2.010	ppm	78
14) bis(2-Clethyl)Ether	4.280	93	5075	2.072	ppm #	70
15) Pentachloroethane	4.275	117	3074	2.591	ppm	88
16) 2-Chlorophenol	4.339	128	6976	2.254	ppm #	72
17) 1,3-Diclbzene	4.462	146	7691	2.245	ppm	89
18) 1,4-Dichlorobenzene	4.532	146	7930	2.276	ppm	91
19) 1,2-Diclbzene	4.660	146	8016	2.386	ppm	92
20) Benzyl Alcohol	4.639	79	3698	1.607	ppm	90
21) 1-Methyl-2-pyrrolidinone	4.676	99	4382	2.294	ppm #	84
22) 2,2'-oxybis(1-Chloropr...	4.751	45	6069	2.390	ppm #	61
23) 2-Methylphenol	4.735	108	5652	2.105	ppm	83
24) 3+4-Methylphenol	4.879	108	6805	2.189	ppm	87
25) Acetophenone	4.874	105	9552	2.340	ppm	89
26) N-Nitroso-Di-n-propyla...	4.863	70	5045	2.360	ppm	99
27) N-Nitrosopyrrolidine	4.863	100	3492	2.314	ppm #	72
28) N-Nitrosomorpholine	4.895	56	3696	2.327	ppm	85
29) o-Toluidine	4.901	106	9751	2.216	ppm	94
30) Hexachloroethane	4.965	117	2953	2.115	ppm	94
31) o,o,Triethylphosphor...	5.414	198	3360	2.230	ppm	61
32) Alpha-terpinol	5.703	121	2420	2.256	ppm	97
35) Nitrobenzene	5.034	77	7060	2.220	ppm	96
36) N-Nitrosopiperidine	5.168	42	4219	2.335	ppm	79
37) Isophorone	5.243	82	11249	2.090	ppm	92
38) 2-Nitrophenol	5.323	139	3355	2.001	ppm	78

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR279.D
 Acq On : 14 Mar 2019 2:14 pm
 Operator : J.Misiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 10:30:39 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2,4-Dimethylphenol	5.361	107	6240	2.046	ppm	86
41) bis(-2-Chloroethoxy)Me...	5.446	93	7430	2.316	ppm	99
42) 2,4-Dichlorophenol	5.558	162	4836	1.886	ppm #	68
43) a,a-Dimethylphenethyla...	5.671	58	13930m	2.368	ppm	
44) 1,2,4-Trichlorobenzene	5.623	180	7281	2.525	ppm	96
45) Naphthalene	5.698	128	20726	2.302	ppm	97
46) 4-Chloroaniline	5.762	127	8992	2.460	ppm	83
47) 2,6-Dichlorophenol	5.762	162	5497	2.026	ppm	87
48) Hexachlorobutadiene	5.805	225	4063	2.282	ppm	95
49) Hexachloropropene	5.778	213	5117	2.192	ppm	86
50) 4-Chloro-3-methylphenol	6.232	107	5227	2.123	ppm	85
51) N-N-di-n-butylamine	6.067	84	6001	2.716	ppm	86
52) Caprolactam	6.083	113	1788	2.108	ppm	86
53) p-Phenylenediamine	6.125	80	895	1.854	ppm #	37
54) Safrole	6.281	162	5716	2.430	ppm	67
55) 2-Methylnaphthalene	6.361	142	14658	2.385	ppm	90
56) 1-Methylnaphthalene	6.457	142	13586	2.346	ppm	96
58) Hexachlorocyclopentadiene	6.505	237	1908	2.488	ppm	76
59) 1,2,4,5-Tetrachloroben...	6.521	216	7545	2.457	ppm	90
60) 1,2,3,4-Tetrachloroben...	6.799	216	7111	2.219	ppm	87
61) 2,4,6-Trichlorophenol	6.644	196	3696	2.018	ppm #	81
62) 2,4,5-Trichlorophenol	6.687	196	4589	2.287	ppm #	73
64) Isosafrole	6.783	104	2127	1.845	ppm	74
65) 1,1'-Biphenyl	6.815	154	20341	2.605	ppm	89
66) 2-Chloronaphthalene	6.837	162	12530	2.188	ppm	96
67) 2-Nitroaniline	6.944	65	3145	2.064	ppm	85
68) 1,4-Naphthoquinone	7.019	158	2933	1.786	ppm	72
69) m-Dinitrobenzene	7.163	168	2071	2.008	ppm #	50
70) Acenaphthylene	7.238	152	21310	2.311	ppm	97
71) Dimethyl phthalate	7.120	163	16116	2.324	ppm	99
72) 2,6-Dinitrotoluene	7.184	165	3138	2.104	ppm	90
73) Acenaphthene	7.409	153	14819	2.299	ppm	98
74) 3-Nitroaniline	7.356	138	3491	2.125	ppm #	66
76) Dibenzofuran	7.580	168	18460	2.194	ppm	92
77) 2,4-Dinitrotoluene	7.580	165	4679	2.220	ppm #	65
79) Pentachlorobenzene	7.537	250	6309	2.128	ppm	93
80) 1-Napthylamine	7.660	143	9390	2.311	ppm	97
81) 2-Napthylamine	7.741	143	11284	2.236	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.709	232	2545	1.509	ppm #	50
83) Fluorene	7.917	166	14970	2.196	ppm	95
84) 4-Chlorophenyl-phenyle...	7.917	204	7263	2.364	ppm	85
85) Diethylphthalate	7.810	149	16917	2.319	ppm	96
86) 4-Nitroaniline	7.955	138	3271	1.935	ppm	95
87) 5-Nitro-o-toluidine	7.939	152	3844	2.006	ppm #	30
89) Sulfotepp	8.190	322	2236	2.136	ppm	88
90) Octachlorocyclopentene	8.158	307	3118	2.252	ppm	76
92) Thionazin	7.885	107	2764	2.560	ppm	77
93) 4,6-Dinitro-2-methylph...	7.976	198	1453	1.114	ppm	91
94) Diphenylamine	8.035	169	24960	4.670	ppm	93
95) 1,2 Diphenylhydrazine	8.072	77	15992	2.340	ppm	90
96) N-Nitrosodiphenylamine	8.035	169	24960	4.669	ppm	93
98) Diallate	8.313	86	5917	2.389	ppm	95
99) Phorate	8.324	121	3152	2.475	ppm #	70
100) Phenacetin	8.345	108	6797	2.028	ppm	91
101) 4-Bromophenyl-phenylether	8.399	248	4686	2.358	ppm	87
102) Hexachlorobenzene	8.452	284	6473	2.561	ppm	98

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR279.D
Acq On : 14 Mar 2019 2:14 pm
Operator : J.Misiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 5 Sample Multiplier: 1

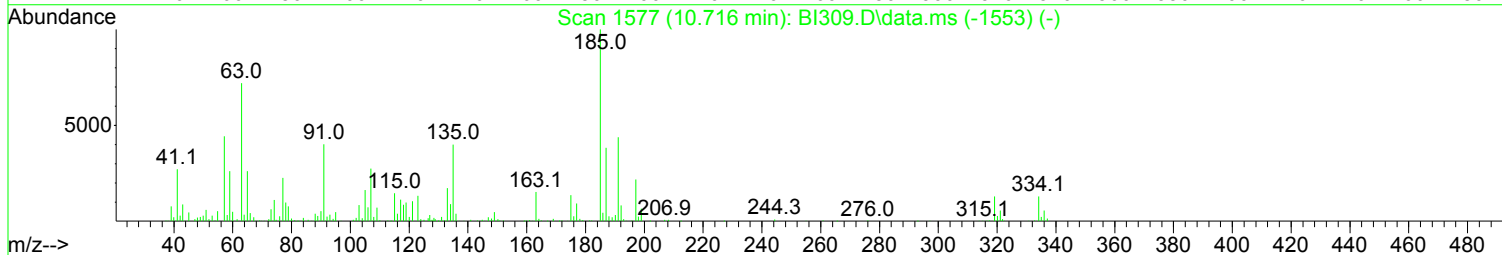
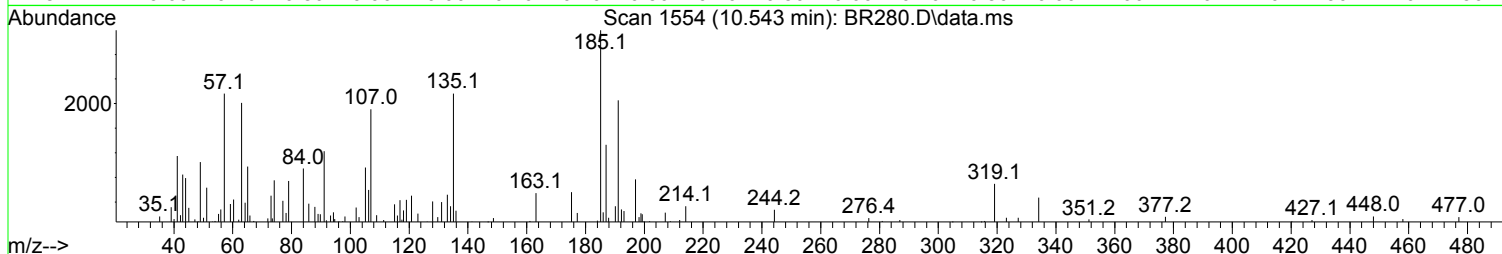
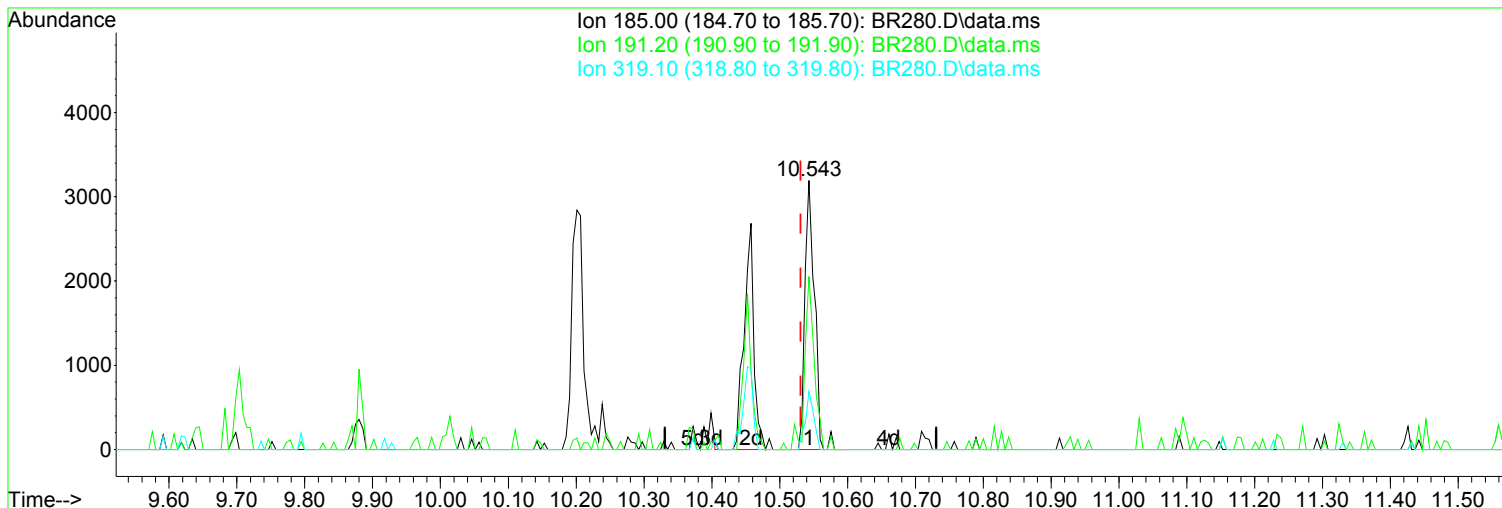
Quant Time: Apr 11 10:30:39 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
103) Dimethoate	8.500	87	5013	2.416	ppm	94
104) Atrazine	8.564	215	1490	2.172	ppm #	68
105) Pentachlorophenol	8.655	266	1621	1.173	ppm #	80
106) 4-Aminobiphenyl	8.661	169	11292	2.170	ppm	98
107) Pentachloronitrobenzene	8.661	237	2345	2.180	ppm	93
108) Pronamide	8.714	173	6940	1.988	ppm	87
109) Dinoseb	8.832	211	2142	1.161	ppm	78
110) Disulfoton	8.837	88	11107	3.201	ppm	80
111) Phenanthrene	8.864	178	24426	2.373	ppm	97
112) Anthracene	8.912	178	22759	2.252	ppm	94
113) Carbazole	9.083	167	20852	2.176	ppm	91
114) Di-n-butylphthalate	9.415	149	24766	1.924	ppm	94
116) Fluoranthene	10.046	202	23098	2.044	ppm	96
118) Methyl Parathion	9.212	109	3979	2.074	ppm	87
119) Ethyl Parathion	9.597	97	2871	1.759	ppm	99
120) Methapyrilene	9.704	58	3177	2.367	ppm	62
121) Isodrin	9.875	193	2521	2.213	ppm	87
122) Benzidine	10.206	184	9417	1.638	ppm	94
123) Pyrene	10.292	202	26010	2.222	ppm	97
125) Aramite	10.554	185	2353m	1.935	ppm	
126) p-(Dimethylamino)azobe...	10.645	120	5449	1.894	ppm	88
127) Chlorobenzilate	10.699	139	7666	2.098	ppm	75
128) Butyl benzyl phthalate	11.116	149	11580	1.972	ppm	92
129) 3,3-Dimethylbenzidine	11.094	212	12545	1.997	ppm	97
130) 2-Acetylaminofluorene	11.458	181	7468	1.618	ppm	91
131) 3,3'-Dichlorobenzidine	11.918	252	9219	2.070	ppm	86
132) Benzo(a)anthracene	11.934	228	25212	2.273	ppm	95
133) Chrysene	11.988	228	23438	2.226	ppm	97
134) bis(2-Ethylhexyl)phtha...	12.030	149	15218	1.861	ppm	99
136) Di-n-octyl phthalate	13.287	149	20741	1.469	ppm	96
137) 7,12-Dimethylbenz(a)an...	13.934	256	11279	2.134	ppm	82
138) Benzo(b)Fluoranthene	13.940	252	25537	2.106	ppm	95
139) Benzo(k)fluoranthene	13.999	252	23648	2.089	ppm	91
140) Benzo(a)pyrene	14.614	252	18837	1.864	ppm	93
141) 3-Methylcholanthrene	15.395	268	11785	1.999	ppm	91
142) Indeno(1,2,3-cd)Pyrene	16.764	276	22792	2.205	ppm	96
143) Dibenz(a,h)anthracene	16.823	278	22366	2.031	ppm	96
144) Benzo(g,h,i)perylene	17.186	276	19662	2.162	ppm	92

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

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.543min (+ 0.012) 4.79 ppm m

After

response 5896

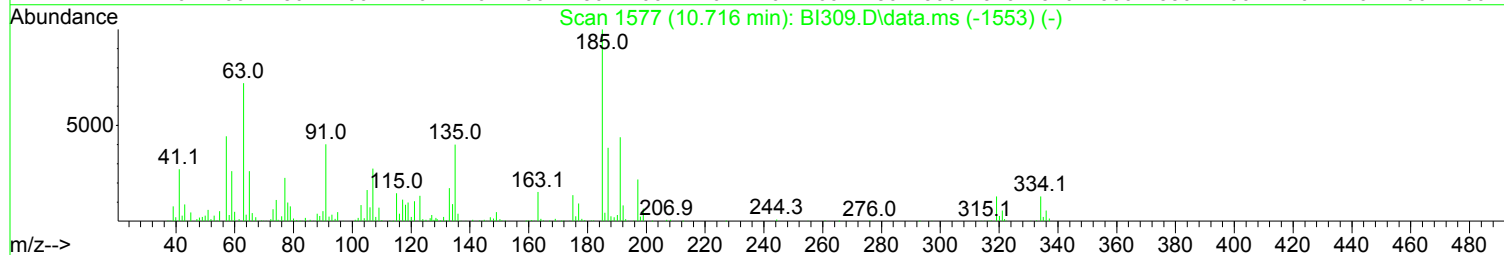
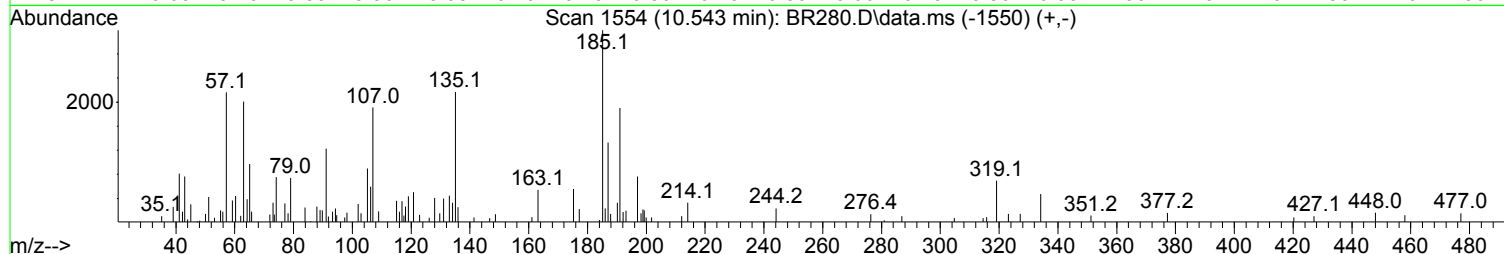
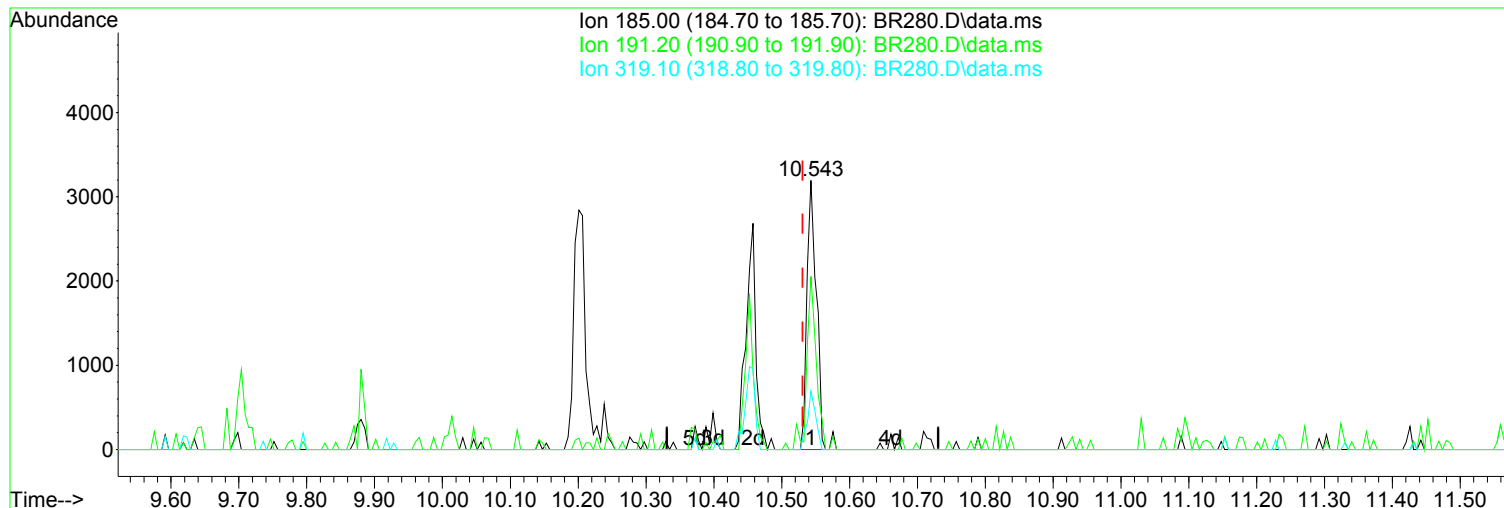
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	64.33
319.10	17.60	21.70
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR280.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.543min (+ 0.012) 2.49 ppm

Before

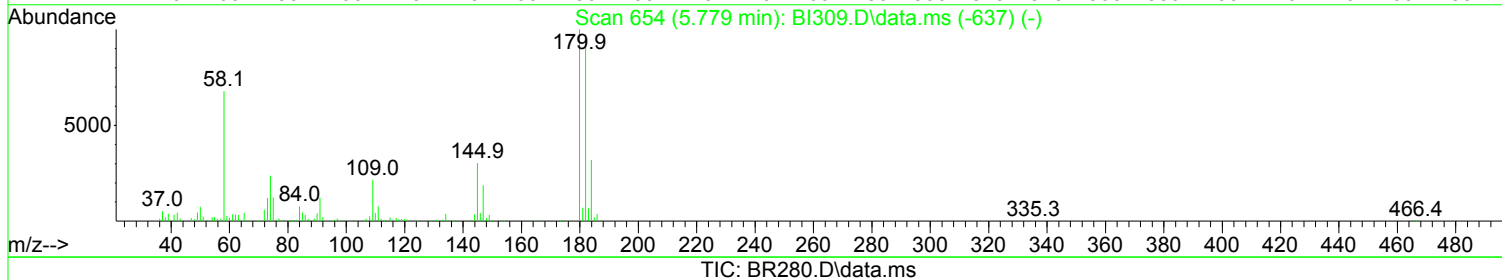
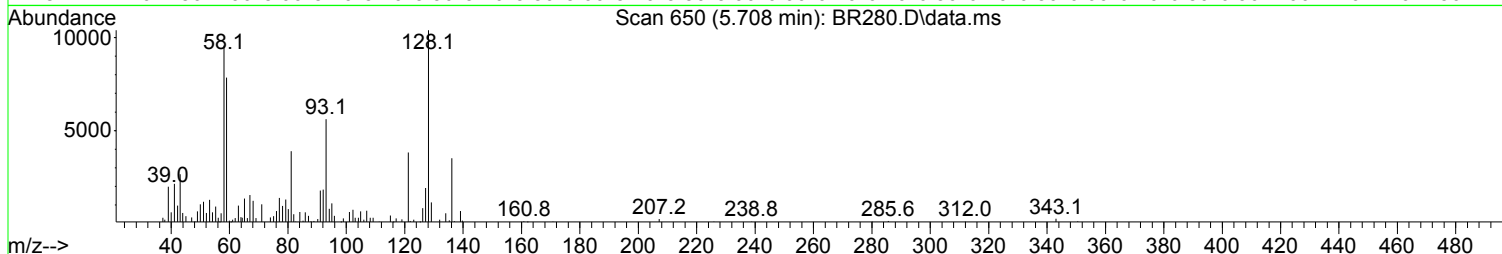
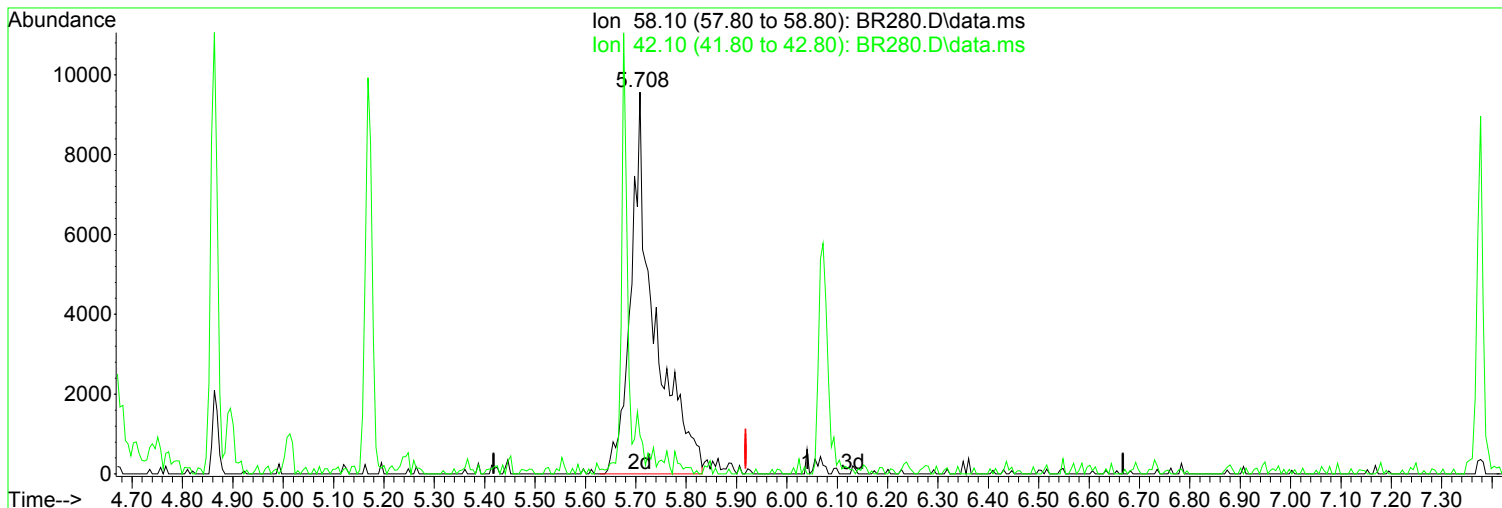
response 3061

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	60.93
319.10	17.60	22.18
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.708min (-0.210) 5.17 ppm m

After

response 30837

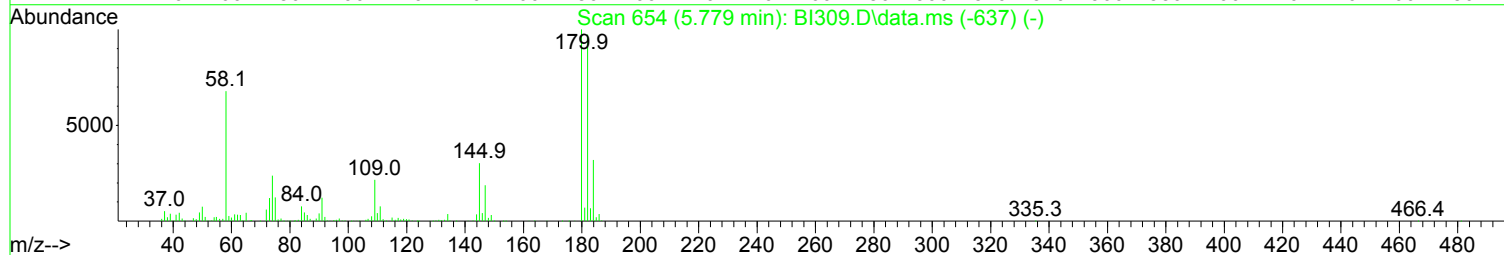
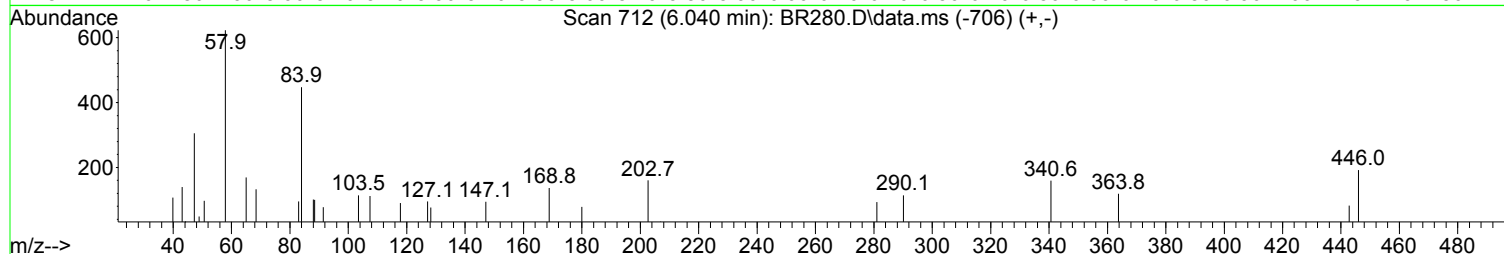
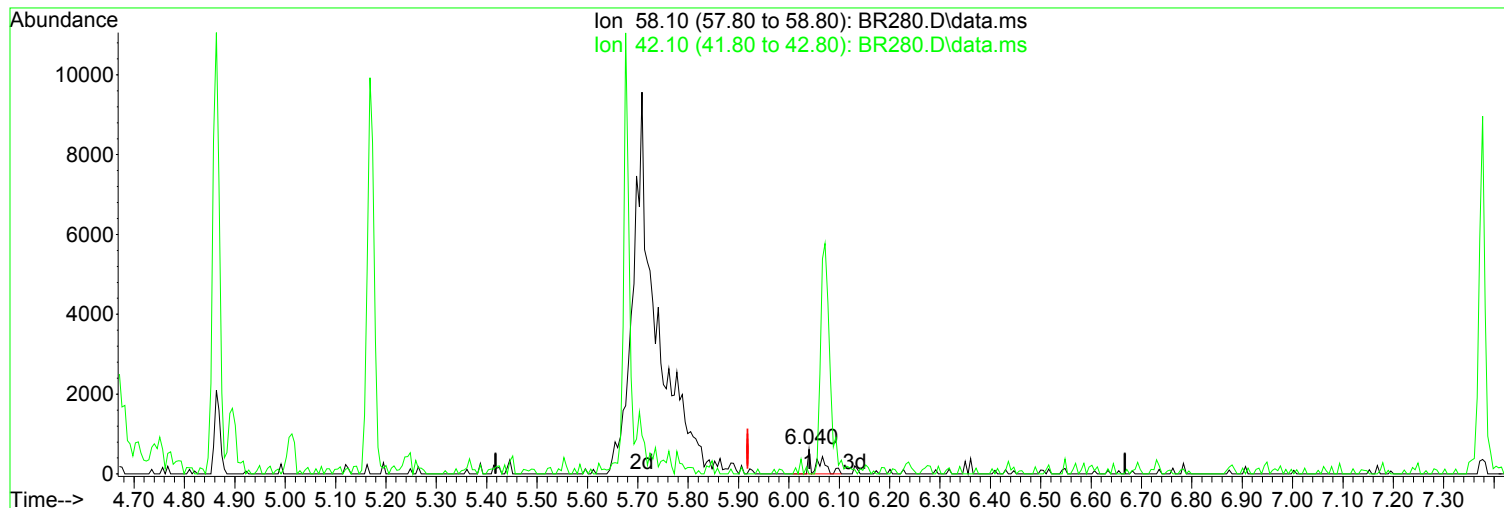
Peak not found.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.04
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.040min (+ 0.122) 0.13 ppm

Before

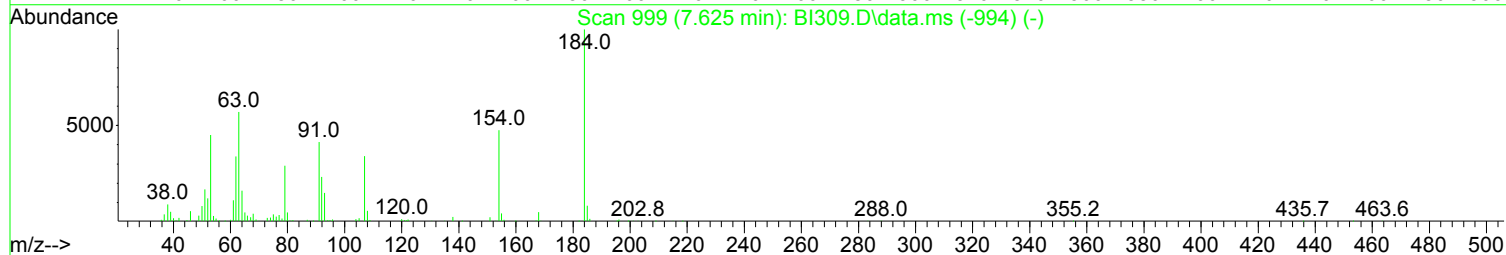
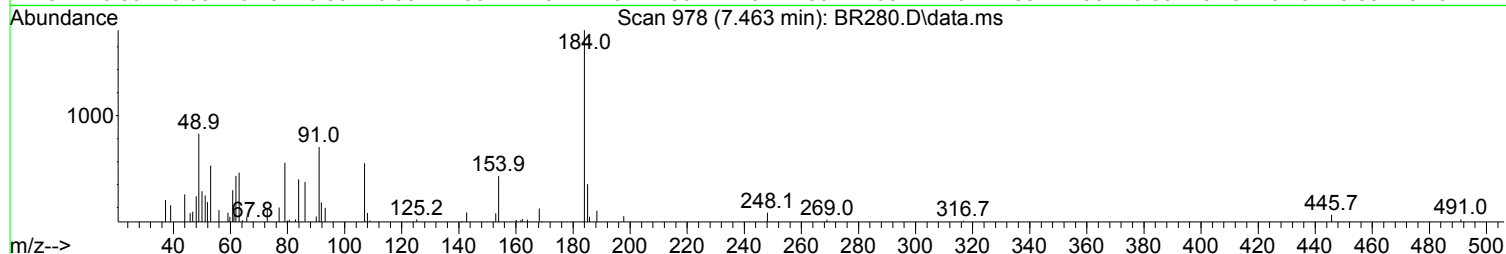
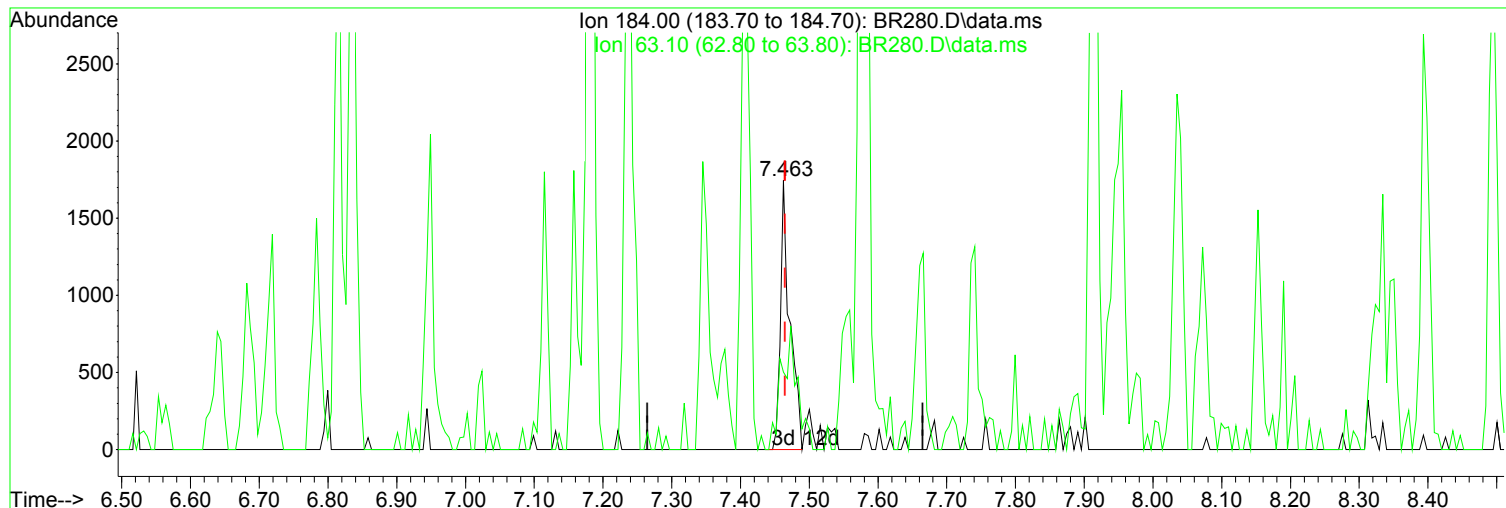
response 769

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(75) 2,4-Dinitrophenol (TPM)

7.463min (-0.002) 4.32 ppm m

response 1651

Ion	Exp%	Act%
184.00	100.00	100.00
63.10	70.20	28.84#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

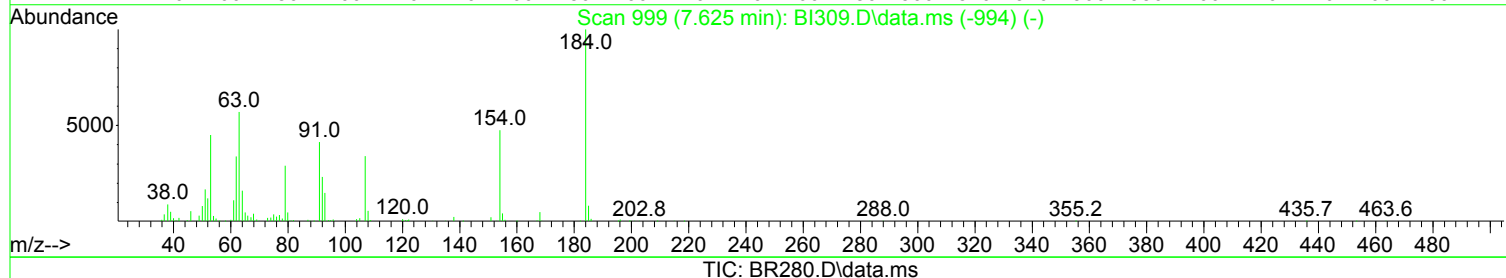
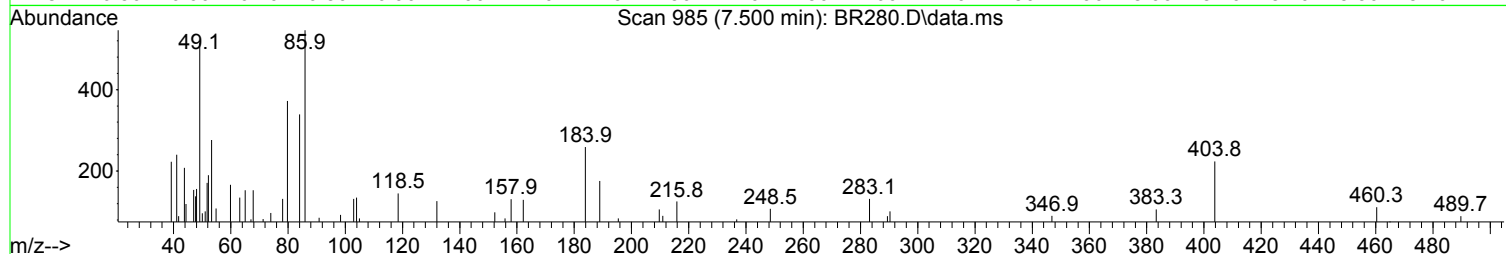
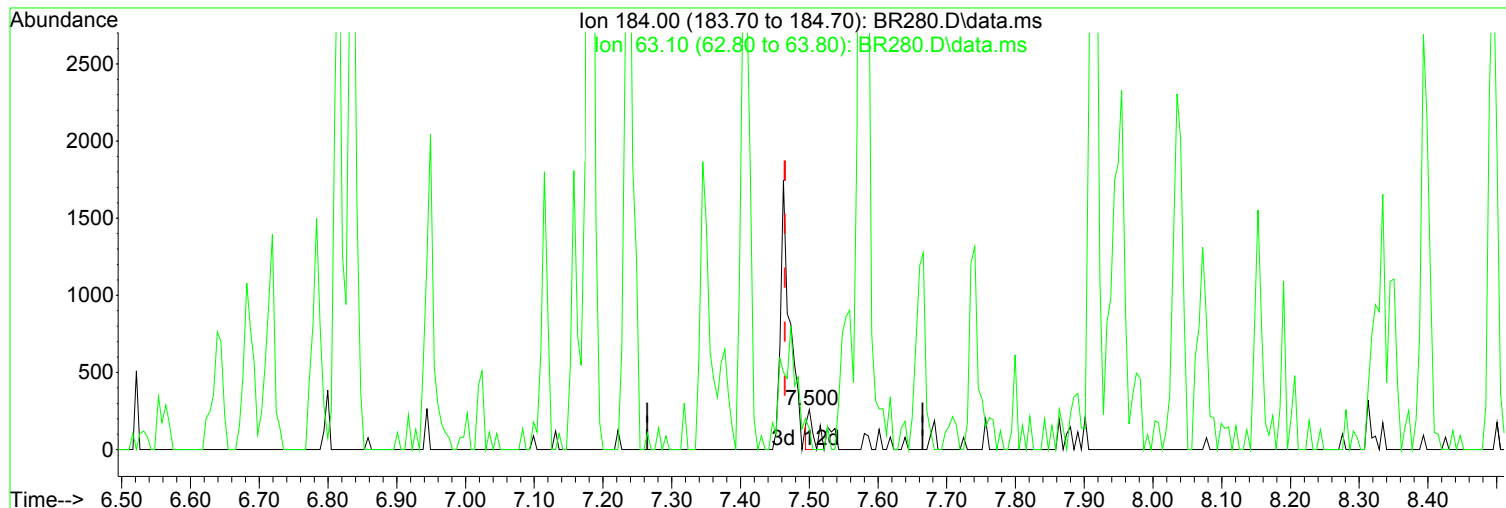
After

Wrong peak selected.

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR280.D
Acq On : 14 Mar 2019 2:41 pm
Operator : J.Misiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(75) 2,4-Dinitrophenol (TPM)

Manual Integration:

7.500min (+ 0.035) 2.23 ppm

Before

response 116

Ion	Exp%	Act%
184.00	100.00	100.00
63.10	70.20	52.12
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR280.D
 Acq On : 14 Mar 2019 2:41 pm
 Operator : J.Misiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	82854	40.00	ppm	0.00	
33) d8-Naphthalene	5.676	136	307337	40.00	ppm	0.00	
57) d10-Acenaphthene	7.377	164	175960	40.00	ppm	0.00	
91) d10-Phenanthrene	8.837	188	322514	40.00	ppm	0.00	
117) d12-Chrysene	11.945	240	337092	40.00	ppm	0.00	
135) d12-Perylene	14.742	264	355555	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	12527	4.30	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	2.15%#	
12) SURR2,PHENOL-D6	4.195	99	17687	4.89	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	2.44%#	
34) SURR4,NITROBENZENE-D5	5.013	82	15194	4.80	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	4.80%#	
63) SURR5,2-FLUOROBIPHENYL	6.719	172	35388	5.13	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	5.13%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.153	330	5836	4.58	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	2.29%#	
124) SURR6,TERPHENYL-D14	10.474	244	41236	4.88	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	4.88%#	
Target Compounds							
							Qvalue
2) Pyridine	2.413	79	12873	4.680	ppm		86
3) N-Nitrosodimethylamine	2.365	74	7617	4.554	ppm		84
4) 2-Picoline	2.986	93	13889	4.867	ppm		92
5) N-Nitrosomethylamine	3.061	42	8242	5.846	ppm		92
6) Methyl Methansulfonate	3.301	80	6390	4.851	ppm		79
8) N-Nitrosodiethylamine	3.612	102	6168	4.723	ppm		94
9) Ethyl Mathanesulfonate	3.858	79	11442	4.717	ppm		90
10) Benzaldehyde	4.146	106	18271	10.474	ppm		97
11) Aniline	4.232	93	23247	4.804	ppm		95
13) Phenol	4.205	94	18167	4.834	ppm		85
14) bis(2-Clethyl)Ether	4.280	93	12262	4.879	ppm		85
15) Pentachloroethane	4.269	117	6089	5.001	ppm		96
16) 2-Chlorophenol	4.334	128	16171	5.093	ppm		94
17) 1,3-Diclbzene	4.462	146	17569	4.998	ppm		96
18) 1,4-Dichlorobenzene	4.532	146	17660	4.939	ppm		97
19) 1,2-Diclbzene	4.665	146	17457	5.065	ppm		82
20) Benzyl Alcohol	4.633	79	10113	4.283	ppm		91
21) 1-Methyl-2-pyrrolidinone	4.665	99	9637	4.917	ppm		84
22) 2,2'-oxybis(1-Chloropr...	4.751	45	13581	5.213	ppm	#	60
23) 2-Methylphenol	4.735	108	13778	5.000	ppm		88
24) 3+4-Methylphenol	4.874	108	14475	4.538	ppm		89
25) Acetophenone	4.874	105	20288	4.843	ppm		92
26) N-Nitroso-Di-n-propyla...	4.863	70	9850	4.490	ppm		84
27) N-Nitrosopyrrolidine	4.858	100	6825	4.408	ppm		79
28) N-Nitrosomorpholine	4.895	56	7861	4.824	ppm		95
29) o-Toluidine	4.901	106	22002	4.874	ppm		96
30) Hexachloroethane	4.965	117	6798	4.746	ppm		98
31) o,o,o-Triethylphosphor...	5.414	198	7792	5.041	ppm		98
32) Alpha-terpinol	5.703	121	5107	4.639	ppm		80
35) Nitrobenzene	5.029	77	16210	5.029	ppm		90
36) N-Nitrosopiperidine	5.168	42	9439	5.156	ppm		99
37) Isophorone	5.243	82	26855	4.924	ppm		96
38) 2-Nitrophenol	5.323	139	8415	4.952	ppm		93

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR280.D
 Acq On : 14 Mar 2019 2:41 pm
 Operator : J.Misiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 10:30:45 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.425	105	9942	5.331	ppm	86
40) 2,4-Dimethylphenol	5.361	107	14981	4.846	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.446	93	16708	5.140	ppm	96
42) 2,4-Dichlorophenol	5.553	162	12688	4.884	ppm	96
43) a,a-Dimethylphenethyla...	5.708	58	30837m	5.173	ppm	
44) 1,2,4-Trichlorobenzene	5.623	180	14132	4.836	ppm	96
45) Naphthalene	5.697	128	45857	5.027	ppm	99
46) 4-Chloroaniline	5.756	127	17827	4.813	ppm	94
47) 2,6-Dichlorophenol	5.756	162	13265	4.823	ppm	96
48) Hexachlorobutadiene	5.804	225	9147	5.069	ppm	93
49) Hexachloropropene	5.778	213	12987	5.491	ppm	93
50) 4-Chloro-3-methylphenol	6.232	107	11122	4.457	ppm	76
51) N-N-di-n-butylamine	6.067	84	13866	6.192	ppm	84
52) Caprolactam	6.077	113	3607	4.196	ppm	76
53) p-Phenylenediamine	6.109	80	1827	3.735	ppm	# 70
54) Safrole	6.281	162	11876	4.982	ppm	85
55) 2-Methylnaphthalene	6.361	142	31227	5.014	ppm	95
56) 1-Methylnaphthalene	6.457	142	29827	5.081	ppm	96
58) Hexachlorocyclopentadiene	6.505	237	6415	5.115	ppm	92
59) 1,2,4,5-Tetrachloroben...	6.521	216	14525	4.666	ppm	88
60) 1,2,3,4-Tetrachloroben...	6.799	216	17774	5.472	ppm	98
61) 2,4,6-Trichlorophenol	6.644	196	8432	4.541	ppm	98
62) 2,4,5-Trichlorophenol	6.687	196	10175	5.001	ppm	84
64) Isosafrole	6.783	104	5533	4.735	ppm	91
65) 1,1'-Biphenyl	6.815	154	39757	5.022	ppm	96
66) 2-Chloronaphthalene	6.837	162	30559	5.264	ppm	98
67) 2-Nitroaniline	6.944	65	7790	5.043	ppm	88
68) 1,4-Naphthoquinone	7.019	158	7824	4.698	ppm	91
69) m-Dinitrobenzene	7.158	168	4533	4.336	ppm	93
70) Acenaphthylene	7.238	152	45127	4.826	ppm	98
71) Dimethyl phthalate	7.120	163	37134	5.283	ppm	98
72) 2,6-Dinitrotoluene	7.184	165	6834	4.519	ppm	92
73) Acenaphthene	7.409	153	33362	5.104	ppm	97
74) 3-Nitroaniline	7.350	138	7302	4.384	ppm	86
75) 2,4-Dinitrophenol	7.463	184	1651m	4.320	ppm	
76) Dibenzofuran	7.580	168	45736	5.361	ppm	84
77) 2,4-Dinitrotoluene	7.580	165	9821	4.597	ppm	88
78) 4-Nitrophenol	7.548	65	3864	3.569	ppm	# 64
79) Pentachlorobenzene	7.532	250	17178	5.716	ppm	93
80) 1-Naphthylamine	7.660	143	21686	5.264	ppm	86
81) 2-Naphthylamine	7.741	143	27638	5.403	ppm	89
82) 2,3,4,6-Tetrachlorophenol	7.703	232	6992	4.090	ppm	94
83) Fluorene	7.917	166	35044	5.070	ppm	99
84) 4-Chlorophenyl-phenyle...	7.917	204	16322	5.241	ppm	91
85) Diethylphthalate	7.805	149	38136	5.158	ppm	95
86) 4-Nitroaniline	7.949	138	8194	4.780	ppm	94
87) 5-Nitro-o-toluidine	7.939	152	9464	4.872	ppm	96
89) Sulfotepp	8.190	322	5377	5.066	ppm	94
90) Octachlorocyclopentene	8.158	307	6523	4.648	ppm	89
92) Thionazin	7.890	107	4568	4.166	ppm	83
93) 4,6-Dinitro-2-methylph...	7.976	198	4451	3.359	ppm	73
94) Diphenylamine	8.035	169	53786	9.909	ppm	98
95) 1,2 Diphenylhydrazine	8.072	77	33871	4.880	ppm	95
96) N-Nitrosodiphenylamine	8.035	169	53786	9.908	ppm	98
97) 1,3,5-Trinitrobenzene	8.334	213	2117	3.253	ppm	# 70
98) Diallate	8.313	86	13340	5.303	ppm	80

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR280.D
 Acq On : 14 Mar 2019 2:41 pm
 Operator : J.Misiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 6 Sample Multiplier: 1

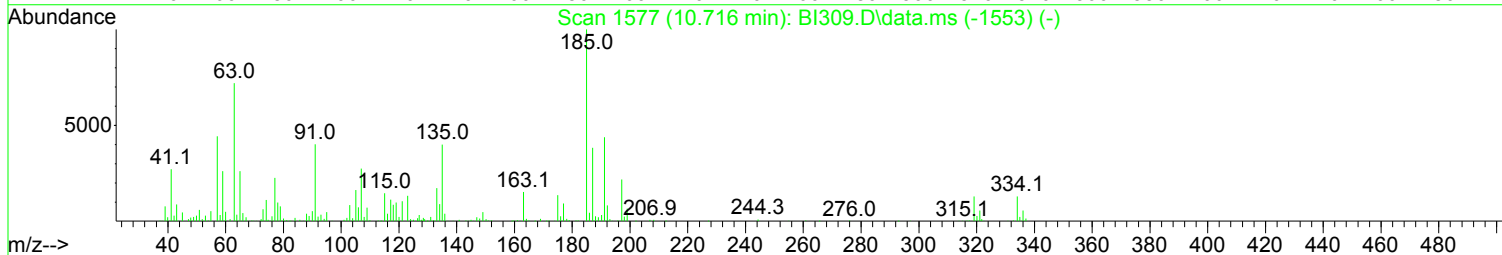
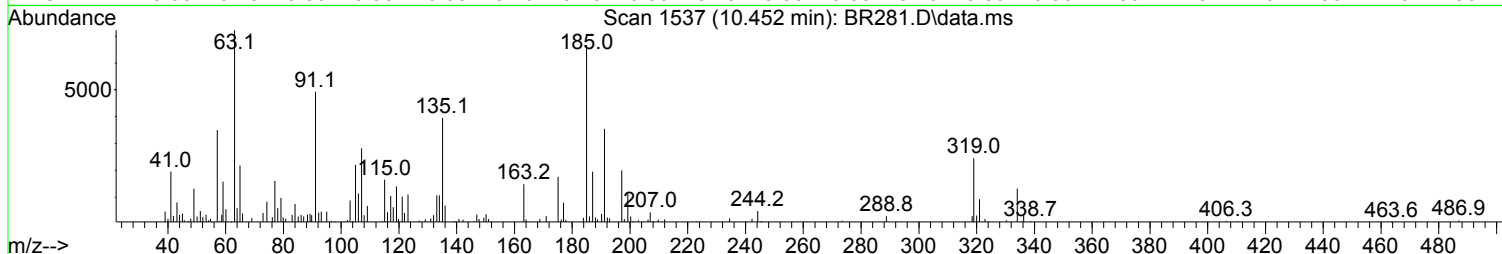
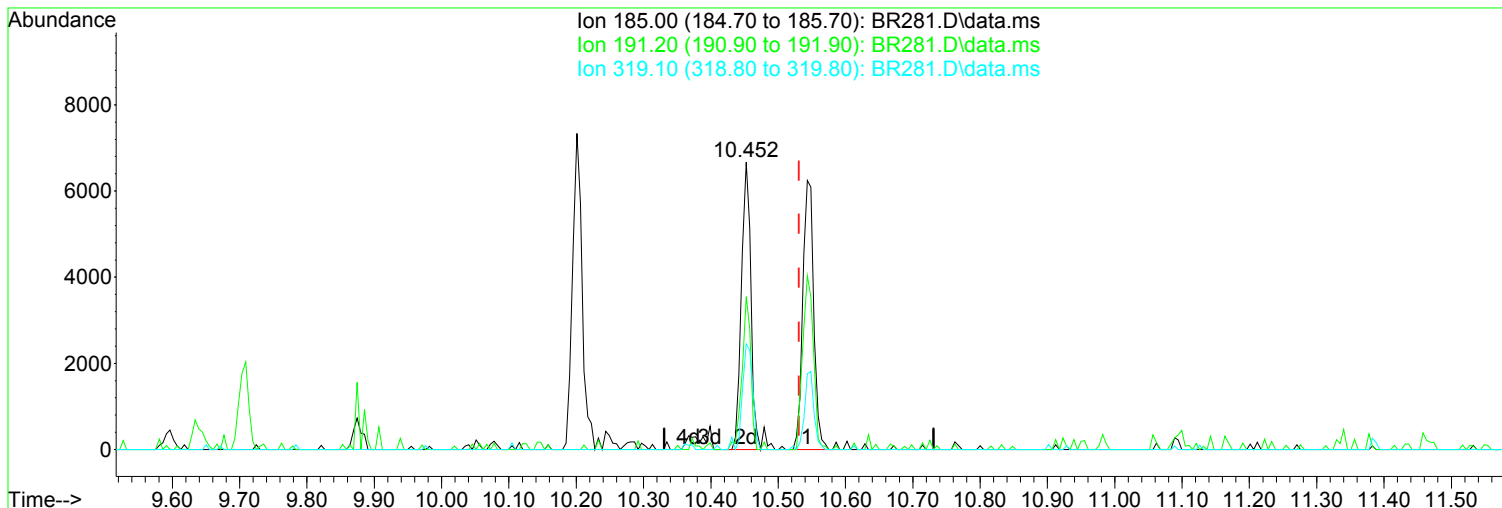
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 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.324	121	5607	4.336	ppm #	77
100) Phenacetin	8.345	108	14548	4.275	ppm	98
101) 4-Bromophenyl-phenylether	8.399	248	9505	4.710	ppm	97
102) Hexachlorobenzene	8.447	284	13191	5.140	ppm	87
103) Dimethoate	8.495	87	11701	5.553	ppm	97
104) Atrazine	8.564	215	4071	5.845	ppm #	52
105) Pentachlorophenol	8.655	266	4036	2.876	ppm	83
106) 4-Aminobiphenyl	8.661	169	25354	4.797	ppm	96
107) Pentachloronitrobenzene	8.655	237	4461	4.084	ppm	90
108) Pronamide	8.714	173	15605	4.402	ppm	88
109) Dinoseb	8.832	211	6008	3.207	ppm	94
110) Disulfoton	8.837	88	18894	5.362	ppm	95
111) Phenanthrene	8.859	178	54571	5.220	ppm	93
112) Anthracene	8.912	178	51066	4.975	ppm	98
113) Carbazole	9.078	167	45478	4.674	ppm	98
114) Di-n-butylphthalate	9.415	149	57870	4.428	ppm	97
115) 4-Nitroquinonline-1-oxide	9.639	190	1650	2.283	ppm	76
116) Fluoranthene	10.046	202	53069	4.625	ppm	97
118) Methyl Parathion	9.212	109	8673	4.471	ppm	98
119) Ethyl Parathion	9.591	97	6861	4.157	ppm	83
120) Methapyrilene	9.704	58	6715	4.948	ppm	97
121) Isodrin	9.875	193	5646	4.902	ppm	82
122) Benzidine	10.201	184	22759	3.916	ppm	92
123) Pyrene	10.287	202	57485	4.857	ppm	97
125) Aramite	10.543	185	5896m	4.795	ppm	
126) p-(Dimethylamino)azobe...	10.645	120	13037	4.481	ppm	91
127) Chlorobenzilate	10.698	139	16356	4.428	ppm	98
128) Butyl benzyl phthalate	11.110	149	27507	4.633	ppm	96
129) 3,3-Dimethylbenzidine	11.094	212	28527	4.491	ppm	95
130) 2-Acetylaminofluorene	11.458	181	17190	3.683	ppm	86
131) 3,3'-Dichlorobenzidine	11.913	252	20320	4.513	ppm	94
132) Benzo(a)anthracene	11.929	228	53476	4.767	ppm	96
133) Chrysene	11.988	228	57497	5.400	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.030	149	36655	4.432	ppm	99
136) Di-n-octyl phthalate	13.287	149	55697	3.884	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.934	256	25728	4.792	ppm	92
138) Benzo(b)Fluoranthene	13.940	252	58974	4.789	ppm	94
139) Benzo(k)fluoranthene	13.999	252	58597	5.097	ppm	92
140) Benzo(a)pyrene	14.614	252	48073	4.685	ppm	92
141) 3-Methylcholanthrene	15.395	268	29071	4.855	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.769	276	50401	4.801	ppm	79
143) Dibenz(a,h)anthracene	16.817	278	55190	4.935	ppm	95
144) Benzo(g,h,i)perylene	17.176	276	47430	5.136	ppm	88

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

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

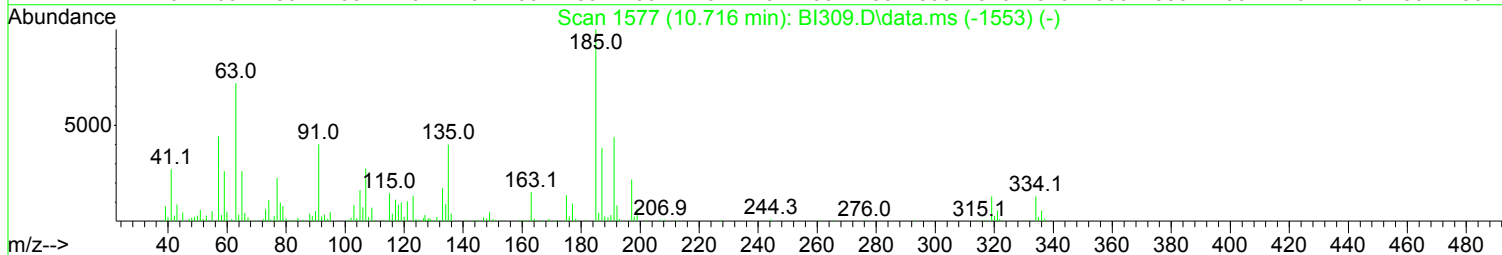
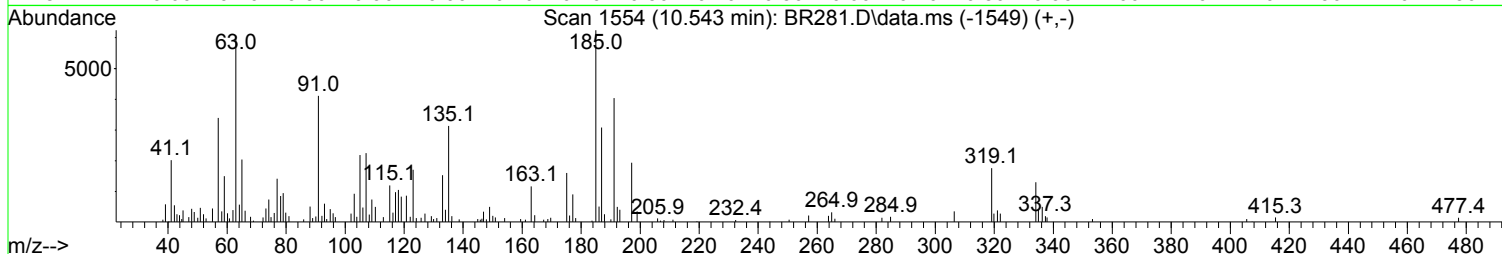
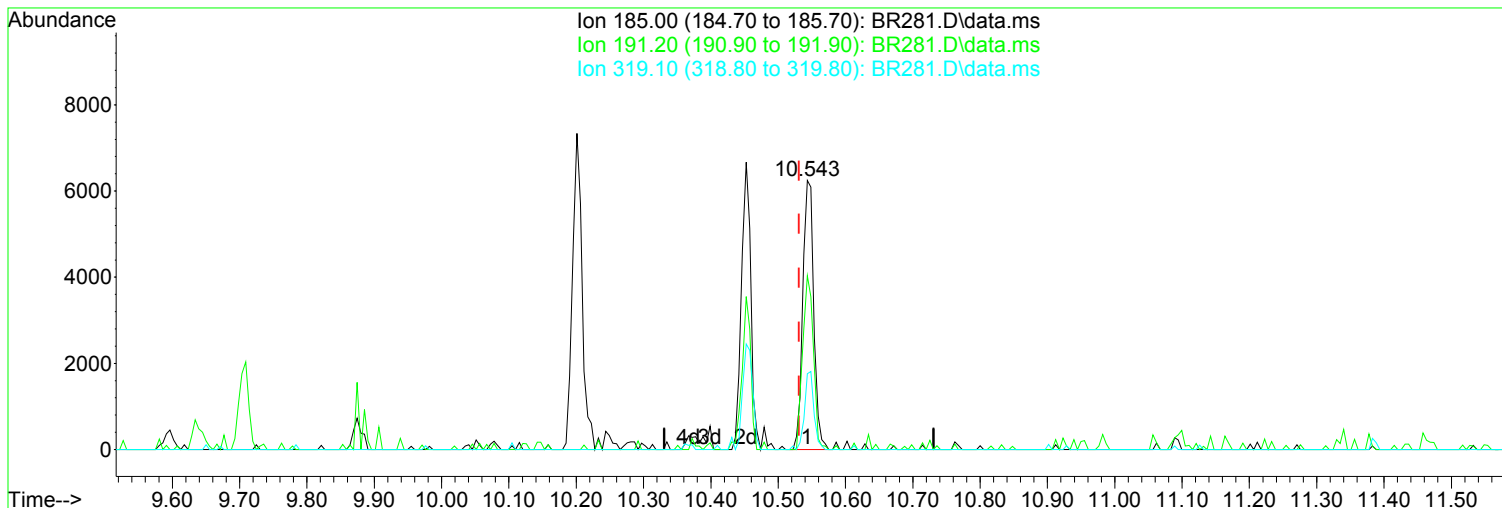


TIC: BR281.D\data.ms

(125) Aramite (TM)			Manual Integration:
10.452min (-0.079)	10.73 ppm m		After
response	13863		Split Peak.
			04/11/19
Ion	Exp%	Act%	
185.00	100.00	100.00	
191.20	47.90	53.25	
319.10	17.60	36.70	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR281.D
Acq On : 14 Mar 2019 3:09 pm
Operator : J.Misiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.543min (+ 0.012) 5.48 ppm

Before

response 7087

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	64.62
319.10	17.60	28.19
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR281.D
 Acq On : 14 Mar 2019 3:09 pm
 Operator : J.Misiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	83121	40.00	ppm	0.00
33) d8-Naphthalene	5.676	136	306695	40.00	ppm	0.00
57) d10-Acenaphthene	7.377	164	184783	40.00	ppm	0.00
91) d10-Phenanthrene	8.837	188	308315	40.00	ppm	0.00
117) d12-Chrysene	11.950	240	354187	40.00	ppm	0.00
135) d12-Perylene	14.742	264	374708	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	29804	10.19	ppm	0.00
Spiked Amount	200.000	Range	10 - 70	Recovery	=	5.09%#
12) SURR2,PHENOL-D6	4.194	99	34188	9.42	ppm	0.00
Spiked Amount	200.000	Range	10 - 107	Recovery	=	4.71%#
34) SURR4,NITROBENZENE-D5	5.013	82	32016	10.13	ppm	0.00
Spiked Amount	100.000	Range	31 - 110	Recovery	=	10.13%#
63) SURR5,2-FLUOROBIPHENYL	6.719	172	71716	9.90	ppm	0.00
Spiked Amount	100.000	Range	31 - 118	Recovery	=	9.90%#
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	13915	10.39	ppm	0.00
Spiked Amount	200.000	Range	35 - 141	Recovery	=	5.20%#
124) SURR6,TERPHENYL-D14	10.474	244	90753	10.23	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	10.23%

Target Compounds						Qvalue
2) Pyridine	2.397	79	25716	9.319	ppm	94
3) N-Nitrosodimethylamine	2.360	74	14062	8.380	ppm	77
4) 2-Picoline	2.980	93	26547	9.273	ppm	90
5) N-Nitrosomethylamine	3.061	42	14287	10.101	ppm	97
6) Methyl Methansulfonate	3.301	80	12541	9.491	ppm	92
8) N-Nitrosodiethylamine	3.611	102	12648	9.653	ppm	91
9) Ethyl Mathanesulfonate	3.857	79	24808	10.194	ppm	95
10) Benzaldehyde	4.146	106	38038	21.736	ppm	95
11) Aniline	4.232	93	49047	10.102	ppm	88
13) Phenol	4.205	94	35427	9.397	ppm	89
14) bis(2-Clethyl)Ether	4.280	93	26042	10.328	ppm	96
15) Pentachloroethane	4.269	117	12047	9.864	ppm	88
16) 2-Chlorophenol	4.333	128	30529	9.584	ppm	95
17) 1,3-Diclbzene	4.462	146	34821	9.874	ppm	98
18) 1,4-Dichlorobenzene	4.531	146	35747	9.966	ppm	100
19) 1,2-Diclbzene	4.660	146	33241	9.613	ppm	95
20) Benzyl Alcohol	4.633	79	20330	8.582	ppm	92
21) 1-Methyl-2-pyrrolidinone	4.660	99	18909	9.618	ppm	89
22) 2,2'-oxybis(1-Chloropr...	4.751	45	25182	9.635	ppm	# 56
23) 2-Methylphenol	4.735	108	26164	9.465	ppm	97
24) 3+4-Methylphenol	4.874	108	29940	9.356	ppm	92
25) Acetophenone	4.874	105	42138	10.027	ppm	97
26) N-Nitroso-Di-n-propyla...	4.863	70	21795	9.903	ppm	90
27) N-Nitrosopyrrolidine	4.858	100	15086	9.713	ppm	# 59
28) N-Nitrosomorpholine	4.895	56	15721	9.617	ppm	94
29) o-Toluidine	4.906	106	47271	10.438	ppm	95
30) Hexachloroethane	4.965	117	14871	10.349	ppm	87
31) o,o,o-Triethylphosphor...	5.414	198	15190	9.795	ppm	95
32) Alpha-terpinol	5.703	121	10672	9.663	ppm	95
35) Nitrobenzene	5.029	77	32030	9.958	ppm	88
36) N-Nitrosopiperidine	5.168	42	18696	10.233	ppm	84
37) Isophorone	5.243	82	56273	10.340	ppm	97
38) 2-Nitrophenol	5.323	139	17783	10.486	ppm	94

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR281.D
 Acq On : 14 Mar 2019 3:09 pm
 Operator : J.Misiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 11 10:30:50 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.435	105	27796	14.936	ppm	91
40) 2,4-Dimethylphenol	5.360	107	30935	10.028	ppm	96
41) bis(-2-Chloroethoxy)Me...	5.446	93	33643	10.371	ppm	91
42) 2,4-Dichlorophenol	5.553	162	26432	10.195	ppm	97
43) a,a-Dimethylphenethyla...	5.762	58	67694	11.380	ppm	81
44) 1,2,4-Trichlorobenzene	5.623	180	29214	10.018	ppm	95
45) Naphthalene	5.697	128	92742	10.187	ppm	98
46) 4-Chloroaniline	5.756	127	37055	10.025	ppm	99
47) 2,6-Dichlorophenol	5.762	162	29260	10.661	ppm	84
48) Hexachlorobutadiene	5.804	225	18268	10.144	ppm	96
49) Hexachloropropene	5.772	213	22086	9.357	ppm	98
50) 4-Chloro-3-methylphenol	6.232	107	25747	10.340	ppm	91
51) N-N-di-n-butylamine	6.066	84	24996	11.186	ppm	94
52) Caprolactam	6.082	113	9557	11.141	ppm	85
53) p-Phenylenediamine	6.104	80	6030	12.352	ppm	91
54) Safrole	6.275	162	24850	10.447	ppm	94
55) 2-Methylnaphthalene	6.361	142	64341	10.352	ppm	95
56) 1-Methylnaphthalene	6.457	142	62288	10.634	ppm	94
58) Hexachlorocyclopentadiene	6.505	237	15030	9.702	ppm	97
59) 1,2,4,5-Tetrachloroben...	6.521	216	32403	9.912	ppm	89
60) 1,2,3,4-Tetrachloroben...	6.799	216	33245	9.746	ppm	95
61) 2,4,6-Trichlorophenol	6.639	196	18457	9.464	ppm	98
62) 2,4,5-Trichlorophenol	6.687	196	20808	9.739	ppm	91
64) Isosafrole	6.783	104	12462	10.155	ppm	88
65) 1,1'-Biphenyl	6.815	154	82142	9.880	ppm	94
66) 2-Chloronaphthalene	6.837	162	63047	10.343	ppm	98
67) 2-Nitroaniline	6.944	65	16061	9.901	ppm	87
68) 1,4-Naphthoquinone	7.019	158	18553	10.609	ppm	96
69) m-Dinitrobenzene	7.163	168	11007	10.025	ppm	# 77
70) Acenaphthylene	7.238	152	98557	10.038	ppm	99
71) Dimethyl phthalate	7.120	163	74928	10.151	ppm	98
72) 2,6-Dinitrotoluene	7.184	165	15740	9.910	ppm	88
73) Acenaphthene	7.409	153	68144	9.928	ppm	98
74) 3-Nitroaniline	7.350	138	17497	10.004	ppm	96
75) 2,4-Dinitrophenol	7.462	184	6204	10.009	ppm	79
76) Dibenzofuran	7.580	168	90619	10.116	ppm	99
77) 2,4-Dinitrotoluene	7.580	165	21792	9.714	ppm	86
78) 4-Nitrophenol	7.548	65	9270	8.153	ppm	78
79) Pentachlorobenzene	7.532	250	32067	10.161	ppm	90
80) 1-Naphthylamine	7.660	143	45546	10.527	ppm	97
81) 2-Naphthylamine	7.741	143	54020	10.056	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.703	232	17725	9.872	ppm	96
83) Fluorene	7.917	166	77513	10.679	ppm	93
84) 4-Chlorophenyl-phenyle...	7.917	204	33661	10.293	ppm	92
85) Diethylphthalate	7.810	149	77873	10.029	ppm	99
86) 4-Nitroaniline	7.949	138	17444	9.691	ppm	99
87) 5-Nitro-o-toluidine	7.938	152	17974	8.811	ppm	97
89) Sulfotepp	8.190	322	11185	10.035	ppm	83
90) Octachlorocyclopentene	8.158	307	13908	9.437	ppm	96
92) Thionazin	7.885	107	11097	10.588	ppm	97
93) 4,6-Dinitro-2-methylph...	7.976	198	9225	7.283	ppm	77
94) Diphenylamine	8.035	169	111048	21.400	ppm	95
95) 1,2 Diphenylhydrazine	8.072	77	75094	11.317	ppm	98
96) N-Nitrosodiphenylamine	8.035	169	111048	21.398	ppm	95
97) 1,3,5-Trinitrobenzene	8.334	213	4609	7.408	ppm	# 47
98) Diallate	8.313	86	25563	10.630	ppm	83

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR281.D
 Acq On : 14 Mar 2019 3:09 pm
 Operator : J.Misiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 7 Sample Multiplier: 1

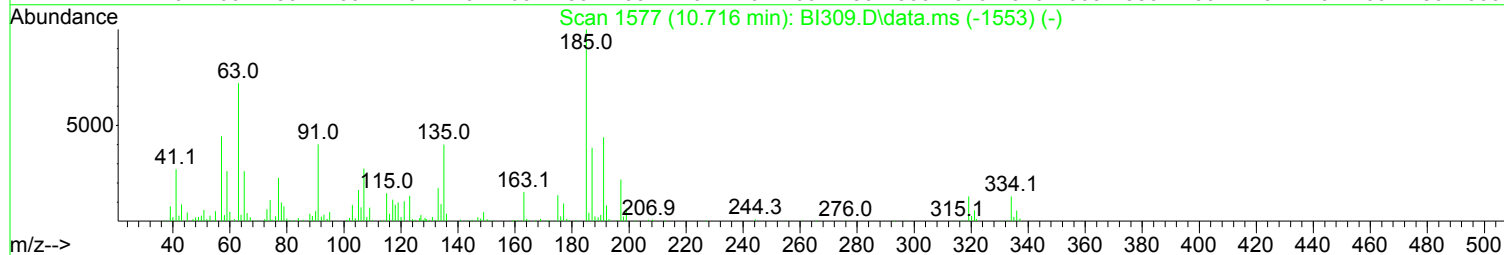
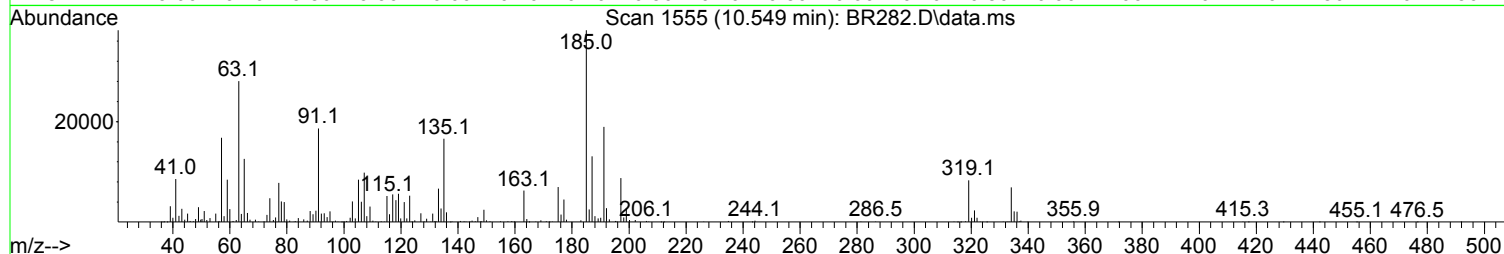
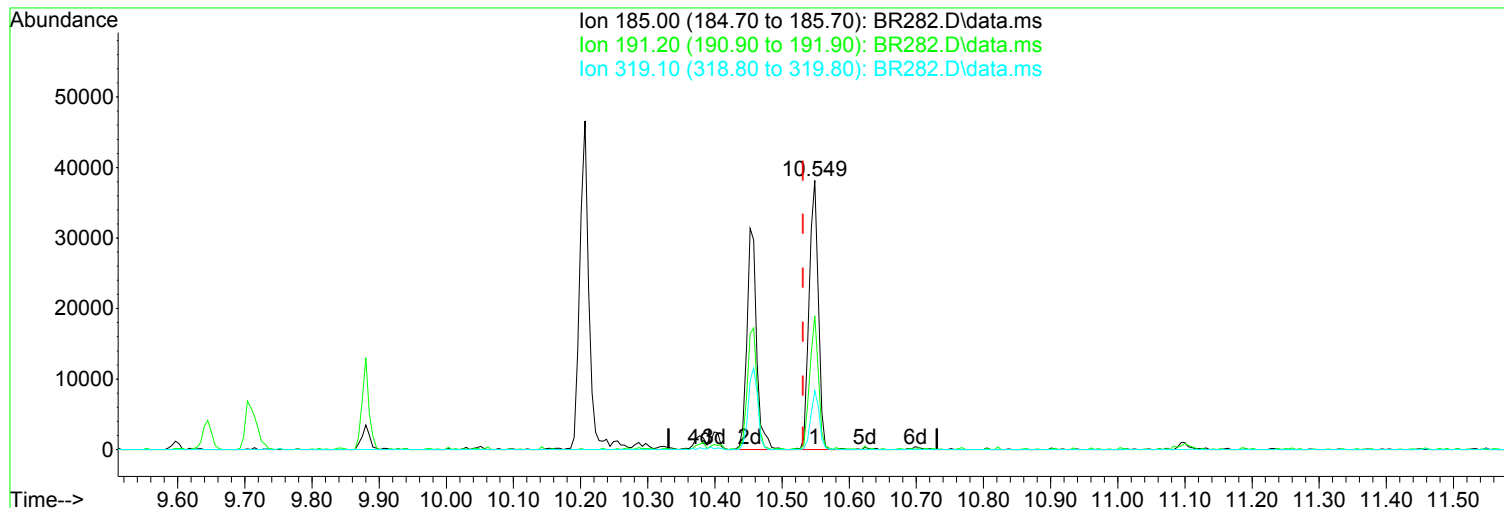
Quant Time: Apr 11 10:30:50 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.324	121	13284	10.747	ppm	85
100) Phenacetin	8.350	108	33940	10.433	ppm	96
101) 4-Bromophenyl-phenylether	8.398	248	21053	10.913	ppm	98
102) Hexachlorobenzene	8.452	284	26506	10.803	ppm	90
103) Dimethoate	8.495	87	24176	12.001	ppm	95
104) Atrazine	8.564	215	8676	13.029	ppm	91
105) Pentachlorophenol	8.655	266	9510	7.089	ppm	90
106) 4-Aminobiphenyl	8.661	169	52106	10.313	ppm	93
107) Pentachloronitrobenzene	8.661	237	9720	9.309	ppm	86
108) Pronamide	8.714	173	34049	10.046	ppm	97
109) Dinoseb	8.832	211	13194	7.367	ppm	94
110) Disulfoton	8.842	88	33308	9.887	ppm	92
111) Phenanthrene	8.858	178	101143	10.120	ppm	95
112) Anthracene	8.912	178	102567	10.452	ppm	98
113) Carbazole	9.078	167	98752	10.617	ppm	98
114) Di-n-butylphthalate	9.420	149	131214	10.502	ppm	98
115) 4-Nitroquinonline-1-oxide	9.639	190	5105	7.387	ppm	88
116) Fluoranthene	10.041	202	114307	10.420	ppm	96
118) Methyl Parathion	9.211	109	20959	10.283	ppm	92
119) Ethyl Parathion	9.591	97	14936	8.613	ppm	88
120) Methapyrilene	9.704	58	14590	10.231	ppm	86
121) Isodrin	9.880	193	11353	9.381	ppm	89
122) Benzidine	10.201	184	56578	9.264	ppm	96
123) Pyrene	10.292	202	125025	10.054	ppm	97
125) Aramite	10.452	185	13863m	10.729	ppm	
126) p-(Dimethylamino)azobe...	10.645	120	30579	10.002	ppm	94
127) Chlorobenzilate	10.698	139	37706	9.715	ppm	96
128) Butyl benzyl phthalate	11.110	149	64635	10.360	ppm	99
129) 3,3-Dimethylbenzidine	11.094	212	63531	9.519	ppm	98
130) 2-Acetylaminofluorene	11.458	181	43506	8.870	ppm	99
131) 3,3'-Dichlorobenzidine	11.913	252	44464	9.399	ppm	99
132) Benzo(a)anthracene	11.929	228	116485	9.883	ppm	97
133) Chrysene	11.987	228	113098	10.109	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.030	149	84606	9.737	ppm	100
136) Di-n-octyl phthalate	13.287	149	131169	8.679	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.934	256	52637	9.304	ppm	98
138) Benzo(b)Fluoranthene	13.940	252	129973	10.014	ppm	96
139) Benzo(k)fluoranthene	13.999	252	119857	9.893	ppm	95
140) Benzo(a)pyrene	14.619	252	106568	9.854	ppm	91
141) 3-Methylcholanthrene	15.394	268	59784	9.474	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.764	276	106326	9.610	ppm	97
143) Dibenz(a,h)anthracene	16.812	278	114454	9.711	ppm	97
144) Benzo(g,h,i)perylene	17.181	276	99255	10.199	ppm	97

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

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR282.D
 Acq On : 14 Mar 2019 3:37 pm
 Operator : J.Misiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration



TIC: BR282.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 53.05 ppm m

After

response 68411

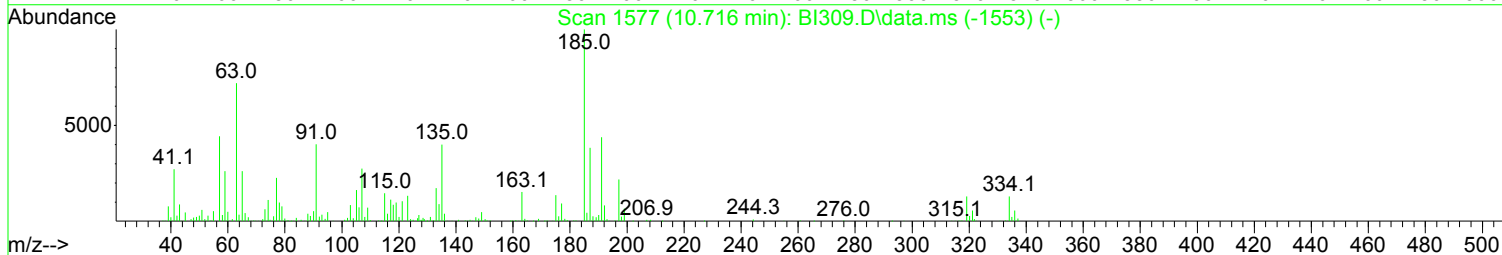
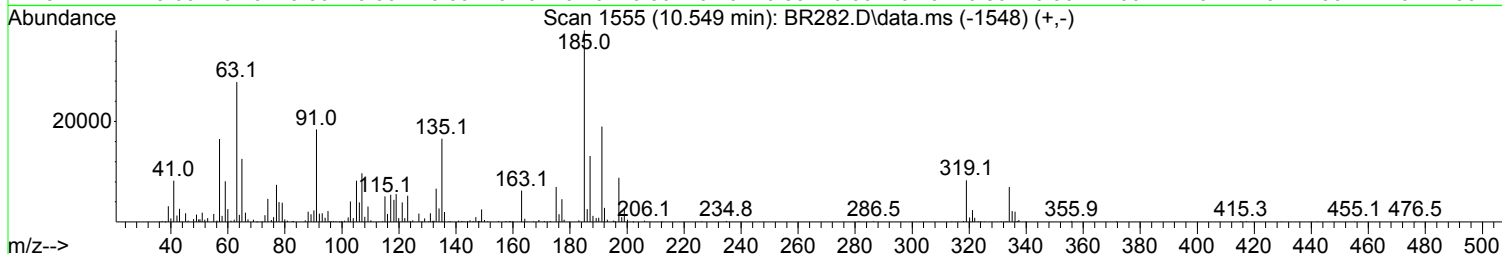
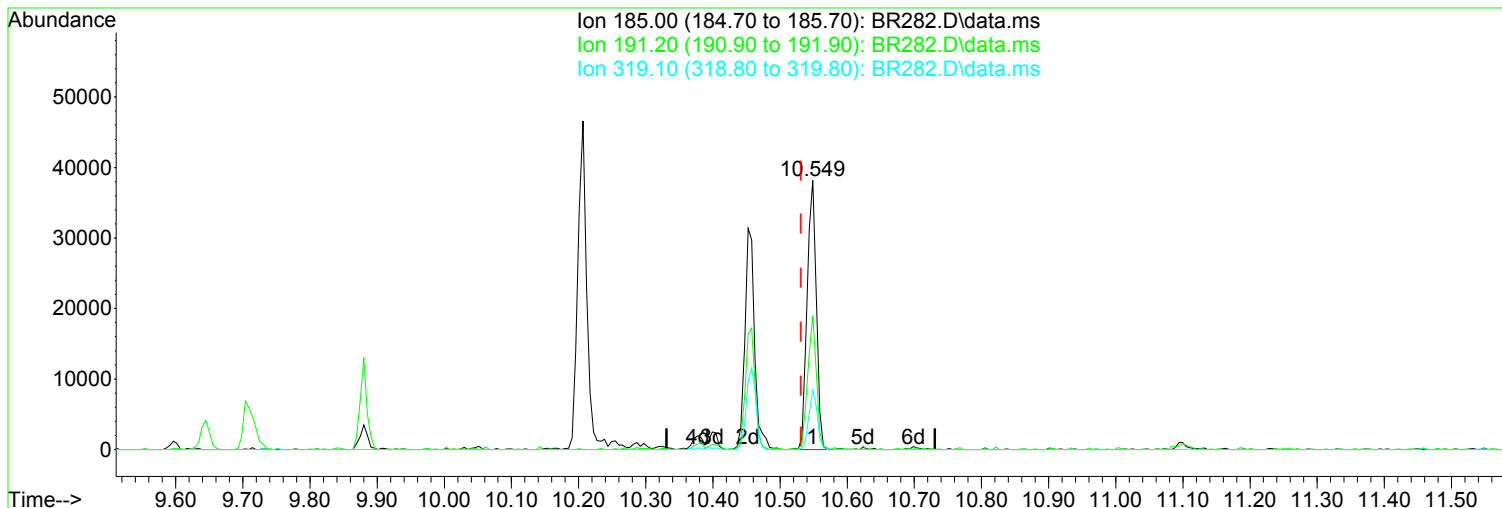
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	49.70
319.10	17.60	21.94
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR282.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 28.16 ppm

Before

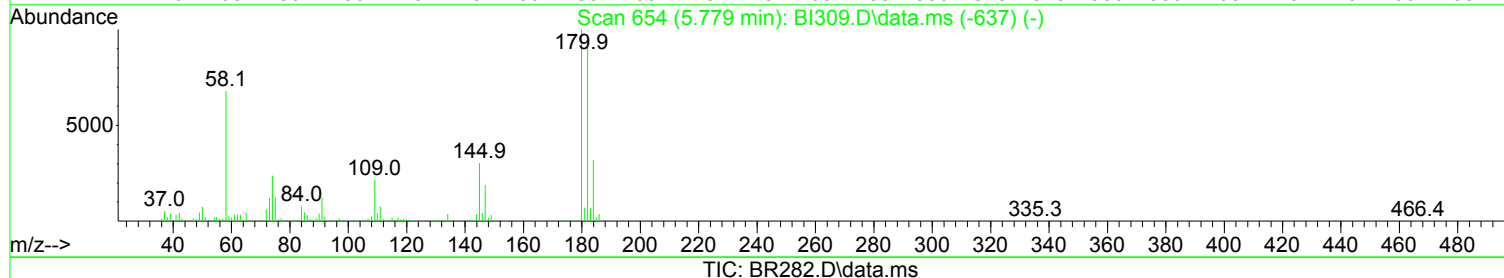
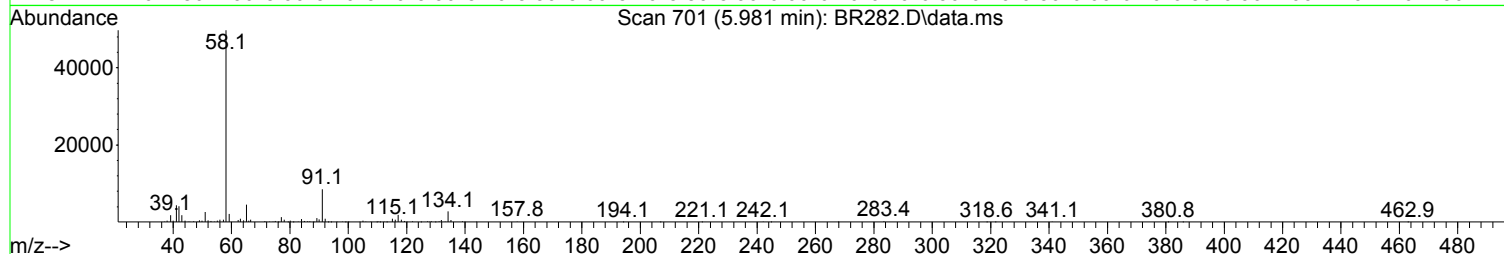
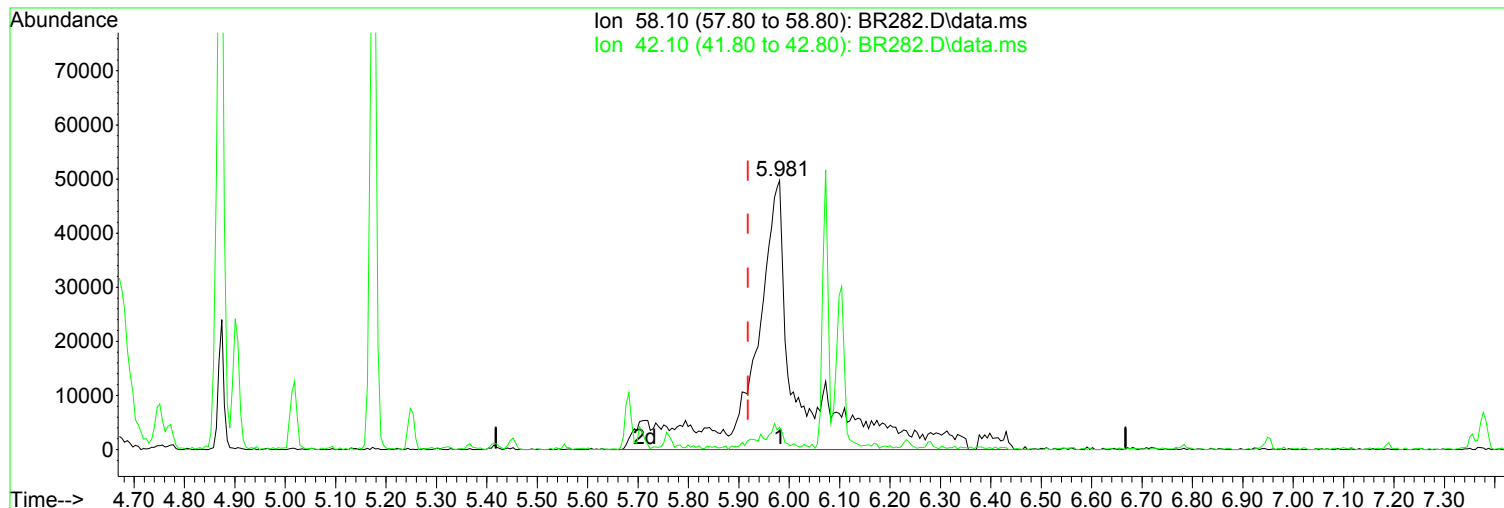
response 36321

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	49.70
319.10	17.60	21.81
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR282.D
Acq On : 14 Mar 2019 3:37 pm
Operator : J.Misiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.981min (+ 0.063) 50.52 ppm m

After

response 321811

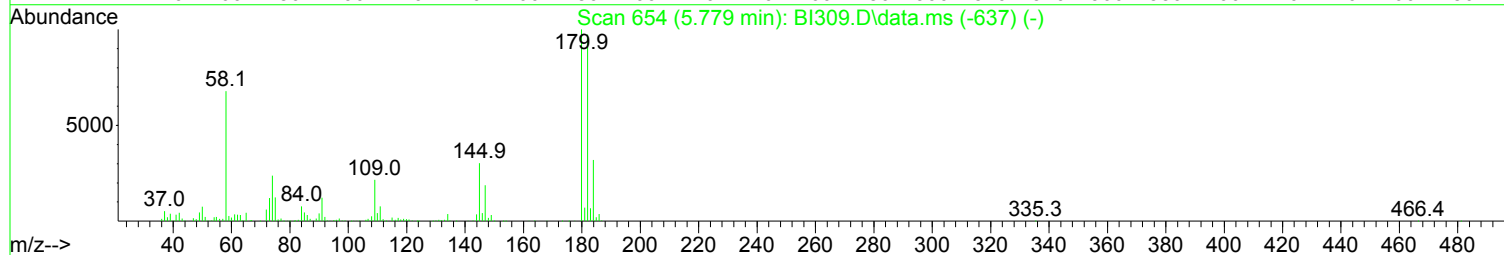
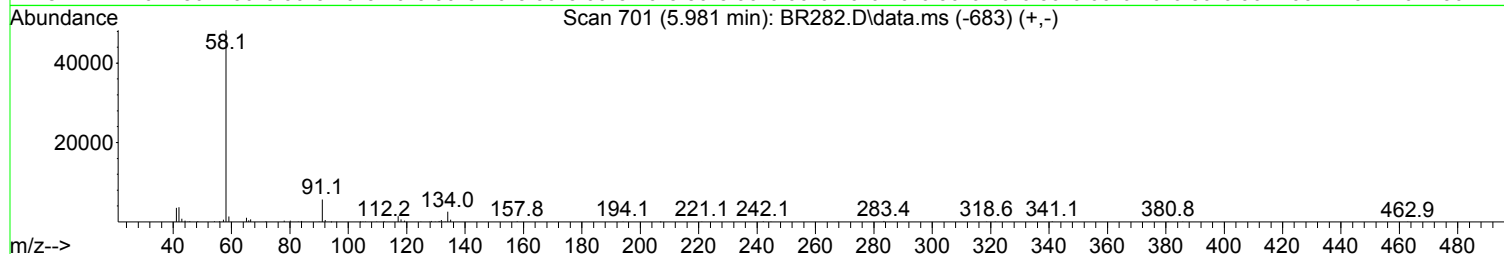
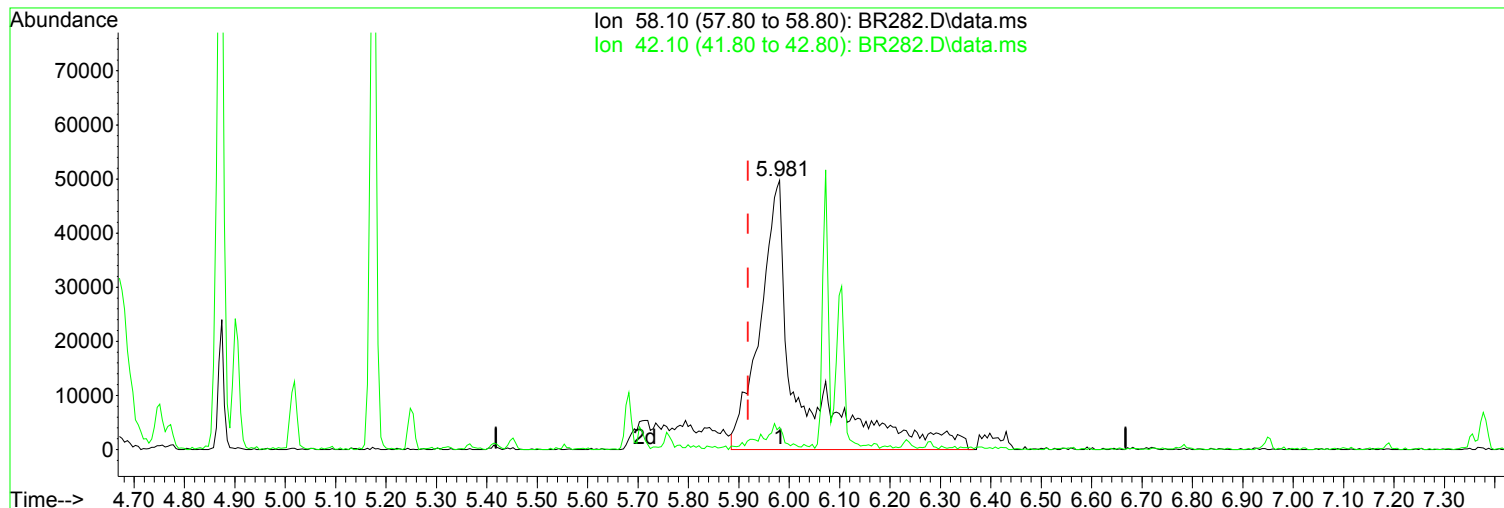
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.31
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
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Response via : Initial Calibration



TIC: BR282.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.981min (+ 0.063) 41.42 ppm

Before

response 263872

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	7.74
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
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 Misc : Initial Calibration 8270D/625
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	85872	40.00	ppm	0.00	
33) d8-Naphthalene	5.681	136	328450	40.00	ppm	0.00	
57) d10-Acenaphthene	7.377	164	186040	40.00	ppm	0.00	
91) d10-Phenanthrene	8.842	188	325947	40.00	ppm	0.00	
117) d12-Chrysene	11.955	240	353514	40.00	ppm	0.00	
135) d12-Perylene	14.747	264	372470	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	151145	50.03	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	25.01%	
12) SURR2,PHENOL-D6	4.200	99	192374	51.32	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	25.66%	
34) SURR4,NITROBENZENE-D5	5.018	82	164639	48.65	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	48.65%	
63) SURR5,2-FLUOROBIPHENYL	6.719	172	364731	50.02	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	50.02%	
88) SURR3,2,4,6-TRIBROMOPH...	8.158	330	67816	50.30	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	25.15%#	
124) SURR6,TERPHENYL-D14	10.474	244	457938	51.73	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	51.73%	
Target Compounds							
							Qvalue
2) Pyridine	2.376	79	145737	51.123	ppm		92
3) N-Nitrosodimethylamine	2.344	74	88646	51.134	ppm		84
4) 2-Picoline	2.970	93	149711	50.618	ppm		97
5) N-Nitrosomethylamine	3.055	42	66779	45.703	ppm		92
6) Methyl Methansulfonate	3.301	80	67252	49.264	ppm		99
8) N-Nitrosodiethylamine	3.611	102	68357	50.501	ppm		99
9) Ethyl Mathanesulfonate	3.863	79	127473	50.705	ppm		93
10) Benzaldehyde	4.146	106	91491	50.605	ppm		97
11) Aniline	4.232	93	254465	50.732	ppm		93
13) Phenol	4.210	94	189626	48.688	ppm		92
14) bis(2-Clethyl)Ether	4.285	93	131141	50.345	ppm		96
15) Pentachloroethane	4.275	117	61219	48.518	ppm		96
16) 2-Chlorophenol	4.339	128	161367	49.036	ppm		95
17) 1,3-Diclbzene	4.467	146	184847	50.739	ppm		98
18) 1,4-Dichlorobenzene	4.531	146	184491	49.788	ppm		99
19) 1,2-Diclbzene	4.665	146	175002	48.989	ppm		96
20) Benzyl Alcohol	4.638	79	125185	51.155	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.670	99	102857	50.640	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.751	45	132764	49.168	ppm	#	80
23) 2-Methylphenol	4.751	108	147321	51.588	ppm		97
24) 3+4-Methylphenol	4.884	108	164667	49.807	ppm		86
25) Acetophenone	4.874	105	213236	49.114	ppm		86
26) N-Nitroso-Di-n-propyla...	4.874	70	116406	51.195	ppm		97
27) N-Nitrosopyrrolidine	4.868	100	79863	49.773	ppm		88
28) N-Nitrosomorpholine	4.900	56	81524	48.271	ppm		95
29) o-Toluidine	4.906	106	235866	50.413	ppm		90
30) Hexachloroethane	4.965	117	74068	49.892	ppm		95
31) o,o,o-Triethylphosphor...	5.419	198	79054	49.343	ppm		99
32) Alpha-terpinol	5.708	121	55962	49.046	ppm		96
35) Nitrobenzene	5.034	77	168671	48.964	ppm		91
36) N-Nitrosopiperidine	5.173	42	96009	49.070	ppm		94
37) Isophorone	5.248	82	297978	51.127	ppm		98
38) 2-Nitrophenol	5.323	139	92328	50.838	ppm		90

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 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.457	105	94728	47.530	ppm	97
40) 2,4-Dimethylphenol	5.366	107	167788	50.789	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.451	93	166326	47.875	ppm	99
42) 2,4-Dichlorophenol	5.553	162	142456	51.306	ppm	96
43) a,a-Dimethylphenethyla...	5.981	58	321811m	50.518	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	155416	49.765	ppm	100
45) Naphthalene	5.703	128	485455	49.792	ppm	99
46) 4-Chloroaniline	5.762	127	193406	48.859	ppm	98
47) 2,6-Dichlorophenol	5.762	162	147302	50.117	ppm	93
48) Hexachlorobutadiene	5.810	225	94761	49.136	ppm	97
49) Hexachloropropene	5.778	213	121065	47.894	ppm	97
50) 4-Chloro-3-methylphenol	6.232	107	134843	50.568	ppm	99
51) N-N-di-n-butylamine	6.072	84	108646	45.399	ppm	98
52) Caprolactam	6.104	113	46371	50.476	ppm	88
53) p-Phenylenediamine	6.115	80	29603	56.623	ppm	95
54) Safrole	6.280	162	126378	49.611	ppm	94
55) 2-Methylnaphthalene	6.366	142	325438	48.893	ppm	99
56) 1-Methylnaphthalene	6.457	142	304356	48.518	ppm	98
58) Hexachlorocyclopentadiene	6.505	237	93784	50.568	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.521	216	163613	49.710	ppm	97
60) 1,2,3,4-Tetrachloroben...	6.799	216	168215	48.982	ppm	96
61) 2,4,6-Trichlorophenol	6.644	196	102053	51.978	ppm	99
62) 2,4,5-Trichlorophenol	6.687	196	111133	51.661	ppm	95
64) Isosafrole	6.783	104	64929	52.553	ppm	# 52
65) 1,1'-Biphenyl	6.821	154	411872	49.207	ppm	98
66) 2-Chloronaphthalene	6.837	162	310663	50.618	ppm	95
67) 2-Nitroaniline	6.949	65	82537	50.539	ppm	98
68) 1,4-Naphthoquinone	7.024	158	96041	54.547	ppm	100
69) m-Dinitrobenzene	7.168	168	56788	51.375	ppm	89
70) Acenaphthylene	7.243	152	504841	51.068	ppm	98
71) Dimethyl phthalate	7.126	163	369226	49.682	ppm	98
72) 2,6-Dinitrotoluene	7.190	165	81125	50.734	ppm	90
73) Acenaphthene	7.409	153	347678	50.314	ppm	96
74) 3-Nitroaniline	7.356	138	89204	50.659	ppm	98
75) 2,4-Dinitrophenol	7.462	184	40714	49.301	ppm	86
76) Dibenzofuran	7.580	168	467350	51.817	ppm	99
77) 2,4-Dinitrotoluene	7.585	165	111984	49.579	ppm	89
78) 4-Nitrophenol	7.548	65	61969	54.136	ppm	# 71
79) Pentachlorobenzene	7.537	250	162283	51.077	ppm	99
80) 1-Naphthylamine	7.666	143	216457	49.693	ppm	98
81) 2-Naphthylamine	7.746	143	273326	50.535	ppm	95
82) 2,3,4,6-Tetrachlorophenol	7.709	232	89775	49.665	ppm	95
83) Fluorene	7.917	166	377459	51.649	ppm	97
84) 4-Chlorophenyl-phenyle...	7.917	204	168439	51.157	ppm	92
85) Diethylphthalate	7.815	149	384119	49.134	ppm	97
86) 4-Nitroaniline	7.960	138	97026	53.538	ppm	93
87) 5-Nitro-o-toluidine	7.944	152	109486	53.308	ppm	91
89) Sulfotepp	8.195	322	55441	49.403	ppm	91
90) Octachlorocyclopentene	8.158	307	75403	50.816	ppm	97
92) Thionazin	7.890	107	57566	51.953	ppm	95
93) 4,6-Dinitro-2-methylph...	7.981	198	66581	49.721	ppm	92
94) Diphenylamine	8.040	169	555575	101.274	ppm	99
95) 1,2 Diphenylhydrazine	8.078	77	365309	52.077	ppm	96
96) N-Nitrosodiphenylamine	8.040	169	555575	101.266	ppm	99
97) 1,3,5-Trinitrobenzene	8.345	213	32292	49.094	ppm	73
98) Diallate	8.318	86	125324	49.293	ppm	98

Data Path : I:\ACQUDATA\5973D\Data\031419\
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 Acq On : 14 Mar 2019 3:37 pm
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 ALS Vial : 8 Sample Multiplier: 1

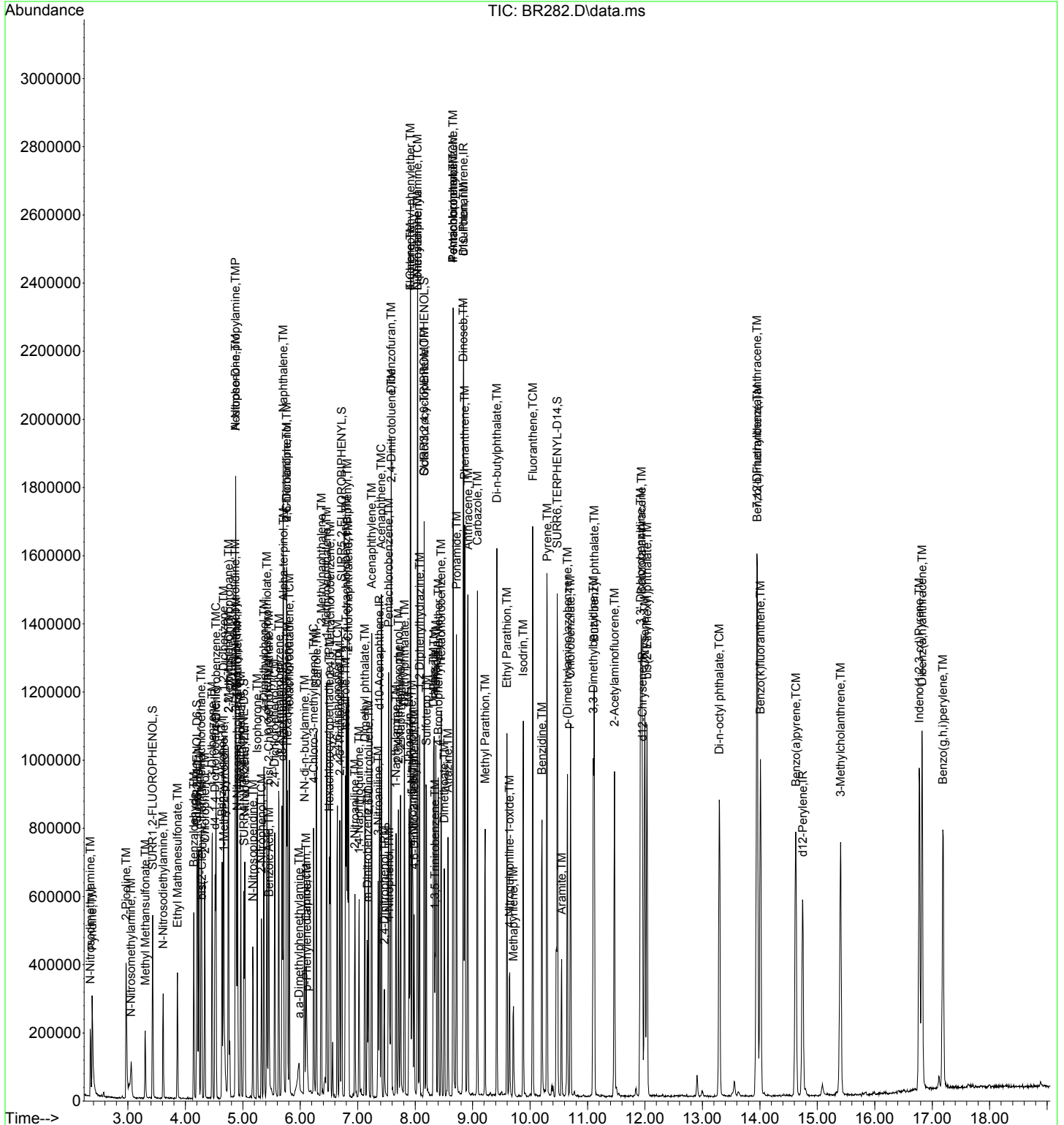
Quant Time: Apr 11 10:30:55 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.329	121	66020	50.520	ppm	97
100) Phenacetin	8.361	108	184642	53.688	ppm	94
101) 4-Bromophenyl-phenylether	8.404	248	105002	51.486	ppm	91
102) Hexachlorobenzene	8.452	284	128921	49.702	ppm	93
103) Dimethoate	8.505	87	115541	54.253	ppm	98
104) Atrazine	8.570	215	37278	52.955	ppm #	85
105) Pentachlorophenol	8.661	266	71300	50.270	ppm	98
106) 4-Aminobiphenyl	8.661	169	274532	51.398	ppm	99
107) Pentachloronitrobenzene	8.661	237	58186	52.714	ppm	95
108) Pronamide	8.719	173	189491	52.884	ppm	97
109) Dinoseb	8.837	211	93647	49.457	ppm	97
110) Disulfoton	8.842	88	165422	46.449	ppm	90
111) Phenanthrene	8.864	178	532712	50.418	ppm	99
112) Anthracene	8.917	178	532438	51.325	ppm	99
113) Carbazole	9.083	167	515706	52.444	ppm	98
114) Di-n-butylphthalate	9.420	149	714365	54.083	ppm	98
115) 4-Nitroquinonline-1-oxide	9.645	190	37442	51.250	ppm	95
116) Fluoranthene	10.046	202	623625	53.772	ppm	98
118) Methyl Parathion	9.217	109	116090	57.063	ppm	92
119) Ethyl Parathion	9.597	97	88184	50.951	ppm	99
120) Methapyrilene	9.709	58	69913	49.120	ppm	99
121) Isodrin	9.880	193	60023	49.693	ppm	99
122) Benzidine	10.206	184	321439	52.734	ppm	97
123) Pyrene	10.297	202	644525	51.930	ppm	99
125) Aramite	10.549	185	68411m	53.046	ppm	
126) p-(Dimethylamino)azobe...	10.650	120	163171	53.473	ppm	91
127) Chlorobenzilate	10.704	139	203099	52.428	ppm	91
128) Butyl benzyl phthalate	11.116	149	320976	51.546	ppm	98
129) 3,3-Dimethylbenzidine	11.100	212	352737	52.951	ppm	97
130) 2-Acetylaminofluorene	11.469	181	258324	52.769	ppm	97
131) 3,3'-Dichlorobenzidine	11.923	252	248636	52.656	ppm	97
132) Benzo(a)anthracene	11.939	228	604115	51.352	ppm	99
133) Chrysene	11.998	228	559876	50.139	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.036	149	460752	53.125	ppm	99
136) Di-n-octyl phthalate	13.293	149	778578	51.827	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.950	256	287077	51.046	ppm	98
138) Benzo(b)Fluoranthene	13.956	252	654477	50.729	ppm	99
139) Benzo(k)fluoranthene	14.009	252	624522	51.860	ppm	96
140) Benzo(a)pyrene	14.624	252	561510	52.235	ppm	96
141) 3-Methylcholanthrene	15.405	268	328401	52.357	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.774	276	573370	52.133	ppm	97
143) Dibenz(a,h)anthracene	16.823	278	619576	52.885	ppm	99
144) Benzo(g,h,i)perylene	17.186	276	512507	52.978	ppm	99

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

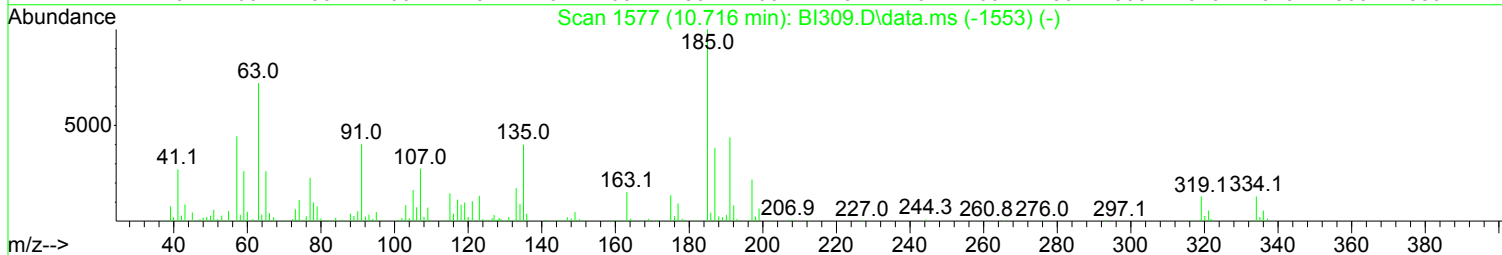
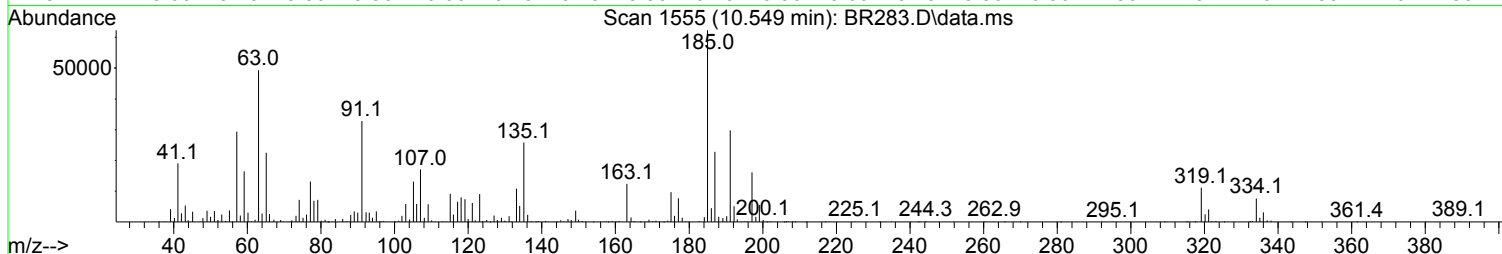
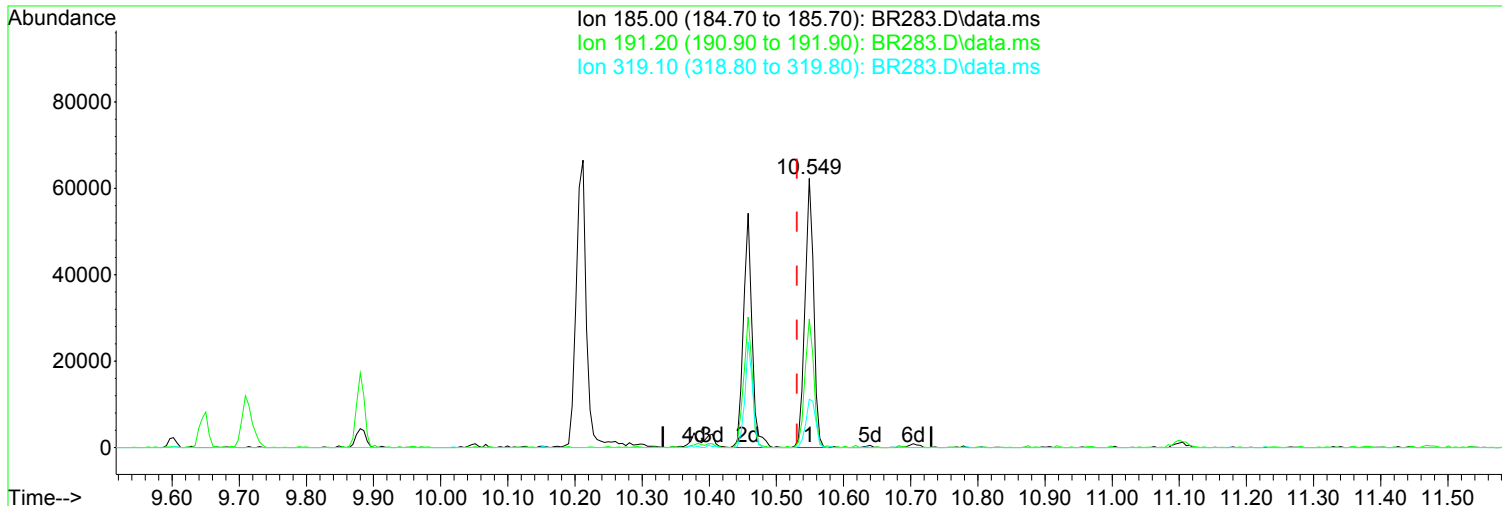
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Sample : 50 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 10:30:55 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 82.59 ppm m

After

response 104833

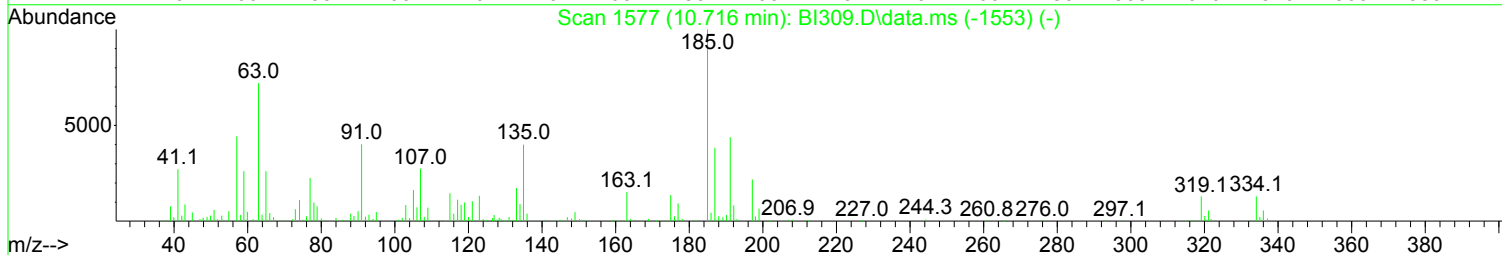
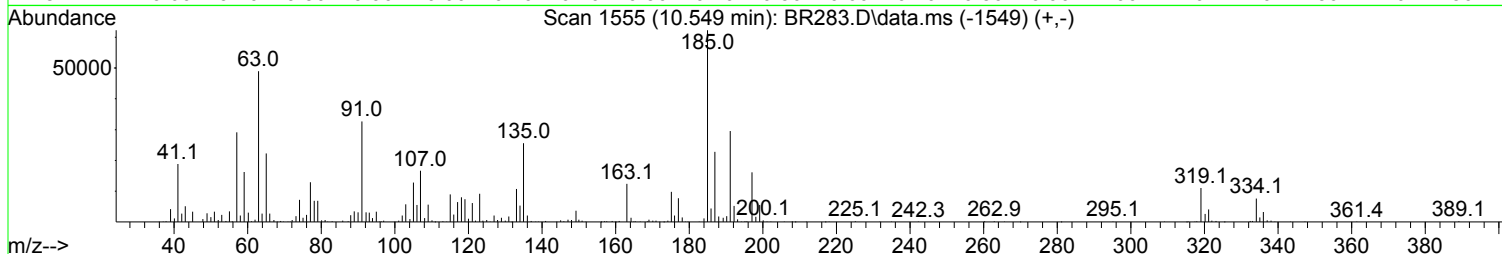
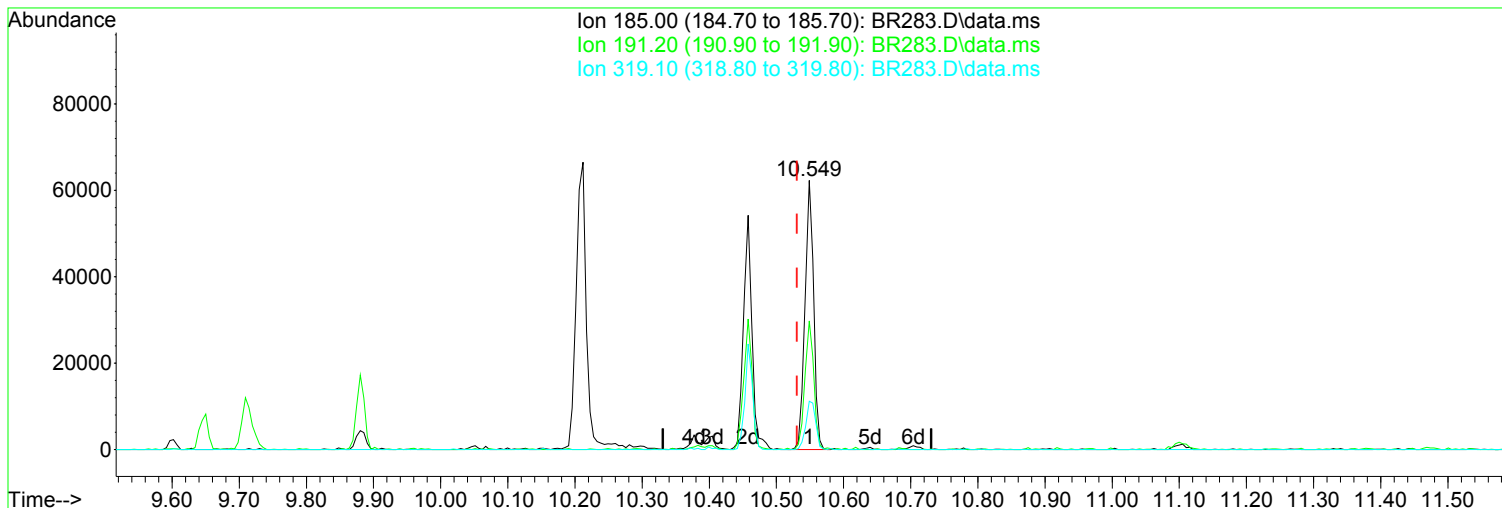
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.78
319.10	17.60	17.93
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR283.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 43.82 ppm

Before

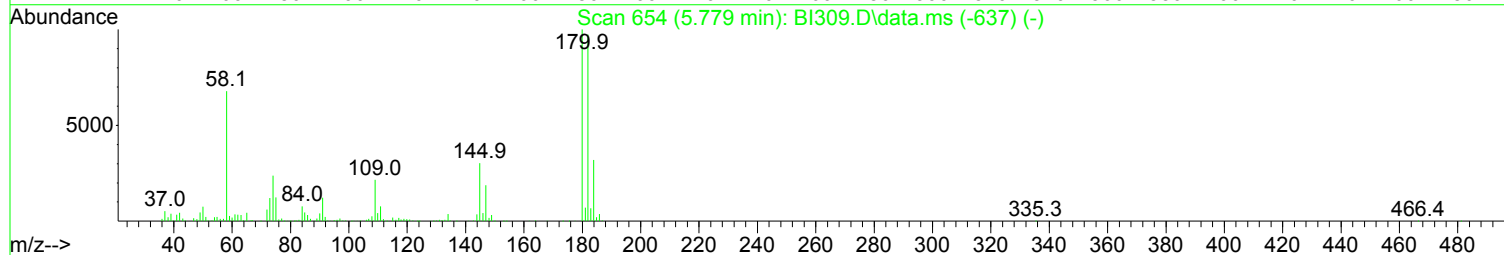
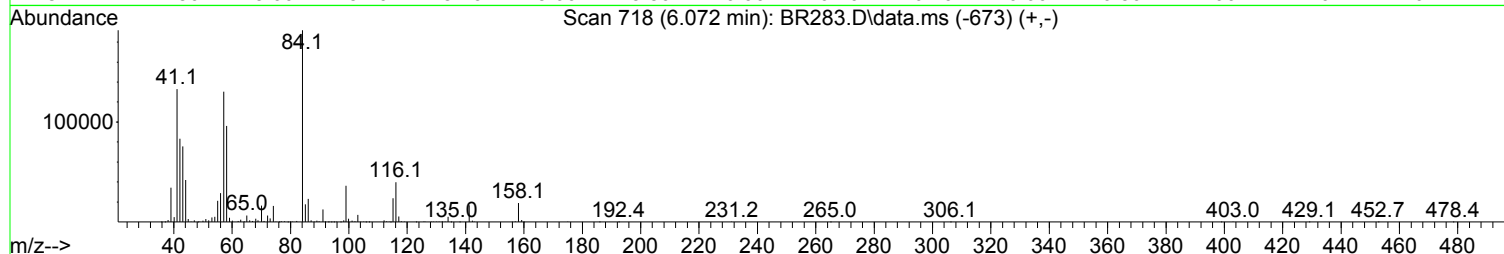
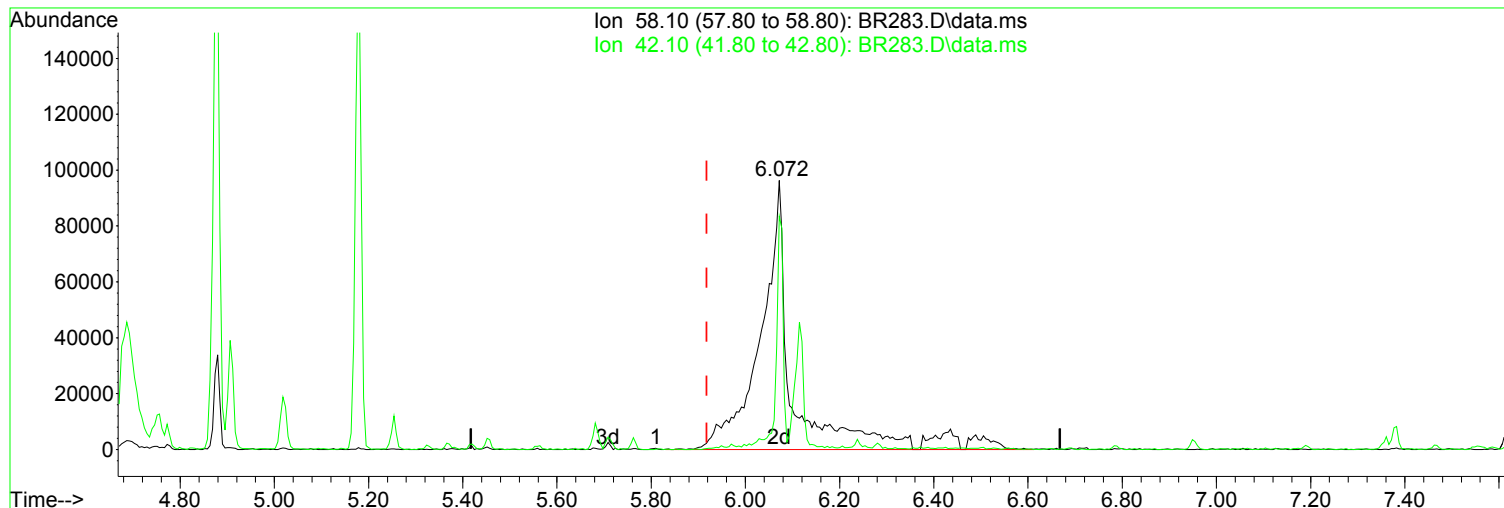
response 55622

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.40
319.10	17.60	17.73
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR283.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.072min (+ 0.154) 74.18 ppm m

After

response 466466

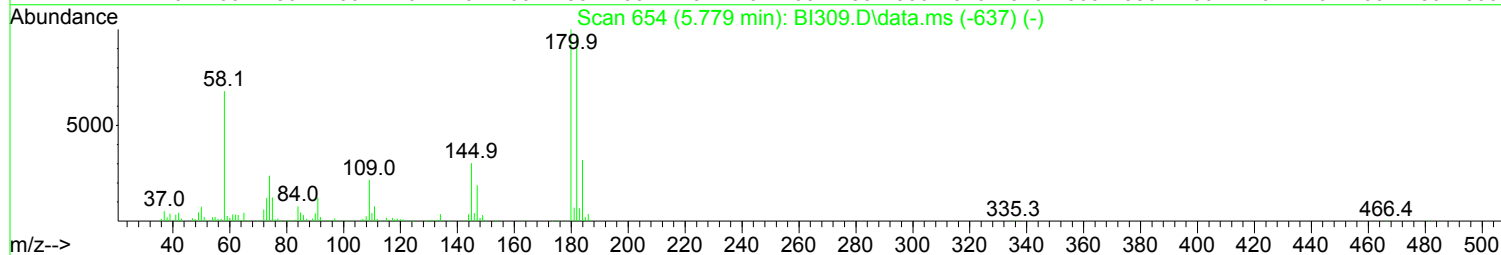
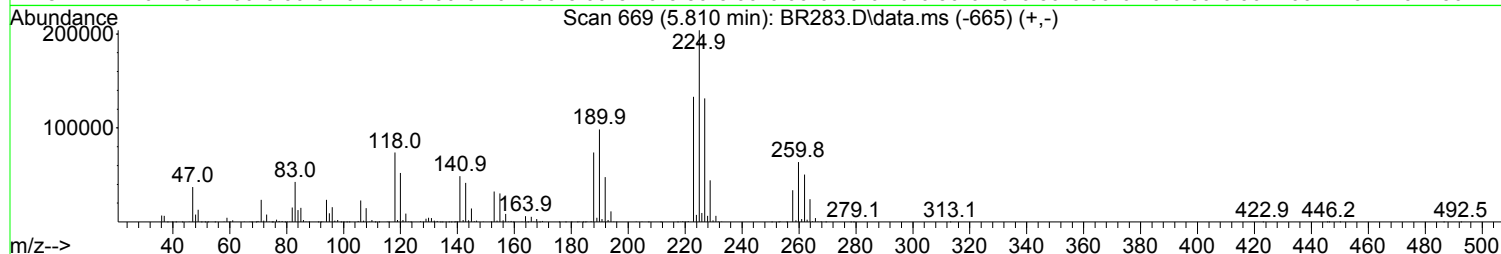
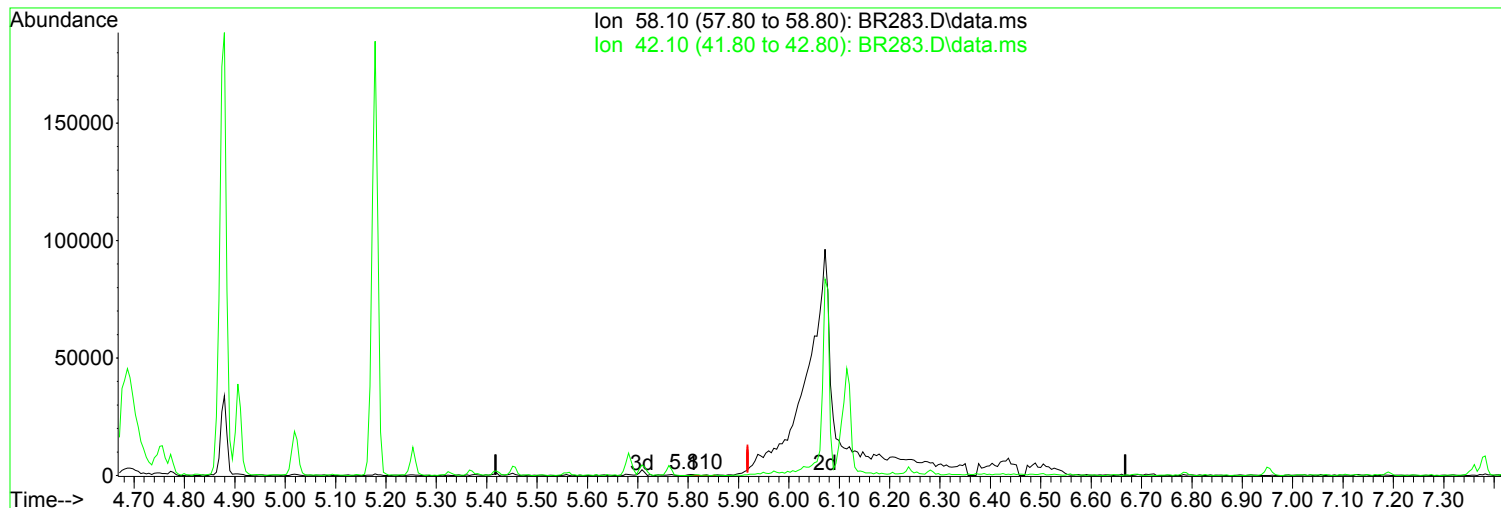
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	86.74#
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.810min (-0.108) 0.08 ppm

Before

response

481

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR283.D
 Acq On : 14 Mar 2019 4:06 pm
 Operator : J.Misiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	84537	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	324210	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	182799	40.00	ppm	0.00
91) d10-Phenanthrene	8.842	188	327731	40.00	ppm	0.00
117) d12-Chrysene	11.955	240	347955	40.00	ppm	0.00
135) d12-Perylene	14.747	264	362141	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	244878	82.34	ppm	0.00
Spiked Amount	200.000	Range	10 - 70	Recovery	=	41.17%
12) SURR2,PHENOL-D6	4.200	99	299943	81.28	ppm	0.00
Spiked Amount	200.000	Range	10 - 107	Recovery	=	40.64%
34) SURR4,NITROBENZENE-D5	5.018	82	268447	80.37	ppm	0.00
Spiked Amount	100.000	Range	31 - 110	Recovery	=	80.37%
63) SURR5,2-FLUOROBIPHENYL	6.724	172	601433	83.94	ppm	0.00
Spiked Amount	100.000	Range	31 - 118	Recovery	=	83.94%
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	111061	83.84	ppm	0.00
Spiked Amount	200.000	Range	35 - 141	Recovery	=	41.92%
124) SURR6,TERPHENYL-D14	10.479	244	709023	81.37	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	81.37%

Target Compounds						Qvalue
2) Pyridine	2.376	79	236081	84.122	ppm	98
3) N-Nitrosodimethylamine	2.344	74	141928	83.162	ppm	90
4) 2-Picoline	2.964	93	242086	83.144	ppm	97
5) N-Nitrosomethylamine	3.055	42	107386	74.654	ppm	98
6) Methyl Methansulfonate	3.301	80	107946	80.322	ppm	97
8) N-Nitrosodiethylamine	3.617	102	113303	85.028	ppm	83
9) Ethyl Mathanesulfonate	3.863	79	199624	80.658	ppm	97
10) Benzaldehyde	4.146	106	146284	82.190	ppm	97
11) Aniline	4.237	93	403990	81.814	ppm	92
13) Phenol	4.211	94	314899	82.130	ppm	80
14) bis(2-Clethyl)Ether	4.285	93	207961	81.097	ppm	94
15) Pentachloroethane	4.275	117	99206	79.865	ppm	91
16) 2-Chlorophenol	4.339	128	261492	80.716	ppm	98
17) 1,3-Diclbzene	4.467	146	289397	80.692	ppm	97
18) 1,4-Dichlorobenzene	4.531	146	290584	79.657	ppm	96
19) 1,2-Diclbzene	4.665	146	284813	80.989	ppm	99
20) Benzyl Alcohol	4.644	79	199850	82.955	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.692	99	164658	82.347	ppm	98
22) 2,2'-oxybis(1-Chloropr...	4.751	45	212985	80.123	ppm	97
23) 2-Methylphenol	4.756	108	231209	82.243	ppm	96
24) 3+4-Methylphenol	4.890	108	274842	84.445	ppm	81
25) Acetophenone	4.879	105	347614	81.329	ppm	84
26) N-Nitroso-Di-n-propyla...	4.879	70	180553	80.661	ppm	90
27) N-Nitrosopyrrolidine	4.879	100	129615	82.055	ppm	93
28) N-Nitrosomorpholine	4.906	56	130263	78.348	ppm	96
29) o-Toluidine	4.911	106	367018	79.684	ppm	70
30) Hexachloroethane	4.965	117	119933	82.063	ppm	97
31) o,o,o-Triethylphosphor...	5.419	198	129112	81.860	ppm	95
32) Alpha-terpinol	5.708	121	94933	84.515	ppm	94
35) Nitrobenzene	5.040	77	275659	81.068	ppm	91
36) N-Nitrosopiperidine	5.179	42	151153	78.264	ppm	94
37) Isophorone	5.254	82	463022	80.485	ppm	99
38) 2-Nitrophenol	5.328	139	143710	80.164	ppm	94

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR283.D
 Acq On : 14 Mar 2019 4:06 pm
 Operator : J.Misiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.478	105	165815	84.287	ppm	92
40) 2,4-Dimethylphenol	5.371	107	263764	80.884	ppm	96
41) bis(-2-Chloroethoxy)Me...	5.451	93	271099	79.053	ppm	98
42) 2,4-Dichlorophenol	5.558	162	226283	82.563	ppm	97
43) a,a-Dimethylphenethyla...	6.072	58	466466m	74.183	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	241377	78.301	ppm	97
45) Naphthalene	5.703	128	766774	79.675	ppm	99
46) 4-Chloroaniline	5.762	127	313497	80.232	ppm	96
47) 2,6-Dichlorophenol	5.767	162	235222	81.077	ppm	96
48) Hexachlorobutadiene	5.810	225	149193	78.372	ppm	100
49) Hexachloropropene	5.778	213	198803	79.676	ppm	99
50) 4-Chloro-3-methylphenol	6.238	107	215147	81.738	ppm	95
51) N-N-di-n-butylamine	6.077	84	173240	73.337	ppm	93
52) Caprolactam	6.120	113	72086	79.494	ppm	83
53) p-Phenylenediamine	6.120	80	40452	78.386	ppm	92
54) Safrole	6.280	162	195092	77.588	ppm	96
55) 2-Methylnaphthalene	6.366	142	518912	78.980	ppm	98
56) 1-Methylnaphthalene	6.462	142	491368	79.355	ppm	98
58) Hexachlorocyclopentadiene	6.510	237	156853	82.062	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.526	216	261368	80.818	ppm	96
60) 1,2,3,4-Tetrachloroben...	6.805	216	275643	81.686	ppm	96
61) 2,4,6-Trichlorophenol	6.644	196	168404	87.292	ppm	97
62) 2,4,5-Trichlorophenol	6.692	196	169532	80.206	ppm	98
64) Isosafrole	6.789	104	101652	83.735	ppm	97
65) 1,1'-Biphenyl	6.821	154	663132	80.630	ppm	100
66) 2-Chloronaphthalene	6.842	162	480874	79.741	ppm	95
67) 2-Nitroaniline	6.954	65	131940	82.221	ppm	96
68) 1,4-Naphthoquinone	7.024	158	145719	84.230	ppm	92
69) m-Dinitrobenzene	7.168	168	93252	85.858	ppm	97
70) Acenaphthylene	7.243	152	799915	82.352	ppm	99
71) Dimethyl phthalate	7.126	163	578357	79.203	ppm	100
72) 2,6-Dinitrotoluene	7.190	165	134089	85.343	ppm	100
73) Acenaphthene	7.414	153	557609	82.124	ppm	99
74) 3-Nitroaniline	7.361	138	145113	83.871	ppm	99
75) 2,4-Dinitrophenol	7.468	184	72577	81.959	ppm	83
76) Dibenzofuran	7.586	168	731453	82.538	ppm	95
77) 2,4-Dinitrotoluene	7.586	165	185961	83.791	ppm	99
78) 4-Nitrophenol	7.548	65	97024	86.263	ppm	# 78
79) Pentachlorobenzene	7.537	250	246730	79.033	ppm	99
80) 1-Naphthylamine	7.671	143	342578	80.041	ppm	95
81) 2-Naphthylamine	7.746	143	430675	81.038	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.709	232	146465	82.463	ppm	94
83) Fluorene	7.922	166	576684	80.309	ppm	99
84) 4-Chlorophenyl-phenyle...	7.922	204	258565	79.922	ppm	98
85) Diethylphthalate	7.816	149	618091	80.463	ppm	98
86) 4-Nitroaniline	7.965	138	150198	84.347	ppm	98
87) 5-Nitro-o-toluidine	7.949	152	170358	84.417	ppm	94
89) Sulfotepp	8.195	322	88337	80.111	ppm	92
90) Octachlorocyclopentene	8.158	307	124030	85.069	ppm	97
92) Thionazin	7.896	107	91284	81.934	ppm	96
93) 4,6-Dinitro-2-methylph...	7.987	198	112937	83.879	ppm	95
94) Diphenylamine	8.046	169	887614	160.920	ppm	99
95) 1,2 Diphenylhydrazine	8.078	77	561995	79.680	ppm	98
96) N-Nitrosodiphenylamine	8.046	169	887614	160.907	ppm	99
97) 1,3,5-Trinitrobenzene	8.350	213	56386	85.258	ppm	69
98) Diallate	8.318	86	202099	79.058	ppm	96

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

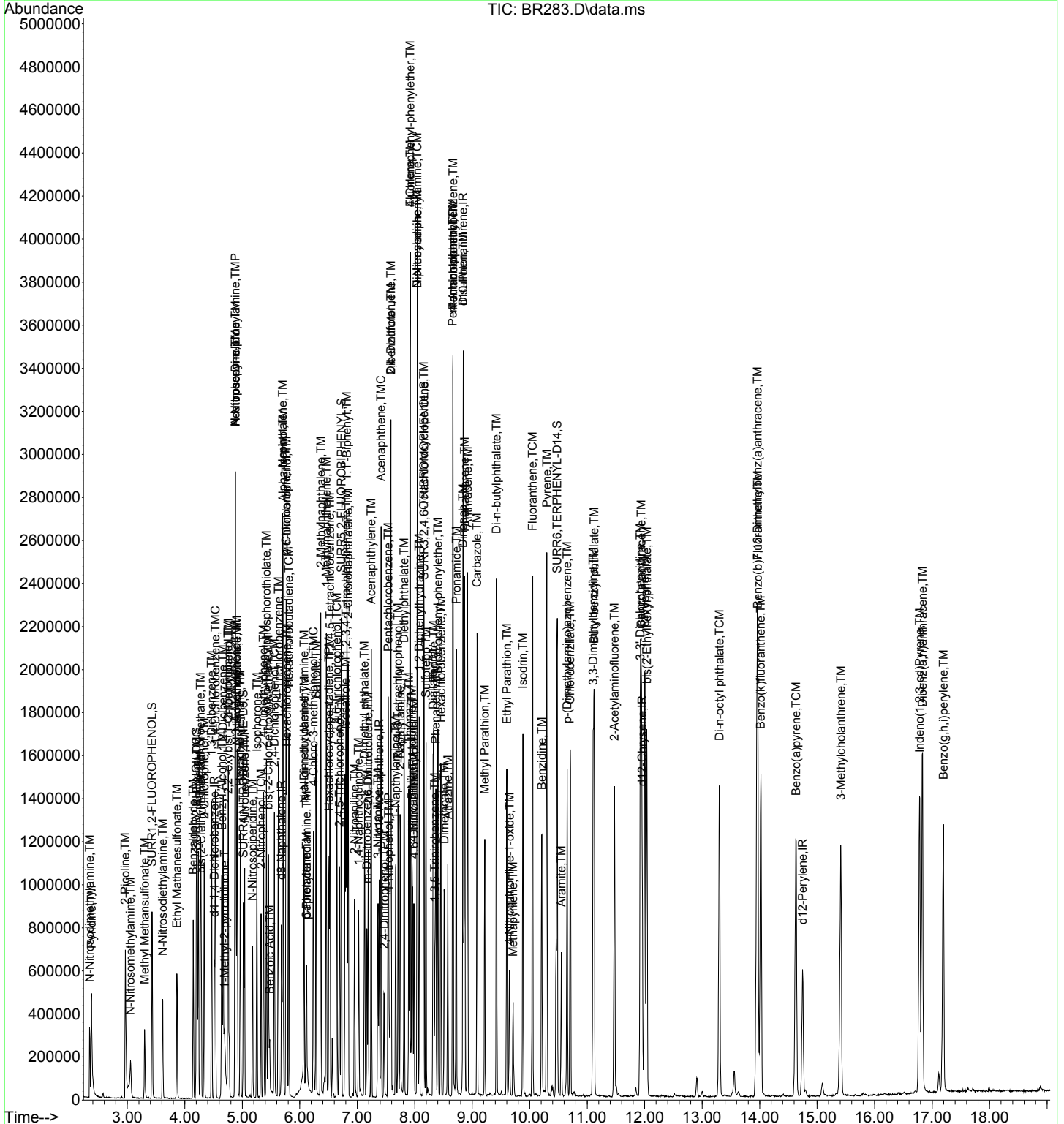
Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.329	121	106830	81.304	ppm	96
100) Phenacetin	8.366	108	304353	88.014	ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	165455	80.686	ppm	92
102) Hexachlorobenzene	8.457	284	199463	76.478	ppm	98
103) Dimethoate	8.511	87	171219	79.960	ppm	97
104) Atrazine	8.575	215	54712	77.298	ppm	96
105) Pentachlorophenol	8.661	266	119644	83.896	ppm	97
106) 4-Aminobiphenyl	8.666	169	463094	86.228	ppm	98
107) Pentachloronitrobenzene	8.666	237	93087	83.873	ppm	95
108) Pronamide	8.725	173	313455	87.005	ppm	95
109) Dinoseb	8.837	211	161890	85.032	ppm	98
110) Disulfoton	8.842	88	267267	74.638	ppm	93
111) Phenanthrene	8.869	178	855570	80.533	ppm	98
112) Anthracene	8.917	178	851116	81.597	ppm	99
113) Carbazole	9.083	167	824479	83.388	ppm	99
114) Di-n-butylphthalate	9.420	149	1142386	86.017	ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	61925	84.300	ppm	92
116) Fluoranthene	10.051	202	981890	84.203	ppm	98
118) Methyl Parathion	9.217	109	171536	85.665	ppm	97
119) Ethyl Parathion	9.602	97	148175	86.981	ppm	98
120) Methapyrilene	9.709	58	116023	82.819	ppm	99
121) Isodrin	9.880	193	96981	81.573	ppm	98
122) Benzidine	10.212	184	511272	85.217	ppm	98
123) Pyrene	10.297	202	1030744	84.375	ppm	99
125) Aramite	10.549	185	104833m	82.587	ppm	
126) p-(Dimethylamino)azobe...	10.650	120	262470	87.389	ppm	97
127) Chlorobenzilate	10.704	139	325337	85.324	ppm	97
128) Butyl benzyl phthalate	11.121	149	515688	84.138	ppm	99
129) 3,3-Dimethylbenzidine	11.105	212	565806	86.293	ppm	99
130) 2-Acetylaminofluorene	11.474	181	418610	86.877	ppm	99
131) 3,3'-Dichlorobenzidine	11.923	252	395703	85.140	ppm	98
132) Benzo(a)anthracene	11.939	228	955833	82.547	ppm	99
133) Chrysene	12.004	228	891288	81.093	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.036	149	734713	86.066	ppm	95
136) Di-n-octyl phthalate	13.298	149	1242552	85.071	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.961	256	461526	84.405	ppm	97
138) Benzo(b)Fluoranthene	13.966	252	1044537	83.272	ppm	98
139) Benzo(k)fluoranthene	14.020	252	958102	81.829	ppm	96
140) Benzo(a)pyrene	14.635	252	887654	84.930	ppm	98
141) 3-Methylcholanthrene	15.411	268	513112	84.138	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.785	276	894878	83.687	ppm	96
143) Dibenz(a,h)anthracene	16.833	278	952659	83.635	ppm	97
144) Benzo(g,h,i)perylene	17.197	276	766458	81.488	ppm	98

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

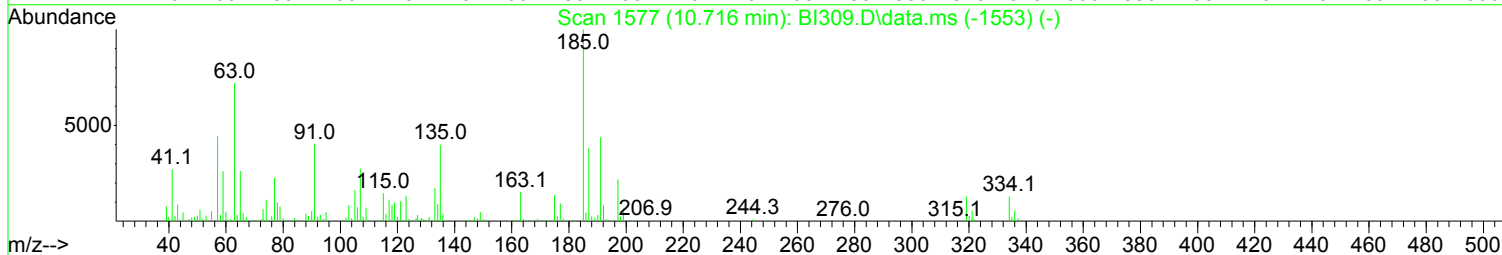
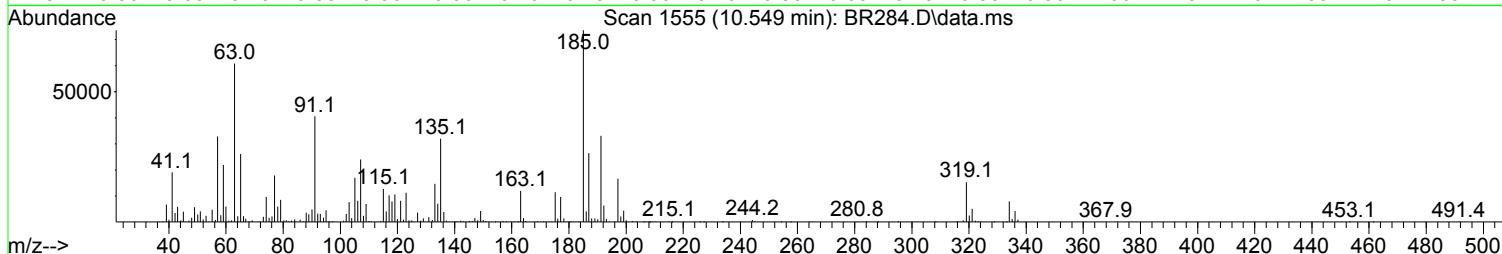
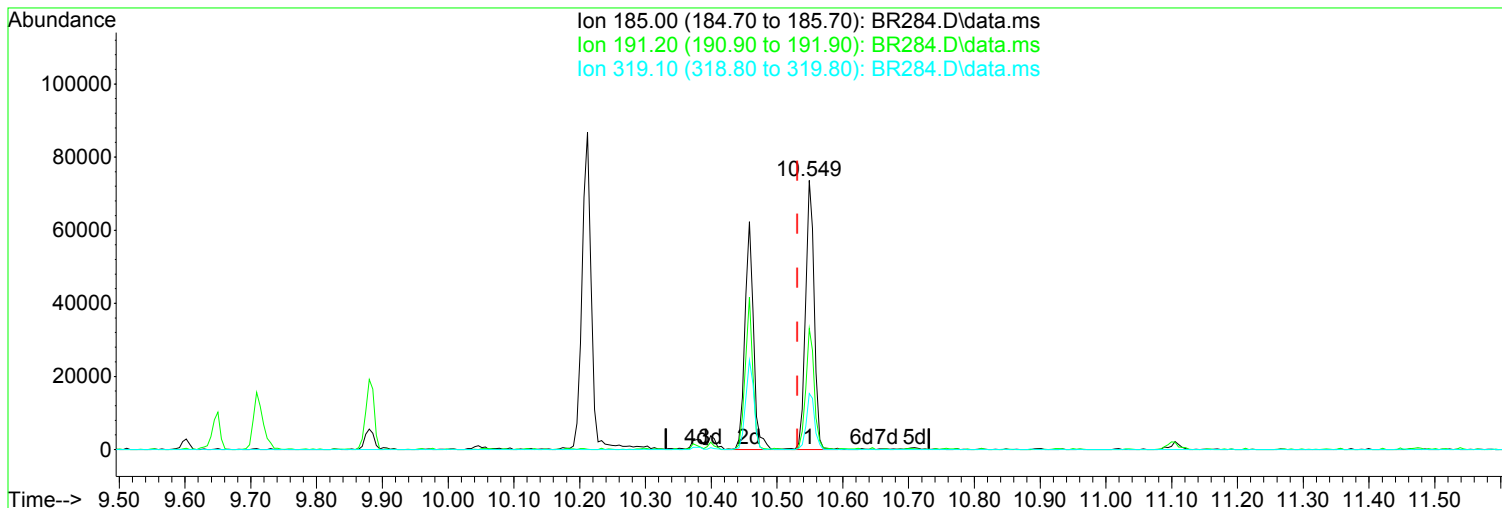
Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR283.D
Acq On : 14 Mar 2019 4:06 pm
Operator : J.Misiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 10:31:01 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR284.D
 Acq On : 14 Mar 2019 4:34 pm
 Operator : J.Misiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 99.57 ppm m

After

response 125765

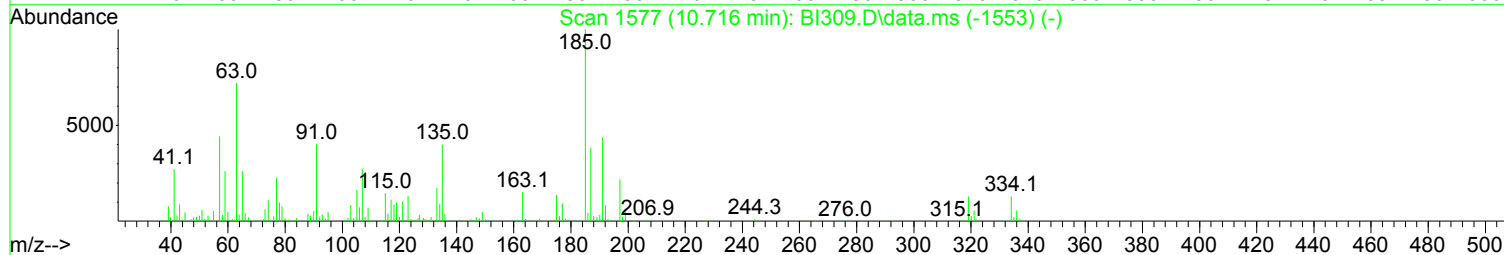
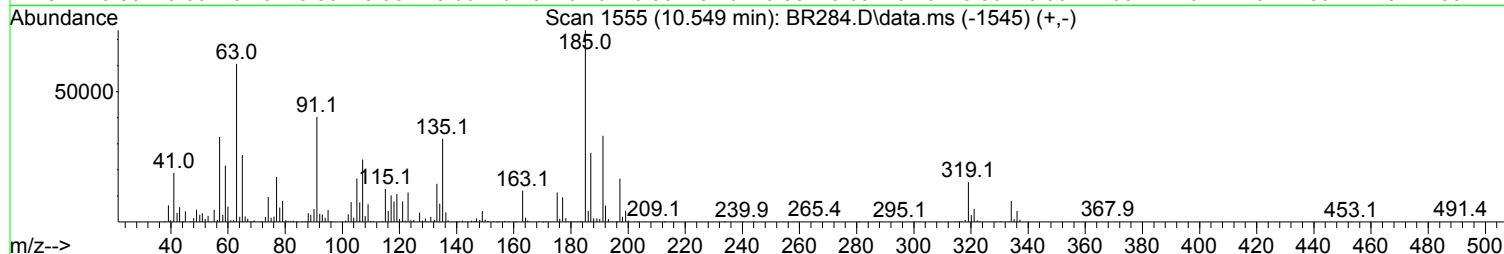
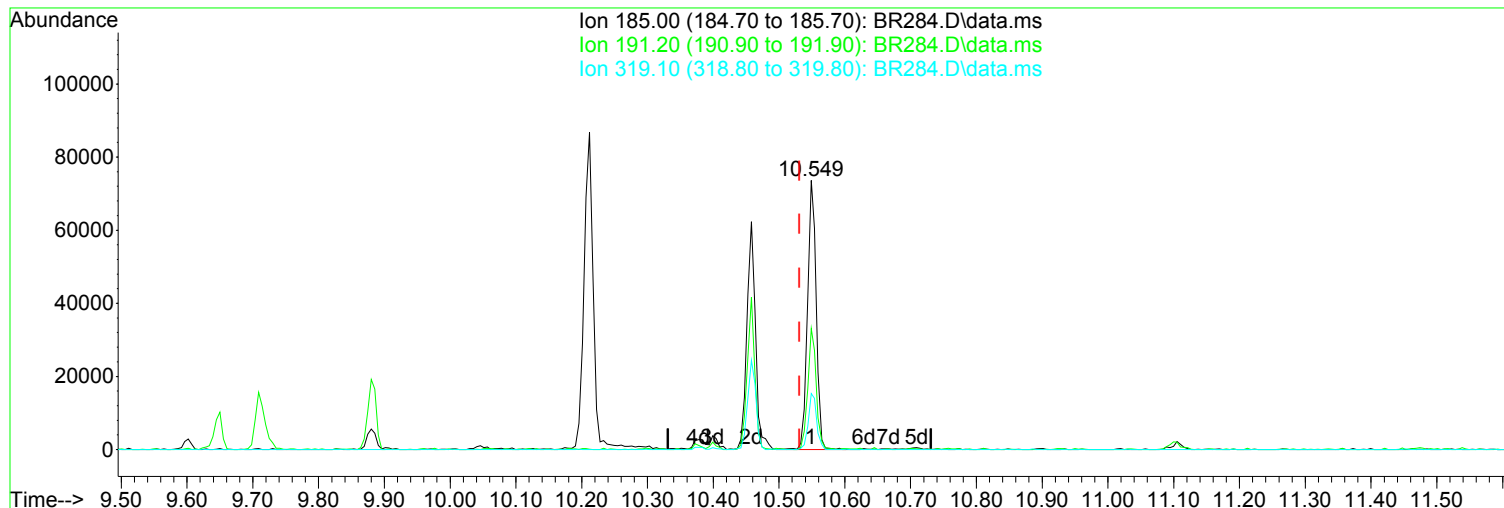
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	44.97
319.10	17.60	20.85
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR284.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.018) 54.46 ppm

Before

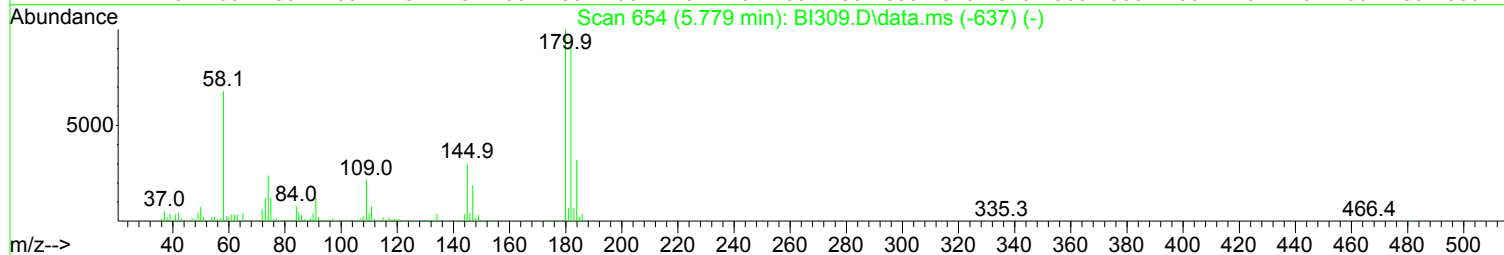
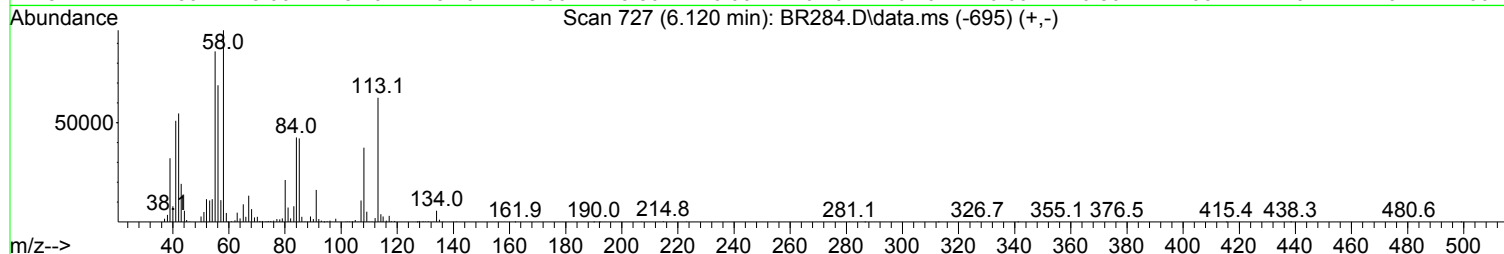
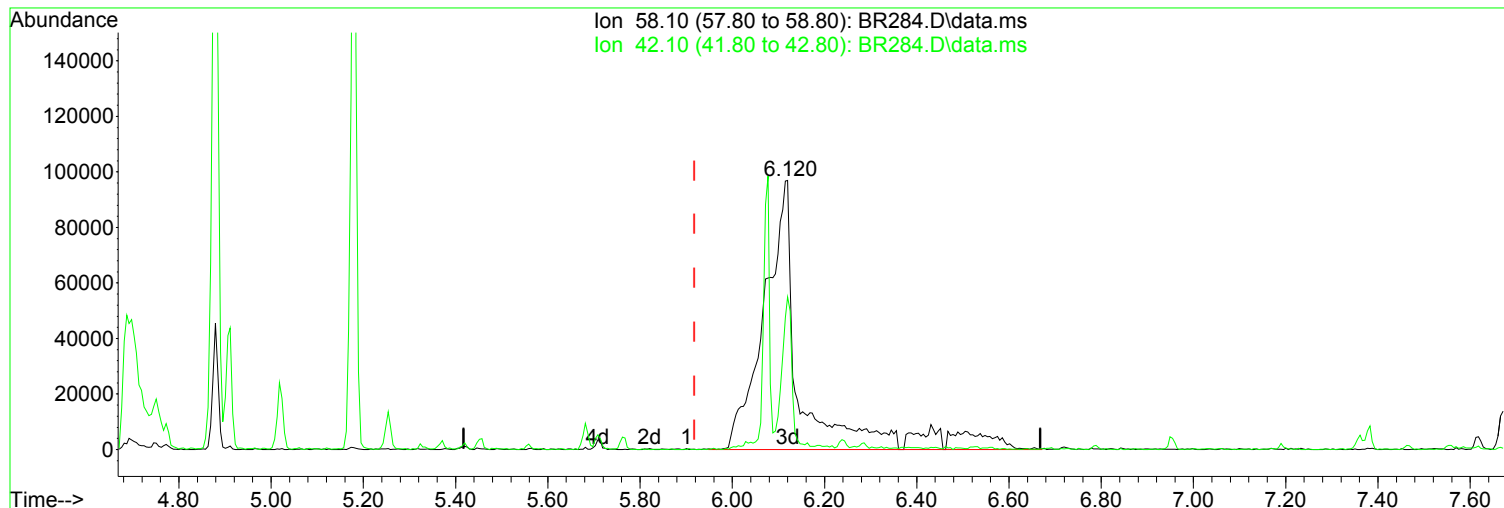
response 68794

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	44.54
319.10	17.60	20.80
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR284.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.120min (+ 0.202) 91.49 ppm m

After

response 558418

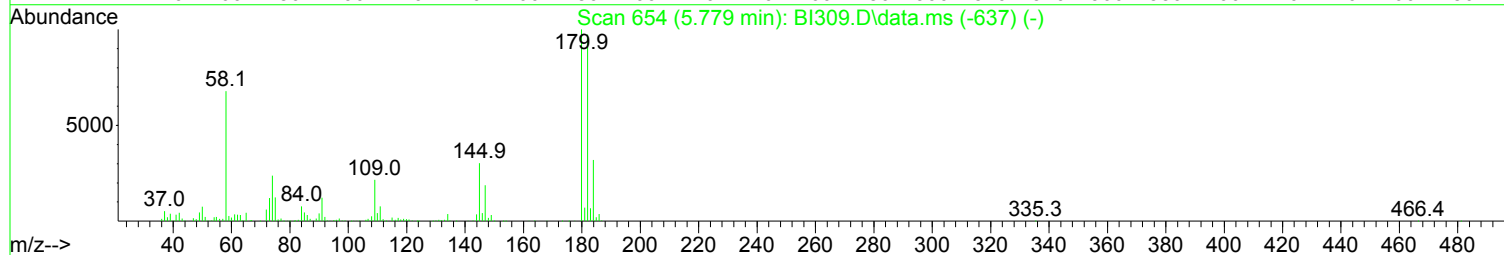
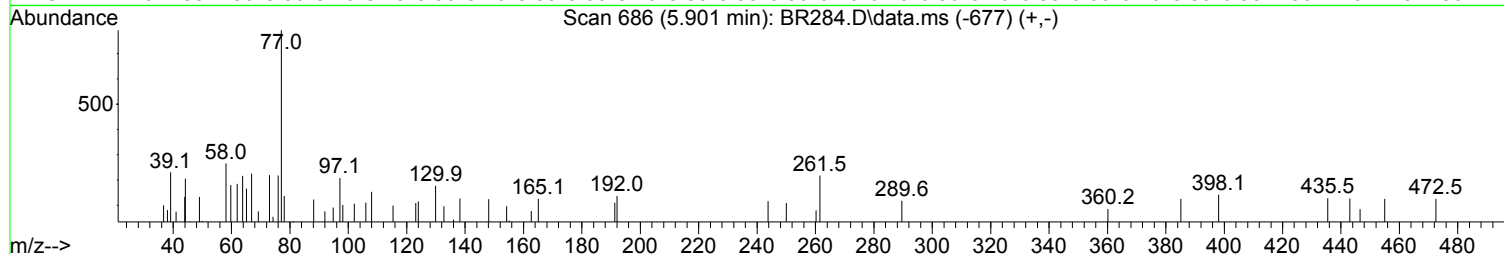
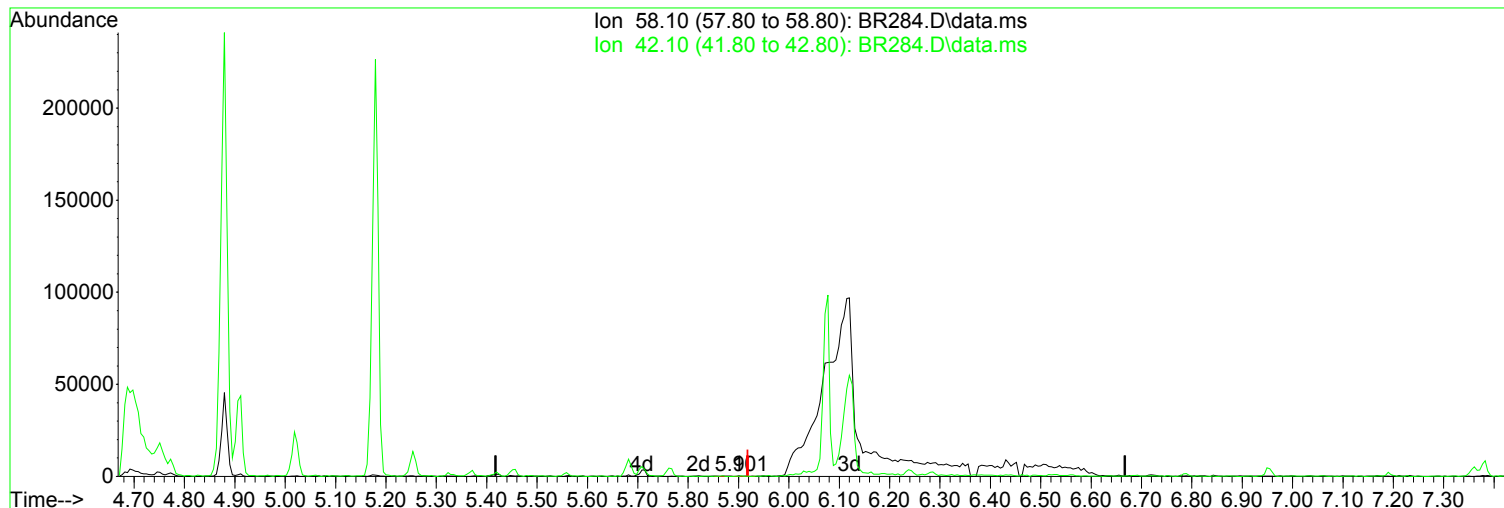
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	56.72#
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR284.D
Acq On : 14 Mar 2019 4:34 pm
Operator : J.Misiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR284.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.901min (-0.017) 0.07 ppm

Before

response 443

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR284.D
 Acq On : 14 Mar 2019 4:34 pm
 Operator : J.Misiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.515	152	83743	40.00	ppm	0.00	
33) d8-Naphthalene	5.681	136	314705	40.00	ppm	0.00	
57) d10-Acenaphthene	7.382	164	182443	40.00	ppm	0.00	
91) d10-Phenanthrene	8.843	188	322746	40.00	ppm	0.00	
117) d12-Chrysene	11.961	240	346237	40.00	ppm	0.00	
135) d12-Perylene	14.747	264	353039	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.430	112	301073	102.19	ppm	0.00	
Spiked Amount	200.000	Range	10 - 70	Recovery	=	51.09%	
12) SURR2,PHENOL-D6	4.200	99	375001	102.58	ppm	0.00	
Spiked Amount	200.000	Range	10 - 107	Recovery	=	51.29%	
34) SURR4,NITROBENZENE-D5	5.018	82	322111	99.35	ppm	0.00	
Spiked Amount	100.000	Range	31 - 110	Recovery	=	99.35%	
63) SURR5,2-FLUOROBIPHENYL	6.724	172	708398	99.06	ppm	0.00	
Spiked Amount	100.000	Range	31 - 118	Recovery	=	99.06%	
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	133076	100.66	ppm	0.00	
Spiked Amount	200.000	Range	35 - 141	Recovery	=	50.33%	
124) SURR6,TERPHENYL-D14	10.479	244	850886	98.13	ppm	0.00	
Spiked Amount	100.000	Range	10 - 165	Recovery	=	98.13%	
Target Compounds							
							Qvalue
2) Pyridine	2.376	79	288775	103.874	ppm	97	
3) N-Nitrosodimethylamine	2.349	74	171770	101.602	ppm	93	
4) 2-Picoline	2.964	93	299952	103.994	ppm	97	
5) N-Nitrosomethylamine	3.055	42	126070	88.474	ppm	95	
6) Methyl Methansulfonate	3.301	80	136394	102.452	ppm	94	
8) N-Nitrosodiethylamine	3.617	102	133670	101.263	ppm	92	
9) Ethyl Mathanesulfonate	3.863	79	235548	96.075	ppm	93	
10) Benzaldehyde	4.146	106	165208	93.703	ppm	97	
11) Aniline	4.237	93	483434	98.831	ppm	91	
13) Phenol	4.211	94	380627	100.214	ppm	78	
14) bis(2-Clethyl)Ether	4.285	93	251952	99.183	ppm	93	
15) Pentachloroethane	4.275	117	114987	93.447	ppm	94	
16) 2-Chlorophenol	4.339	128	320347	99.821	ppm	99	
17) 1,3-Diclbzene	4.467	146	350383	98.623	ppm	99	
18) 1,4-Dichlorobenzene	4.532	146	358936	99.327	ppm	98	
19) 1,2-Diclbzene	4.665	146	334819	96.111	ppm	97	
20) Benzyl Alcohol	4.644	79	243045	101.841	ppm	97	
21) 1-Methyl-2-pyrrolidinone	4.692	99	199405	100.670	ppm	97	
22) 2,2'-oxybis(1-Chloropr...	4.751	45	254195	96.532	ppm	94	
23) 2-Methylphenol	4.762	108	282760	101.533	ppm	97	
24) 3+4-Methylphenol	4.890	108	339379	105.262	ppm	81	
25) Acetophenone	4.879	105	414779	97.963	ppm	83	
26) N-Nitroso-Di-n-propyla...	4.879	70	217644	98.153	ppm	92	
27) N-Nitrosopyrrolidine	4.879	100	159709	102.066	ppm	87	
28) N-Nitrosomorpholine	4.911	56	163076	99.014	ppm	95	
29) o-Toluidine	4.911	106	445356	97.609	ppm	70	
30) Hexachloroethane	4.965	117	142795	98.632	ppm	95	
31) o,o,o-Triethylphosphor...	5.419	198	156967	100.465	ppm	91	
32) Alpha-terpinol	5.708	121	111074	99.822	ppm	93	
35) Nitrobenzene	5.040	77	326032	98.778	ppm	90	
36) N-Nitrosopiperidine	5.179	42	187268	99.893	ppm	95	
37) Isophorone	5.254	82	568085	101.730	ppm	99	
38) 2-Nitrophenol	5.328	139	174817	100.462	ppm	95	

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR284.D
 Acq On : 14 Mar 2019 4:34 pm
 Operator : J.Misiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 11 10:31:06 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.484	105	211075	110.534	ppm	93
40) 2,4-Dimethylphenol	5.371	107	325307	102.770	ppm	98
41) bis(-2-Chloroethoxy)Me...	5.451	93	332169	99.786	ppm	99
42) 2,4-Dichlorophenol	5.558	162	274328	103.116	ppm	99
43) a,a-Dimethylphenethyla...	6.120	58	558418m	91.489	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	297859	99.541	ppm	98
45) Naphthalene	5.703	128	931093	99.671	ppm	98
46) 4-Chloroaniline	5.762	127	376074	99.154	ppm	98
47) 2,6-Dichlorophenol	5.767	162	287891	102.228	ppm	99
48) Hexachlorobutadiene	5.810	225	182203	98.603	ppm	97
49) Hexachloropropene	5.778	213	243548	100.557	ppm	97
50) 4-Chloro-3-methylphenol	6.238	107	265722	104.001	ppm	99
51) N-N-di-n-butylamine	6.077	84	207314	90.412	ppm	94
52) Caprolactam	6.125	113	88966	101.072	ppm	90
53) p-Phenylenediamine	6.120	80	45363	90.558	ppm	# 76
54) Safrole	6.281	162	233727	95.760	ppm	97
55) 2-Methylnaphthalene	6.366	142	635046	99.575	ppm	99
56) 1-Methylnaphthalene	6.462	142	591695	98.443	ppm	100
58) Hexachlorocyclopentadiene	6.511	237	189817	97.492	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.527	216	323658	100.274	ppm	99
60) 1,2,3,4-Tetrachloroben...	6.805	216	332275	98.661	ppm	99
61) 2,4,6-Trichlorophenol	6.644	196	200432	104.097	ppm	97
62) 2,4,5-Trichlorophenol	6.692	196	209468	99.293	ppm	98
64) Isosafrole	6.789	104	123220	101.700	ppm	96
65) 1,1'-Biphenyl	6.821	154	798268	97.250	ppm	100
66) 2-Chloronaphthalene	6.842	162	598279	99.403	ppm	97
67) 2-Nitroaniline	6.954	65	162445	101.429	ppm	96
68) 1,4-Naphthoquinone	7.024	158	179354	103.874	ppm	95
69) m-Dinitrobenzene	7.174	168	113707	104.896	ppm	81
70) Acenaphthylene	7.243	152	970198	100.078	ppm	99
71) Dimethyl phthalate	7.131	163	712940	97.824	ppm	100
72) 2,6-Dinitrotoluene	7.195	165	161110	102.741	ppm	89
73) Acenaphthene	7.414	153	682638	100.734	ppm	99
74) 3-Nitroaniline	7.361	138	182417	105.638	ppm	99
75) 2,4-Dinitrophenol	7.468	184	90162	98.262	ppm	88
76) Dibenzofuran	7.586	168	879029	99.384	ppm	98
77) 2,4-Dinitrotoluene	7.591	165	231470	104.500	ppm	76
78) 4-Nitrophenol	7.553	65	123866	110.343	ppm	# 73
79) Pentachlorobenzene	7.537	250	310673	99.710	ppm	98
80) 1-Naphthylamine	7.671	143	411966	96.441	ppm	99
81) 2-Napthylamine	7.751	143	526580	99.278	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.714	232	176750	99.709	ppm	97
83) Fluorene	7.923	166	704985	98.368	ppm	99
84) 4-Chlorophenyl-phenyle...	7.923	204	306461	94.912	ppm	98
85) Diethylphthalate	7.816	149	756625	98.690	ppm	99
86) 4-Nitroaniline	7.971	138	181618	102.191	ppm	96
87) 5-Nitro-o-toluidine	7.955	152	208472	103.506	ppm	100
89) Sulfotepp	8.195	322	112625	102.337	ppm	97
90) Octachlorocyclopentene	8.163	307	149418	102.683	ppm	98
92) Thionazin	7.901	107	110353	100.580	ppm	98
93) 4,6-Dinitro-2-methylph...	7.992	198	140151	105.698	ppm	93
94) Diphenylamine	8.046	169	1083481	199.463	ppm	99
95) 1,2 Diphenylhydrazine	8.078	77	670340	96.509	ppm	99
96) N-Nitrosodiphenylamine	8.046	169	1083481	199.447	ppm	99
97) 1,3,5-Trinirobenzene	8.356	213	68808	105.648	ppm	77
98) Diallate	8.318	86	246777	98.027	ppm	94

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR284.D
 Acq On : 14 Mar 2019 4:34 pm
 Operator : J.Misiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 10 Sample Multiplier: 1

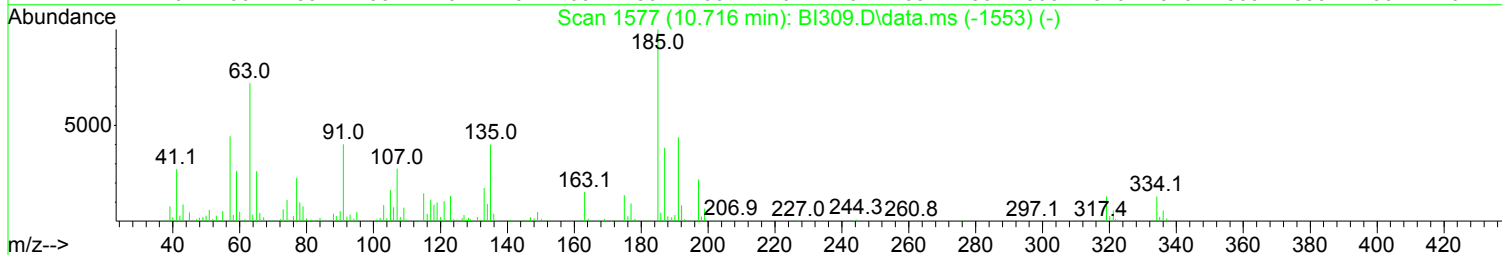
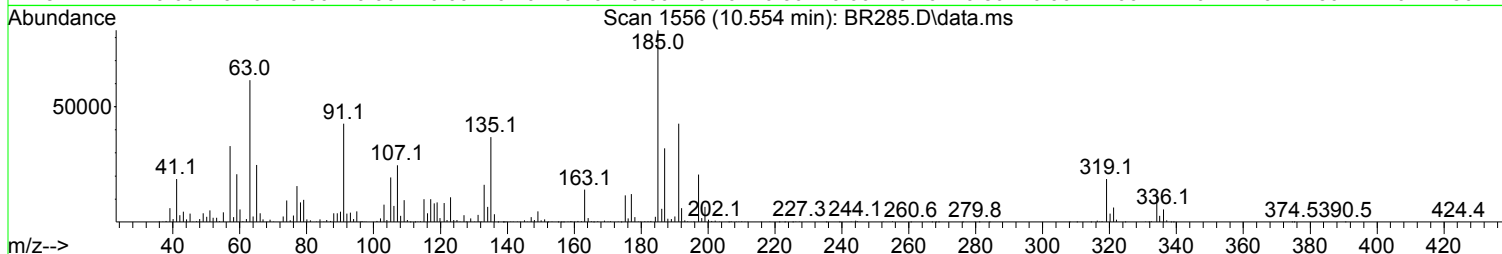
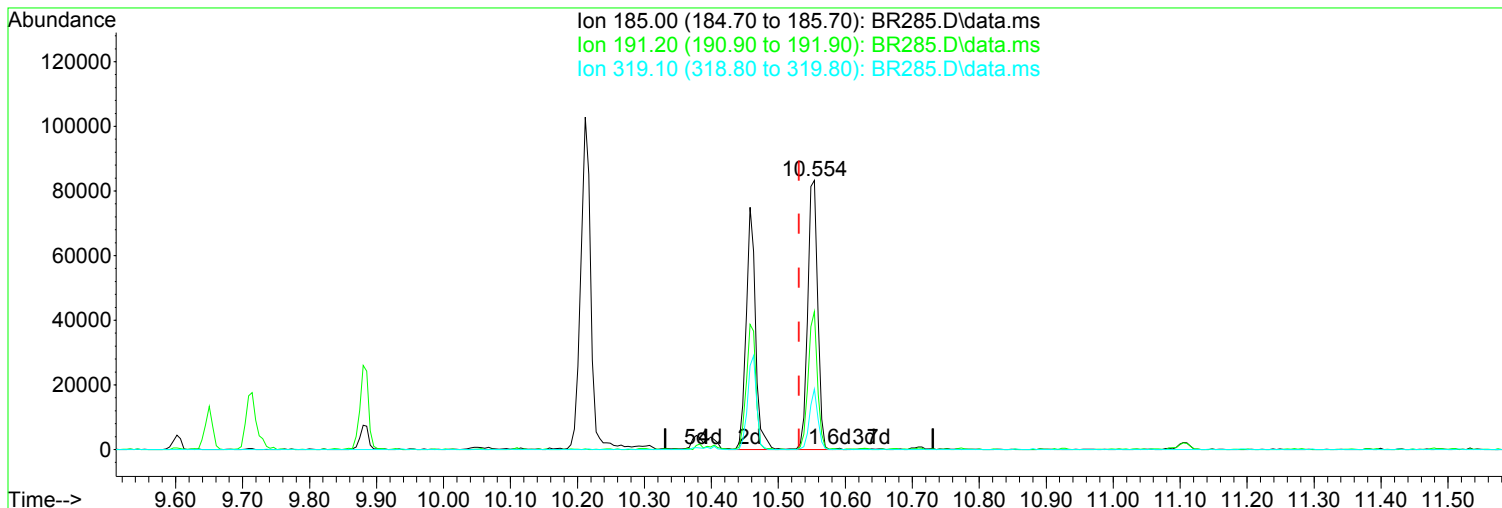
Quant Time: Apr 11 10:31:06 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.334	121	131135	101.343	ppm	88
100) Phenacetin	8.372	108	358805	105.363	ppm	99
101) 4-Bromophenyl-phenylether	8.404	248	199032	98.559	ppm	99
102) Hexachlorobenzene	8.457	284	249361	97.087	ppm	98
103) Dimethoate	8.516	87	193643	91.828	ppm	95
104) Atrazine	8.575	215	58682	84.187	ppm	96
105) Pentachlorophenol	8.661	266	148016	105.394	ppm	95
106) 4-Aminobiphenyl	8.666	169	551703	104.314	ppm	98
107) Pentachloronitrobenzene	8.666	237	119290	109.143	ppm	91
108) Pronamide	8.725	173	376207	106.036	ppm	99
109) Dinoseb	8.843	211	194751	103.872	ppm	96
110) Disulfoton	8.848	88	324412	91.995	ppm	96
111) Phenanthrene	8.869	178	1044401	99.826	ppm	99
112) Anthracene	8.917	178	1036467	100.902	ppm	100
113) Carbazole	9.089	167	1000754	102.779	ppm	99
114) Di-n-butylphthalate	9.420	149	1381561	105.633	ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	75875	104.886	ppm	92
116) Fluoranthene	10.051	202	1190837	103.698	ppm	99
118) Methyl Parathion	9.217	109	200010	100.380	ppm	94
119) Ethyl Parathion	9.602	97	174716	103.069	ppm	96
120) Methapyrilene	9.709	58	140496	100.786	ppm	99
121) Isodrin	9.880	193	123202	104.143	ppm	96
122) Benzidine	10.212	184	626139	104.880	ppm	97
123) Pyrene	10.297	202	1217872	100.188	ppm	99
125) Aramite	10.549	185	125765m	99.569	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	306948	102.704	ppm	92
127) Chlorobenzilate	10.709	139	387935	102.246	ppm	85
128) Butyl benzyl phthalate	11.121	149	620770	101.786	ppm	98
129) 3,3-Dimethylbenzidine	11.105	212	683934	104.827	ppm	99
130) 2-Acetylaminofluorene	11.479	181	509373	106.238	ppm	97
131) 3,3'-Dichlorobenzidine	11.929	252	486007	105.089	ppm	99
132) Benzo(a)anthracene	11.945	228	1158031	100.506	ppm	97
133) Chrysene	12.004	228	1069902	97.828	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.036	149	892963	105.123	ppm	96
136) Di-n-octyl phthalate	13.298	149	1518221	106.624	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.961	256	561290	105.297	ppm	98
138) Benzo(b)Fluoranthene	13.972	252	1261687	103.177	ppm	98
139) Benzo(k)fluoranthene	14.025	252	1173066	102.772	ppm	98
140) Benzo(a)pyrene	14.635	252	1084335	106.424	ppm	97
141) 3-Methylcholanthrene	15.416	268	625425	105.199	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.785	276	1080506	103.651	ppm	98
143) Dibenz(a,h)anthracene	16.833	278	1163602	104.788	ppm	98
144) Benzo(g,h,i)perylene	17.197	276	923963	100.766	ppm	98

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

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.554min (+ 0.023) 125.91 ppm m

After

response 159586

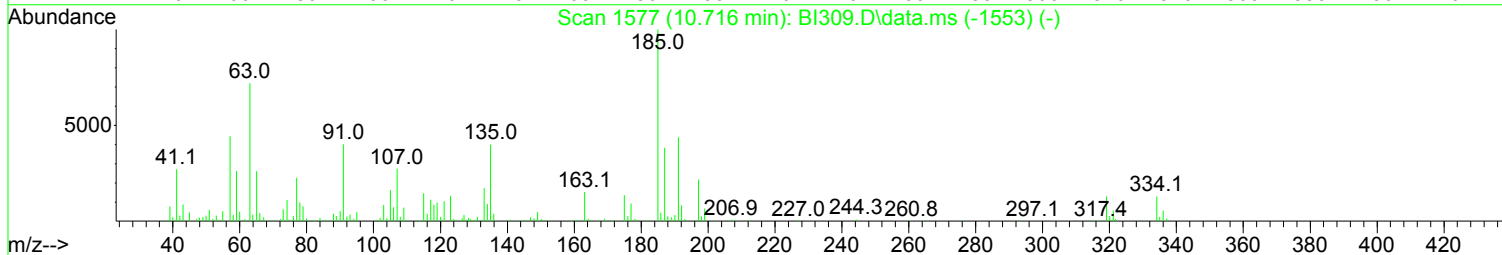
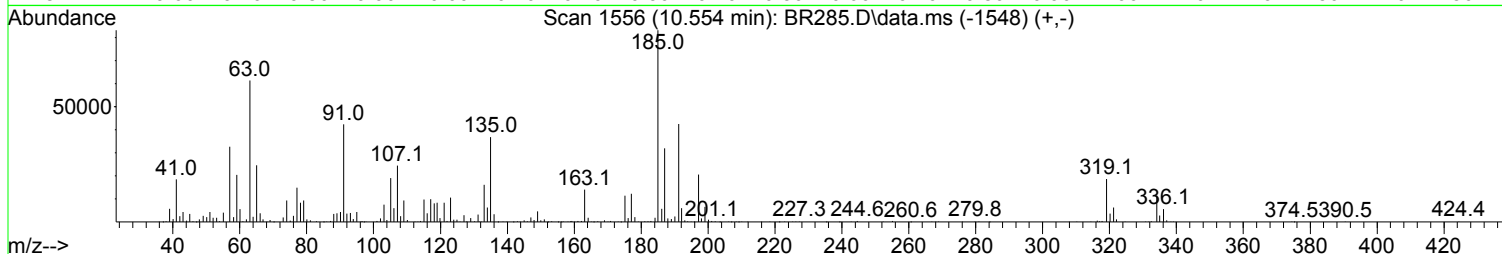
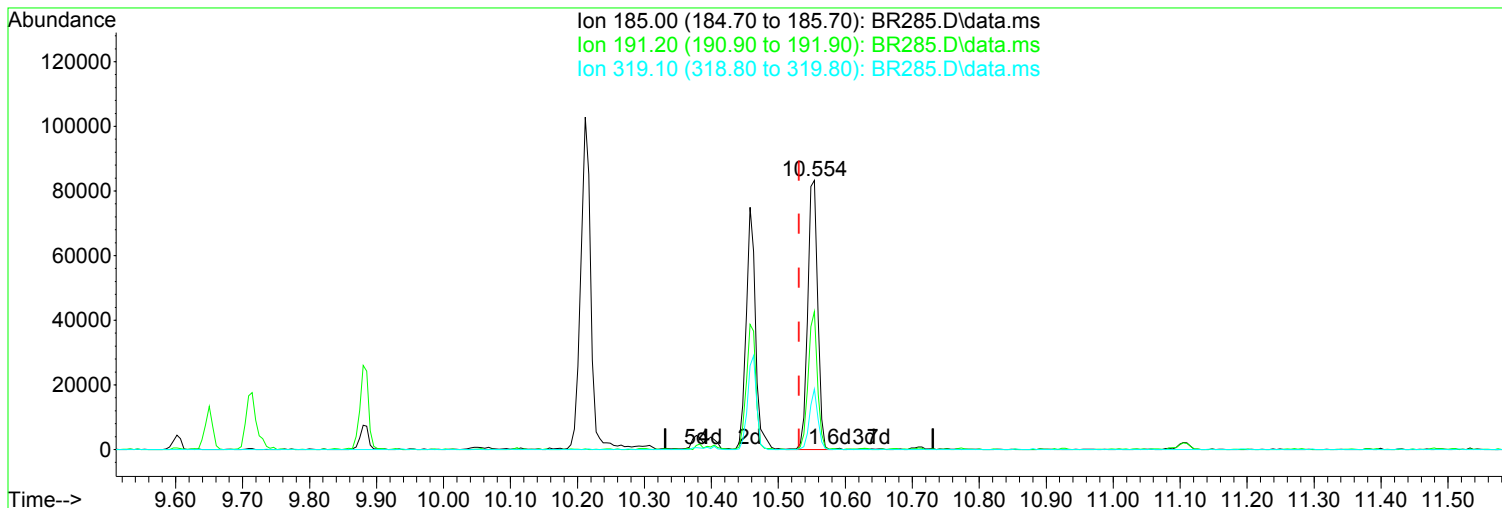
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	51.28
319.10	17.60	22.44
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR285.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.554min (+ 0.023) 67.60 ppm

Before

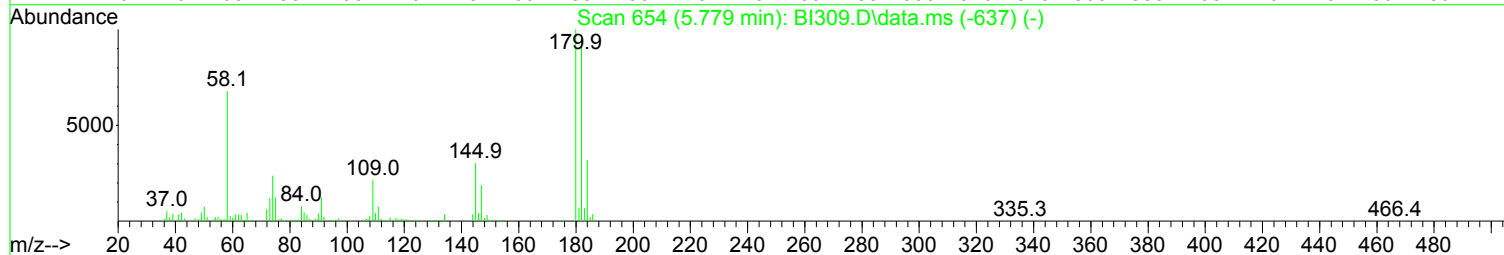
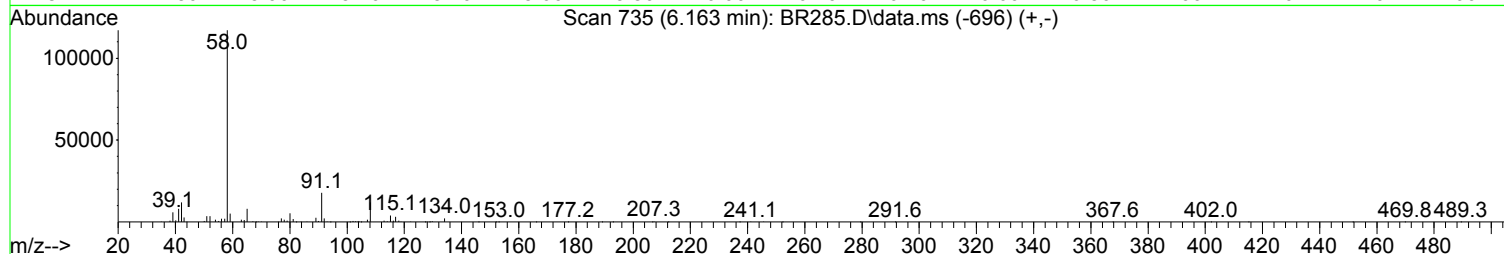
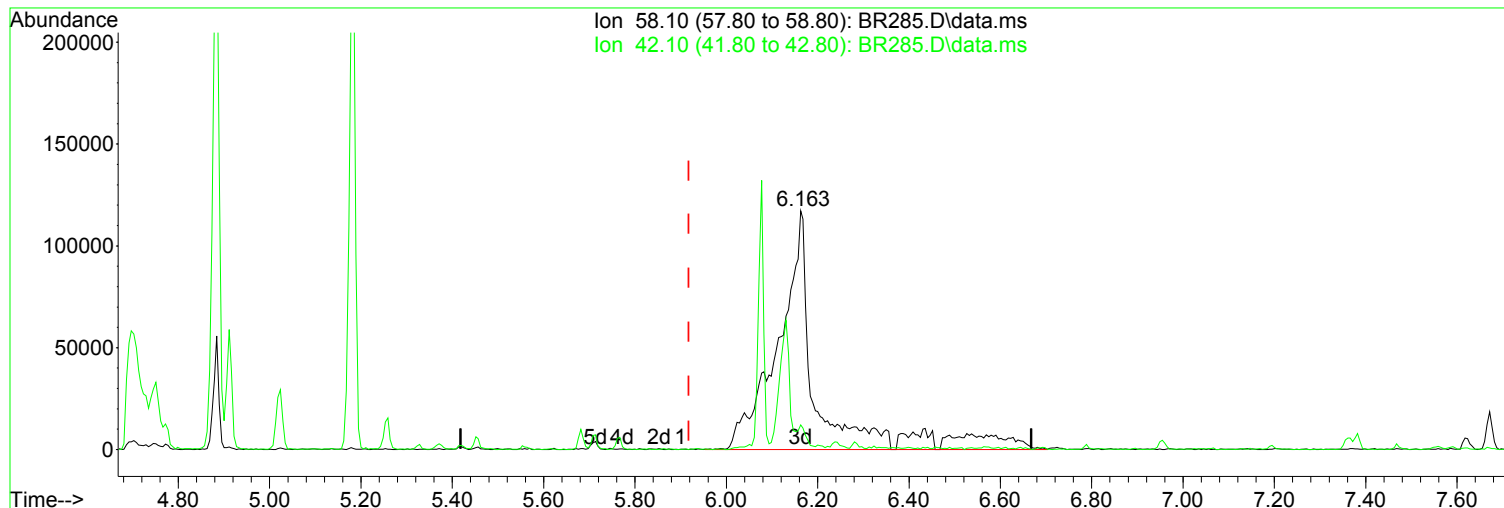
response 85682

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	51.16
319.10	17.60	22.46
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR285.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.163min (+ 0.245) 113.51 ppm m

After

response 704971

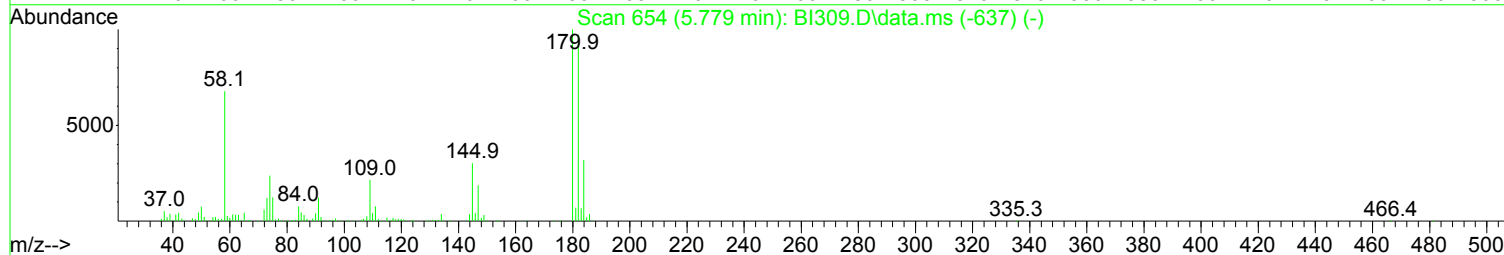
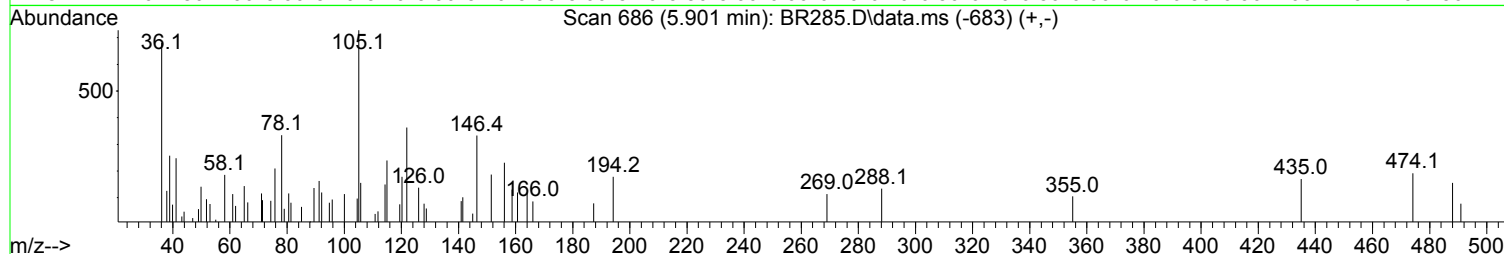
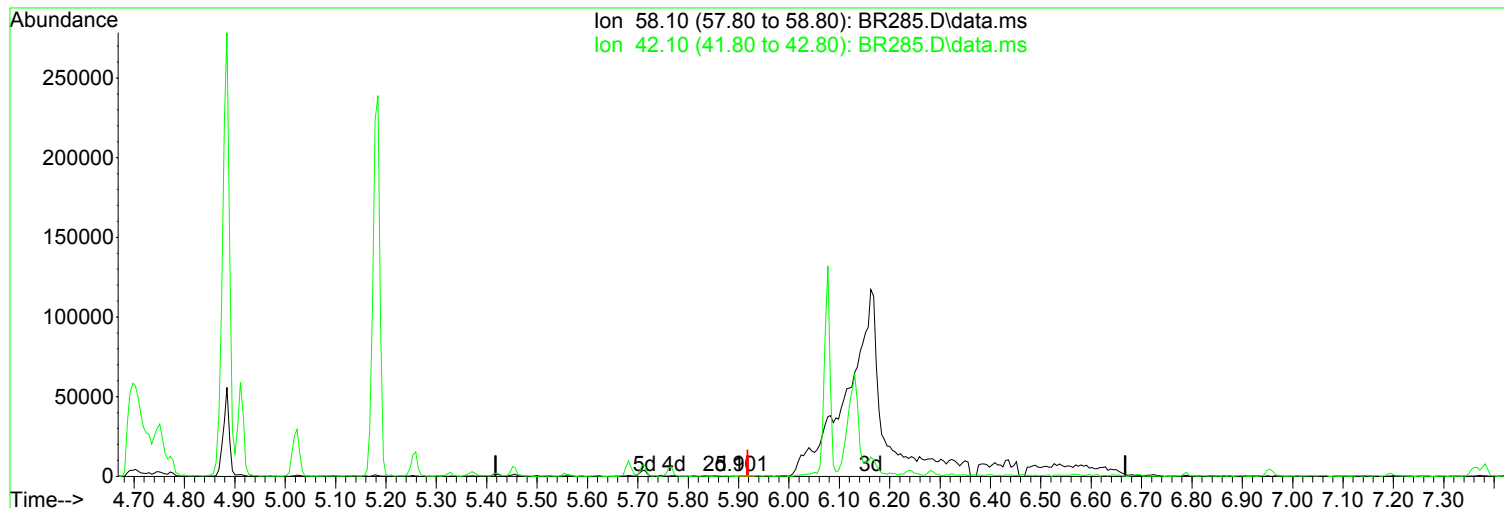
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	10.28
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.901min (-0.018) 0.04 ppm

Before

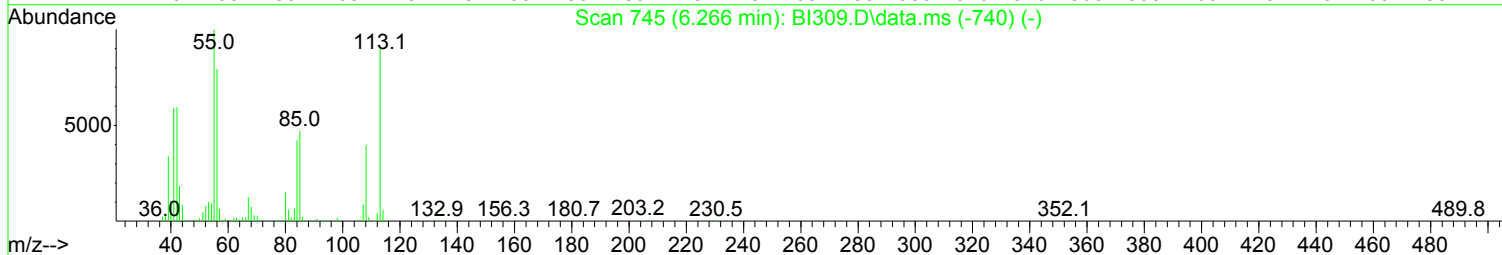
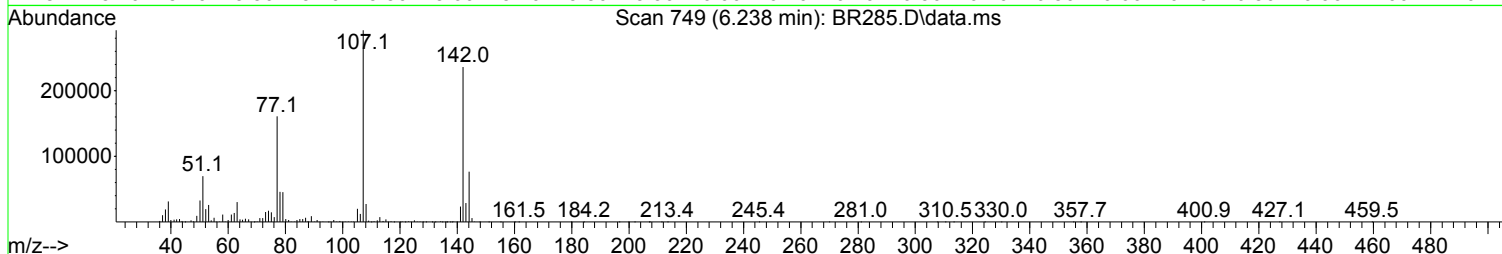
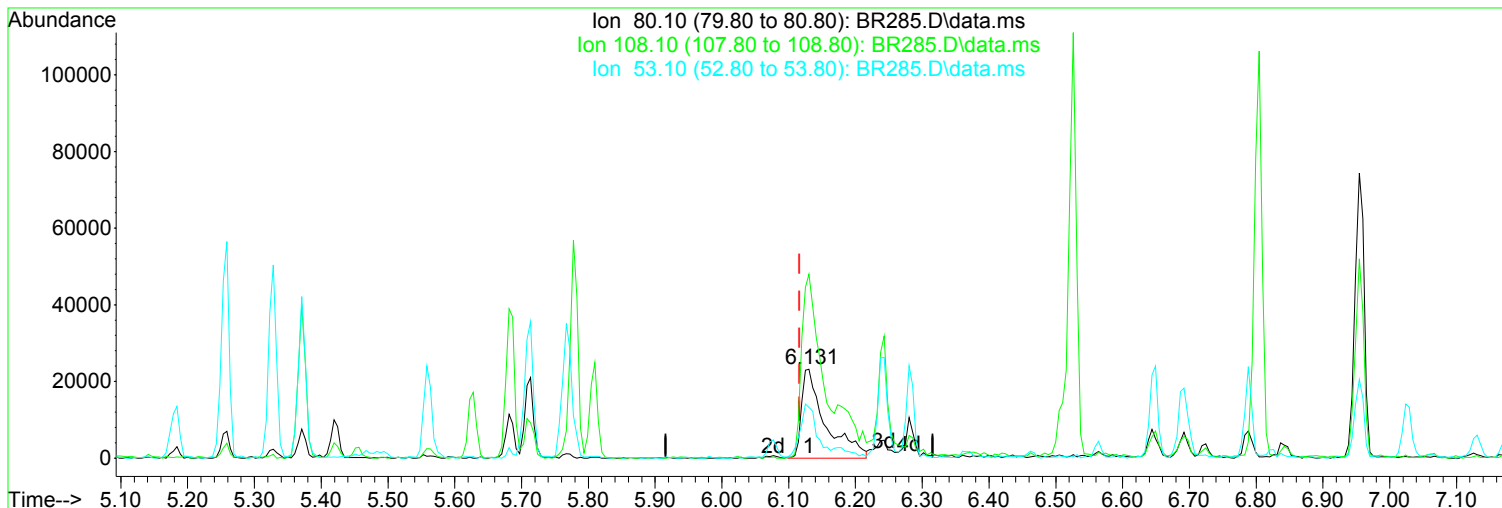
response 262

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(53) p-Phenylenediamine (TM)

Manual Integration:

6.131min (+ 0.015) 112.06 ppm m

After

response 57117

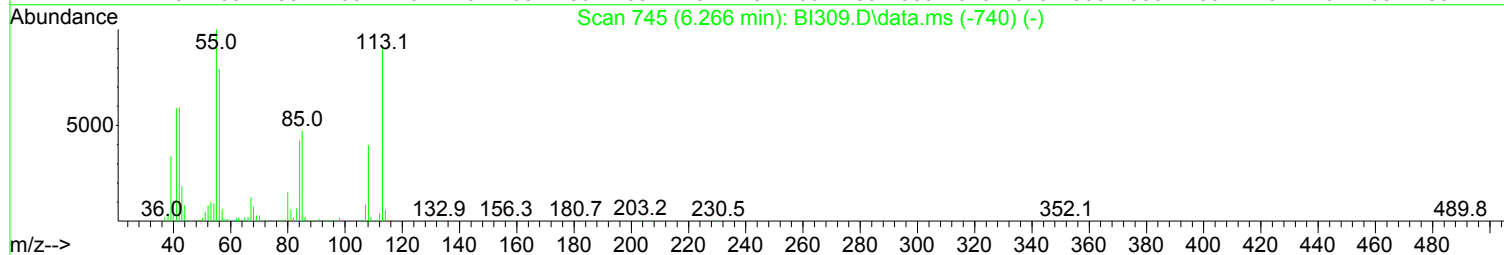
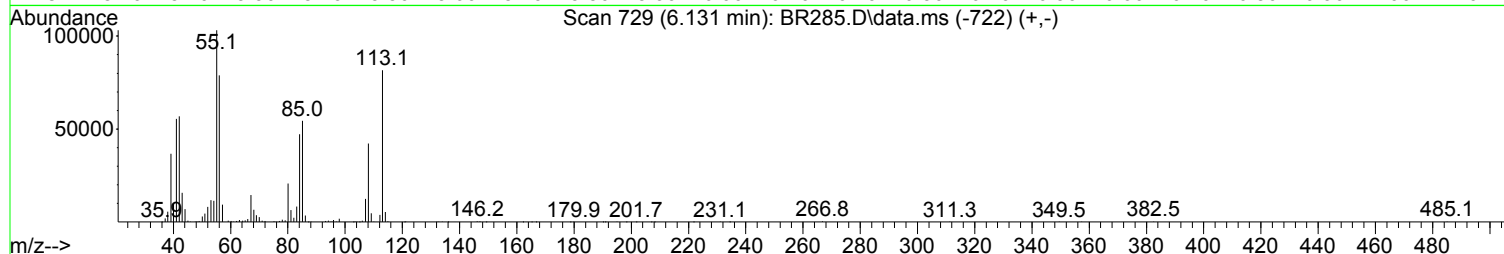
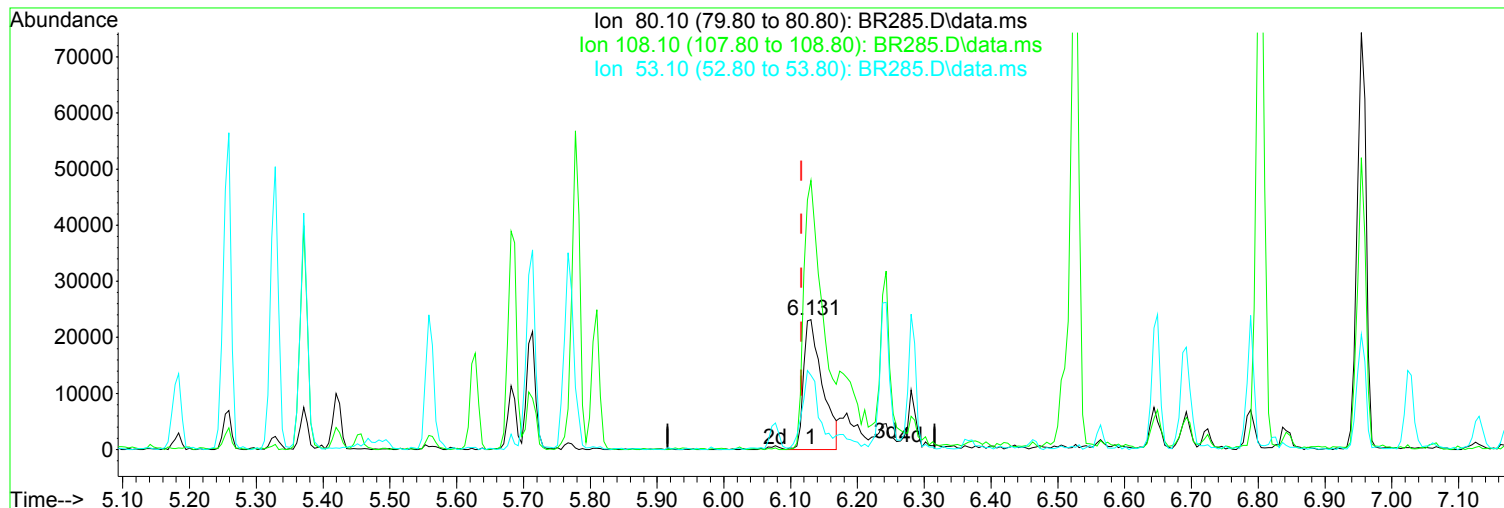
Poor integration.

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	207.04
53.10	42.90	57.08
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



TIC: BR285.D\data.ms

(53) p-Phenylenediamine (TM)

Manual Integration:

6.131min (+ 0.015) 88.44 ppm

Before

response 45080

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	204.42
53.10	42.90	57.30
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.515	152	83258	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	320227	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	184235	40.00	ppm	0.00
91) d10-Phenanthrene	8.842	188	335152	40.00	ppm	0.00
117) d12-Chrysene	11.961	240	347436	40.00	ppm	0.00
135) d12-Perylene	14.747	264	358746	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.430	112	363311	124.04	ppm	0.00
Spiked Amount	200.000	Range	10 - 70	Recovery	=	62.02%
12) SURR2,PHENOL-D6	4.205	99	452183	124.41	ppm	0.00
Spiked Amount	200.000	Range	10 - 107	Recovery	=	62.20%
34) SURR4,NITROBENZENE-D5	5.023	82	398506	120.79	ppm	0.00
Spiked Amount	100.000	Range	31 - 110	Recovery	=	120.79%#
63) SURR5,2-FLUOROBIPHENYL	6.724	172	870678	120.57	ppm	0.00
Spiked Amount	100.000	Range	31 - 118	Recovery	=	120.57%#
88) SURR3,2,4,6-TRIBROMOPH...	8.163	330	169044	126.62	ppm	0.00
Spiked Amount	200.000	Range	35 - 141	Recovery	=	63.31%
124) SURR6,TERPHENYL-D14	10.479	244	1051051	120.80	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	120.80%

Target Compounds						Qvalue
2) Pyridine	2.370	79	365322	132.174	ppm	95
3) N-Nitrosodimethylamine	2.344	74	218103	129.759	ppm	89
4) 2-Picoline	2.964	93	357361	124.620	ppm	96
5) N-Nitrosomethylamine	3.055	42	163518	115.423	ppm	99
6) Methyl Methansulfonate	3.301	80	170344	128.699	ppm	99
8) N-Nitrosodiethylamine	3.617	102	165071	125.780	ppm	91
9) Ethyl Mathanesulfonate	3.868	79	302514	124.108	ppm	97
10) Benzaldehyde	4.146	106	193147	110.188	ppm	99
11) Aniline	4.237	93	607630	124.945	ppm	92
13) Phenol	4.216	94	501760	132.876	ppm	94
14) bis(2-Clethyl)Ether	4.285	93	317144	125.574	ppm	95
15) Pentachloroethane	4.275	117	146819	120.011	ppm	92
16) 2-Chlorophenol	4.339	128	399445	125.193	ppm	99
17) 1,3-Diclbzene	4.467	146	437738	123.929	ppm	99
18) 1,4-Dichlorobenzene	4.531	146	446146	124.180	ppm	96
19) 1,2-Diclbzene	4.665	146	431616	124.619	ppm	98
20) Benzyl Alcohol	4.644	79	306074	128.999	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.697	99	244290	124.049	ppm	92
22) 2,2'-oxybis(1-Chloropr...	4.751	45	314989	120.316	ppm	85
23) 2-Methylphenol	4.767	108	341646	123.393	ppm	93
24) 3+4-Methylphenol	4.895	108	404778	126.278	ppm	# 77
25) Acetophenone	4.879	105	512246	121.688	ppm	85
26) N-Nitroso-Di-n-propyla...	4.884	70	278701	126.421	ppm	91
27) N-Nitrosopyrrolidine	4.884	100	195291	125.532	ppm	88
28) N-Nitrosomorpholine	4.911	56	200565	122.485	ppm	93
29) o-Toluidine	4.911	106	560084	123.470	ppm	79
30) Hexachloroethane	4.965	117	181632	126.188	ppm	93
31) o,o,o-Triethylphosphor...	5.425	198	190622	122.716	ppm	93
32) Alpha-terpinol	5.713	121	138535	125.226	ppm	92
35) Nitrobenzene	5.039	77	413354	123.074	ppm	97
36) N-Nitrosopiperidine	5.184	42	228952	120.022	ppm	95
37) Isophorone	5.259	82	702564	123.642	ppm	97
38) 2-Nitrophenol	5.328	139	221537	125.115	ppm	95

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR285.D
 Acq On : 14 Mar 2019 5:03 pm
 Operator : J.Misiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzoic Acid	5.494	105	259685	133.645	ppm	100
40) 2,4-Dimethylphenol	5.371	107	406595	126.235	ppm	99
41) bis(-2-Chloroethoxy)Me...	5.451	93	410006	121.045	ppm	99
42) 2,4-Dichlorophenol	5.558	162	344723	127.342	ppm	97
43) a,a-Dimethylphenethyla...	6.163	58	704971m	113.508	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	367441	120.677	ppm	99
45) Naphthalene	5.703	128	1157316	121.751	ppm	99
46) 4-Chloroaniline	5.767	127	473431	122.671	ppm	99
47) 2,6-Dichlorophenol	5.767	162	354643	123.759	ppm	95
48) Hexachlorobutadiene	5.810	225	232531	123.669	ppm	98
49) Hexachloropropene	5.778	213	304970	123.746	ppm	99
50) 4-Chloro-3-methylphenol	6.243	107	321455	123.645	ppm	94
51) N-N-di-n-butylamine	6.077	84	248351	106.441	ppm	98
52) Caprolactam	6.131	113	112245	125.319	ppm	90
53) p-Phenylenediamine	6.131	80	571117m	112.056	ppm	
54) Safrole	6.286	162	300205	120.876	ppm	96
55) 2-Methylnaphthalene	6.366	142	775253	119.463	ppm	99
56) 1-Methylnaphthalene	6.462	142	726371	118.766	ppm	98
58) Hexachlorocyclopentadiene	6.510	237	241117	119.346	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.526	216	407176	124.922	ppm	98
60) 1,2,3,4-Tetrachloroben...	6.804	216	414530	121.887	ppm	97
61) 2,4,6-Trichlorophenol	6.649	196	250860	129.020	ppm	96
62) 2,4,5-Trichlorophenol	6.692	196	259355	121.745	ppm	98
64) Isosafrole	6.788	104	157930	129.080	ppm	86
65) 1,1'-Biphenyl	6.826	154	989319	119.353	ppm	97
66) 2-Chloronaphthalene	6.842	162	731595	120.371	ppm	94
67) 2-Nitroaniline	6.954	65	202516	125.218	ppm	97
68) 1,4-Naphthoquinone	7.029	158	224763	128.906	ppm	98
69) m-Dinitrobenzene	7.174	168	140287	128.157	ppm	75
70) Acenaphthylene	7.248	152	1194694	122.036	ppm	99
71) Dimethyl phthalate	7.131	163	875472	118.956	ppm	99
72) 2,6-Dinitrotoluene	7.195	165	201464	127.225	ppm	96
73) Acenaphthene	7.414	153	819098	119.696	ppm	99
74) 3-Nitroaniline	7.366	138	220697	126.562	ppm	96
75) 2,4-Dinitrophenol	7.468	184	117802	121.085	ppm	100
76) Dibenzofuran	7.585	168	1057315	118.378	ppm	92
77) 2,4-Dinitrotoluene	7.591	165	279374	124.900	ppm	83
78) 4-Nitrophenol	7.559	65	128912	113.721	ppm	95
79) Pentachlorobenzene	7.543	250	370437	117.734	ppm	99
80) 1-Naphthylamine	7.671	143	506652	117.453	ppm	97
81) 2-Naphthylamine	7.751	143	629109	117.454	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.714	232	225168	125.787	ppm	98
83) Fluorene	7.922	166	855423	118.197	ppm	98
84) 4-Chlorophenyl-phenyle...	7.922	204	385410	118.201	ppm	96
85) Diethylphthalate	7.821	149	939313	121.327	ppm	99
86) 4-Nitroaniline	7.970	138	226775	126.359	ppm	95
87) 5-Nitro-o-toluidine	7.954	152	256968	126.343	ppm	93
89) Sulfotepp	8.200	322	138508	124.632	ppm	92
90) Octachlorocyclopentene	8.163	307	186869	127.170	ppm	98
92) Thionazin	7.901	107	139060	122.053	ppm	97
93) 4,6-Dinitro-2-methylph...	7.992	198	179056	130.041	ppm	97
94) Diphenylamine	8.051	169	1324957	234.889	ppm	99
95) 1,2 Diphenylhydrazine	8.077	77	837475	116.109	ppm	99
96) N-Nitrosodiphenylamine	8.051	169	1325496	234.965	ppm	99
97) 1,3,5-Trinitrobenzene	8.361	213	86276	127.565	ppm	# 82
98) Diallate	8.323	86	301173	115.206	ppm	99

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

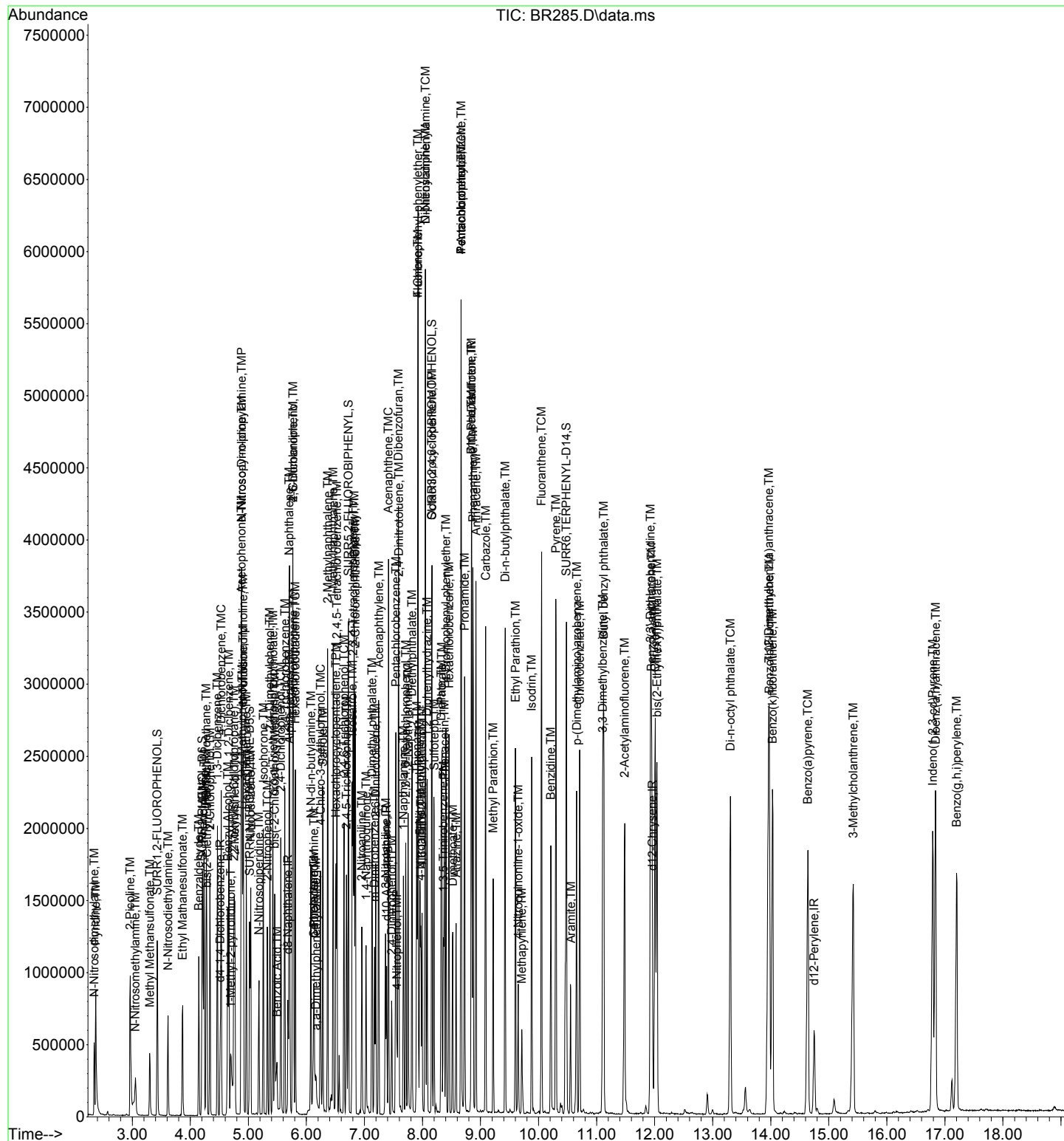
Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.334	121	163606	121.757	ppm	95
100) Phenacetin	8.377	108	434772	122.945	ppm	98
101) 4-Bromophenyl-phenylether	8.404	248	251389	119.878	ppm	95
102) Hexachlorobenzene	8.457	284	305438	114.518	ppm	93
103) Dimethoate	8.521	87	240026	109.611	ppm	98
104) Atrazine	8.580	215	68796	95.043	ppm	96
105) Pentachlorophenol	8.666	266	188398	129.182	ppm	97
106) 4-Aminobiphenyl	8.666	169	662360	120.601	ppm	98
107) Pentachloronitrobenzene	8.666	237	142984	125.979	ppm	94
108) Pronamide	8.725	173	464750	126.143	ppm	99
109) Dinoseb	8.842	211	248432	127.598	ppm	98
110) Disulfoton	8.848	88	404911	110.573	ppm	94
111) Phenanthrene	8.869	178	1285026	118.279	ppm	99
112) Anthracene	8.923	178	1275487	119.574	ppm	99
113) Carbazole	9.088	167	1217857	120.447	ppm	100
114) Di-n-butylphthalate	9.425	149	1680755	123.752	ppm	99
115) 4-Nitroquinonline-1-oxide	9.650	190	96265	128.146	ppm	97
116) Fluoranthene	10.051	202	1463912	122.759	ppm	96
118) Methyl Parathion	9.217	109	245572	122.821	ppm	96
119) Ethyl Parathion	9.602	97	219794	129.215	ppm	95
120) Methapyrilene	9.709	58	166054	118.709	ppm	95
121) Isodrin	9.880	193	151704	127.793	ppm	98
122) Benzidine	10.212	184	765919	127.851	ppm	98
123) Pyrene	10.297	202	1496796	122.708	ppm	99
125) Aramite	10.554	185	159586m	125.909	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	386308	128.812	ppm	91
127) Chlorobenzilate	10.709	139	494400	129.857	ppm	94
128) Butyl benzyl phthalate	11.121	149	778084	127.139	ppm	95
129) 3,3-Dimethylbenzidine	11.105	212	848610	129.618	ppm	97
130) 2-Acetylaminofluorene	11.485	181	617002	128.242	ppm	98
131) 3,3'-Dichlorobenzidine	11.928	252	594596	128.125	ppm	97
132) Benzo(a)anthracene	11.945	228	1425270	123.273	ppm	98
133) Chrysene	12.009	228	1332288	121.399	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.041	149	1111859	130.440	ppm	98
136) Di-n-octyl phthalate	13.303	149	1887917	130.478	ppm	98
137) 7,12-Dimethylbenz(a)an...	13.966	256	689624	127.314	ppm	98
138) Benzo(b)Fluoranthene	13.977	252	1546043	124.420	ppm	100
139) Benzo(k)fluoranthene	14.031	252	1429516	123.247	ppm	99
140) Benzo(a)pyrene	14.640	252	1329236	128.384	ppm	99
141) 3-Methylcholanthrene	15.421	268	764549	126.554	ppm	98
142) Indeno(1,2,3-cd)Pyrene	16.790	276	1302626	122.971	ppm	97
143) Dibenz(a,h)anthracene	16.839	278	1401542	124.208	ppm	98
144) Benzo(g,h,i)perylene	17.202	276	1124739	120.711	ppm	100

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

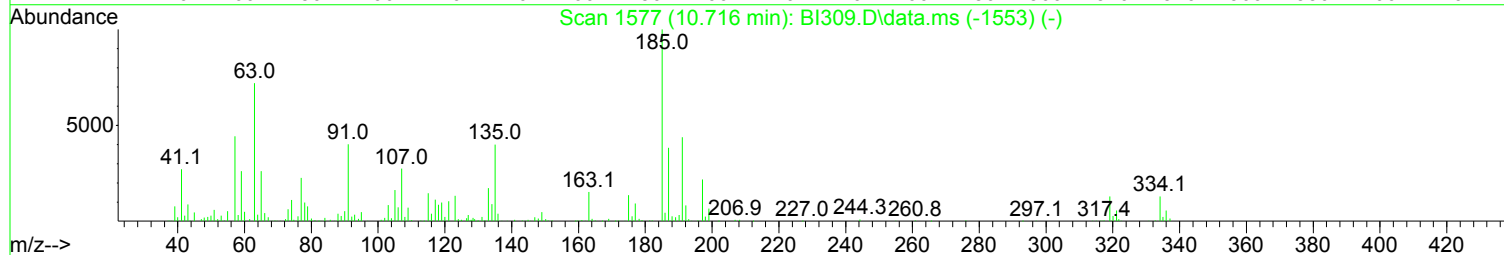
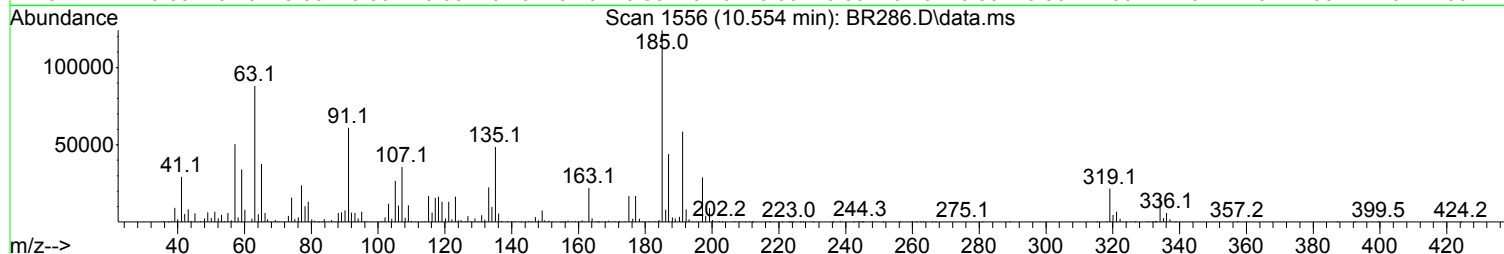
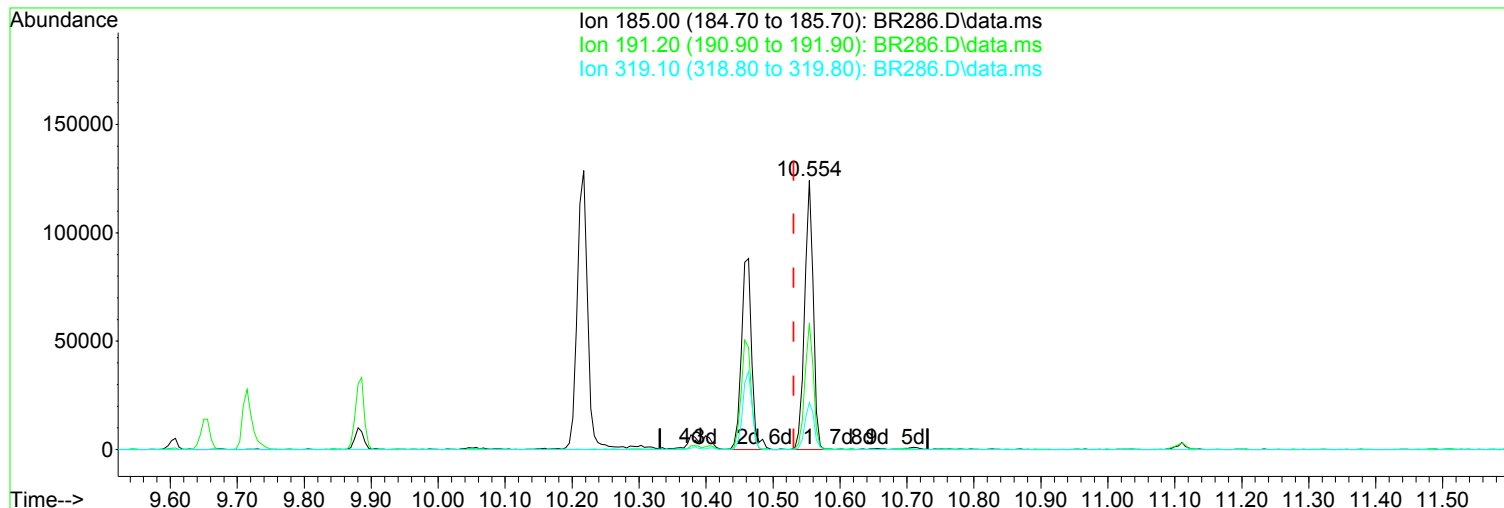
Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR285.D
Acq On : 14 Mar 2019 5:03 pm
Operator : J.Misiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 11 10:31:12 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.554min (+ 0.023) 167.65 ppm m

After

response 205677

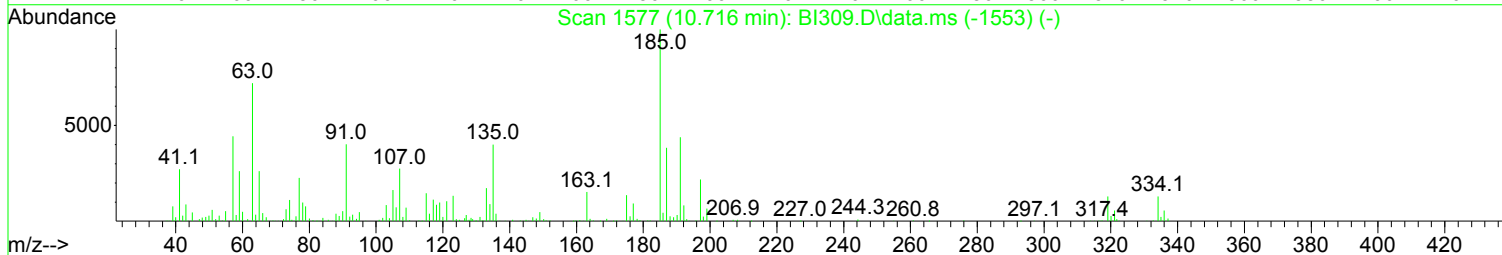
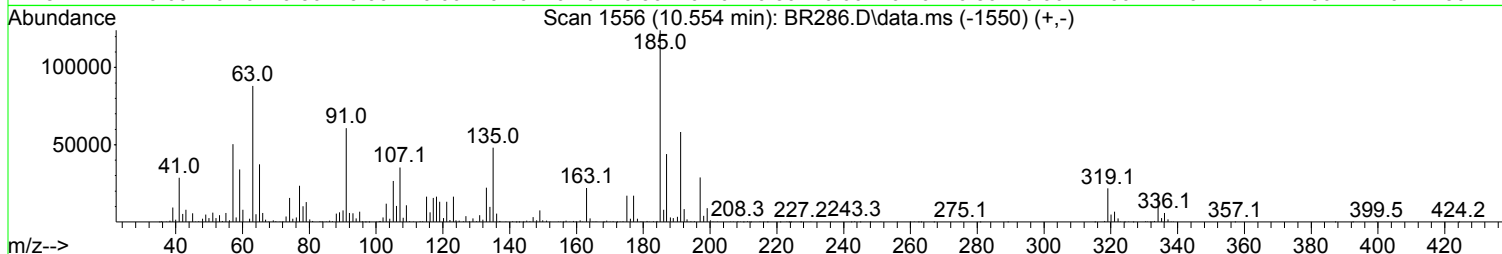
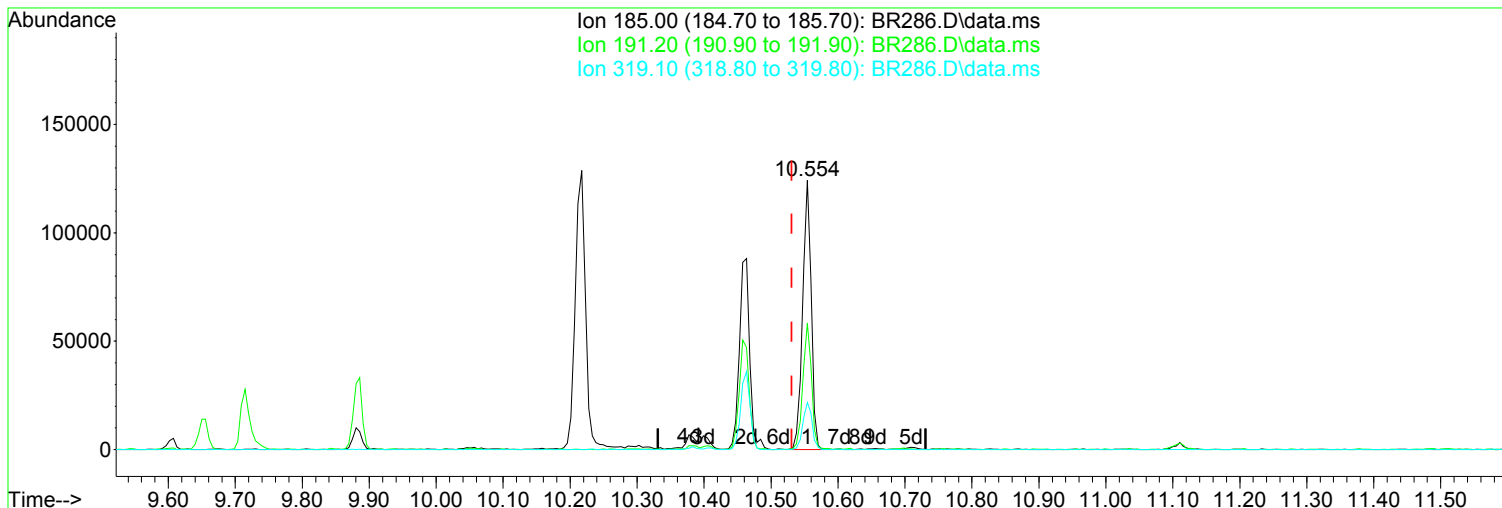
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	47.04
319.10	17.60	17.50
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR286.D
 Acq On : 14 Mar 2019 5:32 pm
 Operator : J.Misiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270D/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
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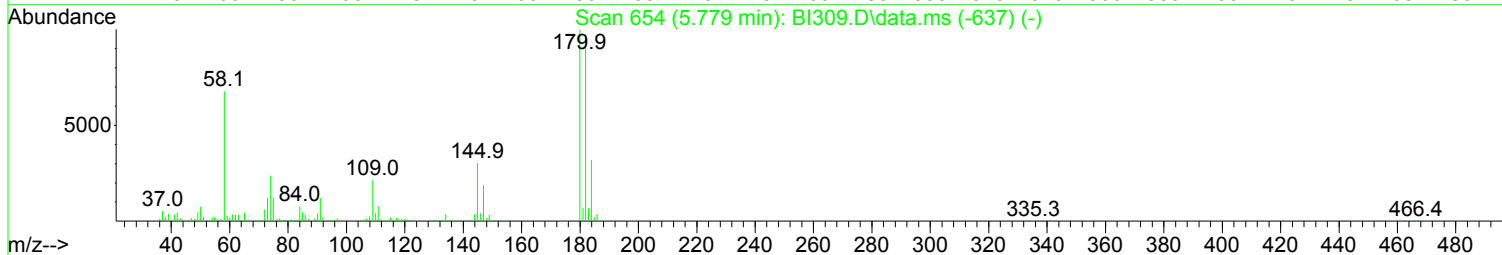
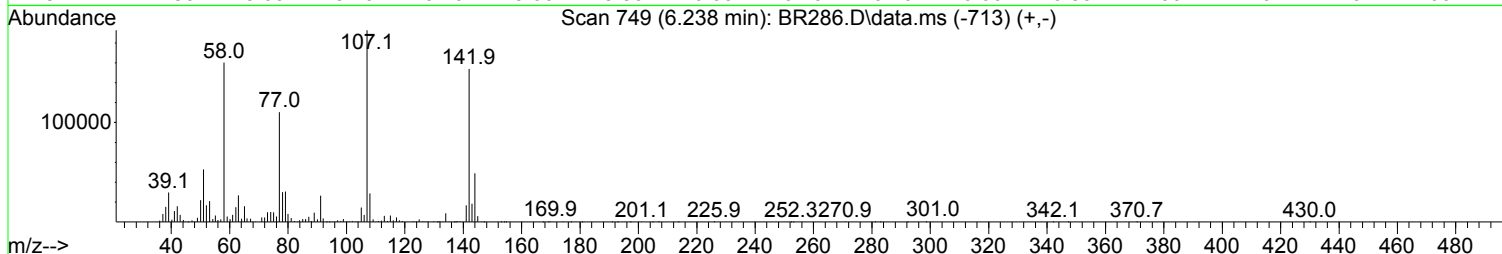
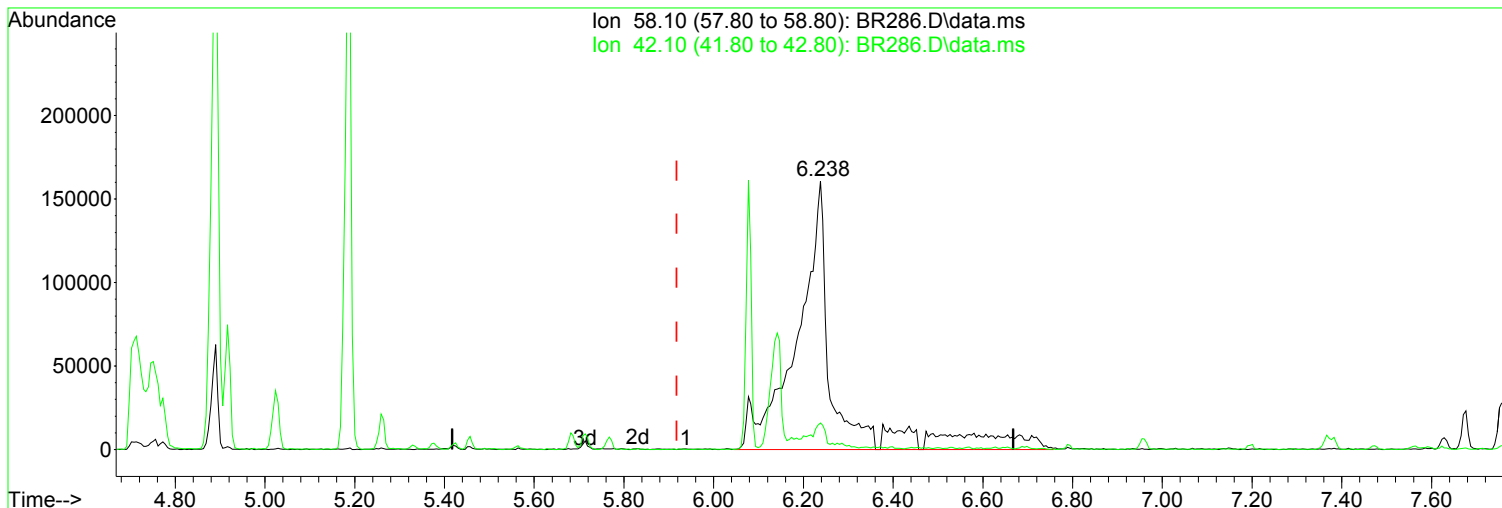


TIC: BR286.D\data.ms

(125) Aramite (TM)			Manual Integration:
10.554min (+ 0.023)	91.09 ppm		Before
response	111754		
Ion	Exp%	Act%	04/11/19
185.00	100.00	100.00	
191.20	47.90	46.95	
319.10	17.60	17.46	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.238min (+ 0.320) 161.49 ppm m

After

response 941042

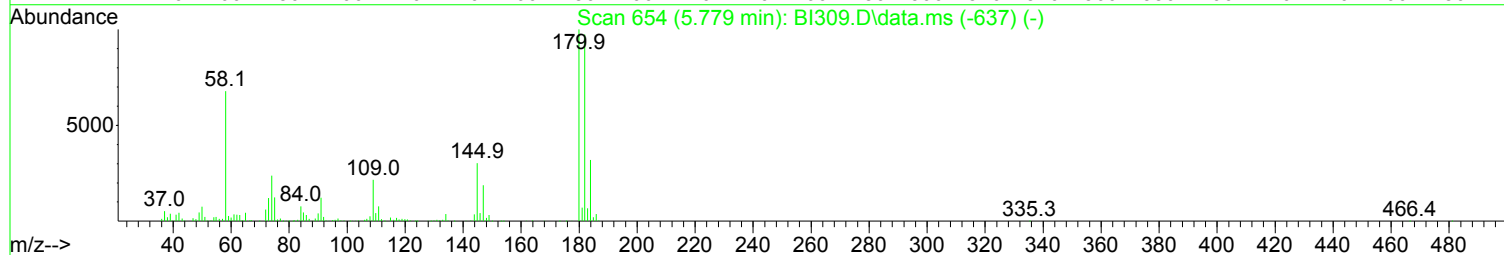
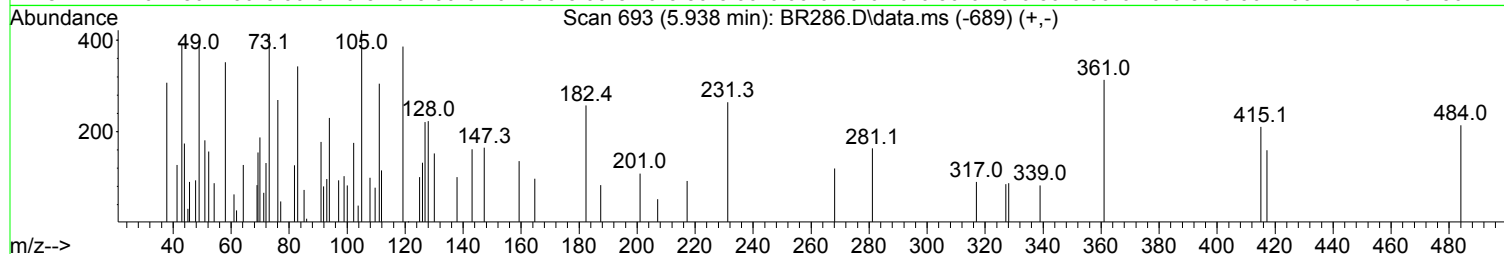
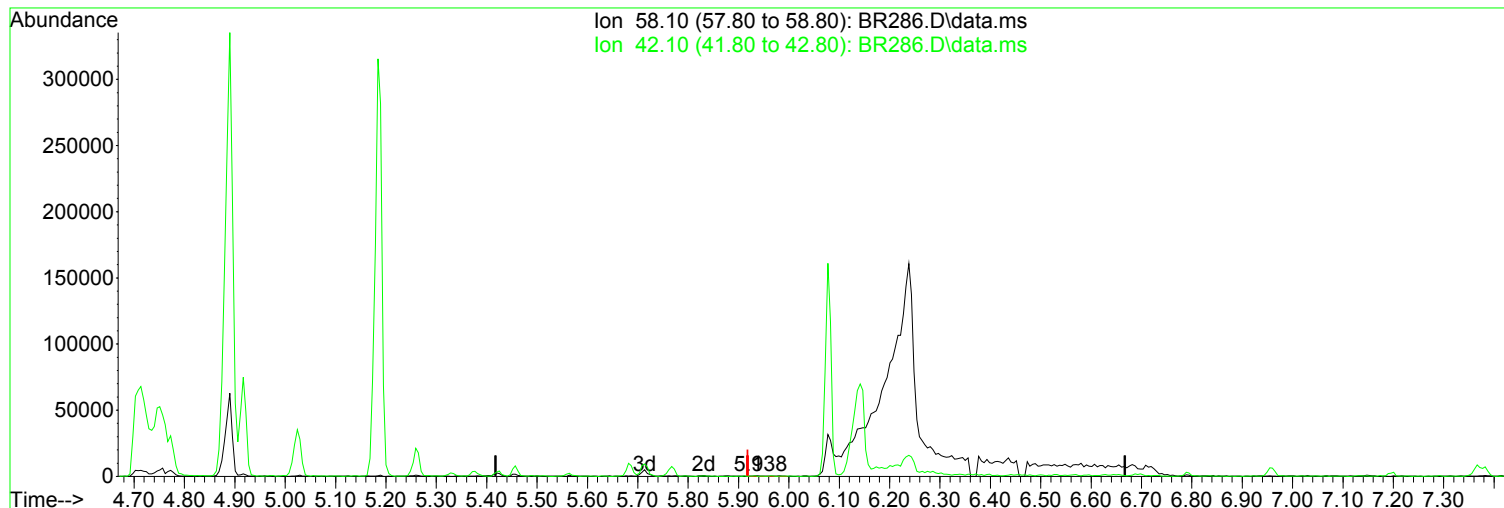
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	9.96
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.938min (+ 0.020) 0.19 ppm

Before

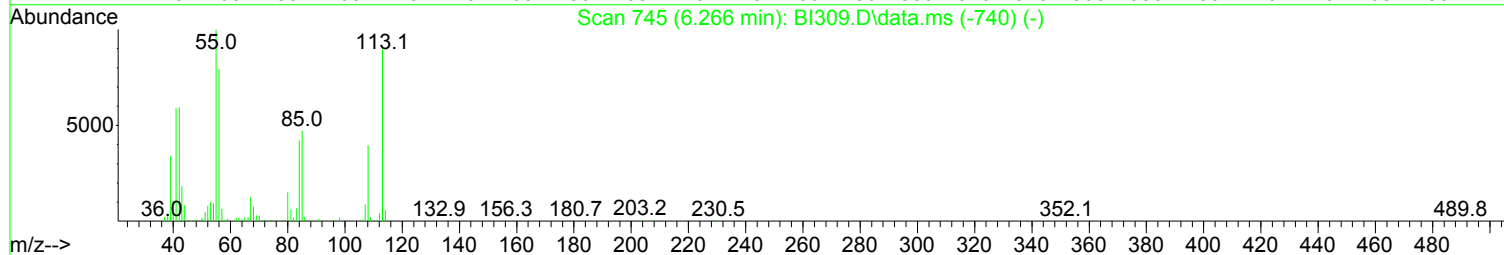
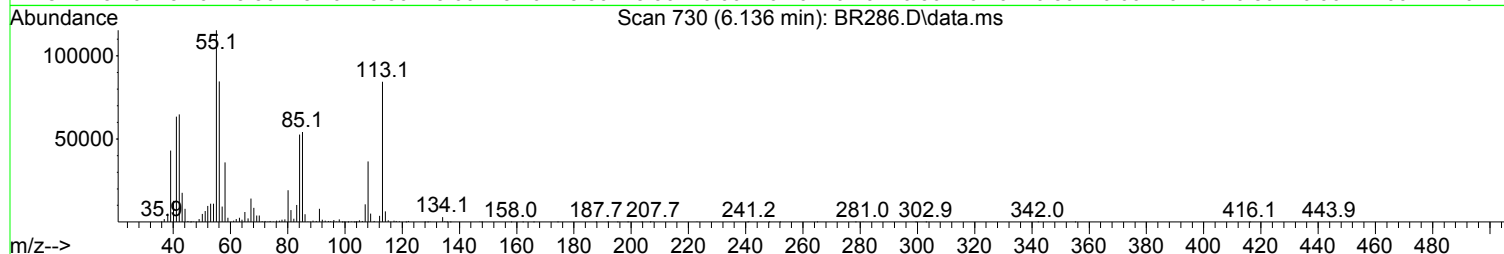
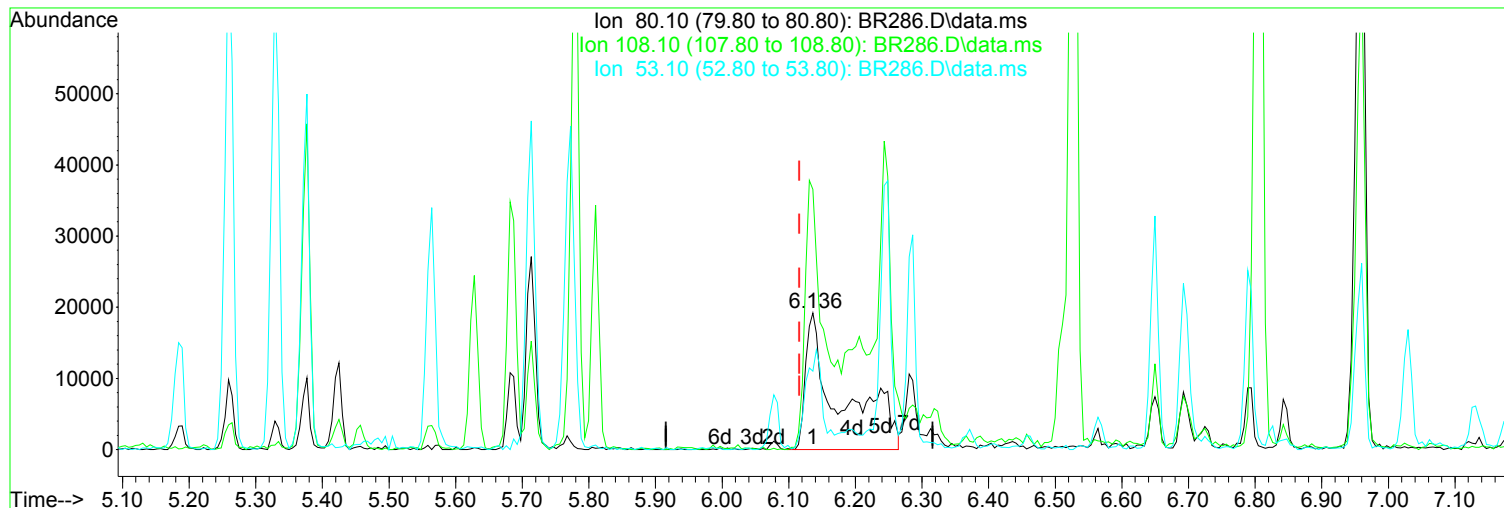
response 1092

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	0.00
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
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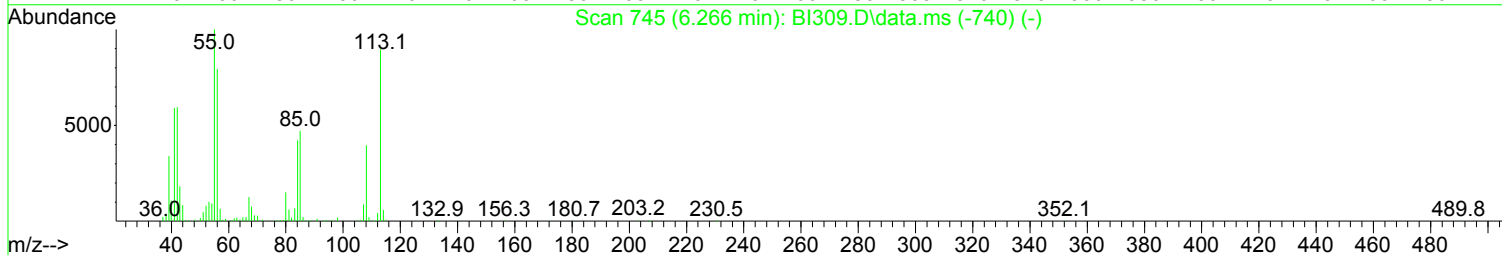
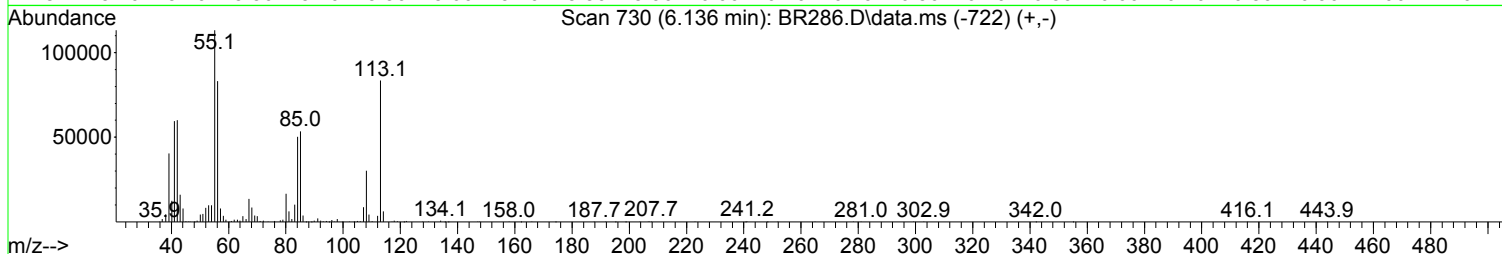
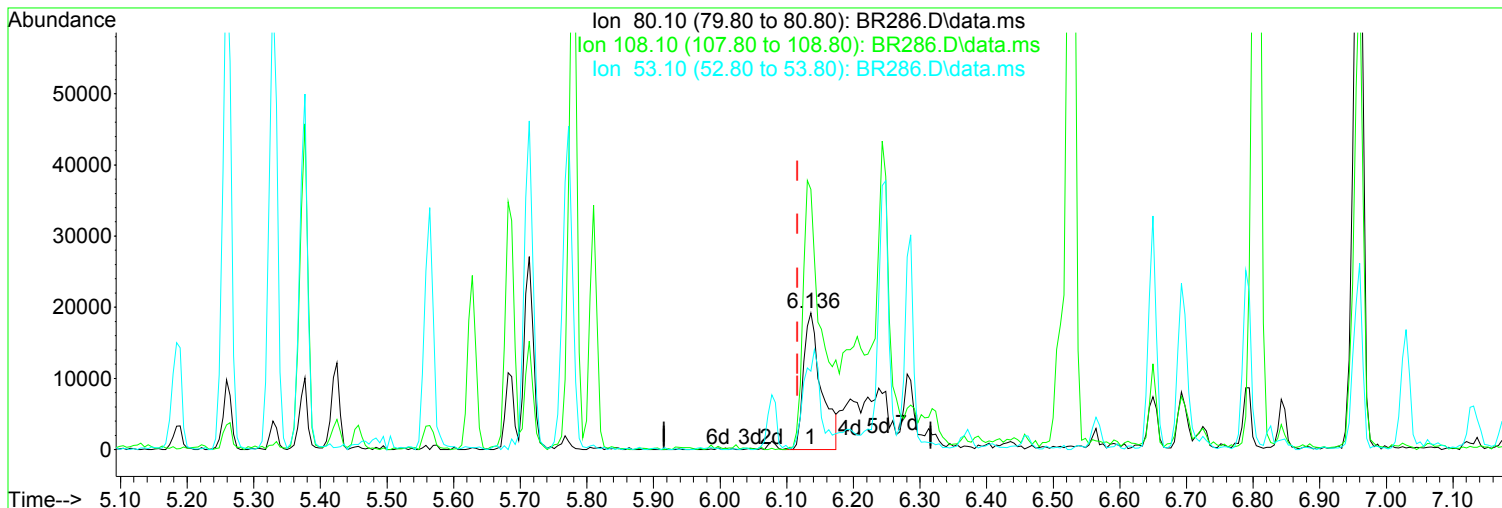
(53) p-Phenylenediamine (TM)

6.136min (+ 0.020)	145.21 ppm m	
response	69447	
Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	190.53
53.10	42.90	57.43
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



(53) p-Phenylenediamine (TM)

Manual Integration:

6.136min (+ 0.020) 75.25 ppm

Before

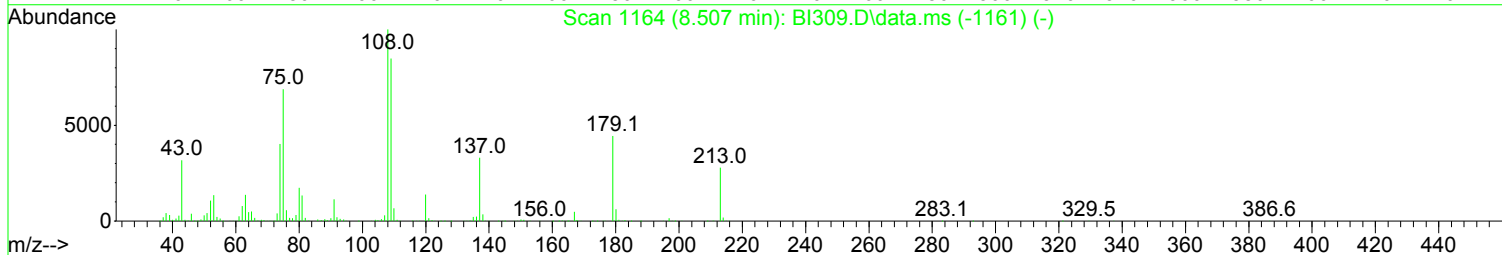
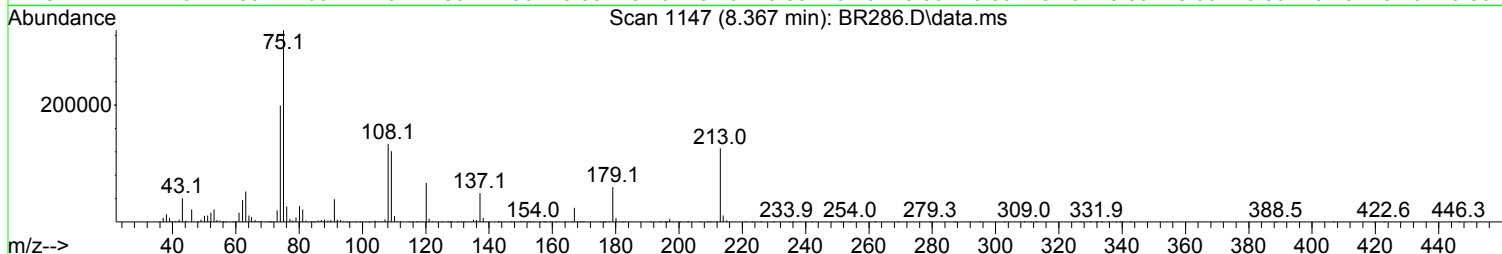
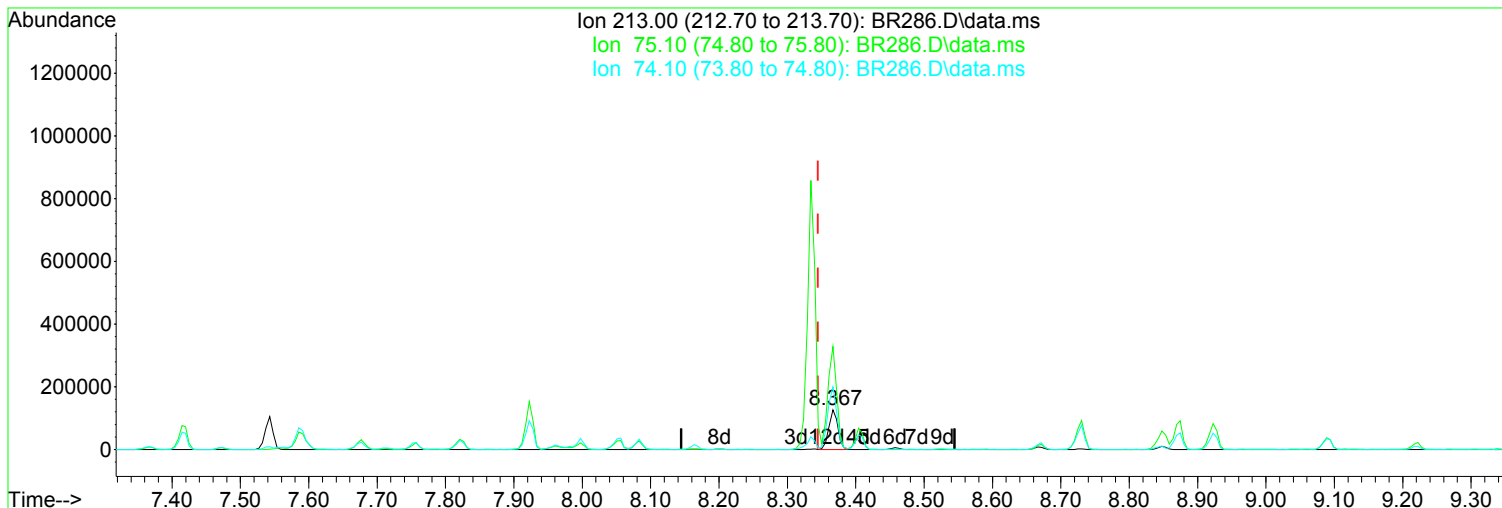
response 35988

Ion	Exp%	Act%
80.10	100.00	100.00
108.10	216.90	181.11
53.10	42.90	57.97
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
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Response via : Initial Calibration



(97) 1,3,5-Trinitrobenzene (TM)

Manual Integration:

8.367min (+ 0.022) 174.20 ppm m

After

response 114794

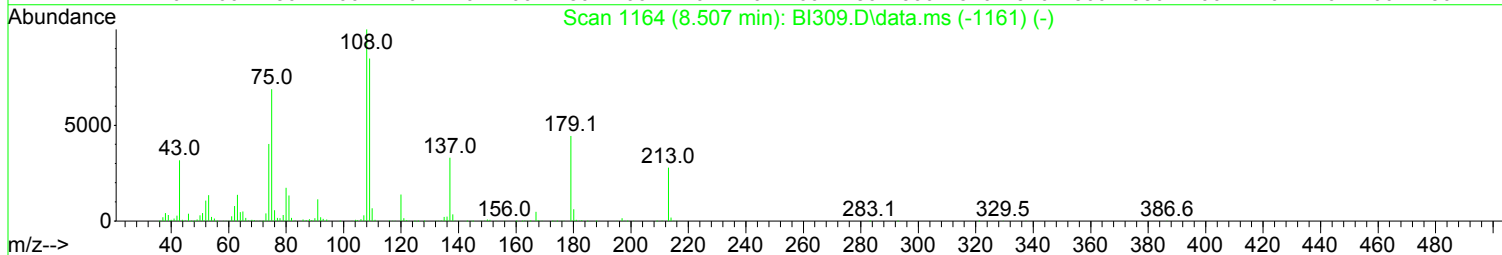
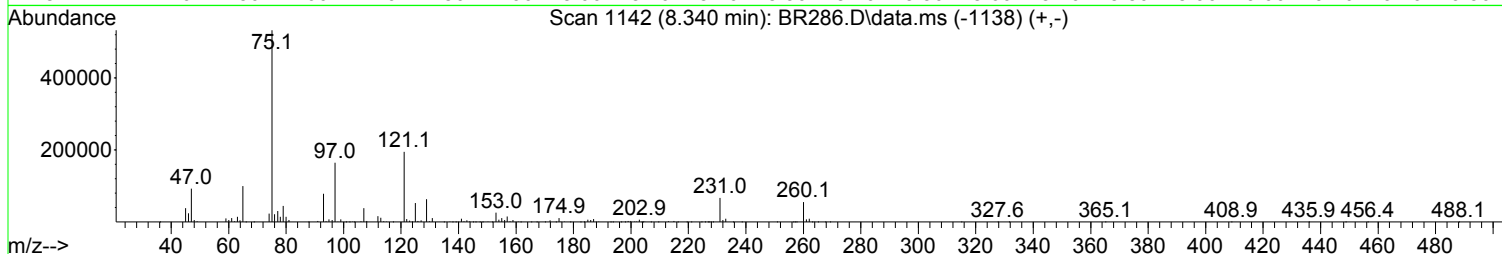
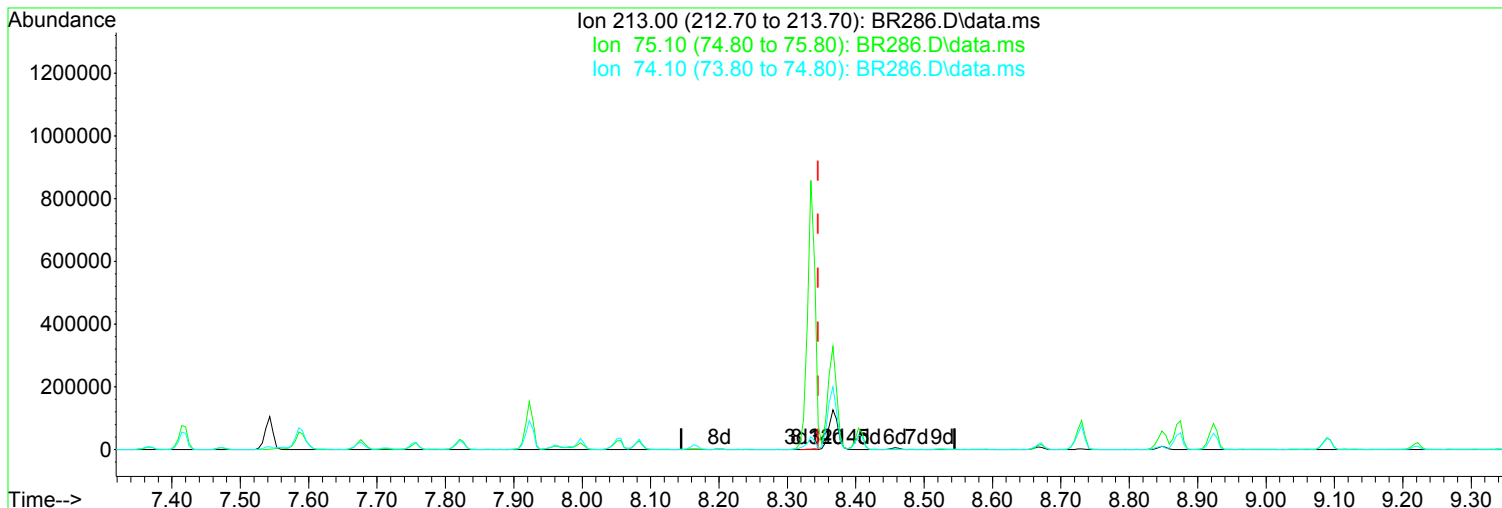
Wrong peak selected.

Ion	Exp%	Act%
213.00	100.00	100.00
75.10	0.00	260.61#
74.10	119.10	158.41
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
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Quant Time: Apr 11 10:31:18 2019
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 Response via : Initial Calibration



TIC: BR286.D\data.ms

(97) 1,3,5-Trinitrobenzene (TM)

Manual Integration:

8.340min (-0.005) 2.03 ppm

Before

response 1338

Ion Exp% Act%

04/11/19

213.00 100.00 100.00

75.10 0.00 36949.51#

74.10 119.10 1595.91#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR286.D
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 Operator : J.Misiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270D/625
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Quant Time: Apr 11 10:31:18 2019
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 Quant Title : 8270 BNA ANALYSIS
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.516	152	77934	40.00	ppm	0.00
33) d8-Naphthalene	5.681	136	300460	40.00	ppm	0.00
57) d10-Acenaphthene	7.382	164	175690	40.00	ppm	0.00
91) d10-Phenanthrene	8.848	188	326545	40.00	ppm	0.00
117) d12-Chrysene	11.966	240	336284	40.00	ppm	0.01
135) d12-Perylene	14.753	264	348159	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.435	112	487312	177.74	ppm	0.00
Spiked Amount	200.000	Range	10 - 70	Recovery	=	88.87%#
12) SURR2,PHENOL-D6	4.205	99	603532	177.40	ppm	0.00
Spiked Amount	200.000	Range	10 - 107	Recovery	=	88.70%
34) SURR4,NITROBENZENE-D5	5.024	82	527530	170.42	ppm	0.00
Spiked Amount	100.000	Range	31 - 110	Recovery	=	170.42%#
63) SURR5,2-FLUOROBIPHENYL	6.724	172	1152498	167.36	ppm	0.00
Spiked Amount	100.000	Range	31 - 118	Recovery	=	167.36%#
88) SURR3,2,4,6-TRIBROMOPH...	8.169	330	225811	177.36	ppm	0.00
Spiked Amount	200.000	Range	35 - 141	Recovery	=	88.68%
124) SURR6,TERPHENYL-D14	10.485	244	1368438	162.50	ppm	0.00
Spiked Amount	100.000	Range	10 - 165	Recovery	=	162.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Pyridine	2.371	79	475420	183.758	ppm	97
3) N-Nitrosodimethylamine	2.349	74	287875	182.970	ppm	93
4) 2-Picoline	2.964	93	485676	180.936	ppm	97
5) N-Nitrosomethylamine	3.055	42	216342	163.142	ppm	98
6) Methyl Methansulfonate	3.307	80	218003	175.958	ppm	98
8) N-Nitrosodiethylamine	3.617	102	216157	175.958	ppm	95
9) Ethyl Mathanesulfonate	3.868	79	401211	175.844	ppm	99
11) Aniline	4.237	93	805077	176.855	ppm	85
13) Phenol	4.216	94	667176	188.751	ppm	91
14) bis(2-Clethyl)Ether	4.285	93	417488	176.598	ppm	96
15) Pentachloroethane	4.275	117	196739	171.803	ppm	92
16) 2-Chlorophenol	4.339	128	520892	174.410	ppm	95
17) 1,3-Diclbzene	4.467	146	567358	171.598	ppm	98
18) 1,4-Dichlorobenzene	4.532	146	584135	173.694	ppm	96
19) 1,2-Diclbzene	4.665	146	559905	172.702	ppm	98
20) Benzyl Alcohol	4.649	79	402163	181.075	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.713	99	310984	168.704	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.751	45	425434	173.604	ppm	# 78
23) 2-Methylphenol	4.772	108	459476	177.286	ppm	92
24) 3+4-Methylphenol	4.901	108	539355	179.756	ppm	# 71
25) Acetophenone	4.879	105	693650	176.039	ppm	80
26) N-Nitroso-Di-n-propyla...	4.890	70	363429	176.116	ppm	91
27) N-Nitrosopyrrolidine	4.895	100	264054	181.328	ppm	69
28) N-Nitrosomorpholine	4.917	56	291088	189.912	ppm	95
29) o-Toluidine	4.917	106	737469	173.680	ppm	81
30) Hexachloroethane	4.965	117	238916	177.326	ppm	98
31) o,o,o-Triethylphosphor...	5.425	198	251921	173.257	ppm	98
32) Alpha-terpinol	5.714	121	186662	180.256	ppm	95
35) Nitrobenzene	5.045	77	556946	176.738	ppm	90
36) N-Nitrosopiperidine	5.184	42	301437	168.416	ppm	95
37) Isophorone	5.259	82	911639	170.992	ppm	99
38) 2-Nitrophenol	5.328	139	290989	175.150	ppm	89
39) Benzoic Acid	5.505	105	304179	166.842	ppm	97

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 Acq On : 14 Mar 2019 5:32 pm
 Operator : J.Misiurewicz
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 Misc : Initial Calibration 8270D/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 10:31:18 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Tue Apr 09 13:58:51 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 2,4-Dimethylphenol	5.377	107	533456	176.517	ppm	99
41) bis(-2-Chloroethoxy)Me...	5.457	93	537151	169.015	ppm	97
42) 2,4-Dichlorophenol	5.564	162	446623	175.839	ppm	99
43) a,a-Dimethylphenethyla...	6.238	58	941042m	161.486	ppm	
44) 1,2,4-Trichlorobenzene	5.628	180	478081	167.344	ppm	99
45) Naphthalene	5.708	128	1501195	168.318	ppm	99
46) 4-Chloroaniline	5.767	127	612397	169.117	ppm	98
47) 2,6-Dichlorophenol	5.772	162	468748	174.340	ppm	99
48) Hexachlorobutadiene	5.810	225	304902	172.827	ppm	97
49) Hexachloropropene	5.778	213	406462	175.778	ppm	98
50) 4-Chloro-3-methylphenol	6.248	107	437854	179.497	ppm	93
51) N-N-di-n-butylamine	6.077	84	329559	150.539	ppm	97
52) Caprolactam	6.141	113	153998	183.247	ppm	85
53) p-Phenylenediamine	6.136	80	69447m	145.209	ppm	
54) Safrole	6.286	162	395123	169.561	ppm	98
55) 2-Methylnaphthalene	6.366	142	1024531	168.263	ppm	98
56) 1-Methylnaphthalene	6.462	142	960073	167.305	ppm	98
58) Hexachlorocyclopentadiene	6.511	237	324950	160.756	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.527	216	519499	167.135	ppm	95
60) 1,2,3,4-Tetrachloroben...	6.805	216	539742	166.423	ppm	95
61) 2,4,6-Trichlorophenol	6.650	196	323808	174.638	ppm	98
62) 2,4,5-Trichlorophenol	6.692	196	347695	171.151	ppm	98
64) Isosafrole	6.789	104	207017	177.429	ppm	81
65) 1,1'-Biphenyl	6.826	154	1272970	161.043	ppm	99
66) 2-Chloronaphthalene	6.848	162	956343	165.003	ppm	97
67) 2-Nitroaniline	6.960	65	266324	172.681	ppm	99
68) 1,4-Naphthoquinone	7.029	158	273608	164.552	ppm	96
69) m-Dinitrobenzene	7.179	168	185281	177.493	ppm	86
70) Acenaphthylene	7.249	152	1550739	166.110	ppm	99
71) Dimethyl phthalate	7.136	163	1173834	167.254	ppm	99
72) 2,6-Dinitrotoluene	7.201	165	264509	175.162	ppm	78
73) Acenaphthene	7.420	153	1074566	164.665	ppm	100
74) 3-Nitroaniline	7.366	138	292680	176.006	ppm	94
75) 2,4-Dinitrophenol	7.473	184	159442	159.428	ppm	93
76) Dibenzofuran	7.586	168	1349413	158.430	ppm	89
77) 2,4-Dinitrotoluene	7.596	165	374132	175.398	ppm	80
78) 4-Nitrophenol	7.559	65	168216	155.610	ppm	# 80
79) Pentachlorobenzene	7.543	250	480807	160.245	ppm	99
80) 1-Naphthylamine	7.677	143	679704	165.234	ppm	97
81) 2-Naphthylamine	7.757	143	837008	163.869	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.714	232	307383	180.067	ppm	93
83) Fluorene	7.923	166	1142248	165.506	ppm	99
84) 4-Chlorophenyl-phenyle...	7.923	204	507649	163.263	ppm	90
85) Diethylphthalate	7.821	149	1242026	168.230	ppm	100
86) 4-Nitroaniline	7.981	138	301383	176.098	ppm	99
87) 5-Nitro-o-toluidine	7.960	152	351531	181.242	ppm	94
89) Sulfotepp	8.201	322	182738	172.428	ppm	96
90) Octachlorocyclopentene	8.163	307	237552	169.524	ppm	98
92) Thionazin	7.907	107	177213	159.640	ppm	94
93) 4,6-Dinitro-2-methylph...	7.997	198	233573	174.105	ppm	97
94) Diphenylamine	8.056	169	1777462	323.414	ppm	99
95) 1,2 Diphenylhydrazine	8.083	77	1107832	157.640	ppm	98
96) N-Nitrosodiphenylamine	8.056	169	1777899	323.468	ppm	99
97) 1,3,5-Trinirobenzene	8.367	213	114794m	174.204	ppm	
98) Diallate	8.324	86	410238	161.062	ppm	98
99) Phorate	8.334	121	212223	162.101	ppm	96

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ALS Vial : 12 Sample Multiplier: 1

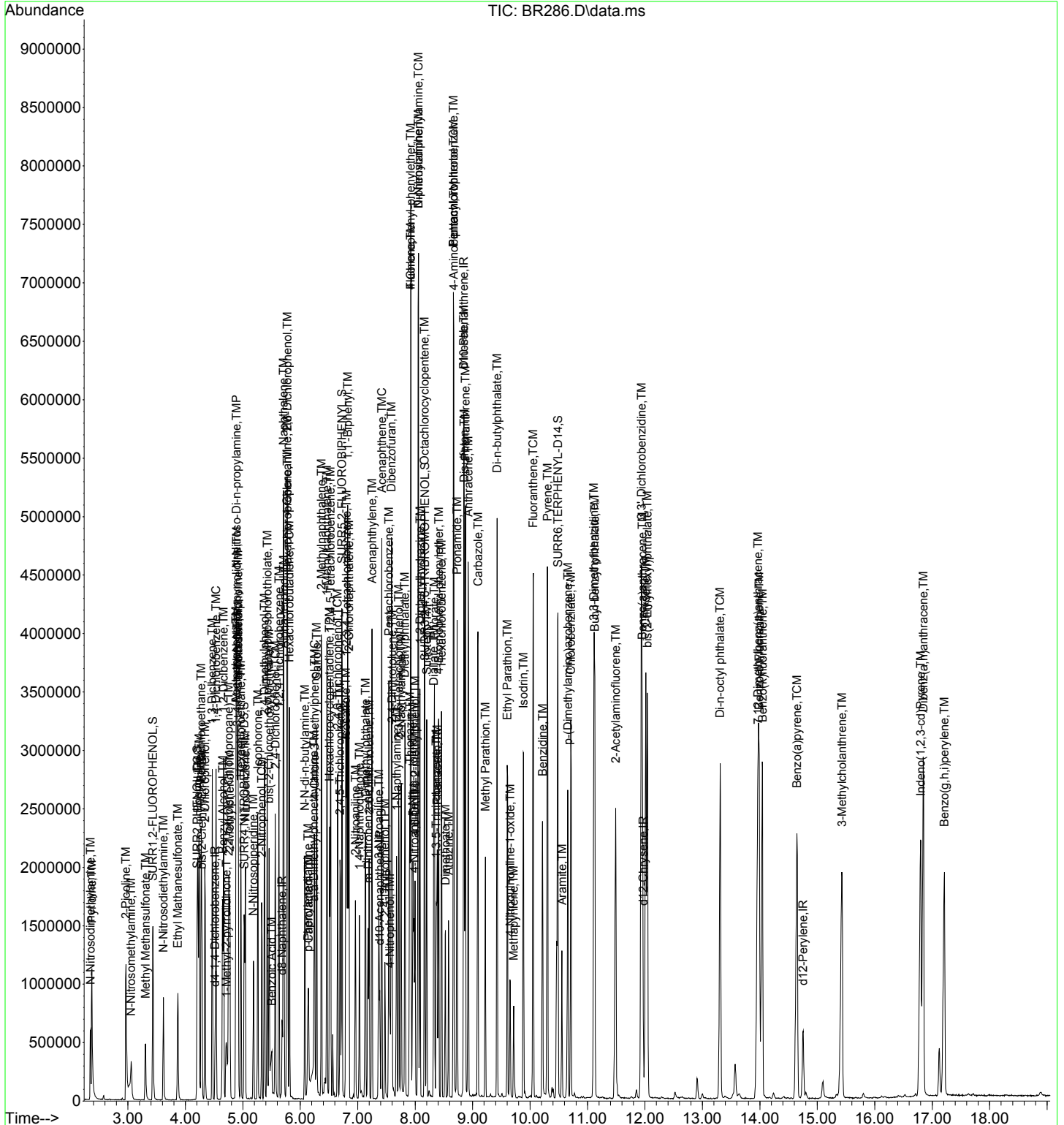
Quant Time: Apr 11 10:31:18 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.383	108	572352	166.116	ppm	97
101) 4-Bromophenyl-phenylether	8.409	248	327080	160.083	ppm	97
102) Hexachlorobenzene	8.457	284	412512	158.740	ppm	89
103) Dimethoate	8.527	87	275389	129.074	ppm	93
104) Atrazine	8.580	215	75122	106.518	ppm	88
105) Pentachlorophenol	8.666	266	251581	177.053	ppm	97
106) 4-Aminobiphenyl	8.671	169	845382	157.982	ppm	98
107) Pentachloronitrobenzene	8.666	237	201006	181.769	ppm	89
108) Pronamide	8.730	173	610628	170.106	ppm	98
109) Dinoseb	8.848	211	336683	177.483	ppm	100
110) Disulfoton	8.853	88	545306	152.837	ppm	96
111) Phenanthrene	8.875	178	1687037	159.374	ppm	99
112) Anthracene	8.923	178	1674846	161.152	ppm	99
113) Carbazole	9.094	167	1592395	161.640	ppm	99
114) Di-n-butylphthalate	9.426	149	2223176	168.004	ppm	99
115) 4-Nitroquinoline-1-oxide	9.656	190	124811	170.526	ppm	93
116) Fluoranthene	10.057	202	1910201	164.406	ppm	99
118) Methyl Parathion	9.222	109	312284	161.367	ppm	96
119) Ethyl Parathion	9.602	97	288270	175.091	ppm	99
120) Methapyrilene	9.714	58	222212	164.123	ppm	95
121) Isodrin	9.886	193	197860	172.201	ppm	92
122) Benzidine	10.217	184	980029	169.016	ppm	99
123) Pyrene	10.303	202	1920121	162.633	ppm	99
125) Aramite	10.554	185	205677m	167.654	ppm	
126) p-(Dimethylamino)azobe...	10.656	120	503431	173.433	ppm	96
127) Chlorobenzilate	10.709	139	639332	173.492	ppm	95
128) Butyl benzyl phthalate	11.126	149	1031791	174.186	ppm	96
129) 3,3-Dimethylbenzidine	11.110	212	1100107	173.604	ppm	97
130) 2-Acetylaminofluorene	11.490	181	822645	176.654	ppm	98
131) 3,3'-Dichlorobenzidine	11.939	252	785837	174.950	ppm	98
132) Benzo(a)anthracene	11.950	228	1894451	169.286	ppm	99
133) Chrysene	12.014	228	1729292	162.799	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.041	149	1476531	178.967	ppm	98
136) Di-n-octyl phthalate	13.309	149	2475534	176.292	ppm	99
137) 7,12-Dimethylbenz(a)an...	13.967	256	898071	170.838	ppm	99
138) Benzo(b)Fluoranthene	13.988	252	2072942	171.896	ppm	97
139) Benzo(k)fluoranthene	14.047	252	1874173	166.497	ppm	99
140) Benzo(a)pyrene	14.646	252	1754574	174.619	ppm	99
141) 3-Methylcholanthrene	15.427	268	1009754	172.225	ppm	97
142) Indeno(1,2,3-cd)Pyrene	16.801	276	1721976	167.502	ppm	93
143) Dibenz(a,h)anthracene	16.844	278	1828050	166.932	ppm	98
144) Benzo(g,h,i)perylene	17.213	276	1439237	159.162	ppm	97

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

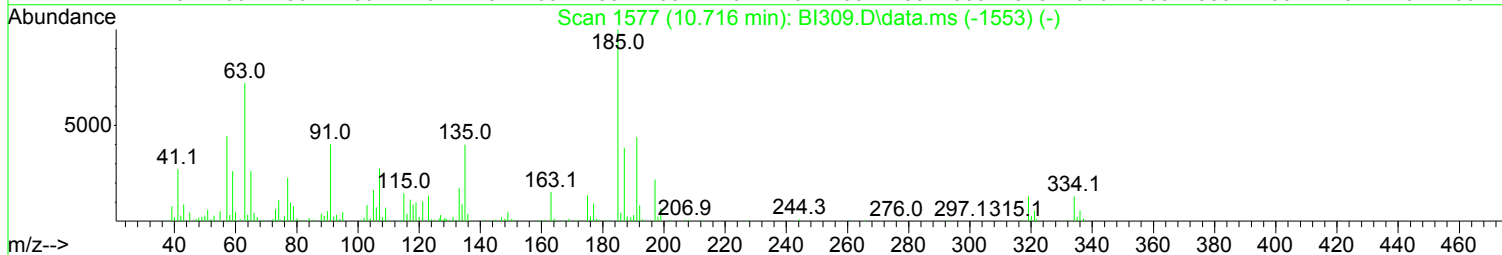
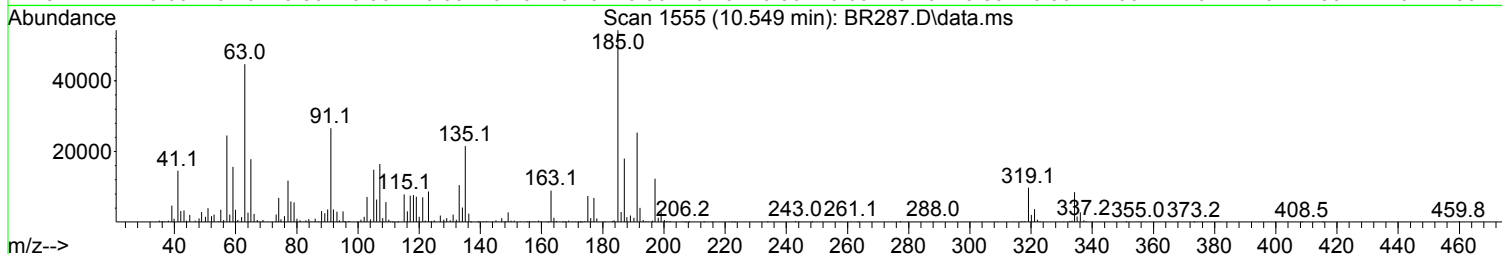
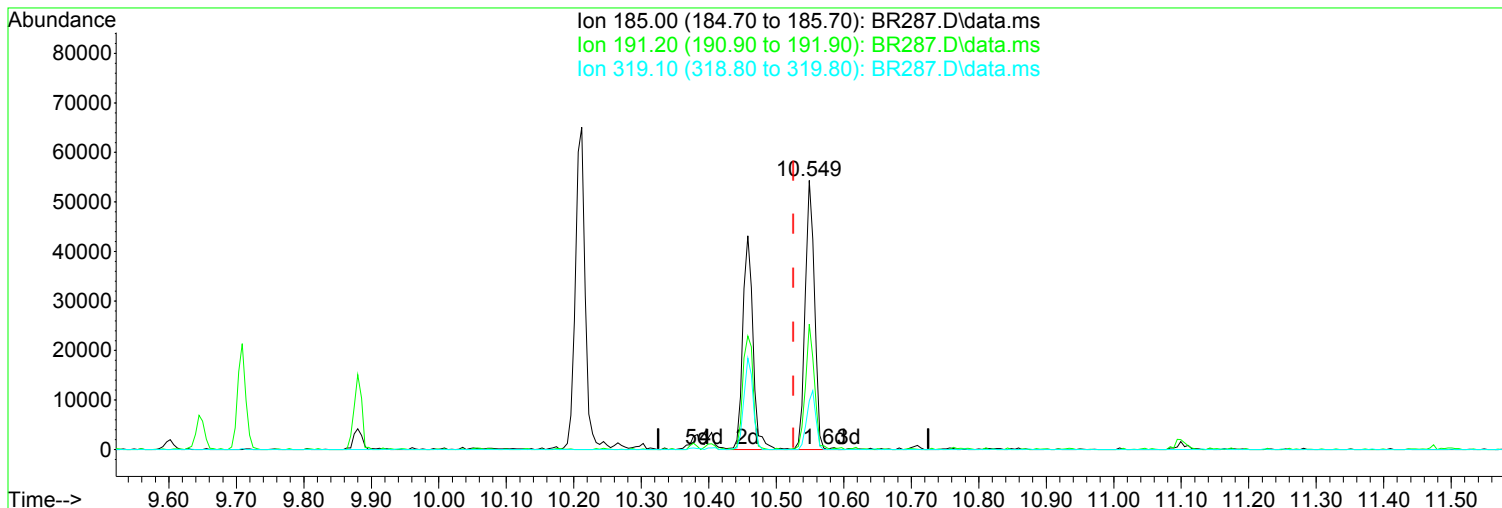
Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR286.D
Acq On : 14 Mar 2019 5:32 pm
Operator : J.Misiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270D/625
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : 8270 BNA ANALYSIS
QLast Update : Tue Apr 09 13:58:51 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



TIC: BR287.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.023) 82.49 ppm m

After

response 97847

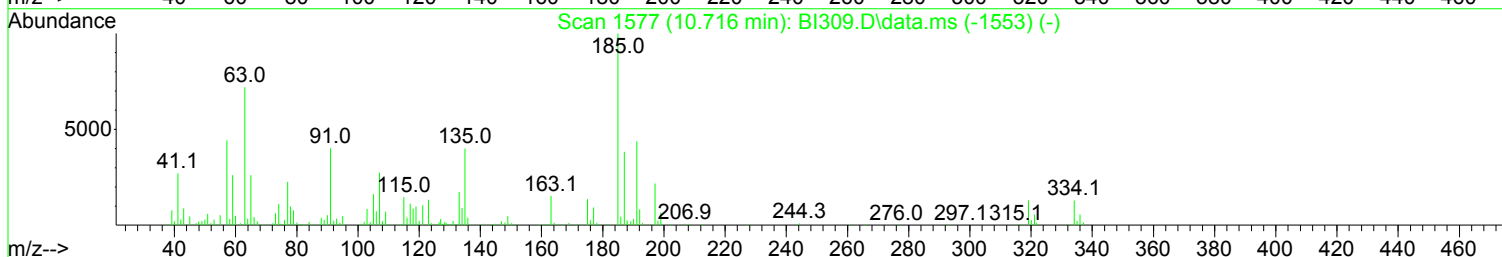
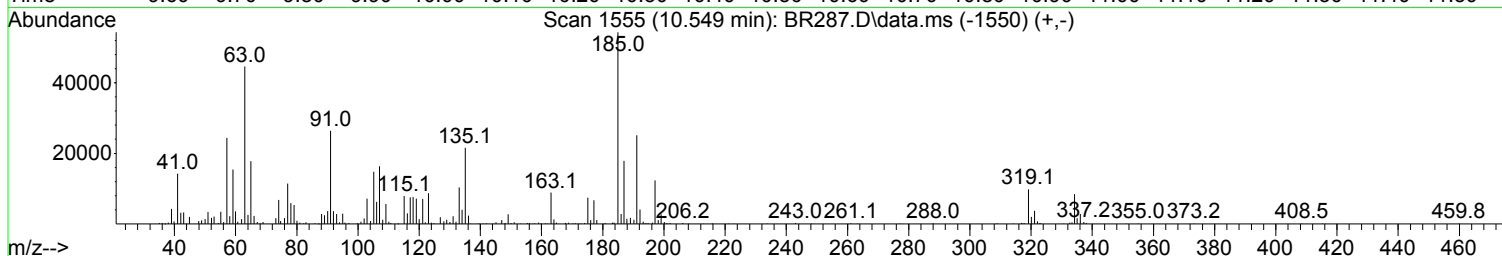
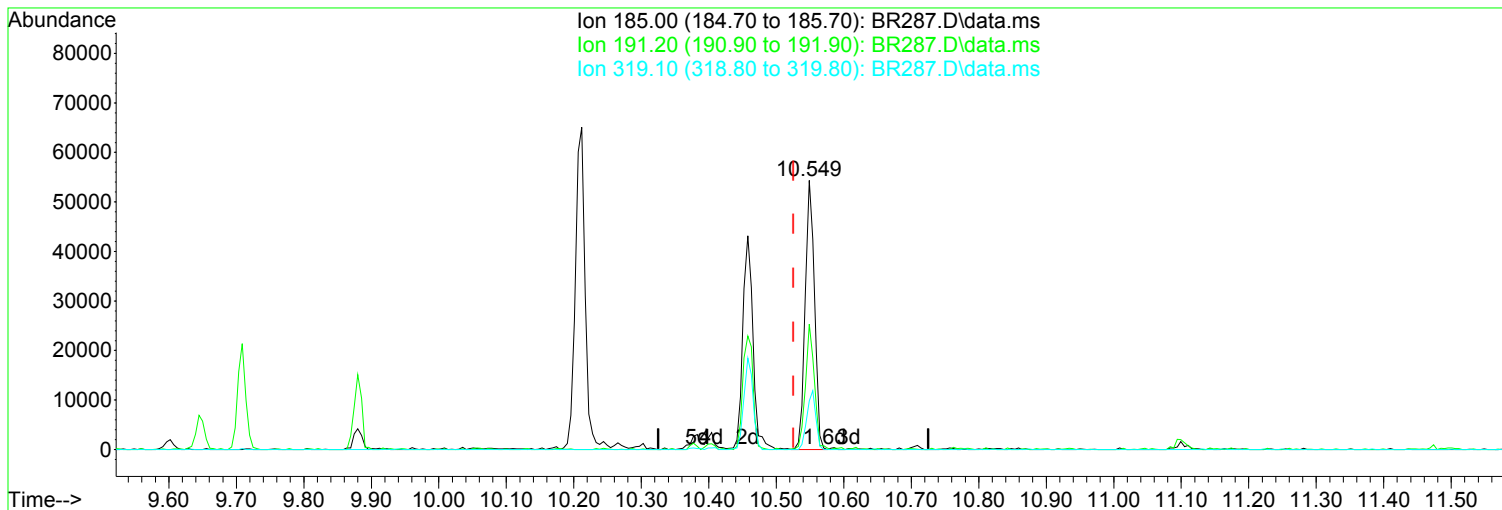
Split Peak.

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.60
319.10	17.60	18.06
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



TIC: BR287.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.549min (+ 0.023) 43.88 ppm

Before

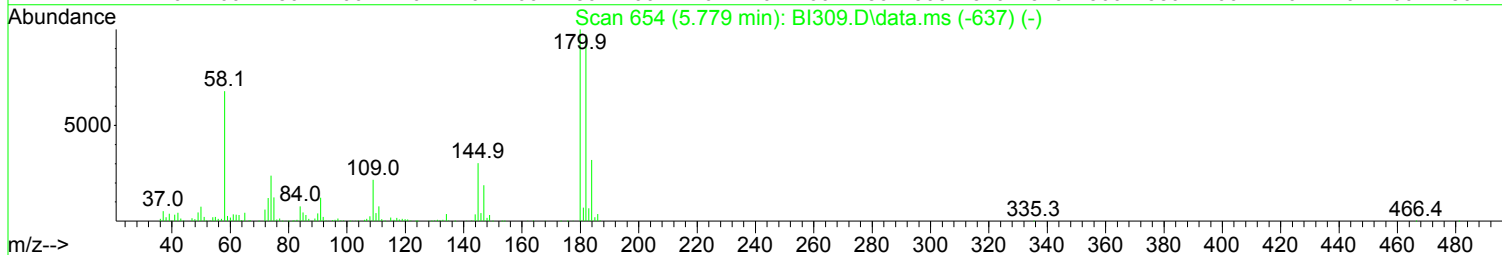
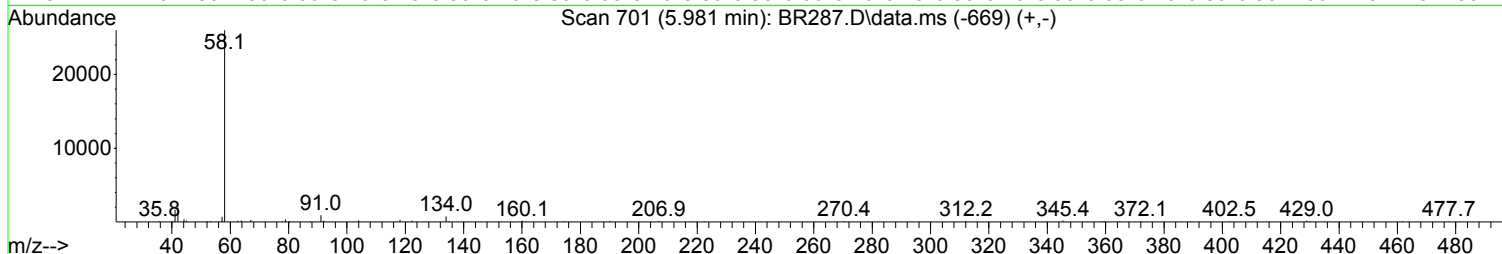
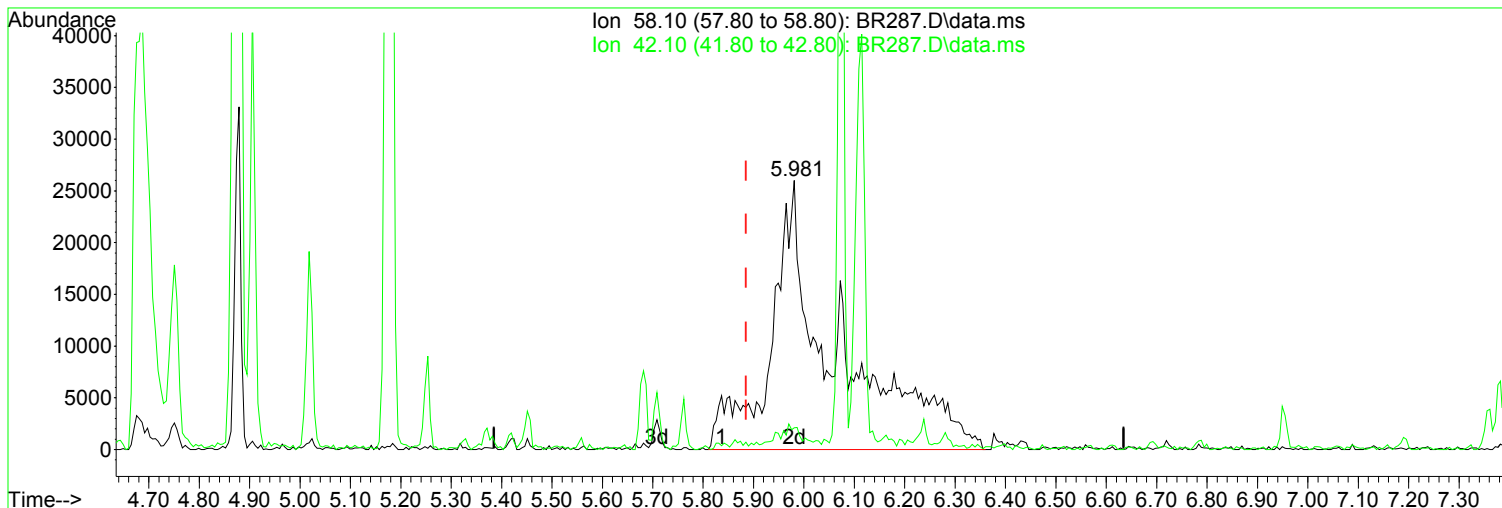
response 52050

Ion	Exp%	Act%
185.00	100.00	100.00
191.20	47.90	46.21
319.10	17.60	18.06
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.981min (+ 0.096) 38.99 ppm m

After

response 229493

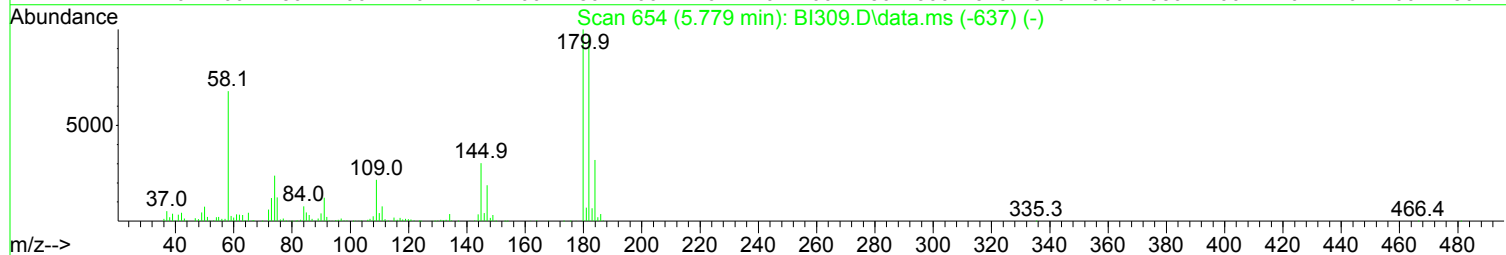
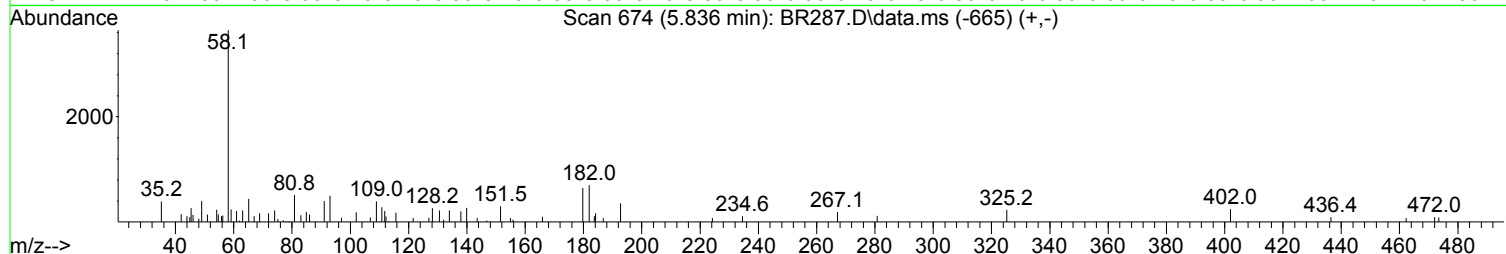
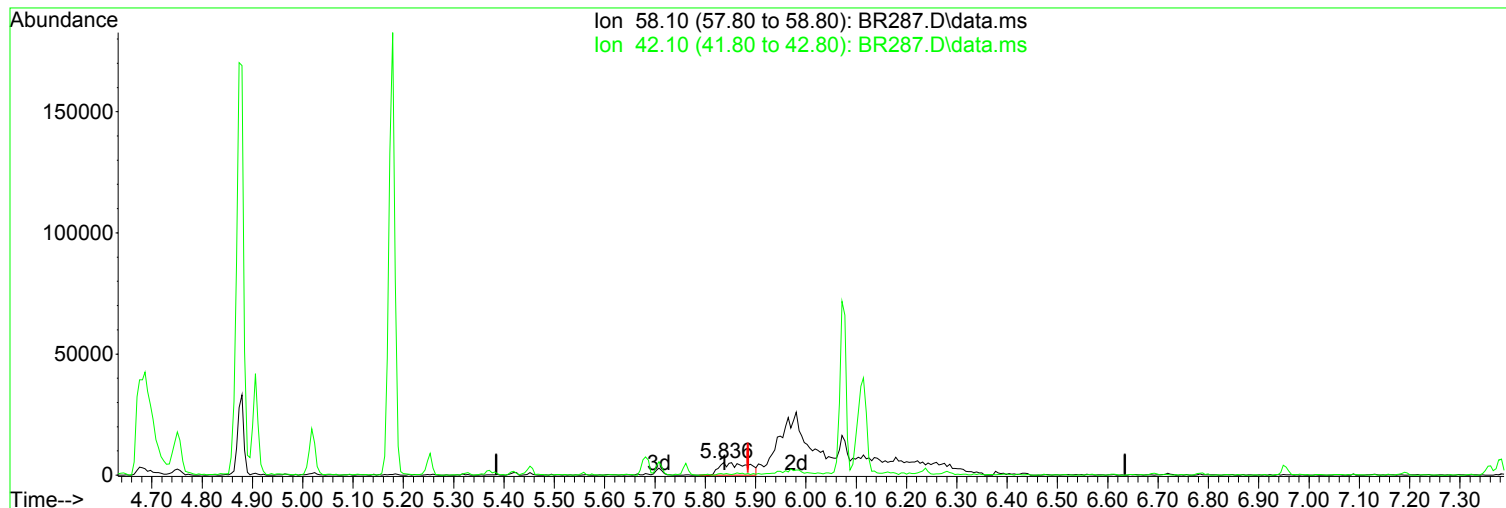
Poor integration.

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	8.06
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
Data File : BR287.D
Acq On : 14 Mar 2019 6:00 pm
Operator : J.Misiurewicz
Sample : ICV
Misc : Initial Calibration 8270D/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Thu Apr 11 11:28:20 2019
Response via : Initial Calibration



TIC: BR287.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.836min (-0.049) 3.50 ppm

Before

response 20596

Ion	Exp%	Act%
58.10	100.00	100.00
42.10	6.70	4.14
0.00	0.00	0.00
0.00	0.00	0.00

04/11/19

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	40.000	40.000	0.0	93	0.00
2	TM Pyridine	80.000	82.157	-2.7	94	-0.03
3	TM N-Nitrosodimethylamine	80.000	75.212	6.0	84	-0.01
4	TM 2-Picoline	80.000	84.397	-5.5	94	-0.01
5	TM N-Nitrosomethylamine	80.000	74.890	6.4	93	0.00
6	TM Methyl Methansulfonate	80.000	81.035	-1.3	94	0.00
7	S SURR1,2-FLUOROPHENOL	80.000	79.656	0.4	90	0.00
8	TM N-Nitrosodiethylamine	80.000	77.698	2.9	85	0.00
9	TM Ethyl Mathanesulfonate	80.000	77.192	3.5	89	0.00
10	TM Benzaldehyde	80.000	77.707	2.9	88	0.00
11	TM Aniline	80.000	80.704	-0.9	92	0.00
12	S SURR2, PHENOL-D6	80.000	77.764	2.8	89	0.00
13	TMC Phenol	80.000	77.733	2.8	91	0.00
14	TM bis(2-Clethyl)Ether	80.000	82.291	-2.9	94	0.00
15	TM Pentachloroethane	80.000	71.830	10.2	84	0.00
16	TM 2-Chlorophenol	80.000	79.898	0.1	92	0.00
17	TM 1,3-Diclbzence	80.000	77.946	2.6	90	0.00
18	TMC 1,4-Dichlorobenzene	80.000	76.739	4.1	90	0.00
19	TM 1,2-Diclbzence	80.000	76.167	4.8	87	0.00
20	TM Benzyl Alcohol	80.000	80.615	-0.8	90	0.00
21	T 1-Methyl-2-pyrrolidinone	80.000	83.453	-4.3	94	0.00
22	TM 2,2'-oxybis(1-Chloropropane	80.000	100.066	-25.1#	116	0.00
23	TM 2-Methylphenol	80.000	78.917	1.4	89	0.01
24	TM 3+4-Methylphenol	80.000	80.305	-0.4	88	0.00
25	TM Acetophenone	80.000	79.015	1.2	90	0.00
26	TMP N-Nitroso-Di-n-propylamine	80.000	82.333	-2.9	95	0.00
27	TM N-Nitrosopyrrolidine	80.000	85.899	-7.4	97	0.00
28	TM N-Nitrosomorpholine	80.000	79.032	1.2	94	0.00
29	TM o-Toluidine	80.000	80.004	-0.0	93	0.00
30	TM Hexachloroethane	80.000	79.059	1.2	90	0.00
31	TM o,o,o-Triethylphosphorothio	80.000	83.646	-4.6	95	0.00
32	TM Alpha-terpinol	80.000	87.292	-9.1	96	0.00
33	IR d8-Naphthalene	40.000	40.000	0.0	94	0.00
34	S SURR4,NITROBENZENE-D5	80.000	75.919	5.1	89	0.00
35	TM Nitrobenzene	80.000	73.533	8.1	86	0.00
36	TM N-Nitrosopiperidine	80.000	82.202	-2.8	99	0.00
37	TM Isophorone	80.000	65.542	18.1	77	0.00
38	TCM 2-Nitrophenol	80.000	75.250	5.9	89	0.00
39	TM Benzoic Acid	80.000	76.641	4.2	86	0.01
40	TM 2,4-Dimethylphenol	80.000	77.867	2.7	91	0.00
41	TM bis(-2-Chloroethoxy)Methane	80.000	78.312	2.1	94	0.00
42	TCM 2,4-Dichlorophenol	80.000	79.558	0.6	91	0.00
43	TM a,a-Dimethylphenethylamine 40	80.000	38.989	2.5	51.3#	49 0.10
44	TM 1,2,4-Trichlorobenzene	80.000	73.315	8.4	88	0.00
45	TM Naphthalene	80.000	77.410	3.2	92	0.00
46	TM 4-Chloroaniline	80.000	77.105	3.6	91	0.00
47	TM 2,6-Dichlorophenol	80.000	73.567	8.0	86	0.00
48	TCM Hexachlorobutadiene	80.000	76.599	4.3	92	0.00
49	TM Hexachloropropene	80.000	71.495	10.6	85	0.00
50	TMC 4-Chloro-3-methylphenol	80.000	77.665	2.9	90	0.00
51	TM N-N-di-n-butylamine	80.000	71.313	10.9	92	0.00

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52 TM	Caprolactam	80.000	80.922	-1.2	96	0.02
53 TM	p-Phenylenediamine	80.000	116.936	-46.2#	143	0.00
54 TM	Safrole	80.000	76.237	4.7	93	0.00
55 TM	2-Methylnaphthalene	80.000	70.527	11.8	84	0.00
56 TM	1-Methylnaphthalene	80.000	76.604	4.2	91	0.00
57 IR	d10-Acenaphthene	40.000	40.000	0.0	95	0.00
58 TPM	Hexachlorocyclopentadiene	80.000	78.274	2.2	90	0.00
59 TM	1,2,4,5-Tetrachlorobenzene	80.000	73.594	8.0	86	0.00
60 TM	1,2,3,4-Tetrachlorobenzene	80.000	76.453	4.4	89	0.00
61 TCM	2,4,6-Trichlorophenol	80.000	83.503	-4.4	91	0.00
62 TM	2,4,5-Trichlorophenol	80.000	72.230	9.7	85	0.00
63 S	SURR5,2-FLUOROBIPHENYL	80.000	77.663	2.9	88	0.00
64 TM	Isosafrole	80.000	78.514	1.9	92	0.00
65 TM	1,1'-Biphenyl	80.000	79.381	0.8	93	0.00
66 TM	2-Chloronaphthalene	80.000	76.016	5.0	90	0.00
67 TM	2-Nitroaniline	80.000	85.820	-7.3	99	0.00
68 TM	1,4-Naphthoquinone	80.000	71.362	10.8	83	0.00
69 TM	m-Dinitrobenzene	80.000	75.441	5.7	83	0.00
70 TM	Acenaphthylene	80.000	78.660	1.7	90	0.00
71 TM	Dimethyl phthalate	80.000	71.412	10.7	85	0.00
72 TM	2,6-Dinitrotoluene	80.000	75.485	5.6	84	0.00
73 TMC	Acenaphthene	80.000	72.537	9.3	84	0.00
74 TM	3-Nitroaniline	80.000	87.027	-8.8	98	0.00
75 TPM	2,4-Dinitrophenol	80.000	79.893	0.1	93	0.00
76 TM	Dibenzofuran	80.000	76.308	4.6	87	0.00
77 TM	2,4-Dinitrotoluene	80.000	74.768	6.5	84	0.00
78 TMP	4-Nitrophenol	80.000	76.291	4.6	84	0.00
79 TM	Pentachlorobenzene	80.000	73.312	8.4	88	0.00
80 TM	1-Naphthylamine	80.000	83.057	-3.8	98	0.00
81 TM	2-Naphthylamine	80.000	70.724	11.6	83	0.00
82 TM	2,3,4,6-Tetrachlorophenol	80.000	73.953	7.6	85	0.00
83 TM	Fluorene	80.000	73.459	8.2	87	0.00
84 TM	4-Chlorophenyl-phenylether	80.000	78.481	1.9	93	0.00
85 TM	Diethylphthalate	80.000	71.136	11.1	84	0.00
86 TM	4-Nitroaniline	80.000	83.738	-4.7	97	0.00
87 TM	5-Nitro-o-toluidine	80.000	79.708	0.4	92	0.00
88 S	SURR3,2,4,6-TRIBROMOPHENOL	80.000	80.315	-0.4	91	0.00
89 TM	Sulfotepp	80.000	81.158	-1.4	96	0.00
90 TM	Octachlorocyclopentene	80.000	79.483	0.6	88	0.00
91 IR	d10-Phenanthrene	40.000	40.000	0.0	94	0.00
92 TM	Thionazin	80.000	78.355	2.1	90	0.00
93 TM	4,6-Dinitro-2-methylphenol	80.000	78.189	2.3	88	0.00
94 TM	Diphenylamine	160.000	157.250	1.7	92	0.00
95 TM	1,2 Diphenylhydrazine	80.000	77.799	2.8	92	0.00
96 TCM	N-Nitrosodiphenylamine	160.000	157.237	1.7	92	0.00
97 TM	1,3,5-Trinitrobenzene	80.000	79.435	0.7	87	0.00
98 TM	Diallate	80.000	77.084	3.6	92	0.00
99 TM	Phorate	80.000	83.194	-4.0	96	0.00
100 TM	Phenacetin	80.000	85.131	-6.4	91	0.00
101 TM	4-Bromophenyl-phenylether	80.000	79.755	0.3	93	0.00

Data Path : I:\ACQUDATA\5973D\Data\031419\
 Data File : BR287.D
 Acq On : 14 Mar 2019 6:00 pm
 Operator : J.Misiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270D/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 11 12:02:09 2019
 Quant Method : I:\ACQUDATA\5973D\Methods\8270031419D.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Thu Apr 11 11:28:20 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	80.000	74.041	7.4	91	0.00
103	TM Dimethoate	80.000	73.828	7.7	87	0.00
104	TM Atrazine	80.000	95.870	-19.8	101	0.00
105	TCM Pentachlorophenol	80.000	85.805	-7.3	96	0.00
106	TM 4-Aminobiphenyl	80.000	78.000	2.5	85	0.00
107	TM Pentachloronitrobenzene	80.000	75.553	5.6	85	0.00
108	TM Pronamide	80.000	84.713	-5.9	91	0.00
109	TM Dinoseb	80.000	76.339	4.6	84	0.00
110	TM Disulfoton	80.000	82.251	-2.8	99	0.00
111	TM Phenanthrene	80.000	73.261	8.4	85	0.00
112	TM Anthracene	80.000	74.378	7.0	86	0.00
113	TM Carbazole	80.000	79.863	0.2	90	0.00
114	TM Di-n-butylphthalate	80.000	73.726	7.8	83	0.00
115	TM 4-Nitroquinoline-1-oxide	80.000	76.878	3.9	86	0.00
116	TCM Fluoranthene	80.000	77.101	3.6	86	0.00
117	IR d12-Chrysene	40.000	40.000	0.0	94	0.00
118	TM Methyl Parathion	80.000	75.598	5.5	83	0.00
119	TM Ethyl Parathion	80.000	85.291	-6.6	92	0.00
120	TM Methapyrilene	80.000	112.023	-40.0#	127	0.00
121	TM Isodrin	80.000	78.192	2.3	90	0.00
122	TM Benzidine	80.000	86.550	-8.2	95	0.00
123	TM Pyrene	80.000	77.490	3.1	86	0.00
124	S SURR6, TERPHENYL-D14	80.000	77.853	2.7	90	0.00
125	TM Aramite	80.000	82.486	-3.1	93	0.02
126	TM p-(Dimethylamino)azobenzene	80.000	83.452	-4.3	89	0.00
127	TM Chlorobenzilate	80.000	84.824	-6.0	93	0.00
128	TM Butyl benzyl phthalate	80.000	76.968	3.8	86	0.00
129	TM 3,3-Dimethylbenzidine	80.000	84.052	-5.1	91	0.00
130	TM 2-Acetylaminofluorene	80.000	87.101	-8.9	94	0.00
131	TM 3,3'-Dichlorobenzidine	80.000	81.658	-2.1	90	0.00
132	TM Benzo(a)anthracene	80.000	76.111	4.9	86	0.00
133	TM Chrysene	80.000	77.049	3.7	89	0.00
134	TM bis(2-Ethylhexyl)phthalate	80.000	73.575	8.0	83	0.00
135	IR d12-Perylene	40.000	40.000	0.0	95	0.00
136	TCM Di-n-octyl phthalate	80.000	74.422	7.0	83	0.00
137	TM 7,12-Dimethylbenz(a)anthrac	80.000	81.851	-2.3	92	0.01
138	TM Benzo(b)Fluoranthene	80.000	76.402	4.5	87	0.01
139	TM Benzo(k)fluoranthene	80.000	76.766	4.0	89	0.00
140	TCM Benzo(a)pyrene	80.000	79.122	1.1	88	0.00
141	TM 3-Methylcholanthrene	80.000	77.573	3.0	87	0.00
142	TM Indeno(1,2,3-cd)Pyrene	80.000	77.174	3.5	87	0.00
143	TM Dibenz(a,h)anthracene	80.000	75.076	6.2	85	0.00
144	TM Benzo(g,h,i)perylene	80.000	89.999	-12.5	105	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 3/14/19 8:32

ICAL Tune Summary
Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973D\DATA\031419\BR273.D
Instrument ID: R-MS-S4

Analytical Method: 8270D

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	38.5	24993	PASS
68	69	0	2	1.2	330	PASS
69	198	0	100	44.0	28555	PASS
70	69	0	2	0.0	0	PASS
127	198	10	80	52.4	34029	PASS
197	198	0	2	0.4	240	PASS
198	198	100	100	100.0	64945	PASS
199	198	5	9	7.6	4919	PASS
275	198	10	60	29.8	19341	PASS
365	198	1	100	6.0	3917	PASS
441	442	0.01	24	16.4	12645	PASS
442	442	100	100	100.0	77181	PASS
443	442	15	24	18.5	14302	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
BLK	BLK	I:\ACQUDATA\5973D\DATA\031419\BR278.D	3/14/19 13:45
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR279.D	3/14/19 14:14
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR280.D	3/14/19 14:41
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR281.D	3/14/19 15:09
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR282.D	3/14/19 15:37
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR283.D	3/14/19 16:06
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR284.D	3/14/19 16:34
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR285.D	3/14/19 17:03
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973D\DATA\031419\BR286.D	3/14/19 17:32
ICV	ICV	I:\ACQUDATA\5973D\DATA\031419\BR287.D	3/14/19 18:00

Analysis: 625 ko / 8270 / 615
 Date: 3/14/19
 Syringes: _____

Analyst: OnScrewline
 Instr. 5973D R-MS-54

Run Method: 625 ko / Nre / 8270
 Quant Method: _____

LIMS Run#: _____

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			B2272	—	
2	Tune					
3	CEV		194164	73	✓	
4	CEV <u>625 ko</u>			74	Ⓝ	
5	K/F Low			75	+	
6	<u>5</u> H6H			76	—	
4	Blk			77	—	
5	R5 <u>per STD</u>			78	✓	
6	S.0		197732	79	✓	
7	10		33	80	✓	
8	50		34	81	✓	
9	80		35	82	✓	
10	100		36	83	✓	
11	120		38	84	✓	
12	160		39	85	✓	
13	ICV		40	86	✓	
			197742	87	✓	

AC1700039
 8270 3/14/19 D.M.
 8270031419 D.S.

on 3/14/19

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

All samples = _____ mL + _____ uL Combined IS/Surr.;

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Data Path : I:\ACQUADATA\5973A\DATA\043019\
 Data File : DR849.D
 Acq On : 30 Apr 2019 3:07 pm
 Operator : JMisiurewicz
 Sample : ICV #2
 Misc : Initial Calibration 8270/625
 ALS Vial : 15 Sample Multiplier: 1

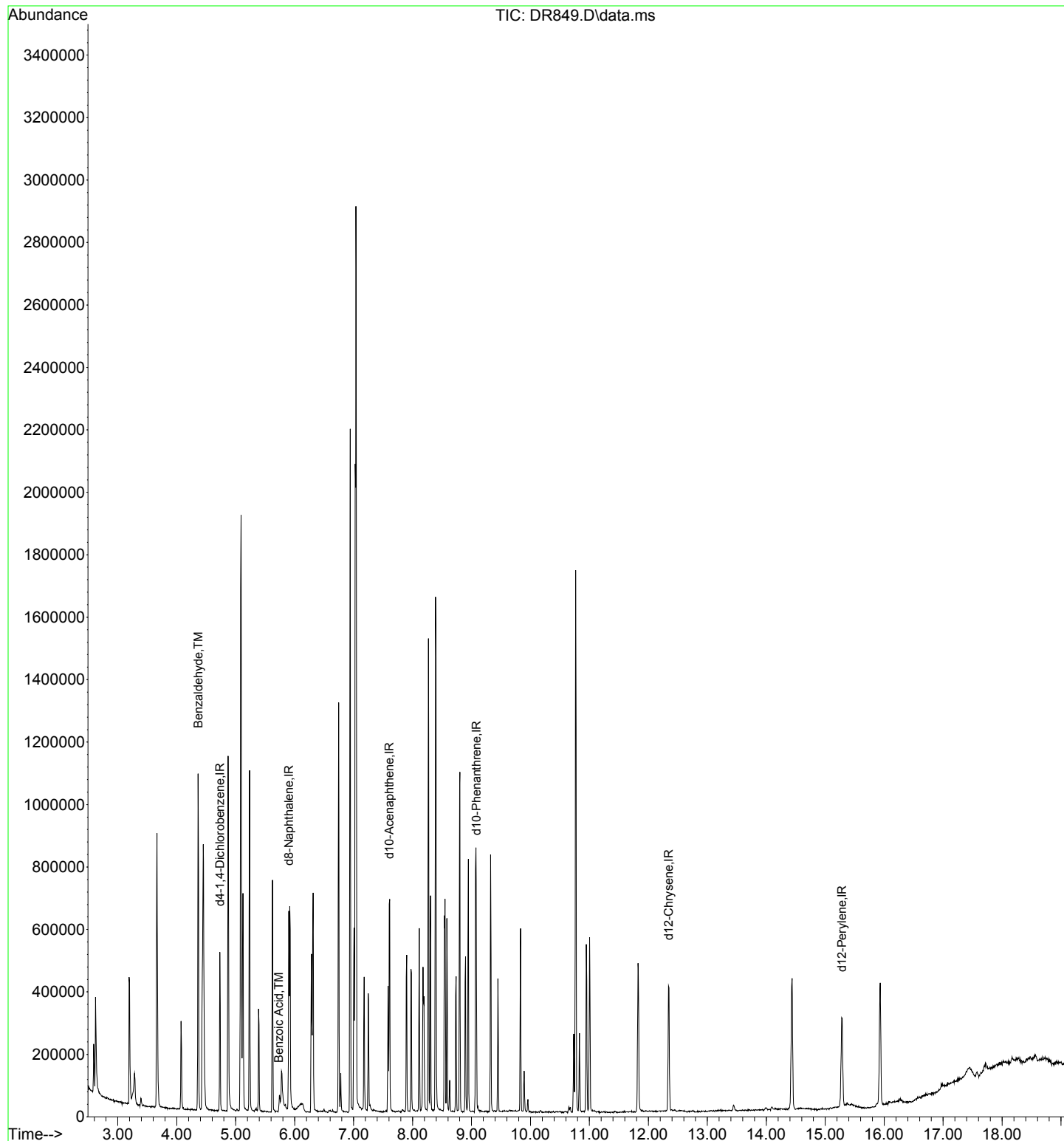
Quant Time: May 01 09:47:54 2019
 Quant Method : I:\ACQUADATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	75760	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	298754	40.00	ppm	0.00
57) d10-Acenaphthene	7.605	164	141156	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	204774	40.00	ppm	0.00
117) d12-Chrysene	12.343	240	188234	40.00	ppm	-0.01
135) d12-Perylene	15.280	264	175777	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount	100.000	Range 10 - 70	Recovery	=	0.00%#	
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount	100.000	Range 10 - 107	Recovery	=	0.00%#	
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount	50.000	Range 31 - 110	Recovery	=	0.00%#	
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount	50.000	Range 31 - 118	Recovery	=	0.00%#	
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount	100.000	Range 35 - 141	Recovery	=	0.00%#	
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount	50.000	Range 10 - 165	Recovery	=	0.00%#	
Target Compounds						
10) Benzaldehyde	4.363	106	214050	110.451	ppm	99
41) Benzoic Acid	5.730	105	9800m	22.984	ppm	

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

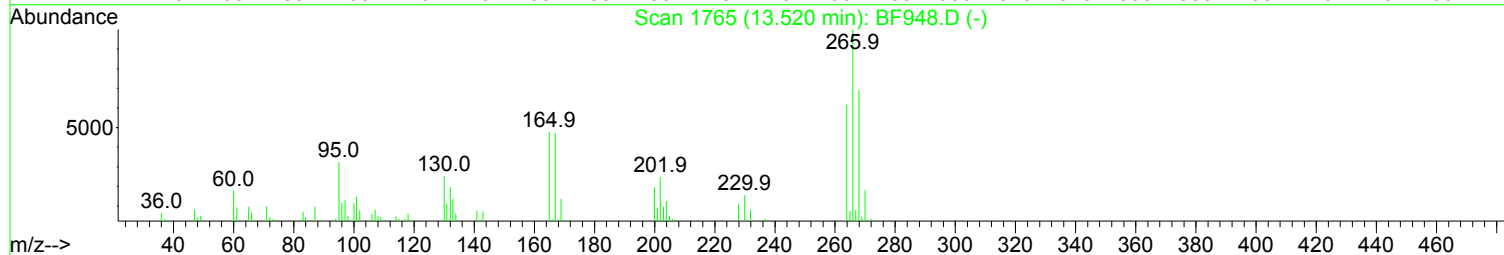
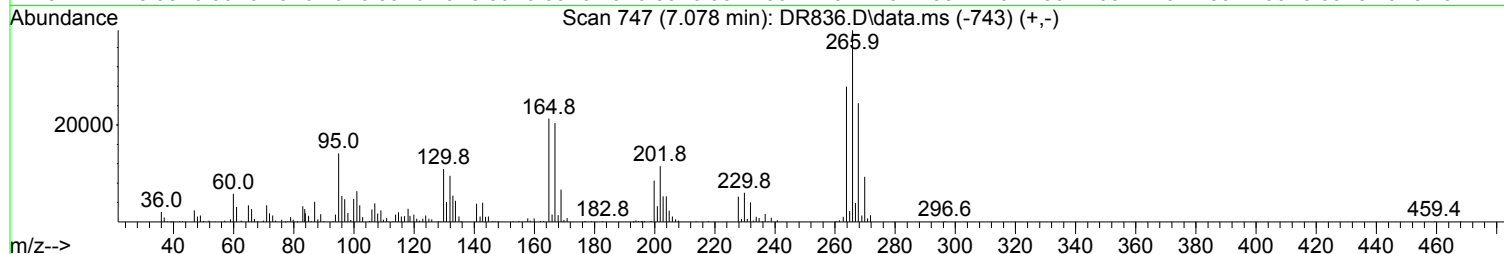
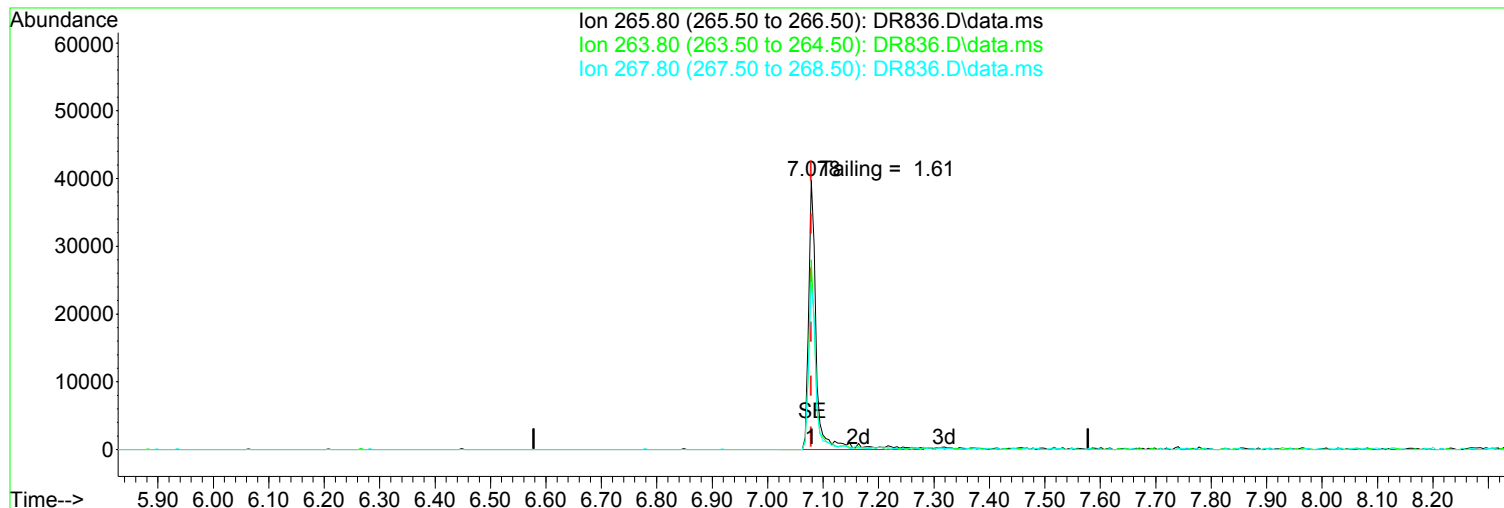
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR836.D\data.ms

(5) Pentachlorophenol (TCM)

7.078min (0.000) 50.00 ppm

response 36430

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	70.63
267.80	64.20	61.87
0.00	0.00	0.00

Manual Integration:

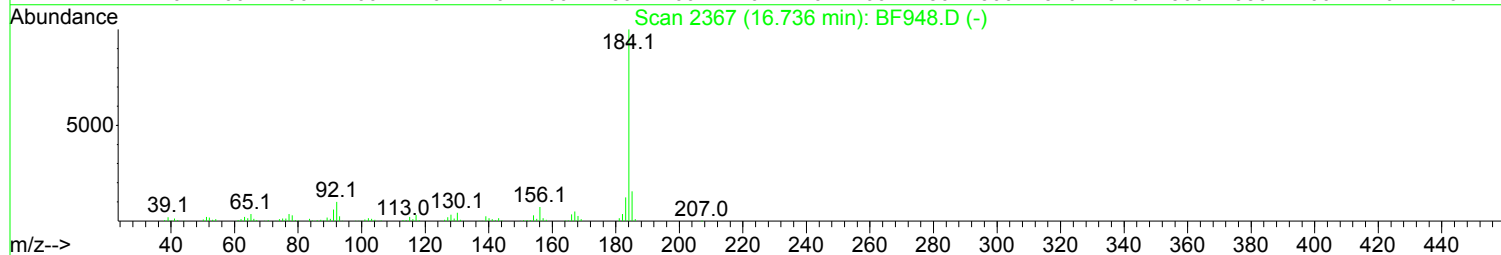
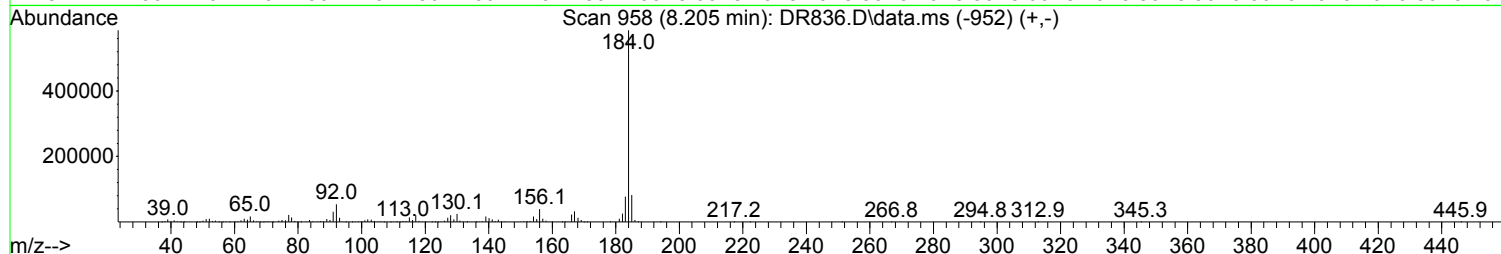
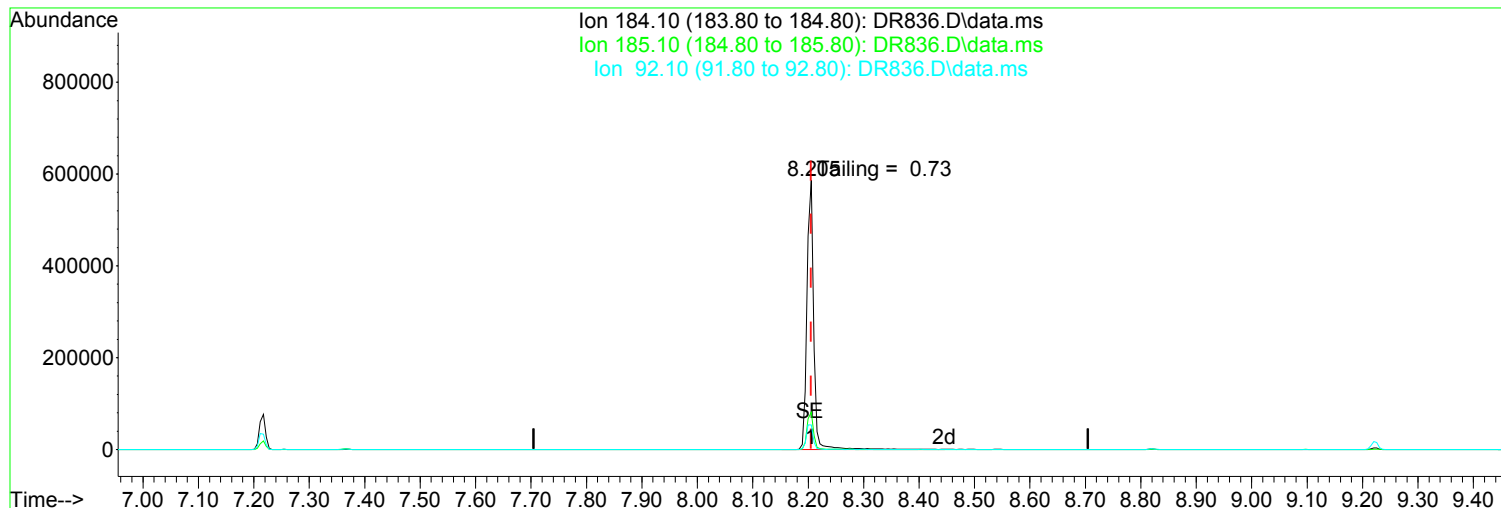
After

Other - Tailing

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR836.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.205min (0.000) 50.00 ppm

After

response 490286

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.97
92.10	10.10	9.18
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

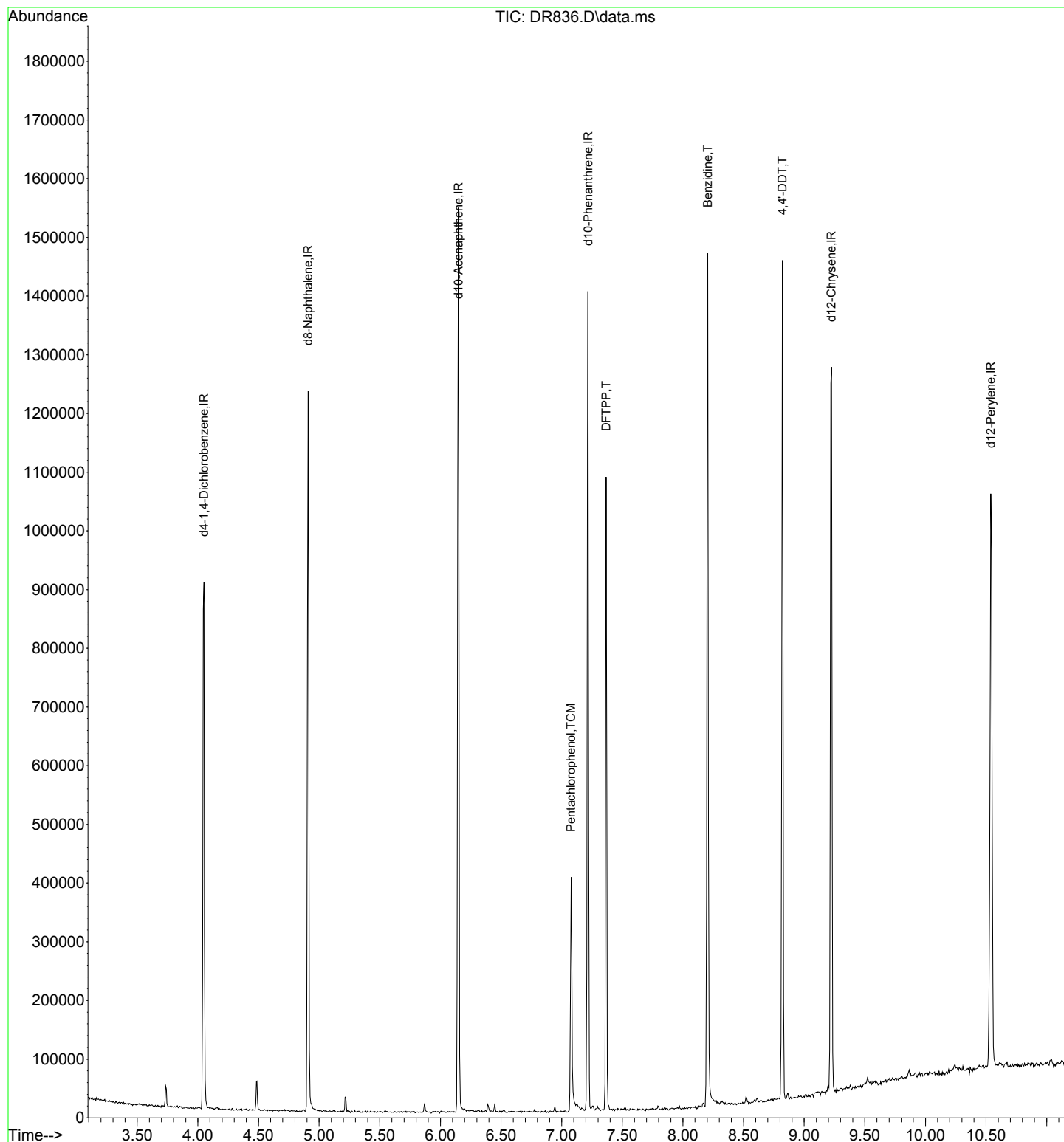
Quant Time: May 01 08:04:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.050	152	127514	40.00	ppm	0.00	
2) d8-Naphthalene	4.910	136	472511	40.00	ppm	0.00	
3) d10-Acenaphthene	6.149	164	249171	40.00	ppm	0.00	
4) d10-Phenanthrene	7.217	188	397699	40.00	ppm	0.00	
7) d12-Chrysene	9.225	240	361333	40.00	ppm	0.00	
12) d12-Perylene	10.539	264	366094	40.00	ppm	0.00	
Target Compounds							
5) Pentachlorophenol	7.078	266	36430	50.000	ppm		Qvalue 94
6) DF'TPP	7.367	198	77564	50.000	ppm	#	60
8) Benzidine	8.205	184	490286	50.000	ppm		98
9) 4,4'-DDE	7.367	246	1344		N.D.		
10) 4,4'-DDD	8.611	235	1155		N.D.		
11) 4,4'-DDT	8.819	235	194425	50.000	ppm		92

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

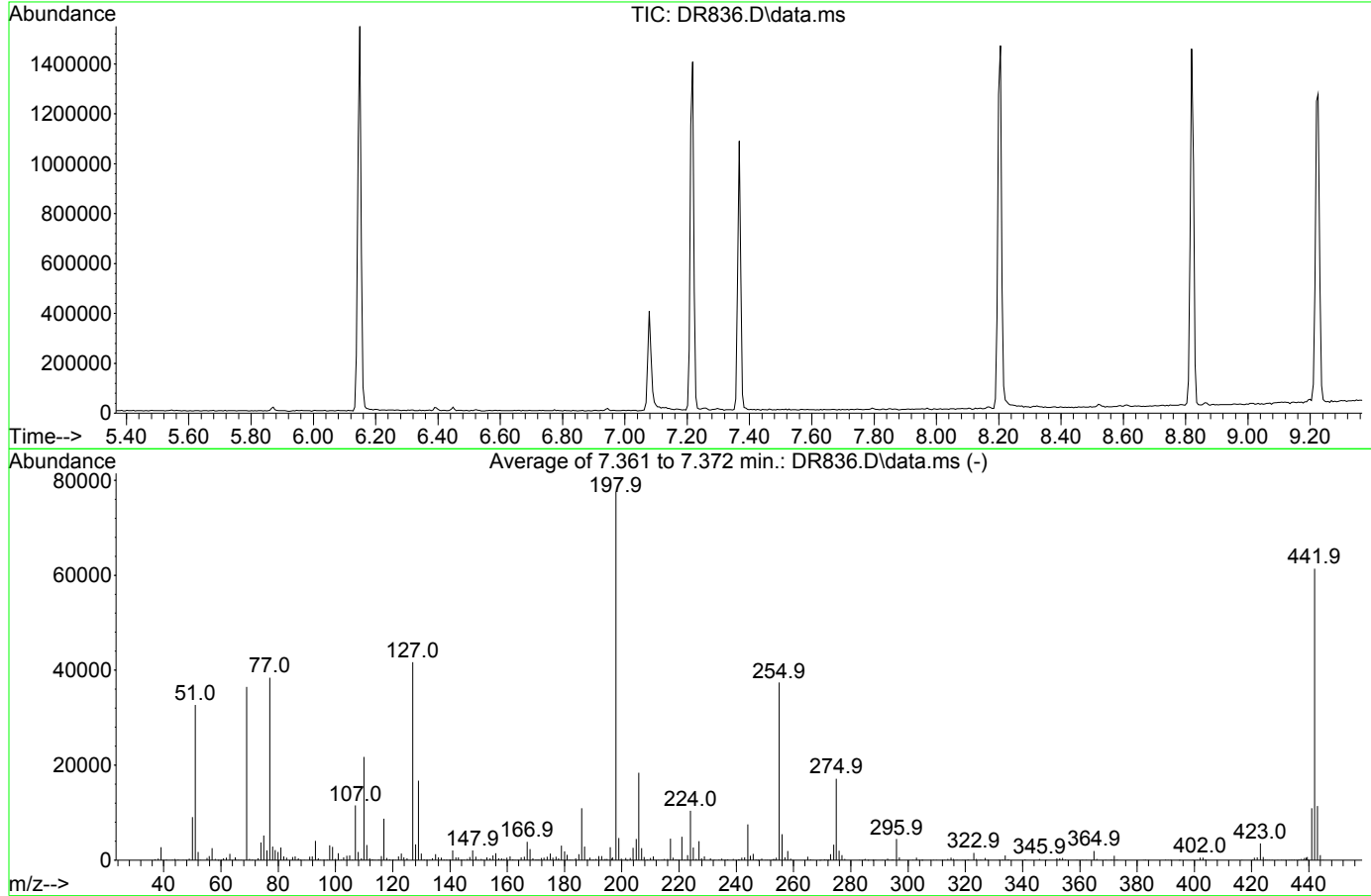
Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



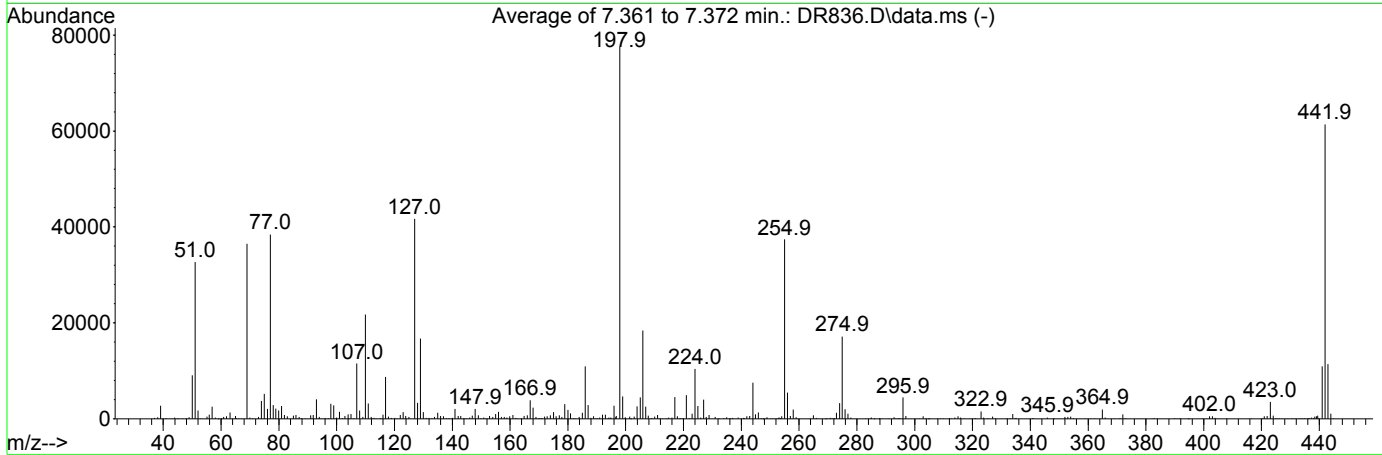
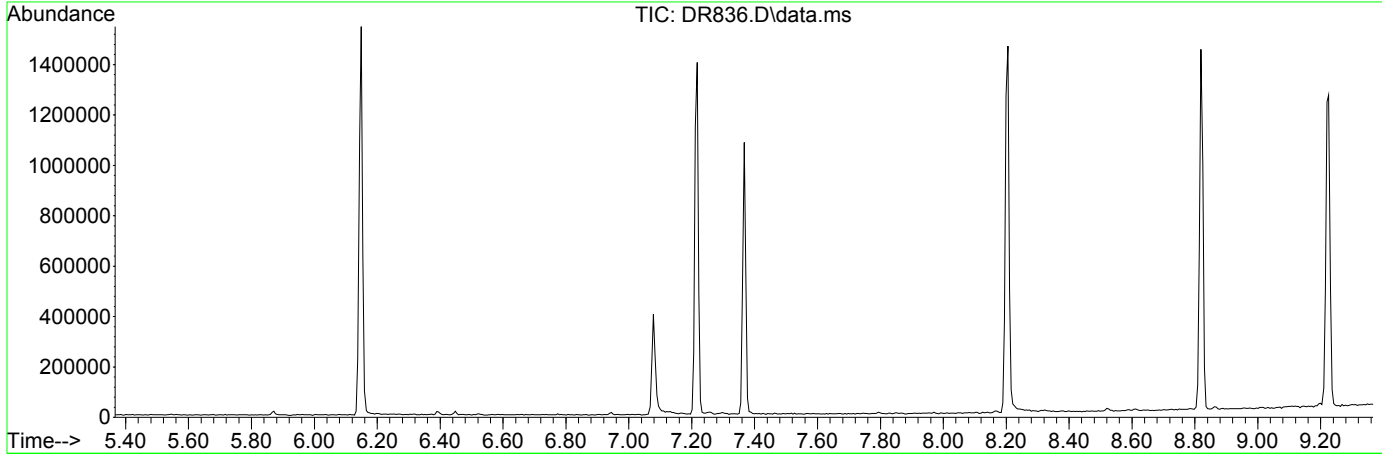
AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	40	60	53.7	41683	PASS
197	198	0.00	1	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	30	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	443	0.01	100	95.6	10928	PASS
442	198	50	500	79.1	61379	PASS
443	442	17	23	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0.00	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR838.D
 Acq On : 30 Apr 2019 9:12 am
 Operator : JMisiurewicz
 Sample : BLK
 Misc : Initial Calibration 8270/625
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108718	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	409285	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	209821	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	331611	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296997	40.00	ppm	0.00
135) d12-Perylene	15.295	264	302062	40.00	ppm	0.00

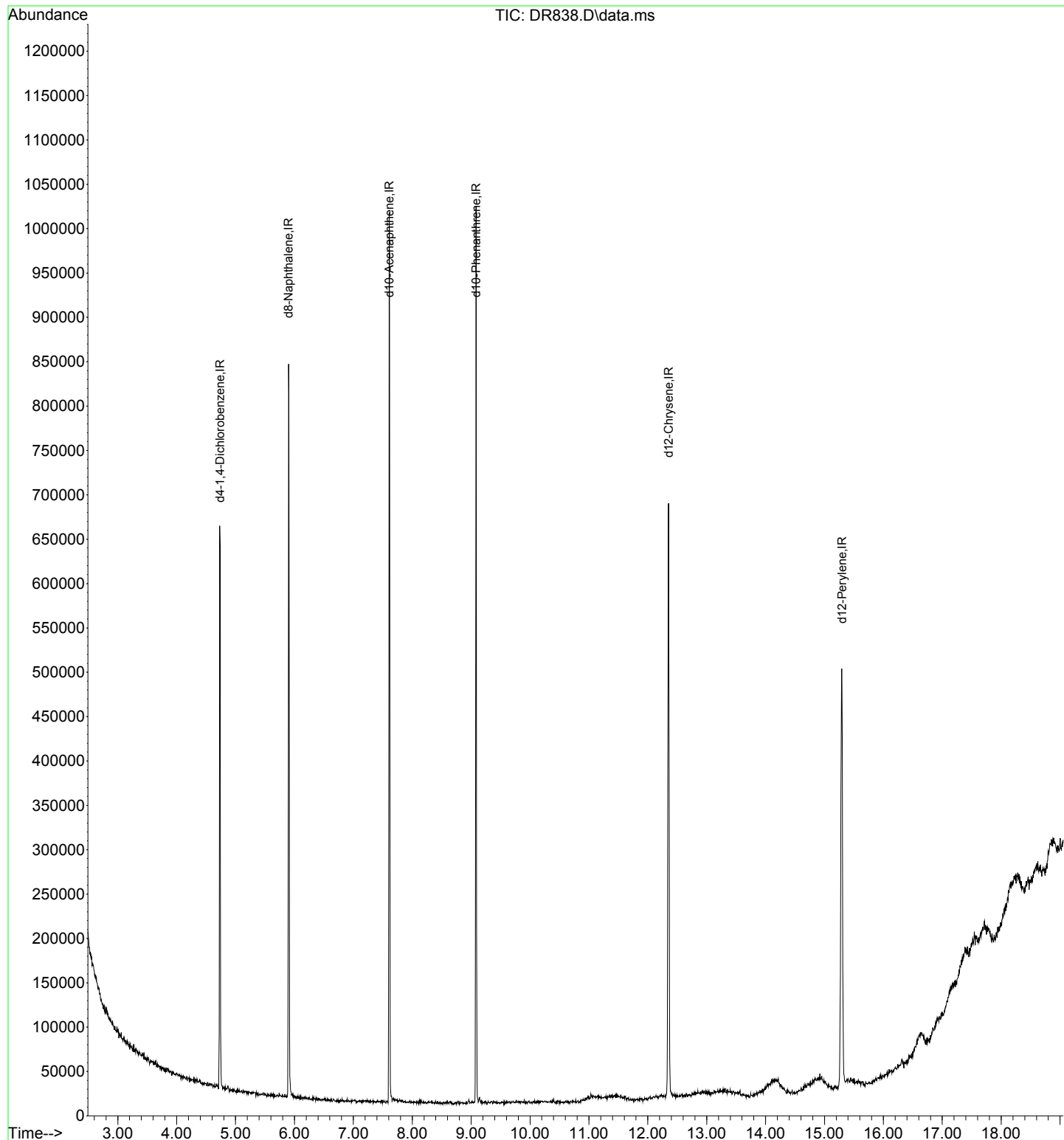
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.00%#
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.00%#
34) SURR4,NITROBENZENE-D5	5.238	82	161	0.04	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	0.08%#
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	0.00%#
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	0.00%#
124) SURR6,TERPHENYL-D14	10.776	244	163	0.02	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	0.04%#

Target Compounds Qvalue

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

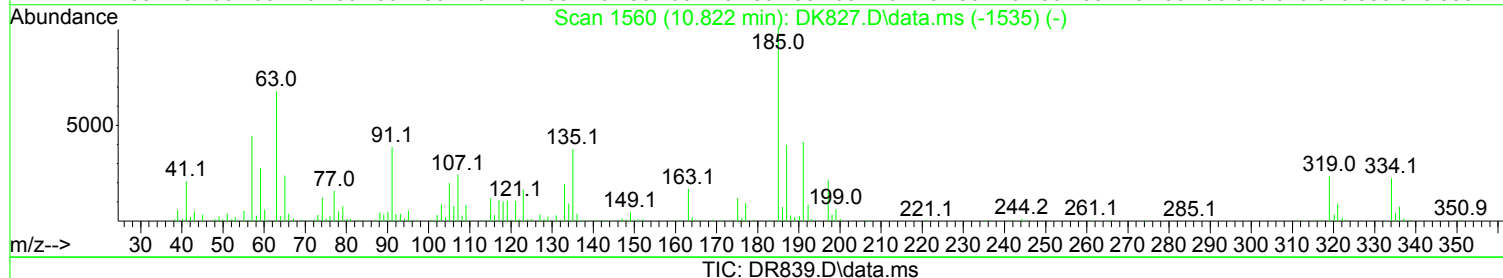
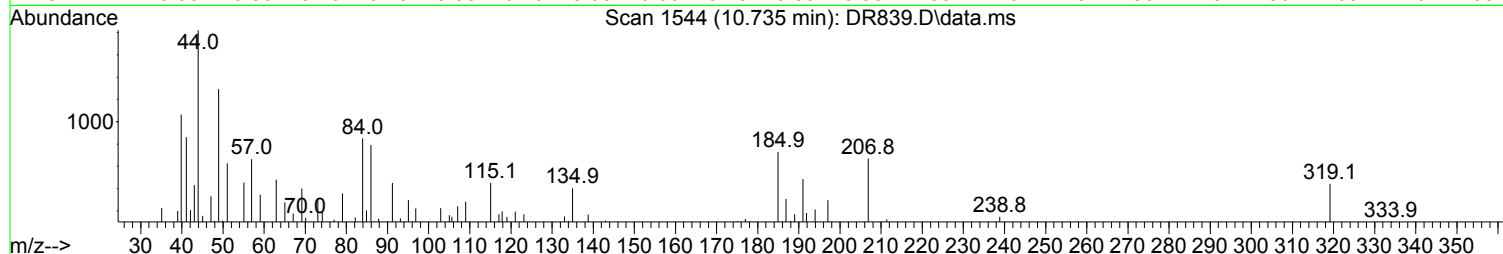
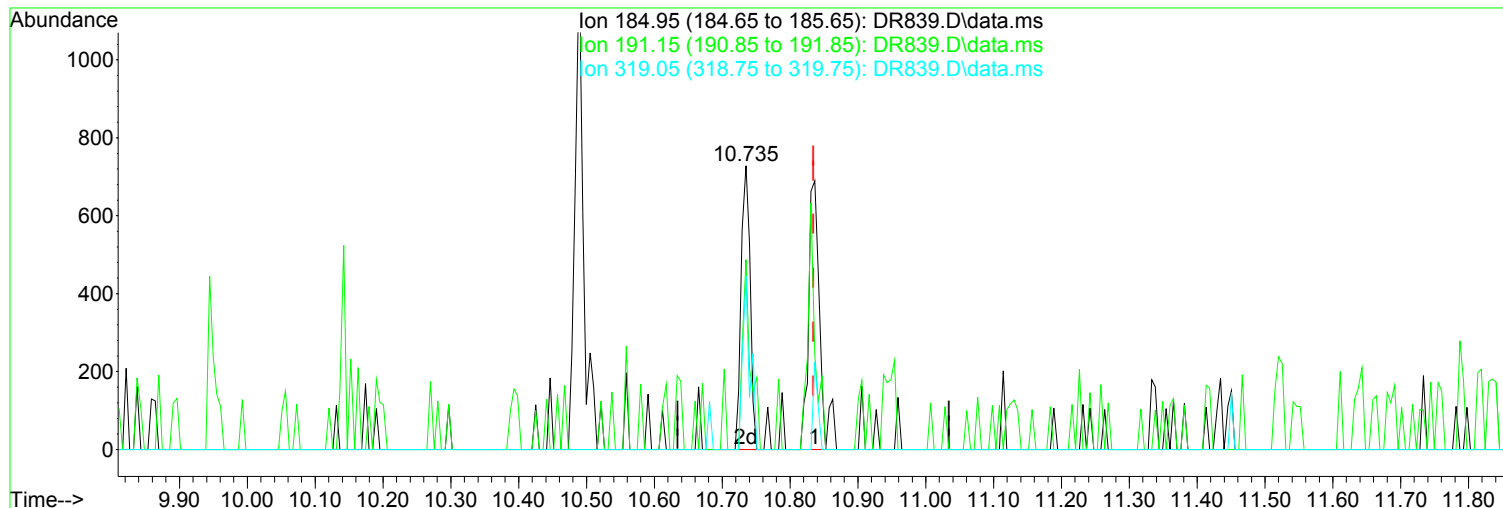
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.735min (-0.100) 1.05 ppm m

After

response 1552

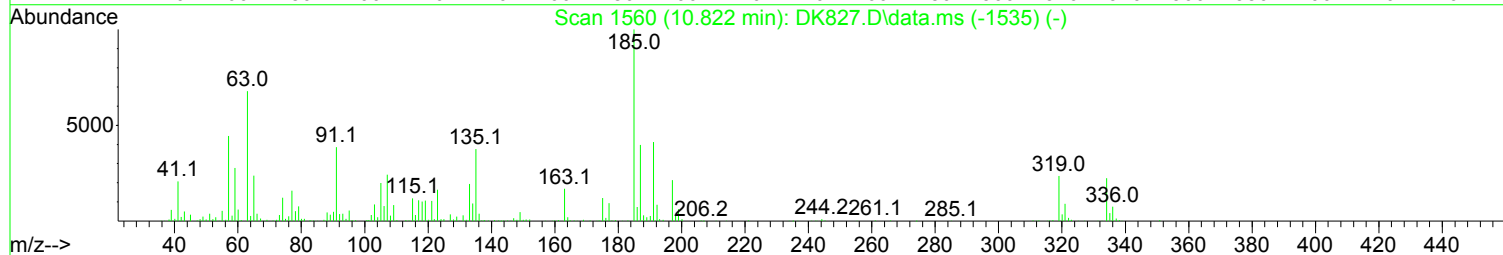
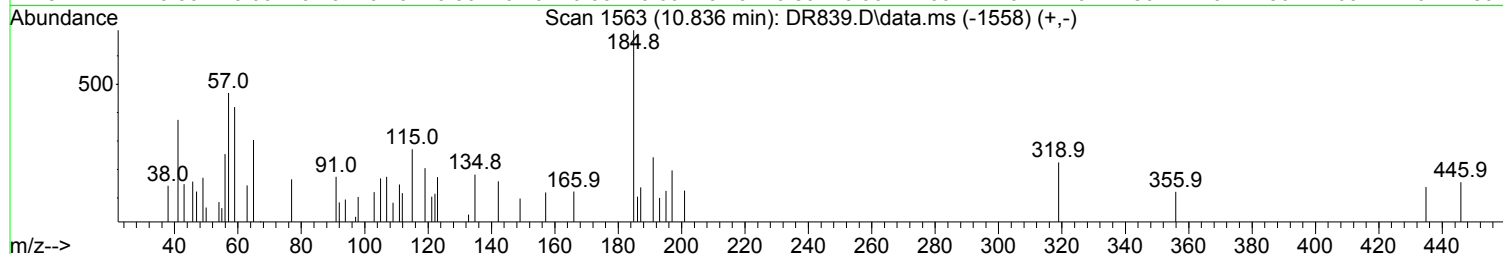
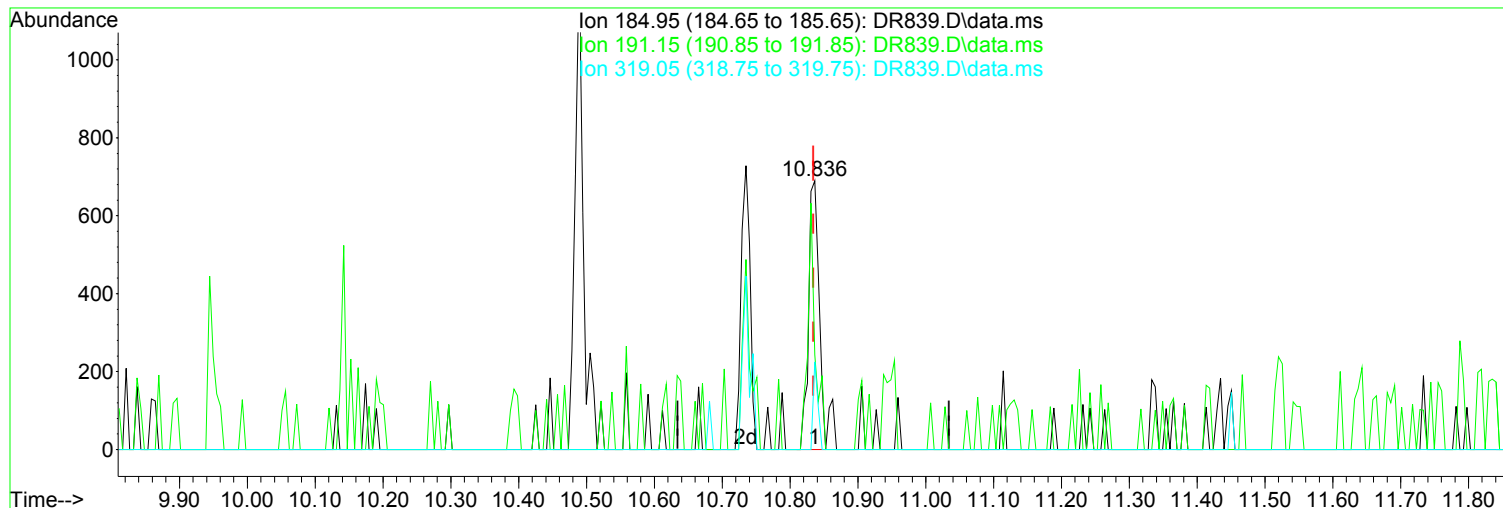
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	67.03
319.05	16.80	61.13#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 0.49 ppm

Before

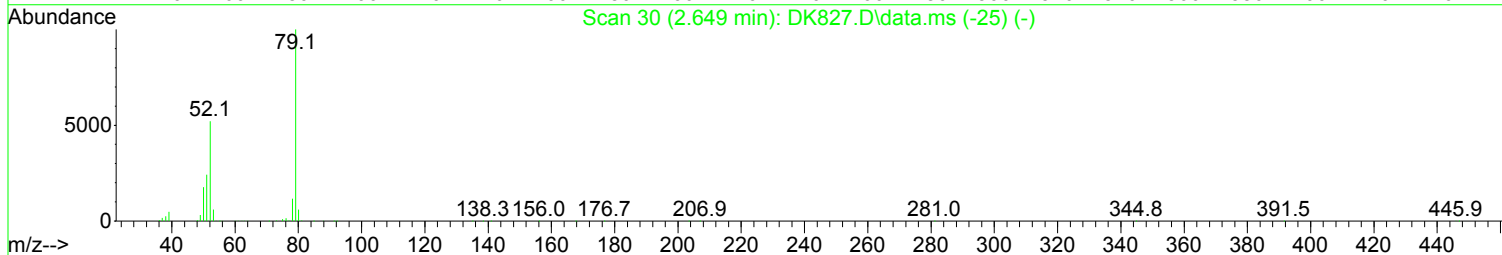
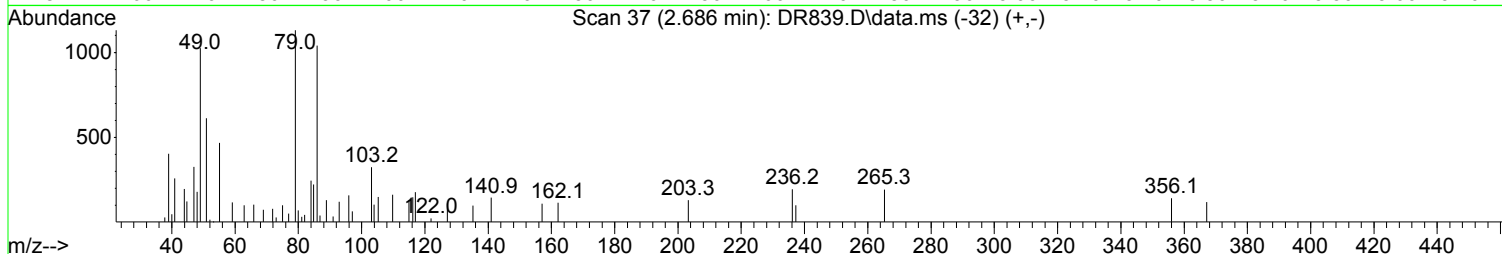
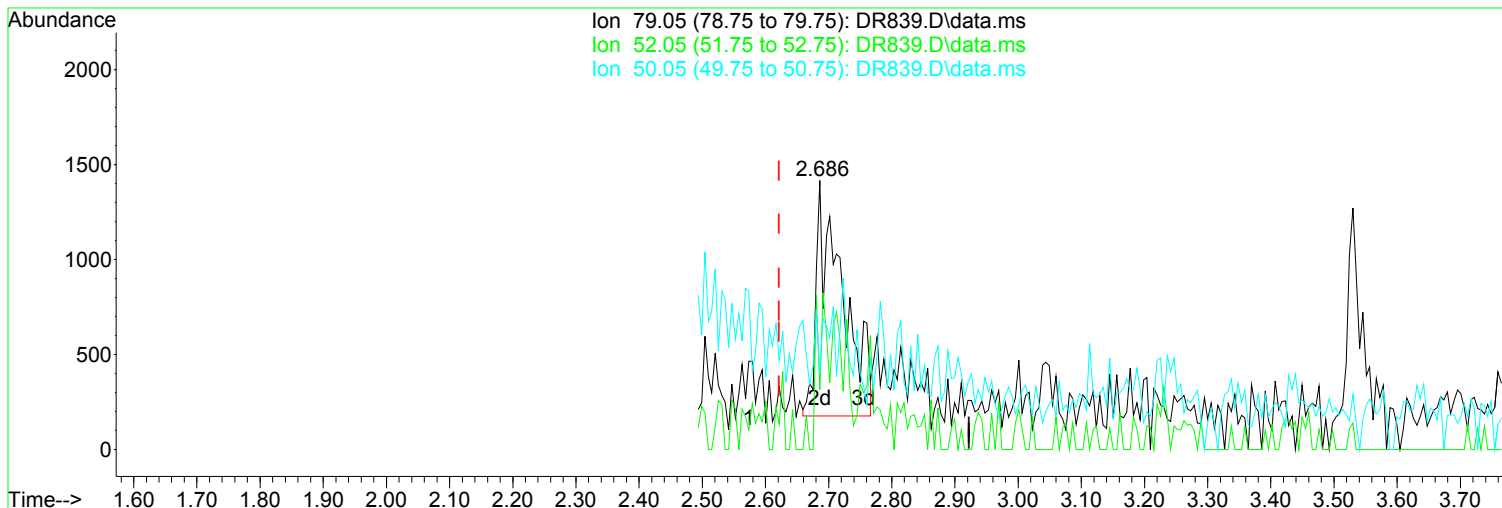
response 724

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	35.22
319.05	16.80	24.64
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.686min (+ 0.064) 0.83 ppm m

After

response 3564

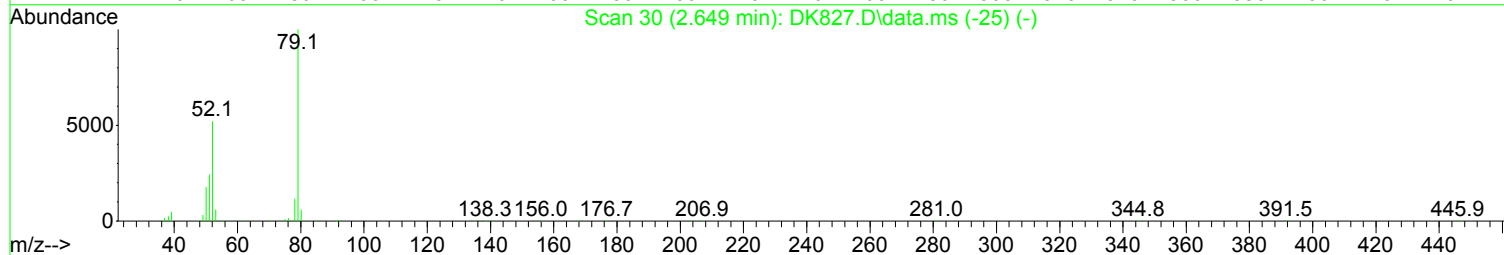
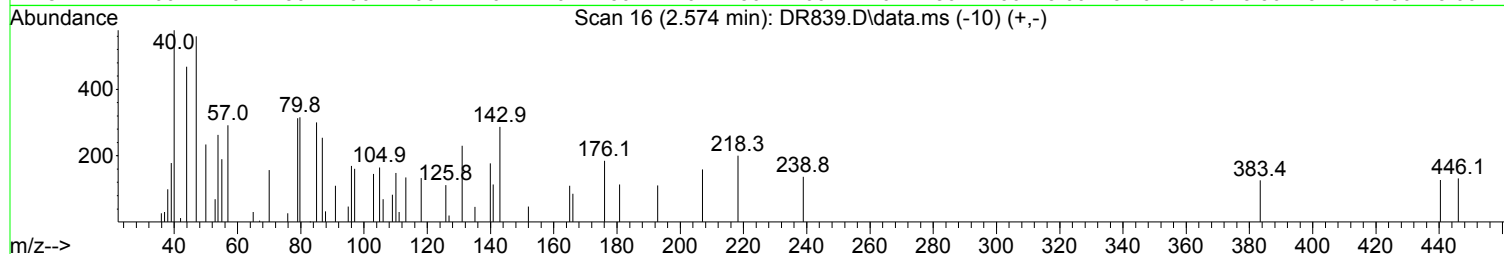
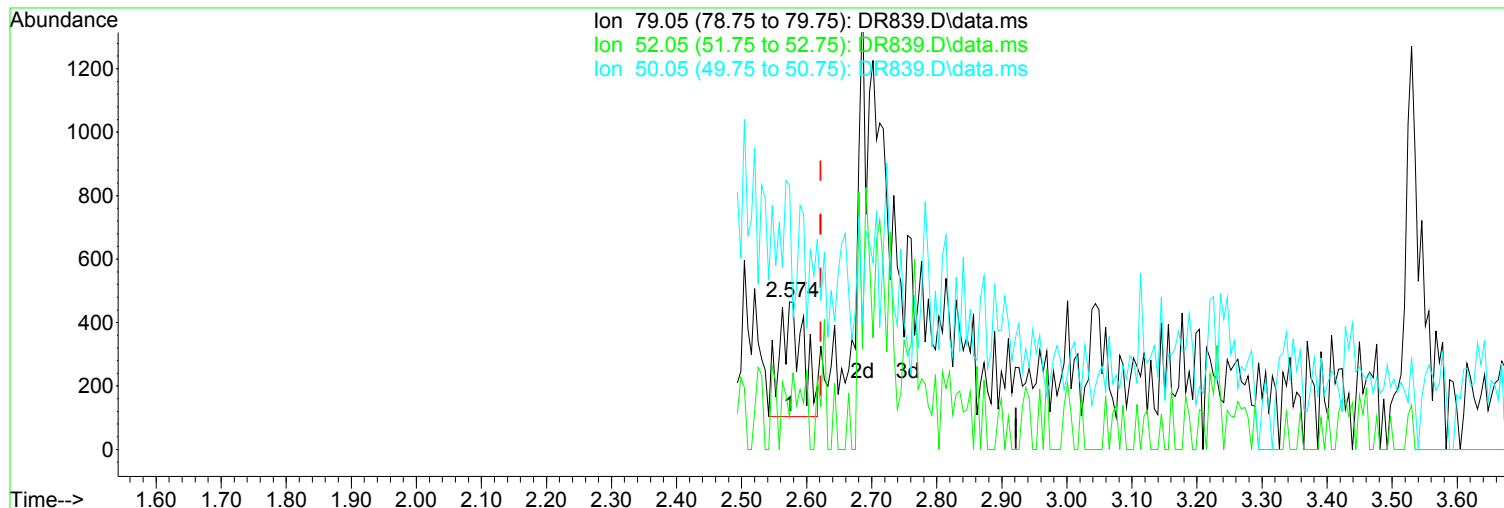
Peak not found.

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	22.25#
50.05	24.10	28.18
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.574min (-0.048) 0.22 ppm

Before

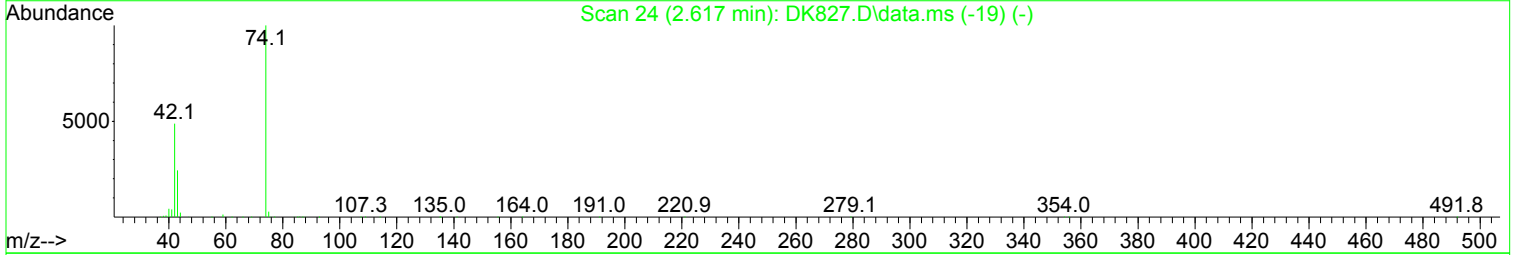
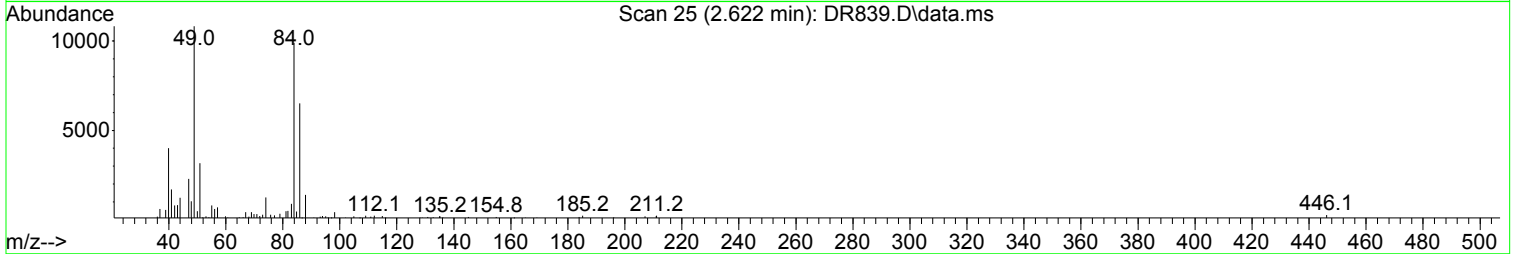
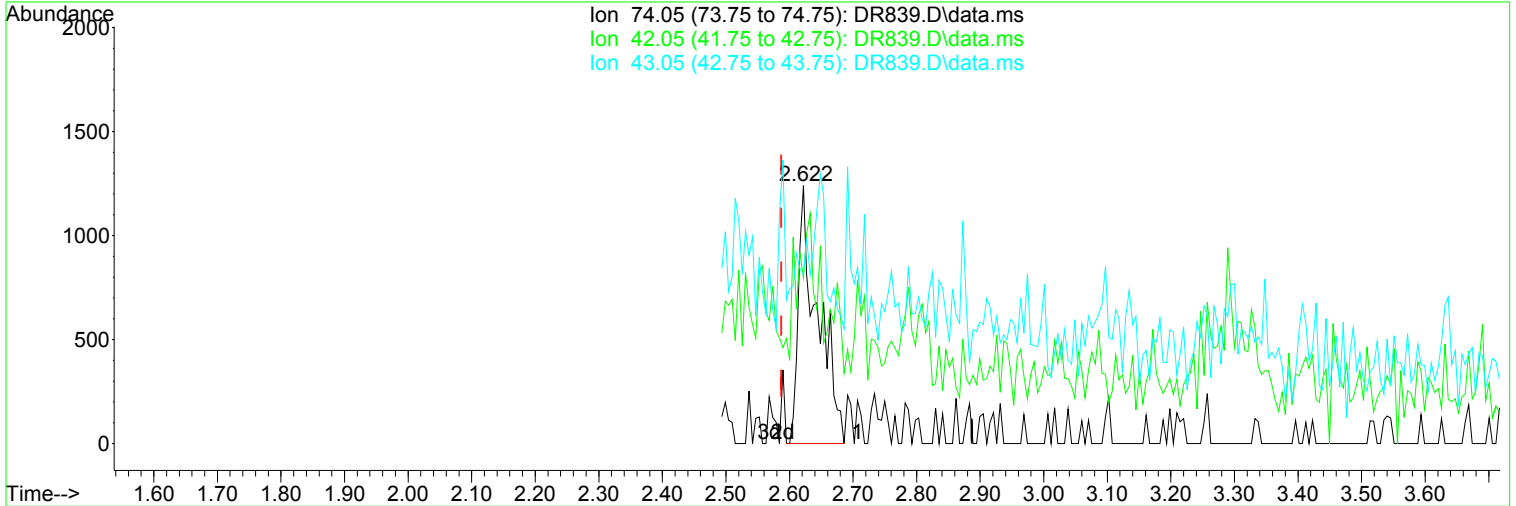
response 921

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	0.00#
50.05	24.10	37.28
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.622min (+ 0.034) 1.01 ppm m

After

response 2622

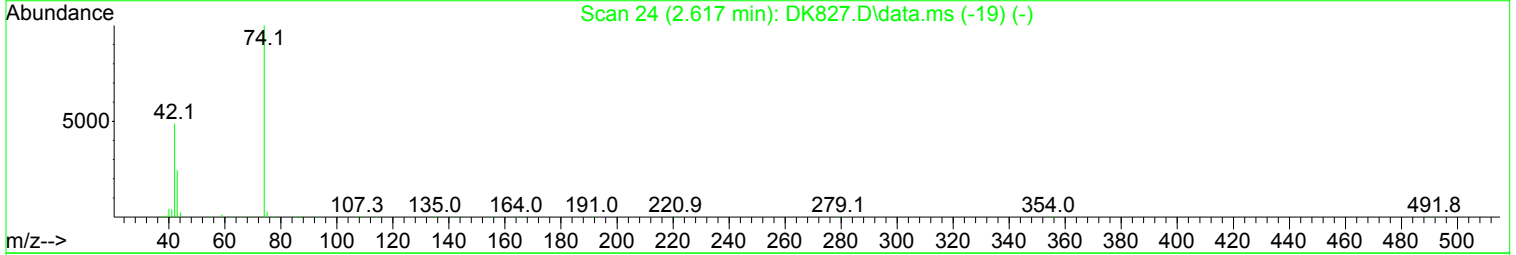
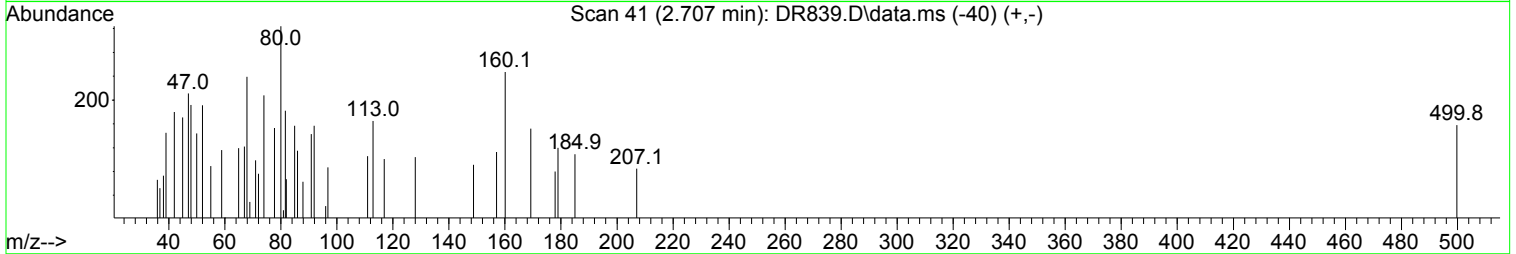
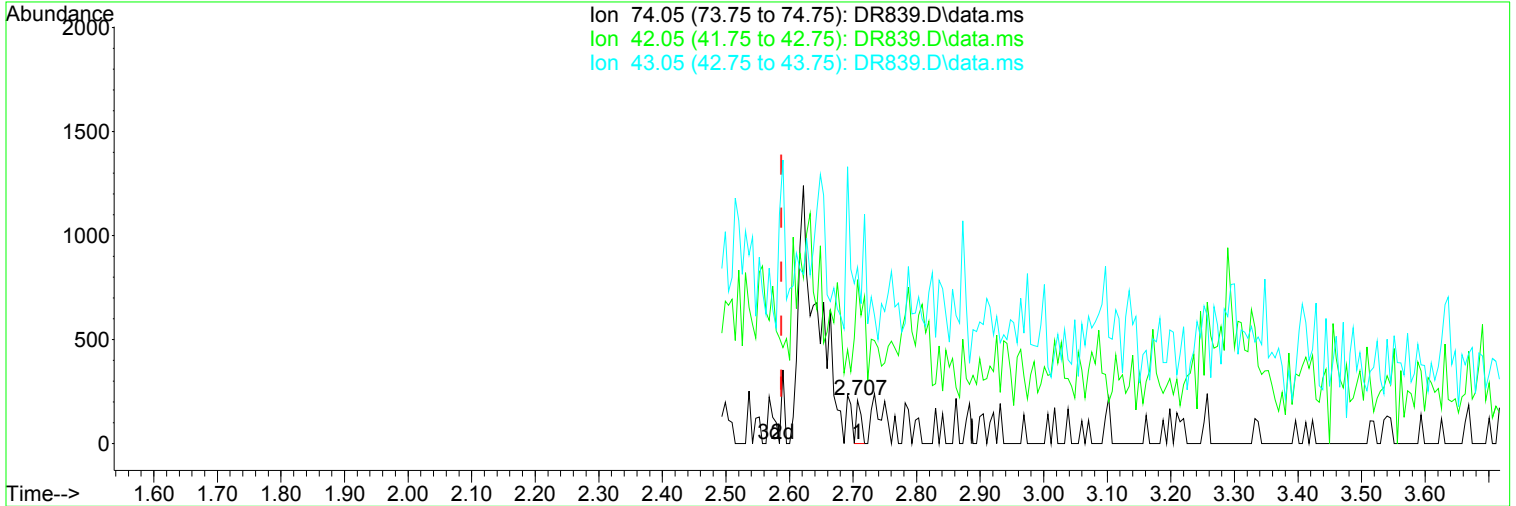
Peak not found.

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	64.33
43.05	28.80	65.62#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.707min (+ 0.120) 0.04 ppm

Before

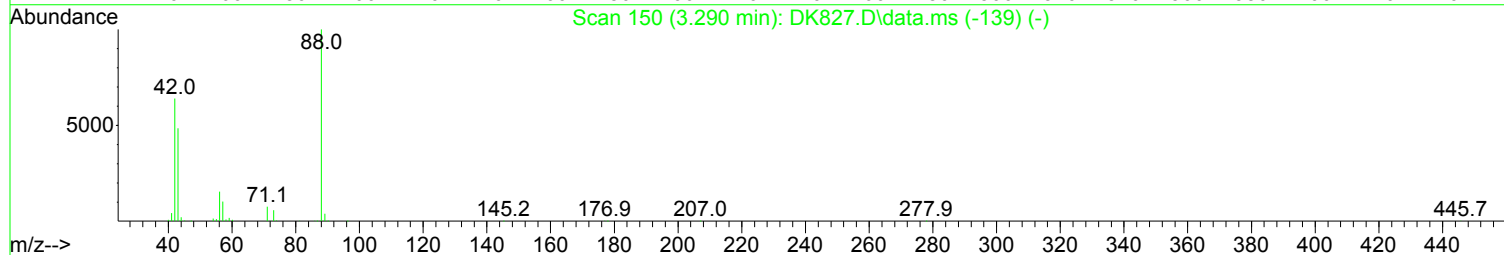
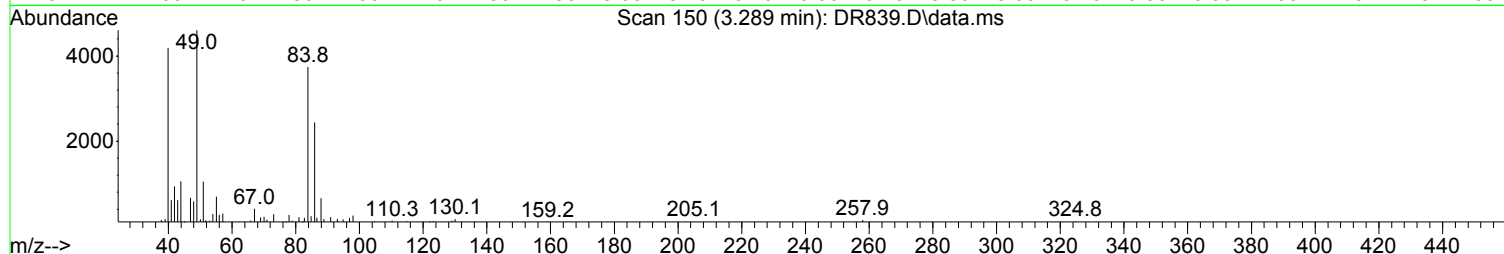
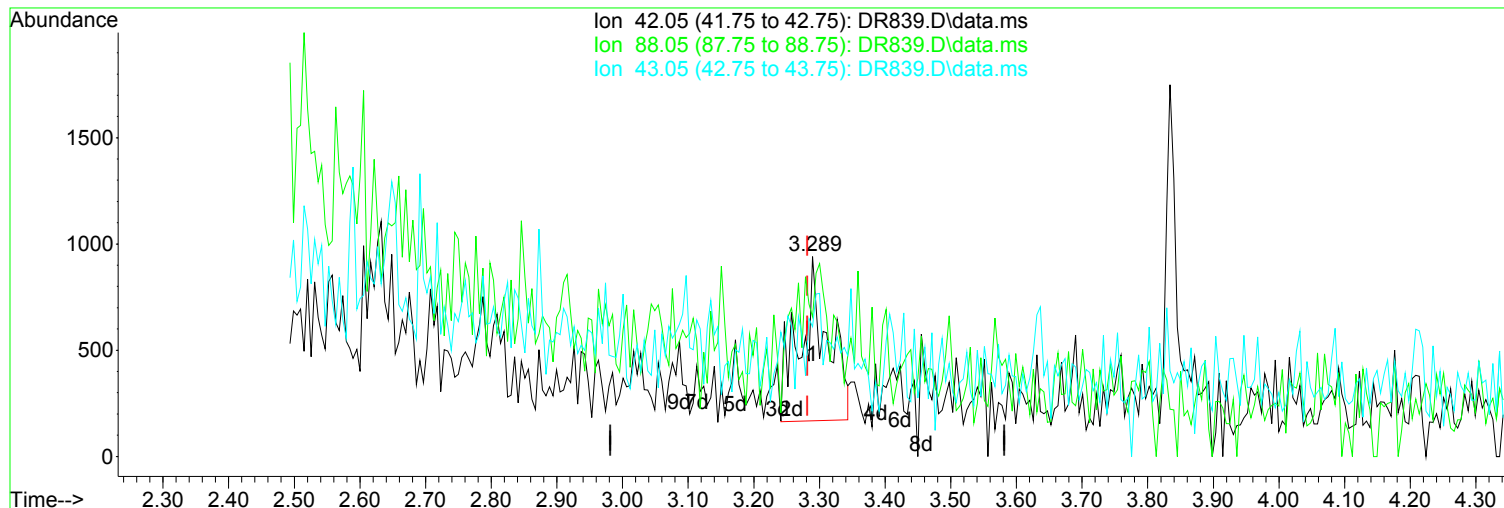
response 111

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.78
43.05	28.80	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 1.24 ppm m

After

response 2237

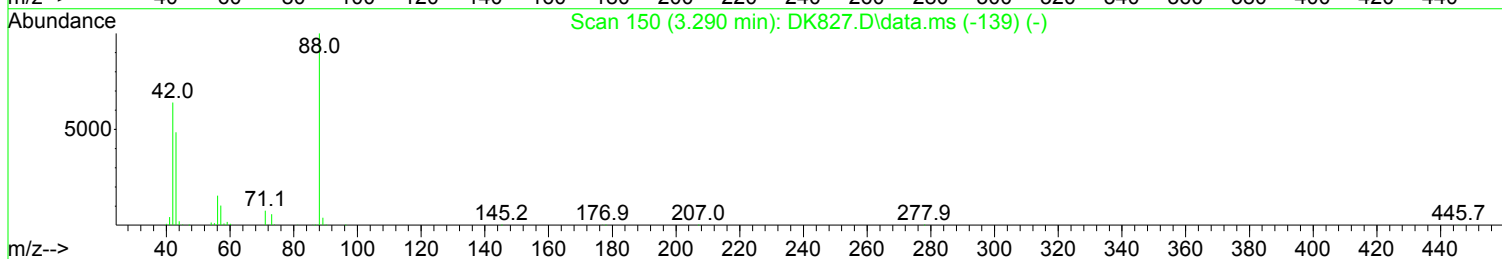
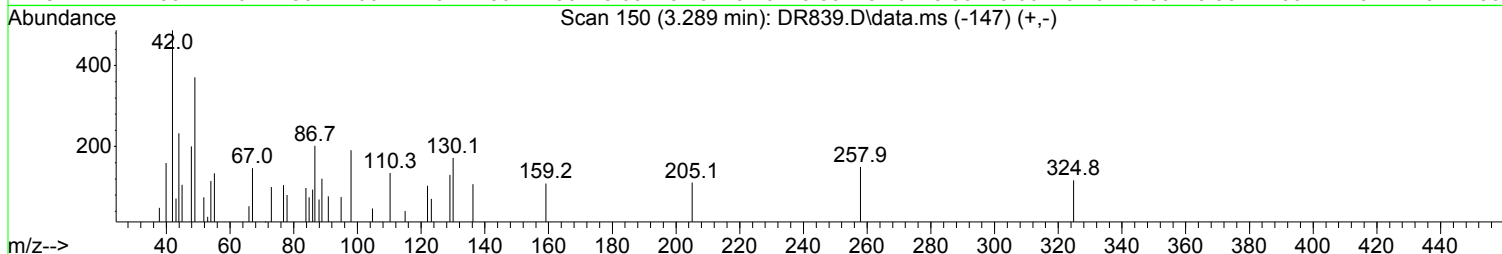
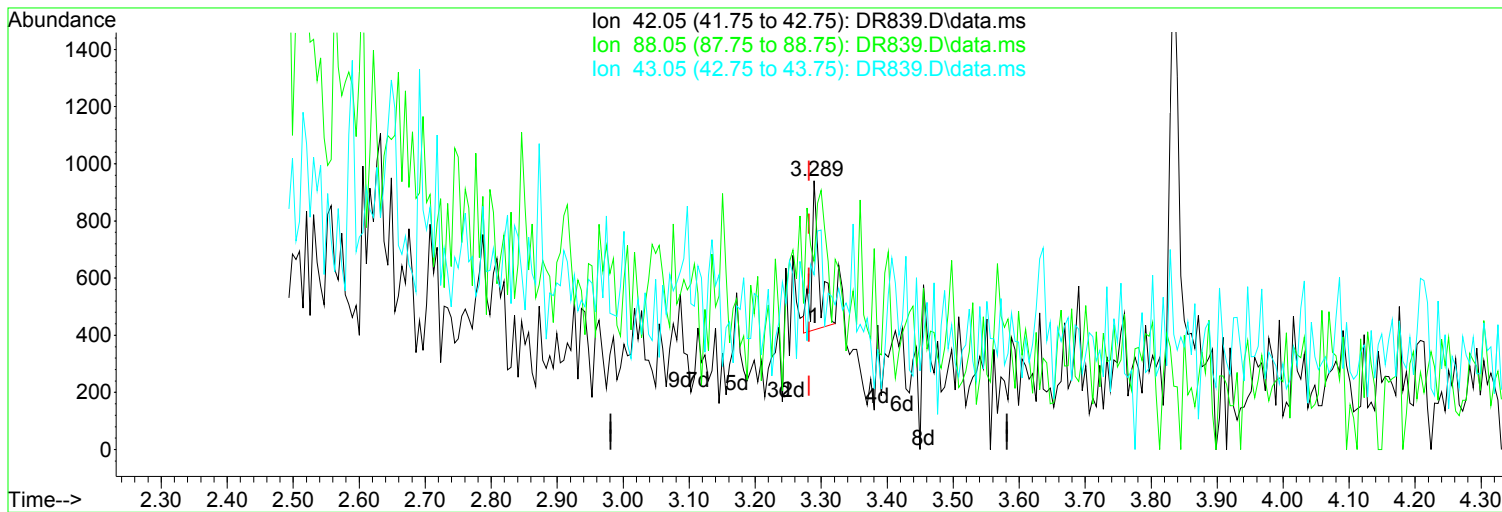
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	69.93#
43.05	73.90	64.93
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 0.24 ppm

Before

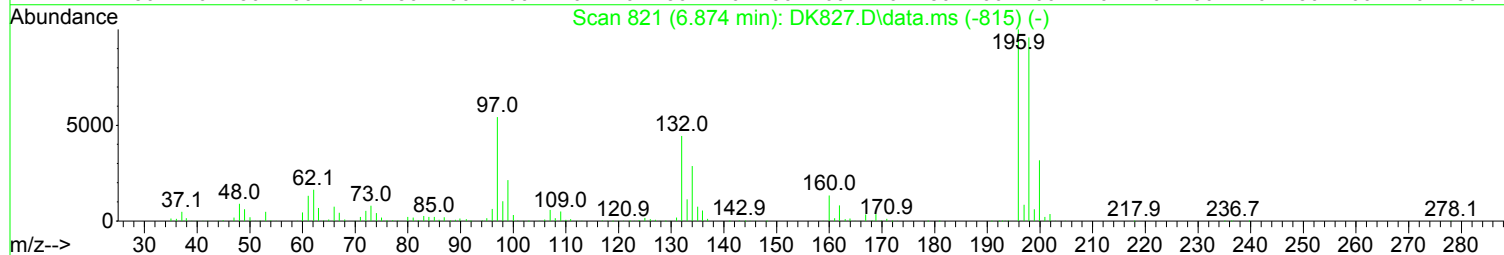
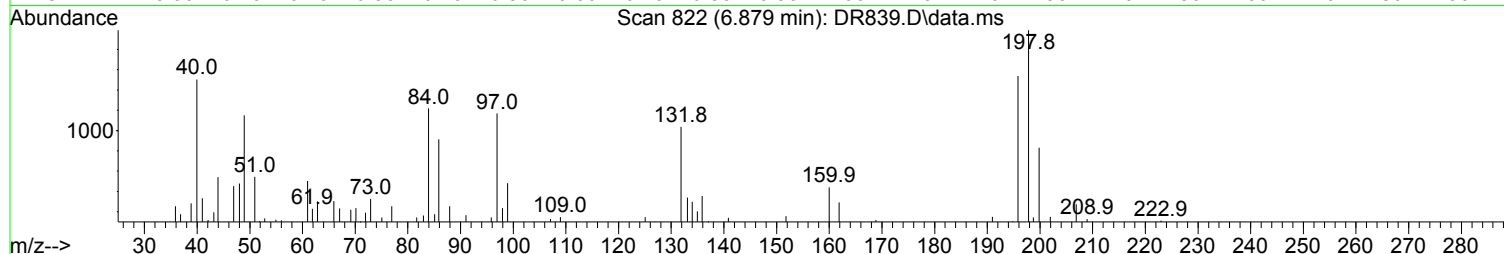
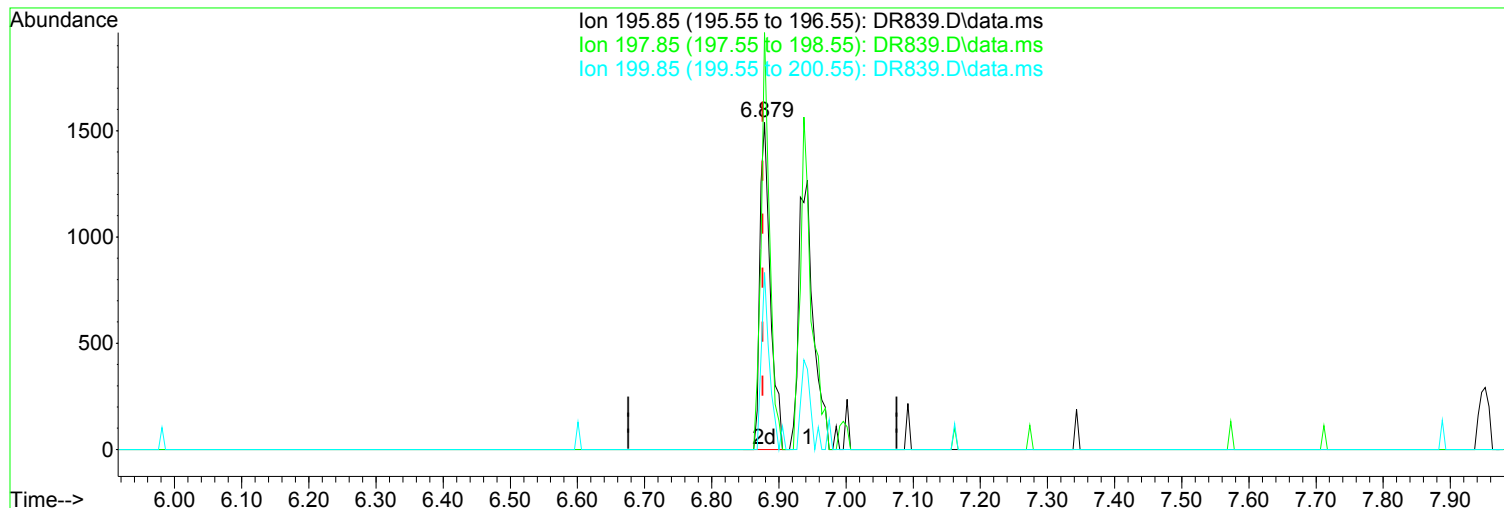
response 435

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	14.27#
43.05	73.90	14.89#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(61) 2,4,6-Trichlorophenol (TCM)

6.879min (+ 0.003) 0.85 ppm m

response 1660

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	129.24#
199.85	32.00	54.06#
0.00	0.00	0.00

Manual Integration:

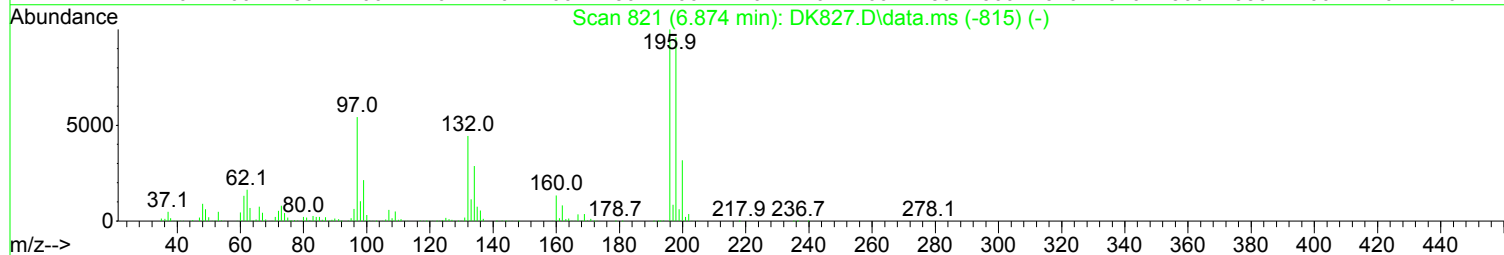
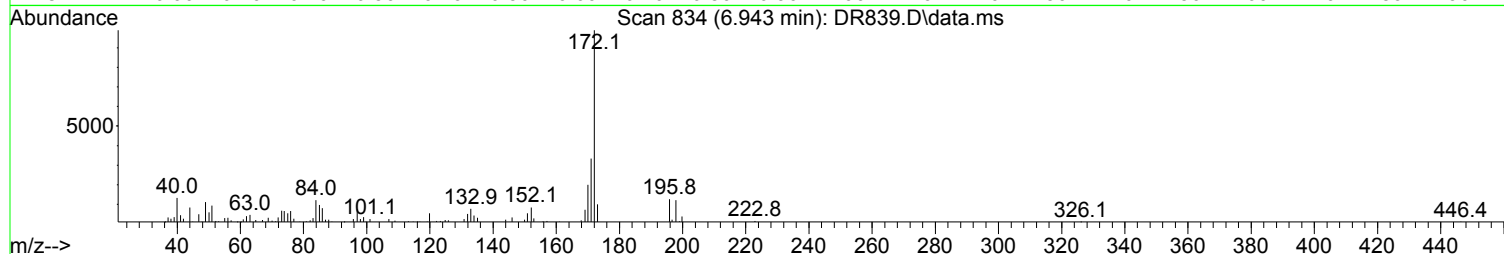
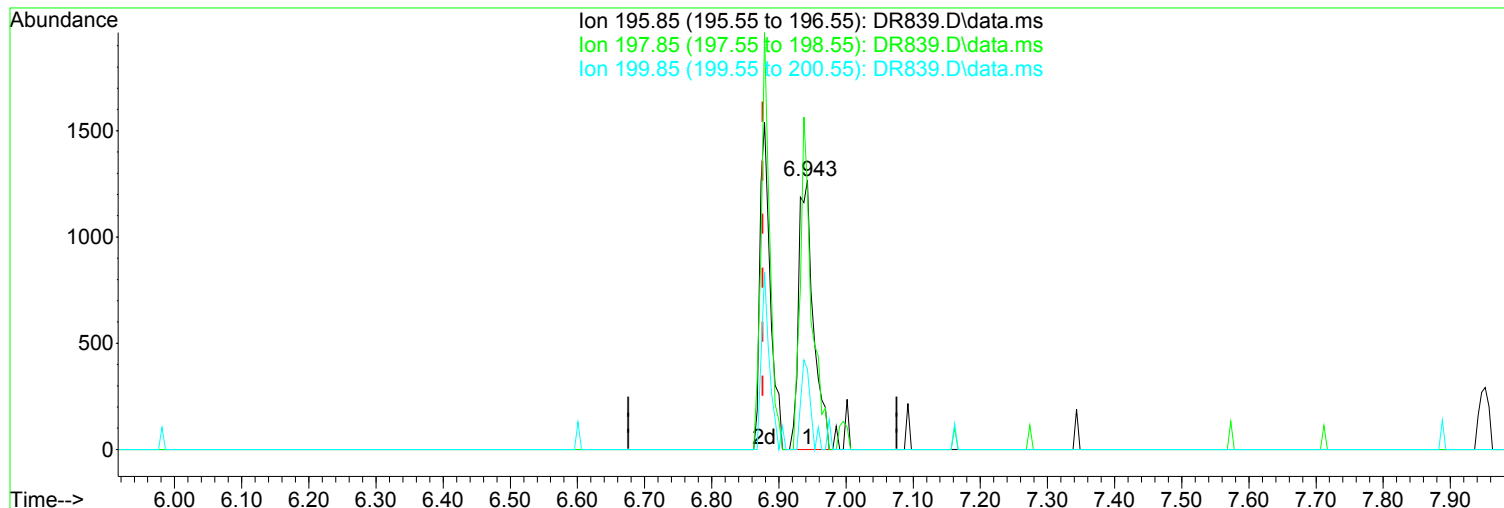
After

Wrong peak selected.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.943min (+ 0.067) 1.00 ppm

Before

response 1945

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	96.45
199.85	32.00	29.78
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	111575	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	417154	40.00	ppm	0.00
57) d10-Acenaphthene	7.610	164	208822	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	324805	40.00	ppm	0.00
117) d12-Chrysene	12.348	240	293790	40.00	ppm	0.00
135) d12-Perylene	15.291	264	297907	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.669	112	4026	0.99	ppm	0.00
Spiked Amount	100.000	Range 10 - 70	Recovery	=	0.99%#	
12) SURR2,PHENOL-D6	4.432	99	4463	0.90	ppm	0.00
Spiked Amount	100.000	Range 10 - 107	Recovery	=	0.90%#	
34) SURR4,NITROBENZENE-D5	5.234	82	4521	1.07	ppm	0.00
Spiked Amount	50.000	Range 31 - 110	Recovery	=	2.14%#	
63) SURR5,2-FLUOROBIPHENYL	6.943	172	7719	0.97	ppm	0.00
Spiked Amount	50.000	Range 31 - 118	Recovery	=	1.94%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	912	1.07	ppm	0.00
Spiked Amount	100.000	Range 35 - 141	Recovery	=	1.07%#	
124) SURR6,TERPHENYL-D14	10.767	244	6731	0.97	ppm	0.00
Spiked Amount	50.000	Range 10 - 165	Recovery	=	1.94%#	

Target Compounds						Qvalue
2) Pyridine	2.686	79	3564m	0.832	ppm	
3) N-Nitrosodimethylamine	2.622	74	2622m	1.007	ppm	
4) 2-Picoline	3.231	93	4282	0.966	ppm	90
5) N-Nitrosomethylamine	3.289	42	2237m	1.242	ppm	
6) Methyl Methansulfonate	3.535	80	1884	0.933	ppm	89
8) N-Nitrosodiethylamine	3.839	102	2055	1.038	ppm	63
9) Ethyl Mathanesulfonate	4.080	79	3816	1.119	ppm	90
10) Benzaldehyde	4.368	106	5752	2.015	ppm	82
11) Aniline	4.454	93	5796	0.911	ppm	83
13) Phenol	4.443	94	5163	0.947	ppm	86
14) bis(2-Clethyl)Ether	4.496	93	4342	1.151	ppm	78
15) Pentachloroethane	4.486	117	1597	1.051	ppm	94
16) 2-Chlorophenol	4.566	128	4481	1.046	ppm	92
17) 1,3-Diclbzene	4.683	146	4354	0.977	ppm	92
18) 1,4-Dichlorobenzene	4.747	146	4617	1.012	ppm	91
19) 1,2-Diclbzene	4.881	146	4303	0.987	ppm	94
20) Benzyl Alcohol	4.870	79	2595	0.895	ppm	# 69
21) 1-Methyl-2-pyrrolidinone	4.913	99	2380	0.898	ppm	# 70
22) 2,2'-oxybis(1-Chloropr...	4.961	45	3494	0.964	ppm	# 77
23) 2-Methylphenol	4.966	108	4073	1.060	ppm	81
24) 3+4-Methylphenol	5.111	108	4599	1.058	ppm	# 81
25) Acetophenone	5.089	105	5668	1.049	ppm	87
26) N-Nitroso-Di-n-propyla...	5.079	70	3088	1.060	ppm	82
27) N-Nitrosopyrrolidine	5.084	100	2045	0.965	ppm	# 73
28) N-Nitrosomorpholine	5.116	56	2317	1.111	ppm	96
29) o-Toluidine	5.127	106	6027	1.005	ppm	73
30) Hexachloroethane	5.180	117	1966	1.120	ppm	# 80
31) o,o,o-Triethylphosphor...	5.623	198	1863	1.019	ppm	81
32) Alpha-terpinol	5.923	121	1484	1.041	ppm	# 66
35) Nitrobenzene	5.255	77	4326	1.018	ppm	94
36) N-Nitrosopiperidine	5.394	42	2208	0.955	ppm	89
37) Isophorone	5.463	82	6935	0.979	ppm	91
38) 2-Nitrophenol	5.549	139	2196	0.998	ppm	92

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	3863	0.975	ppm	90
40) bis(-2-Chloroethoxy)Me...	5.661	93	3887	0.933	ppm	94
42) 2,4-Dichlorophenol	5.805	162	2936	0.936	ppm	80
43) a,a-Dimethylphenethyla...	5.821	58	6634	0.839	ppm	61
44) 1,2,4-Trichlorobenzene	5.842	180	3130	0.946	ppm	91
45) Naphthalene	5.923	128	11839	1.030	ppm	94
46) 4-Chloroaniline	5.987	127	4816	1.001	ppm	91
47) 2,6-Dichlorophenol	5.992	162	3214	0.980	ppm	82
48) Hexachlorobutadiene	6.024	225	1579	0.942	ppm #	67
49) Hexachloropropene	5.997	213	2070	0.988	ppm	98
50) 4-Chloro-3-methylphenol	6.473	107	3128	1.000	ppm	75
51) N-N-di-n-butylamine	6.286	84	2712	1.091	ppm	75
52) Caprolactam	6.318	113	1422	1.143	ppm #	61
53) p-Phenylenediamine	6.344	80	648	0.789	ppm	90
54) Safrole	6.499	162	2759	0.935	ppm	88
55) 2-Methylnaphthalene	6.590	142	7072	0.950	ppm	97
56) 1-Methylnaphthalene	6.686	142	6874	0.987	ppm	82
58) Hexachlorocyclopentadiene	6.729	237	295	1.403	ppm	67
59) 1,2,4,5-Tetrachloroben...	6.750	216	2761	0.898	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.028	216	3104	0.959	ppm	94
61) 2,4,6-Trichlorophenol	6.879	196	1660m	0.853	ppm	
62) 2,4,5-Trichlorophenol	6.943	196	1945	0.929	ppm	97
64) Isosafrole	7.007	104	1669	1.243	ppm #	66
65) 1,1'-Biphenyl	7.044	154	9050	0.978	ppm	93
66) 2-Chloronaphthalene	7.071	162	6707	1.003	ppm	94
67) 2-Nitroaniline	7.183	65	2143	1.121	ppm #	65
68) 1,4-Naphthoquinone	7.258	158	1277	0.608	ppm	79
69) m-Dinitrobenzene	7.407	168	1251	0.952	ppm	86
70) Acenaphthylene	7.471	152	11068	1.033	ppm	88
71) Dimethyl phthalate	7.343	163	8275	1.059	ppm	96
72) 2,6-Dinitrotoluene	7.413	165	1811	1.020	ppm	86
73) Acenaphthene	7.642	153	7409	0.995	ppm	96
74) 3-Nitroaniline	7.594	138	1987	0.974	ppm	87
76) Dibenzofuran	7.813	168	9326	1.014	ppm	89
77) 2,4-Dinitrotoluene	7.819	165	2317	0.989	ppm #	69
79) Pentachlorobenzene	7.771	250	2371	0.963	ppm #	63
80) 1-Napthylamine	7.904	143	4915	1.015	ppm	93
81) 2-Napthylamine	7.984	143	6318	1.023	ppm	82
82) 2,3,4,6-Tetrachlorophenol	7.952	232	1044	0.730	ppm	71
83) Fluorene	8.155	166	7890	1.043	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	3083	1.010	ppm	93
85) Diethylphthalate	8.032	149	8006	1.034	ppm	97
86) 4-Nitroaniline	8.203	138	1790	0.890	ppm	96
87) 5-Nitro-o-toluidine	8.182	152	2135	0.935	ppm	92
89) Sulfotepp	8.411	322	988	1.023	ppm	94
90) Octachlorocyclopentene	8.390	307	910	0.925	ppm	75
92) Thionazin	8.112	107	1474	1.157	ppm	87
94) Diphenylamine	8.267	169	11320	1.972	ppm	98
95) 1,2 Diphenylhydrazine	8.305	77	7345	1.014	ppm	90
96) N-Nitrosodiphenylamine	8.267	169	11320	1.972	ppm	98
98) Diallate	8.540	86	3457	1.181	ppm	95
99) Phorate	8.556	121	1564	1.041	ppm	85
100) Phenacetin	8.588	108	3396	0.897	ppm	93
101) 4-Bromophenyl-phenylether	8.636	248	1858	1.094	ppm	93
102) Hexachlorobenzene	8.695	284	2062	1.080	ppm #	71
103) Dimethoate	8.737	87	2877	1.159	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

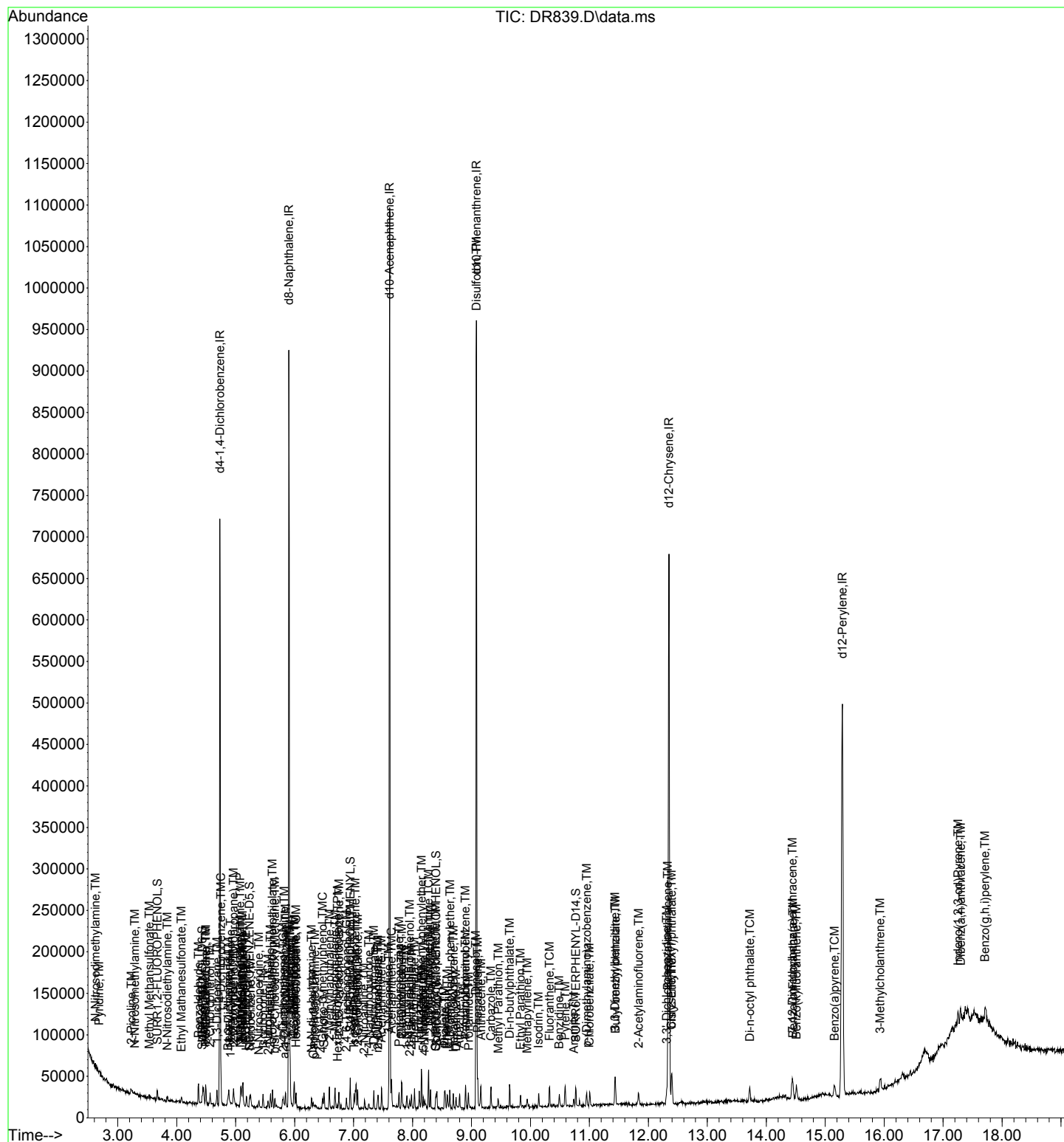
Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) Atrazine	8.796	215	901	0.970	ppm	92
106) 4-Aminobiphenyl	8.897	169	5691	0.976	ppm	96
107) Pentachloronitrobenzene	8.897	237	608	0.862	ppm	95
108) Pronamide	8.951	173	2914	0.877	ppm	73
109) Dinoseb	9.068	211	869	0.527	ppm	88
110) Disulfoton	9.079	88	7355	1.953	ppm	54
111) Phenanthrene	9.106	178	11083	1.079	ppm	97
112) Anthracene	9.159	178	10821	1.060	ppm	92
113) Carbazole	9.330	167	10129	1.010	ppm	95
114) Di-n-butylphthalate	9.645	149	12664	0.977	ppm	99
116) Fluoranthene	10.324	202	9960	0.947	ppm	92
118) Methyl Parathion	9.453	109	2386	1.024	ppm	88
119) Ethyl Parathion	9.832	97	1838	1.056	ppm #	55
120) Methapyrilene	9.944	58	2486	0.982	ppm	100
121) Isodrin	10.137	193	1201	1.118	ppm	78
122) Benzidine	10.489	184	6702	0.972	ppm	80
123) Pyrene	10.591	202	10301	0.955	ppm	99
125) Aramite	10.735	185	1552m	1.050	ppm	
126) p-(Dimethylamino)azobe...	10.954	120	3005	0.938	ppm	89
127) Chlorobenzilate	11.002	139	3439	0.918	ppm	91
128) Butyl benzyl phthalate	11.440	149	5899	0.986	ppm	93
129) 3,3-Dimethylbenzidine	11.434	212	6669	1.016	ppm	91
130) 2-Acetylaminofluorene	11.835	181	4683	0.980	ppm	88
131) 3,3'-Dichlorobenzidine	12.310	252	4285	1.097	ppm	80
132) Benzo(a)anthracene	12.326	228	10868	1.089	ppm	92
133) Chrysene	12.391	228	9838	1.072	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.396	149	8910	1.082	ppm	98
136) Di-n-octyl phthalate	13.720	149	14534	1.028	ppm	87
137) 7,12-Dimethylbenz(a)an...	14.442	256	4740	1.053	ppm	89
138) Benzo(b)Fluoranthene	14.452	252	9907	0.999	ppm	79
139) Benzo(k)fluoranthene	14.511	252	9685	1.031	ppm	90
140) Benzo(a)pyrene	15.157	252	8649	1.014	ppm	90
141) 3-Methylcholanthrene	15.932	268	5296	1.061	ppm	85
142) Indeno(1,2,3-cd)Pyrene	17.251	276	9447	1.130	ppm	89
143) Dibenz(a,h)anthracene	17.299	278	9403	1.073	ppm	83
144) Benzo(g,h,i)perylene	17.710	276	7682	1.066	ppm	92

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

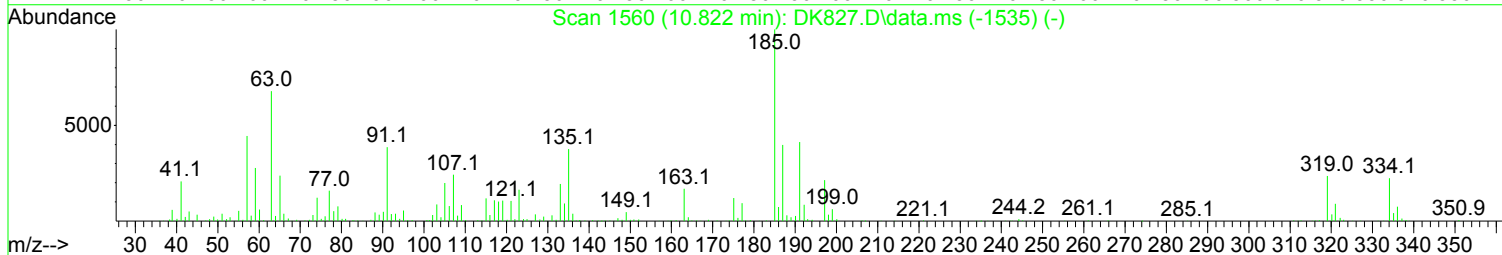
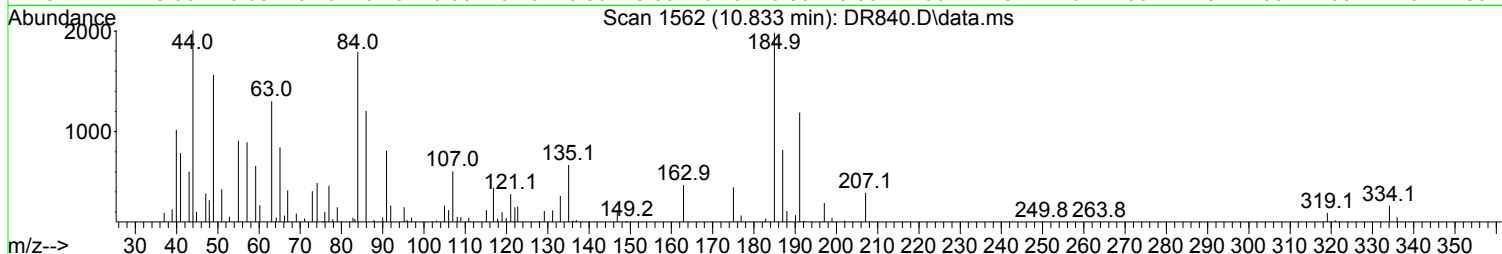
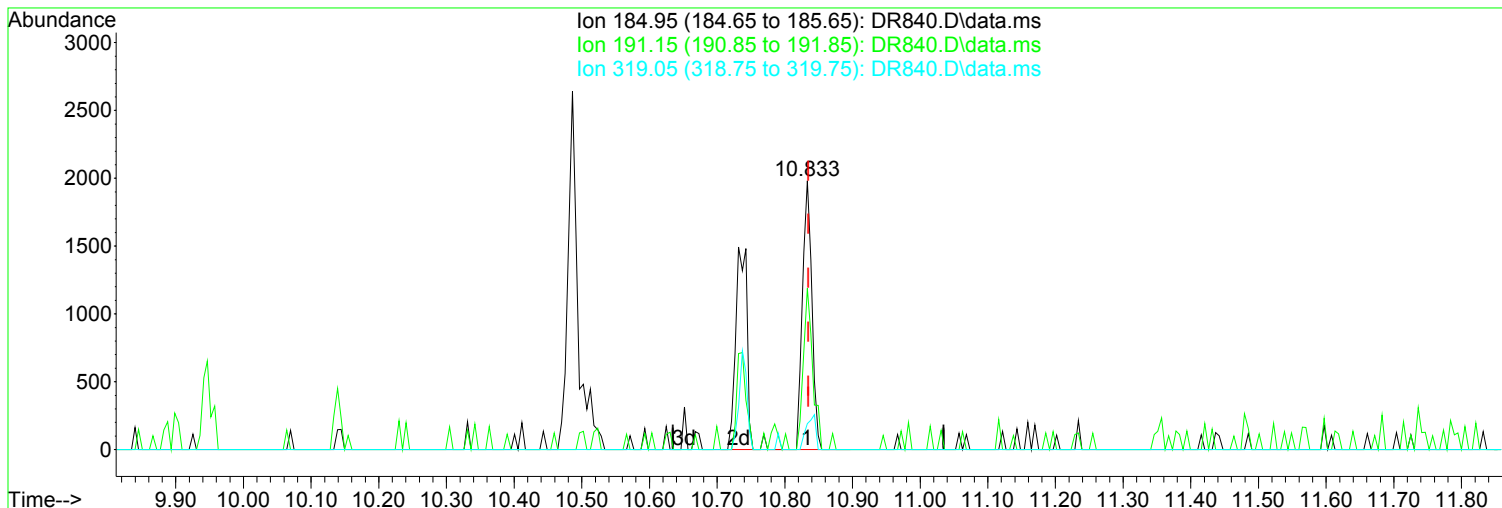
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 2.51 ppm m

After

response 3704

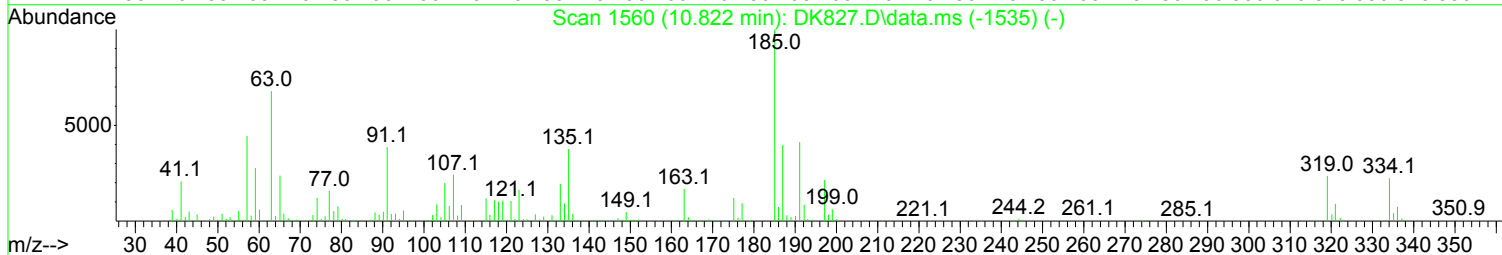
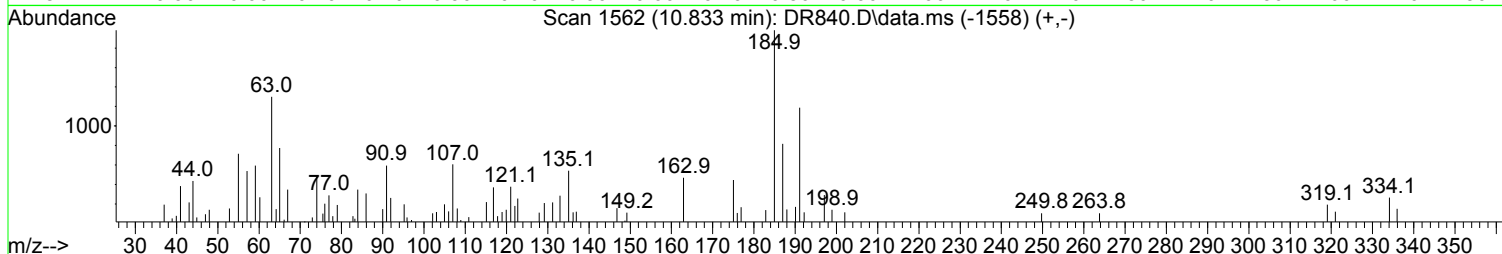
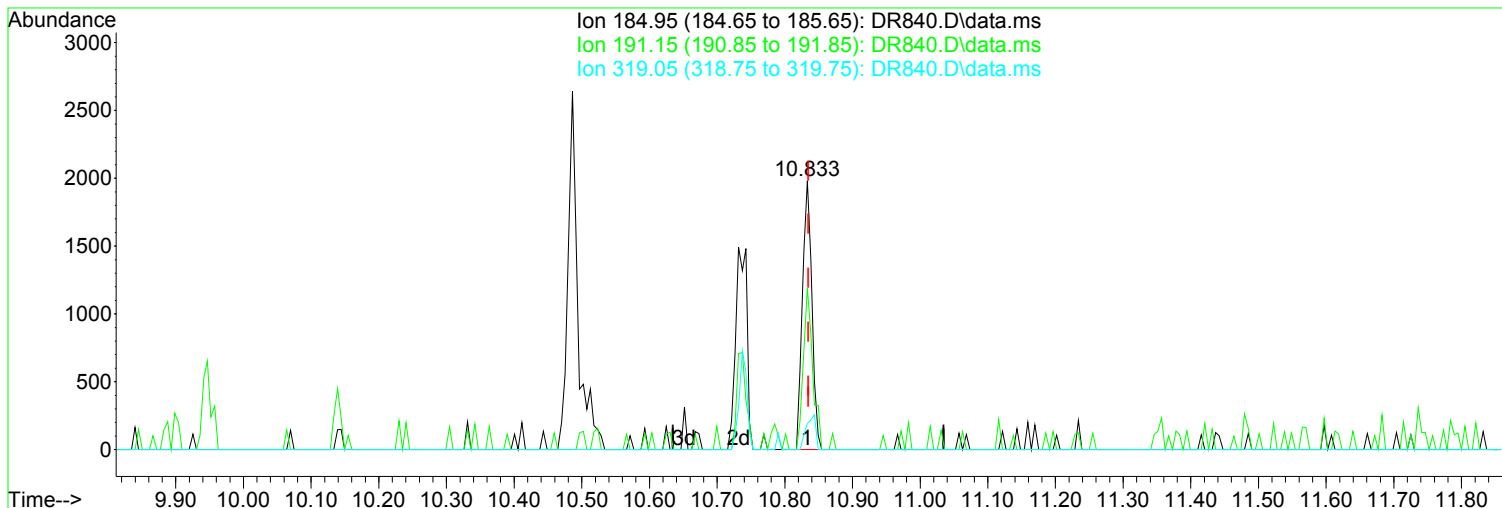
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 1.31 ppm

Before

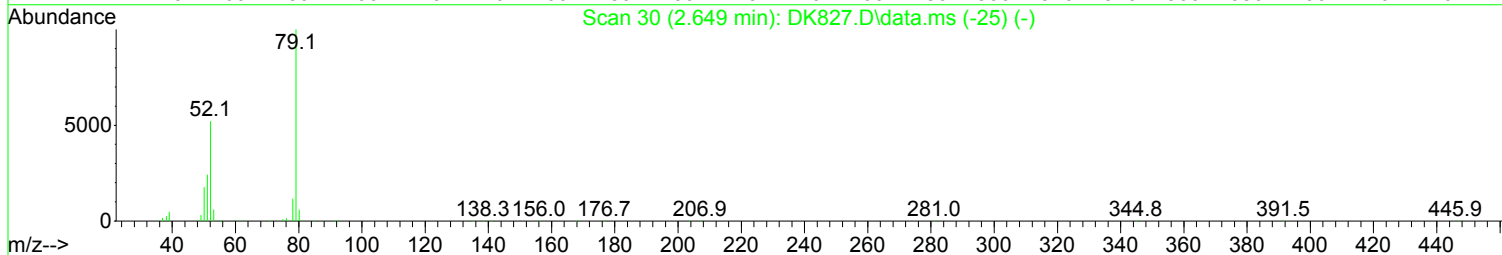
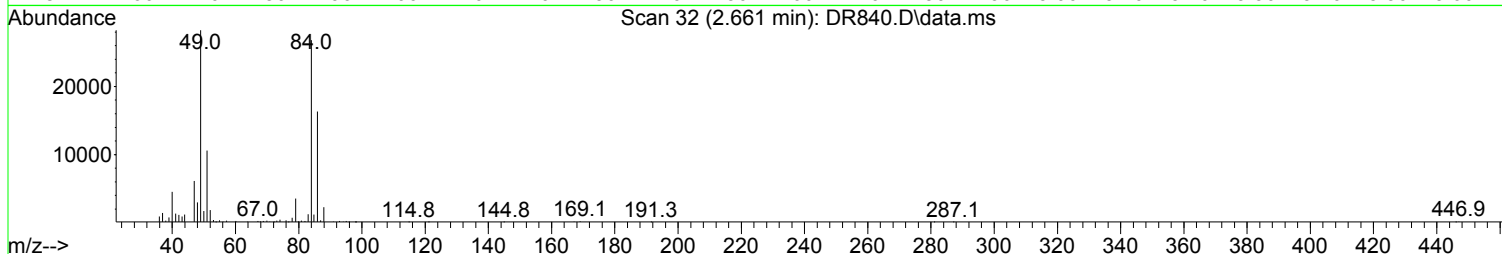
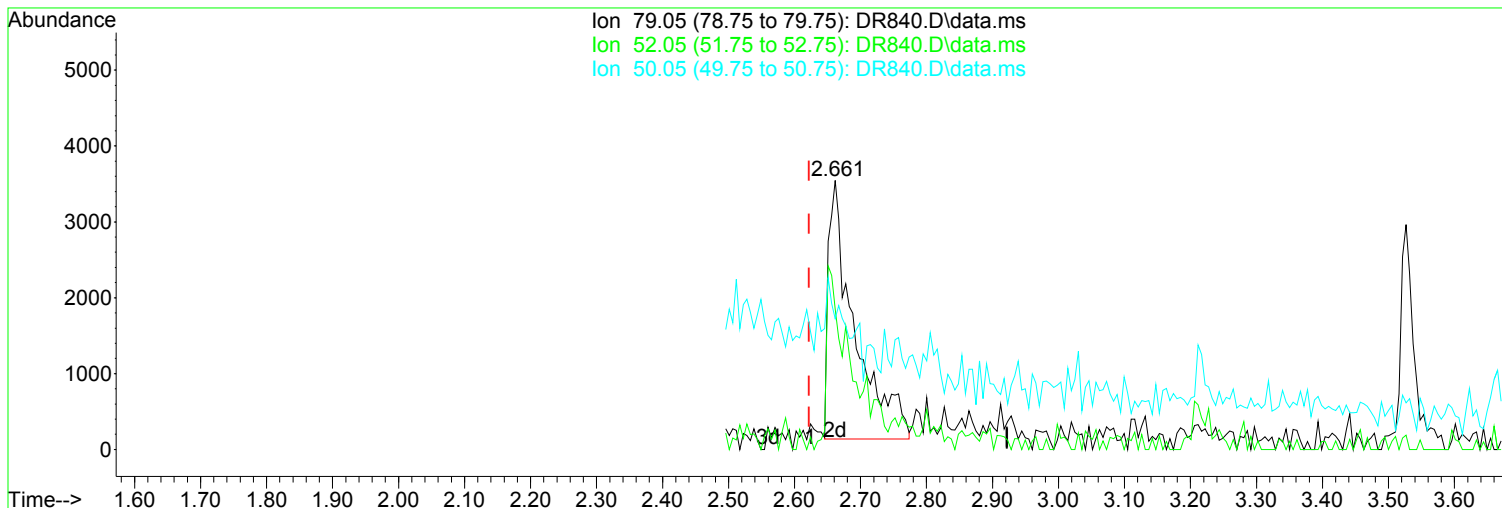
response 1933

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.661min (+ 0.039) 2.18 ppm m

After

response 9421

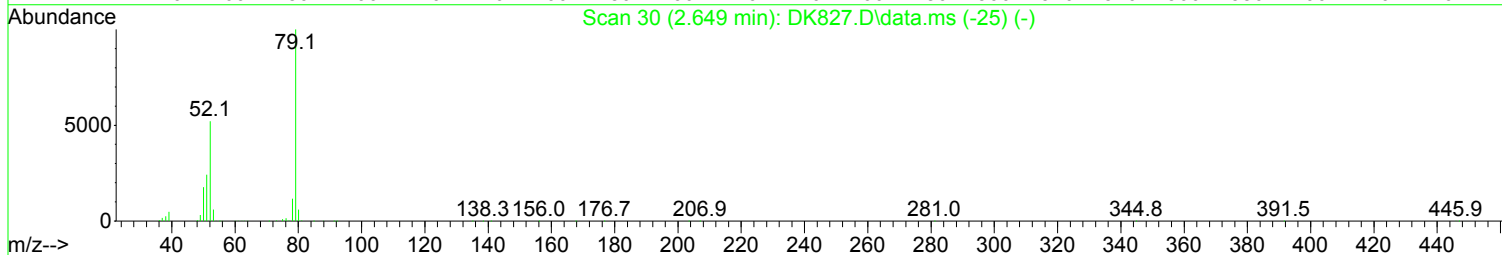
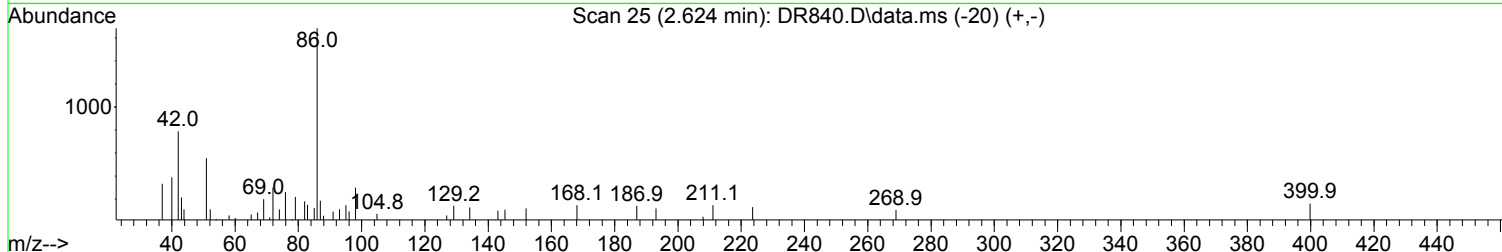
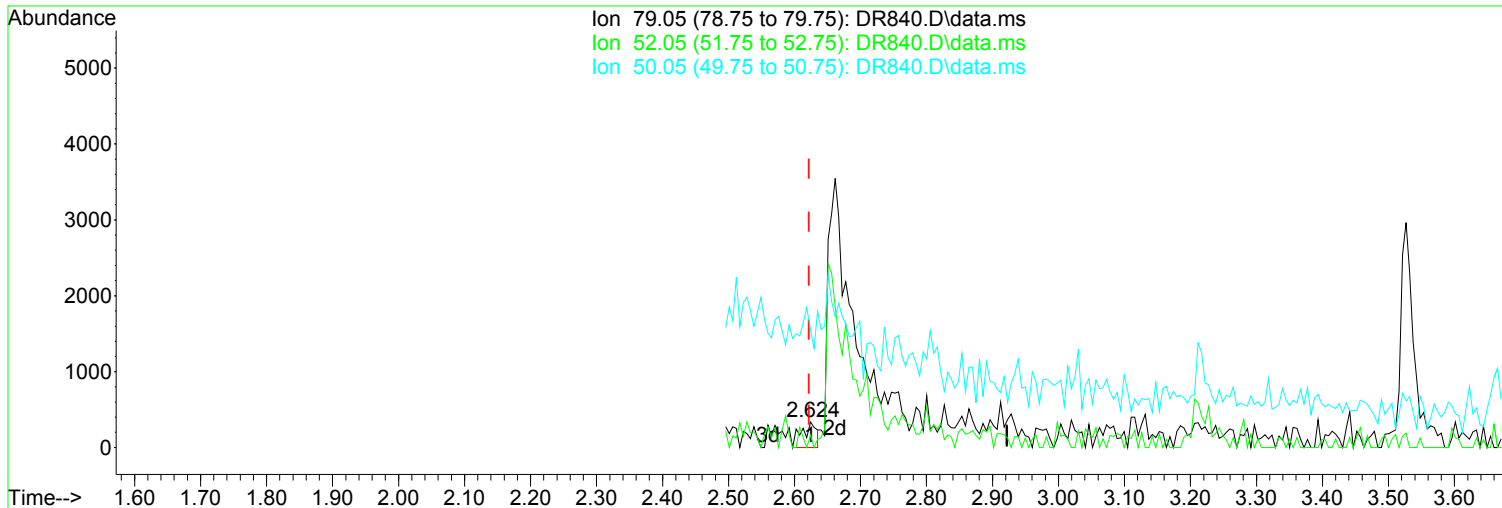
Peak not found.

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	52.24
50.05	24.10	48.63
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR840.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.624min (+ 0.002) 0.12 ppm

Before

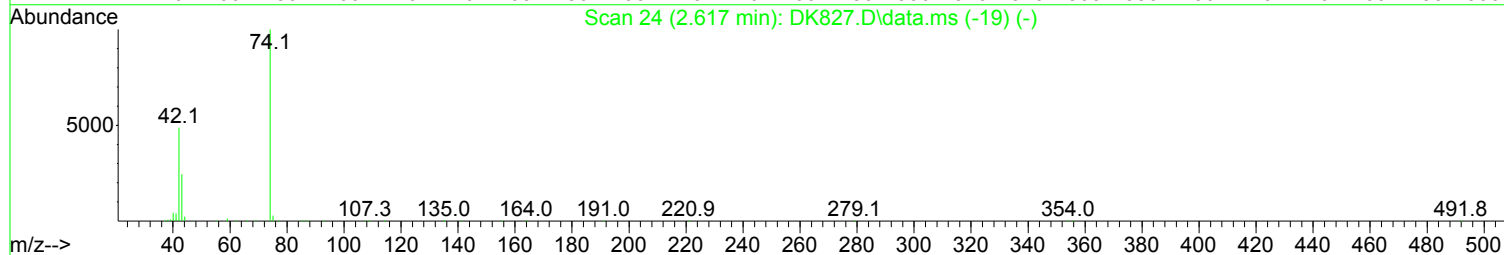
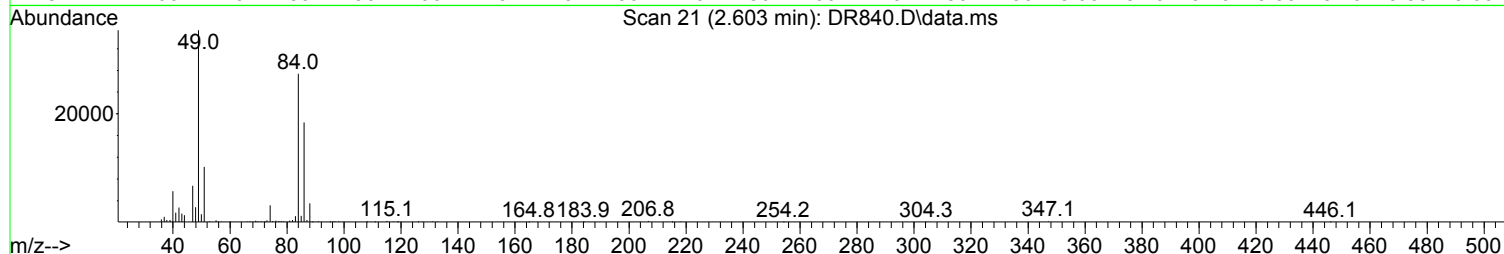
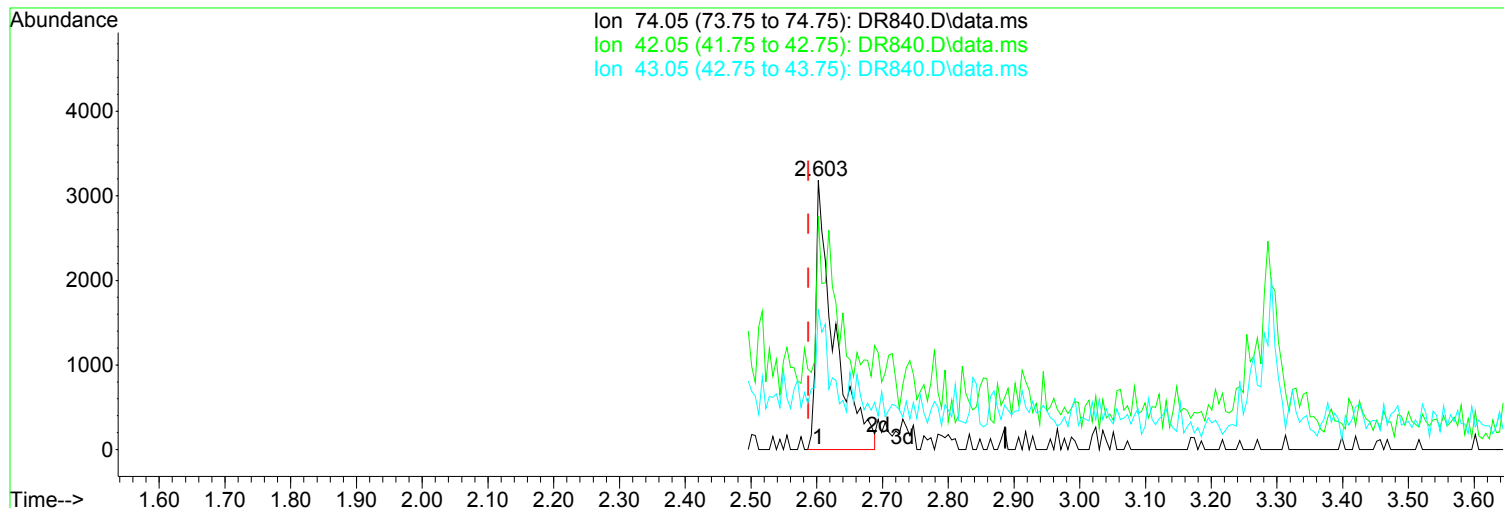
response 520

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	50.11
50.05	24.10	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.603min (+ 0.015) 2.33 ppm m

After

response 6118

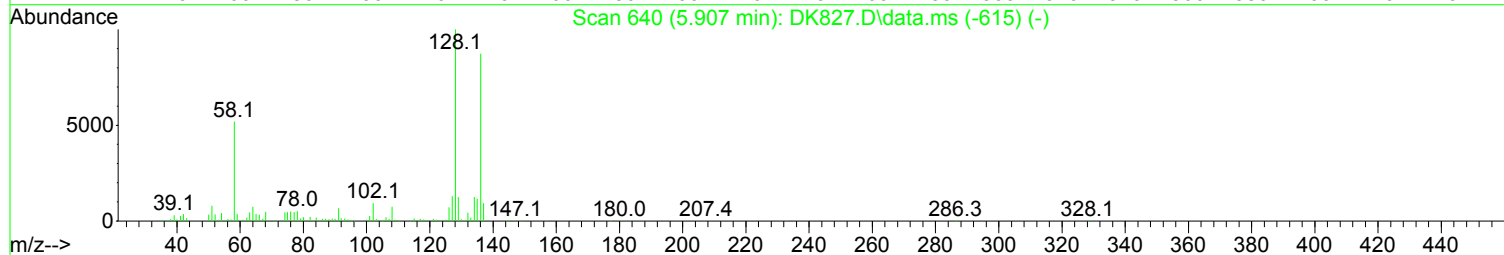
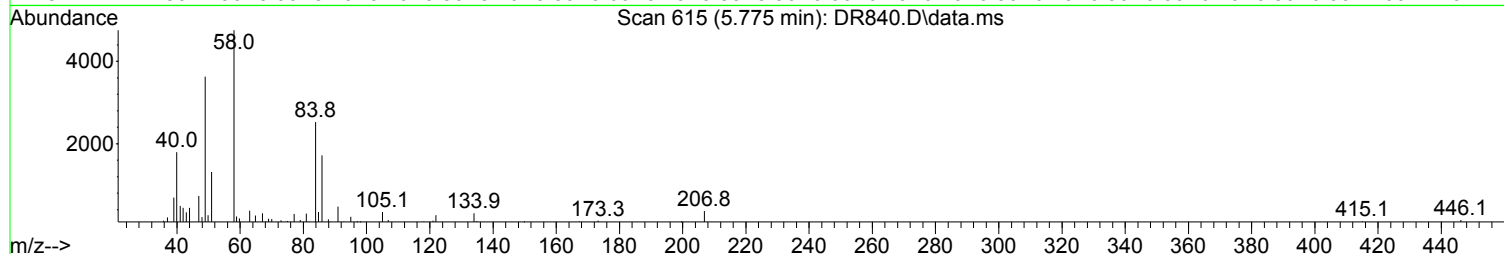
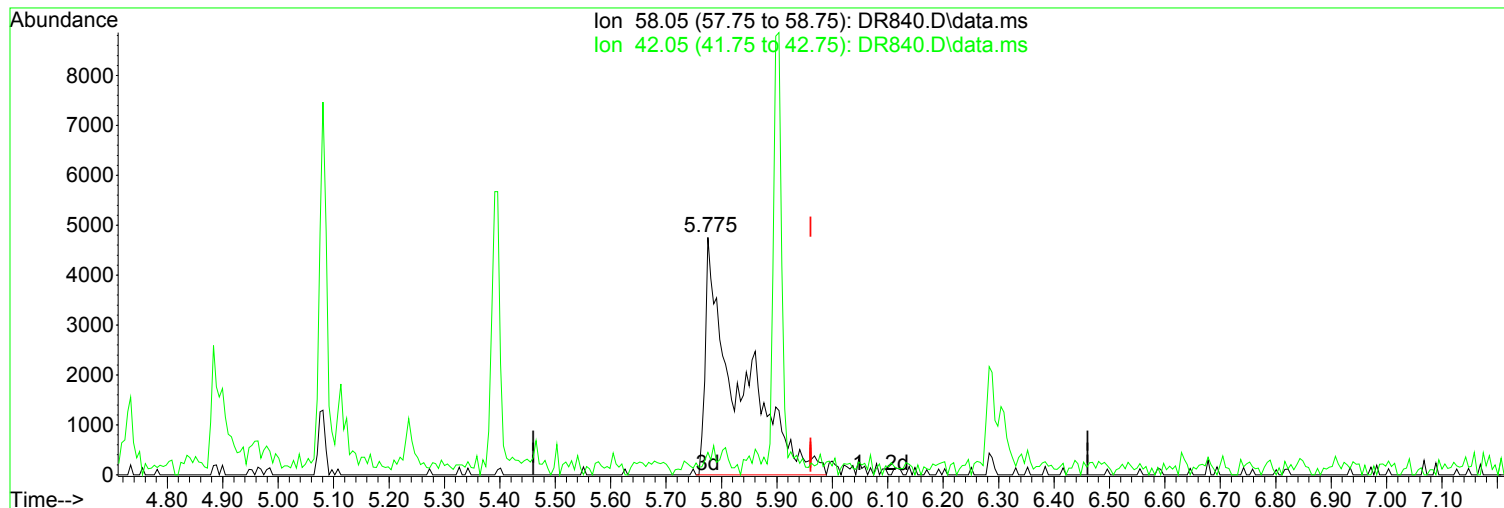
Poor integration.

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.86
43.05	28.80	52.28
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.775min (-0.186) 2.52 ppm m

After

response 19415

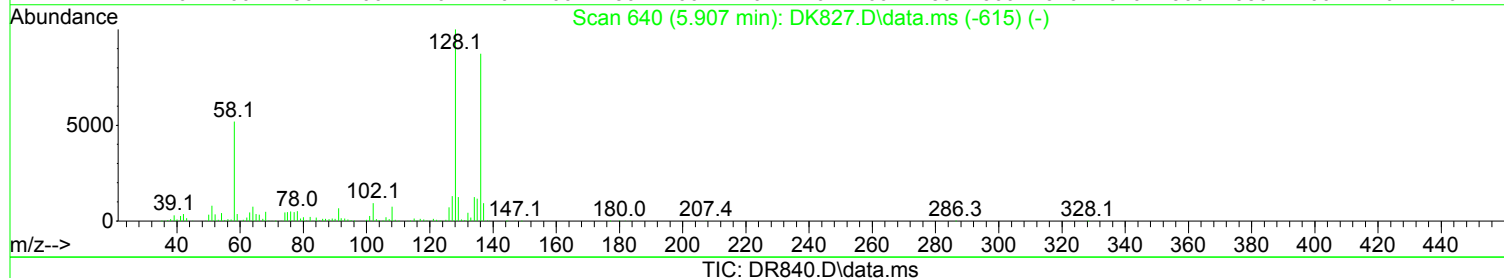
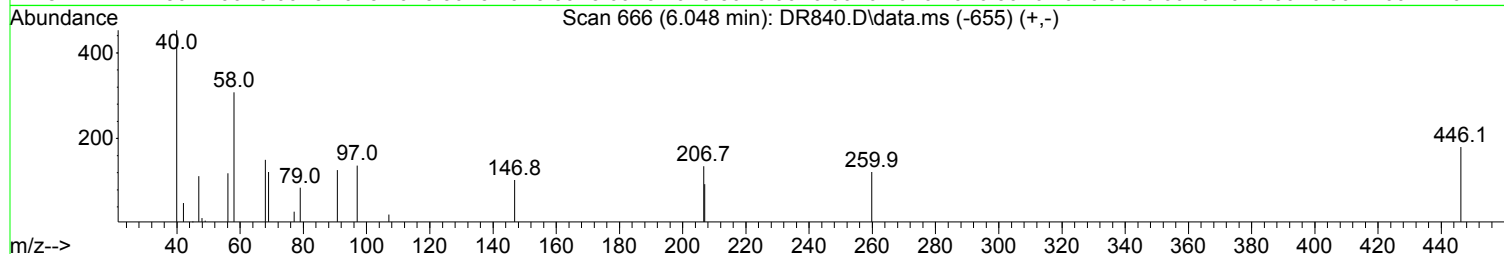
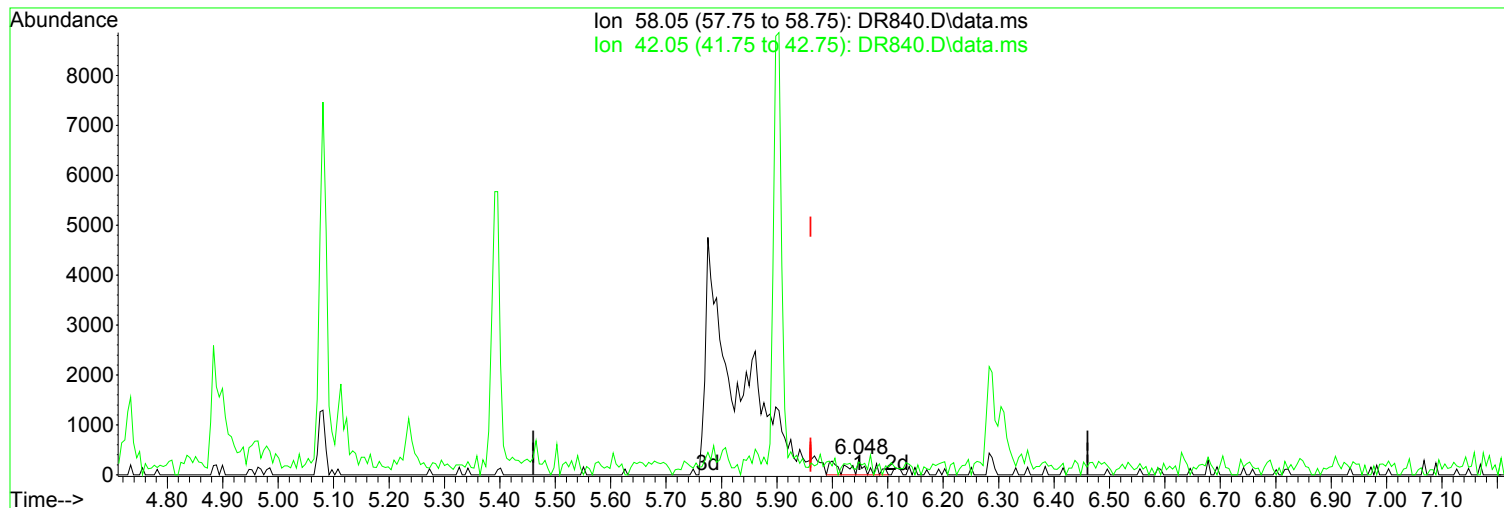
Peak not found.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.048min (+ 0.086) 0.11 ppm

Before

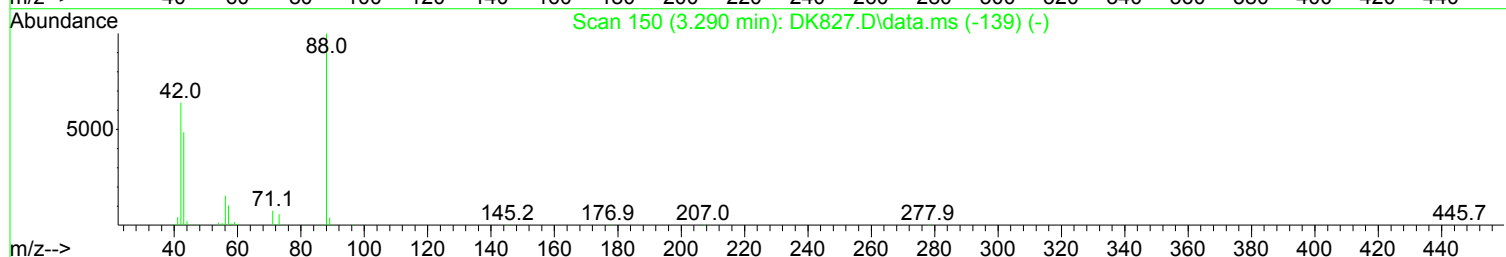
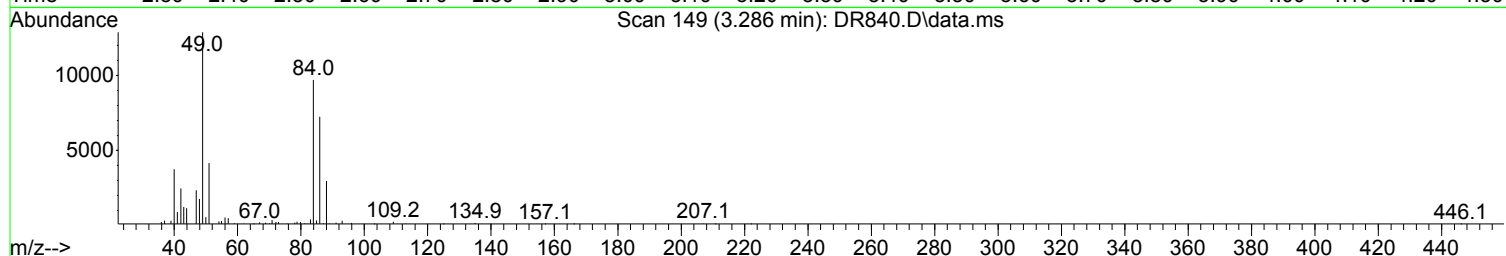
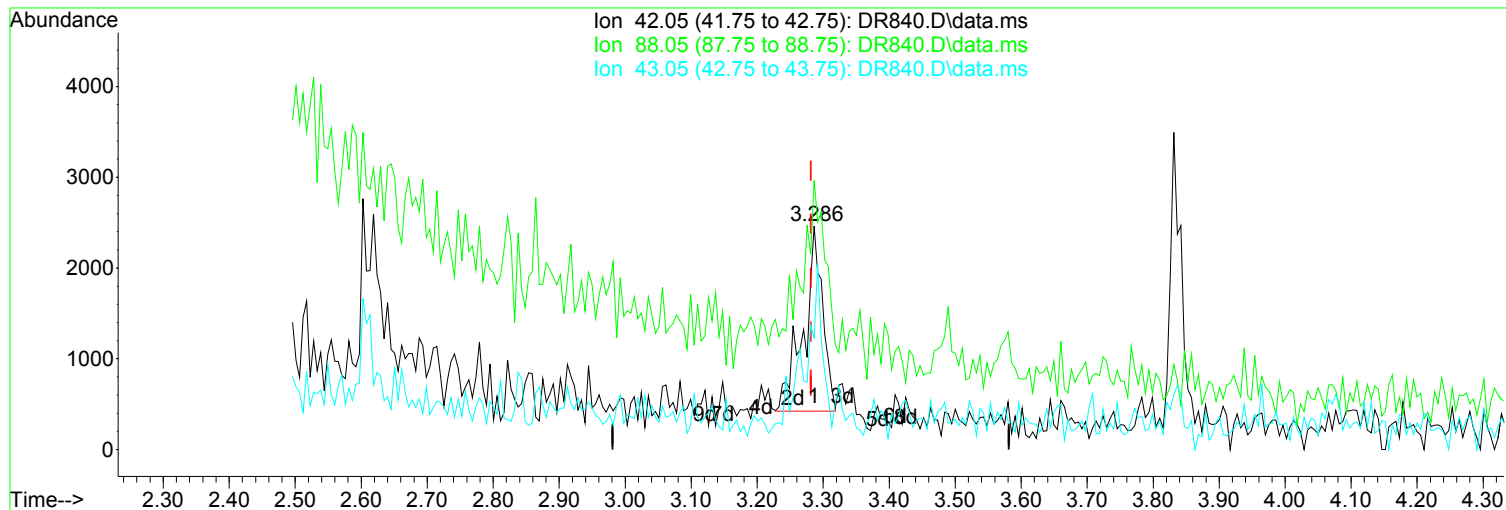
response 880

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	16.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 2.25 ppm m

After

response 4092

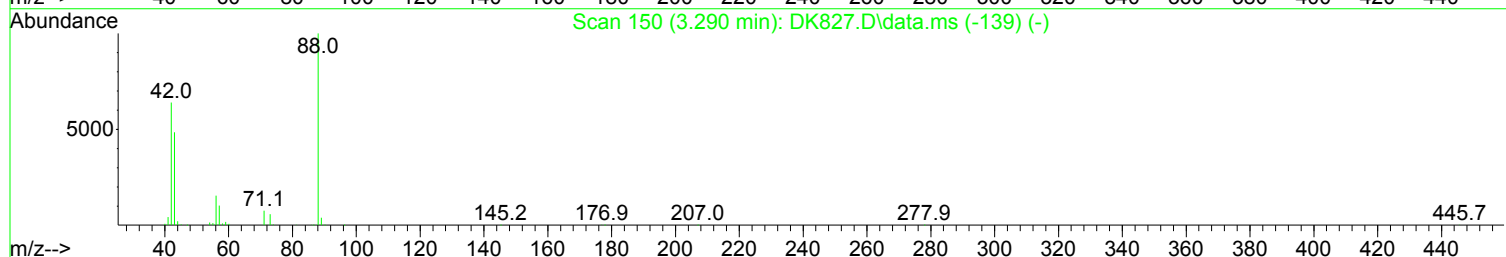
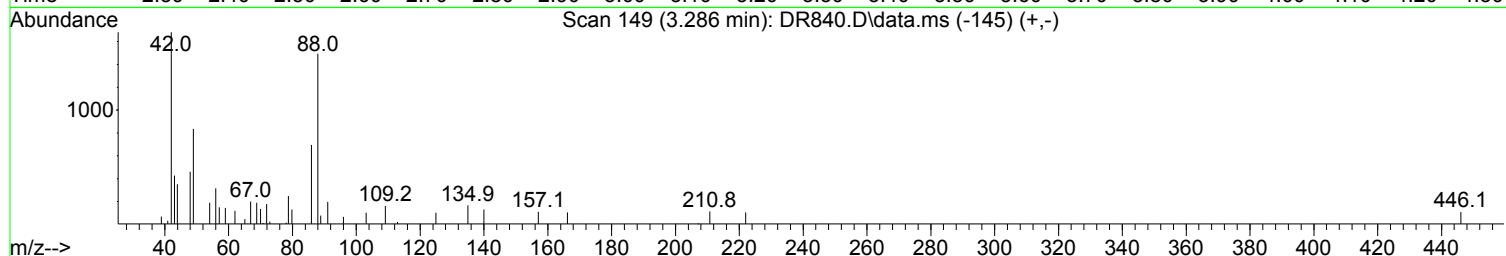
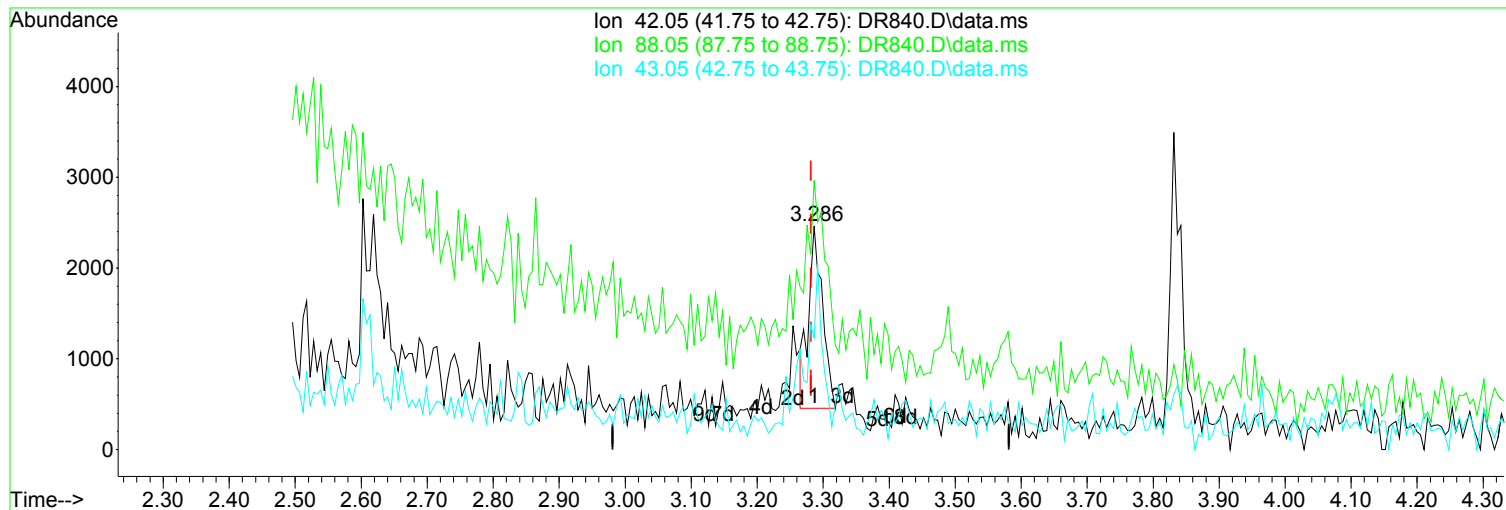
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	120.39
43.05	73.90	50.12
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 1.65 ppm

Before

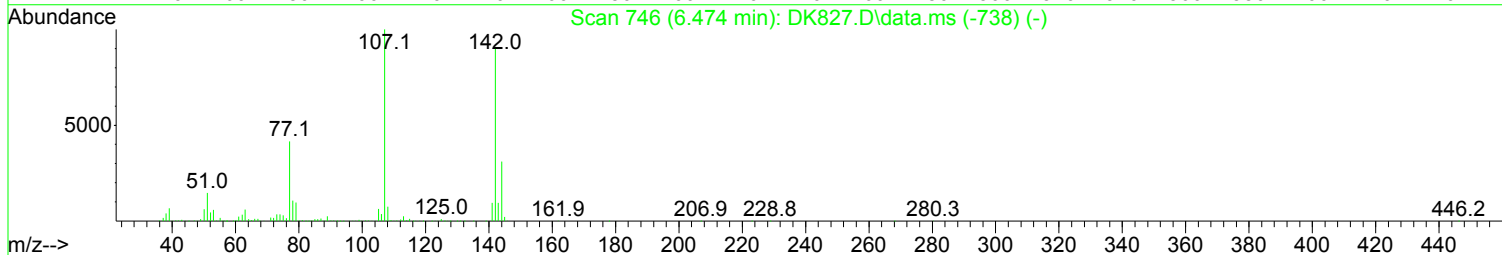
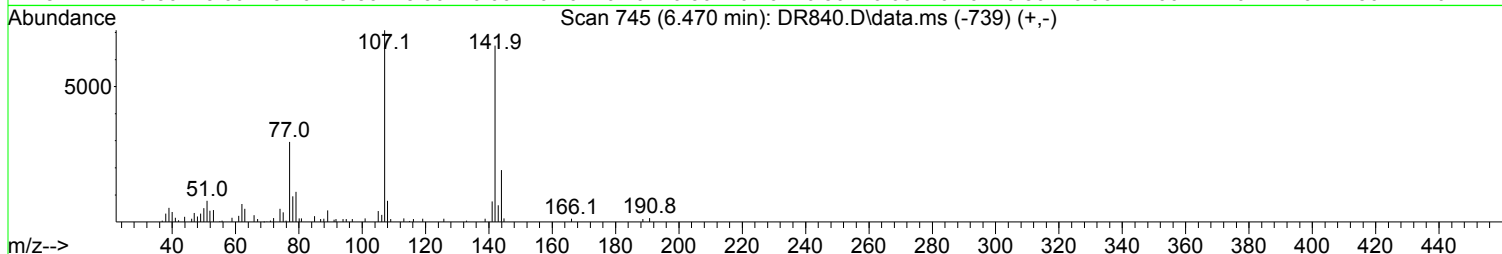
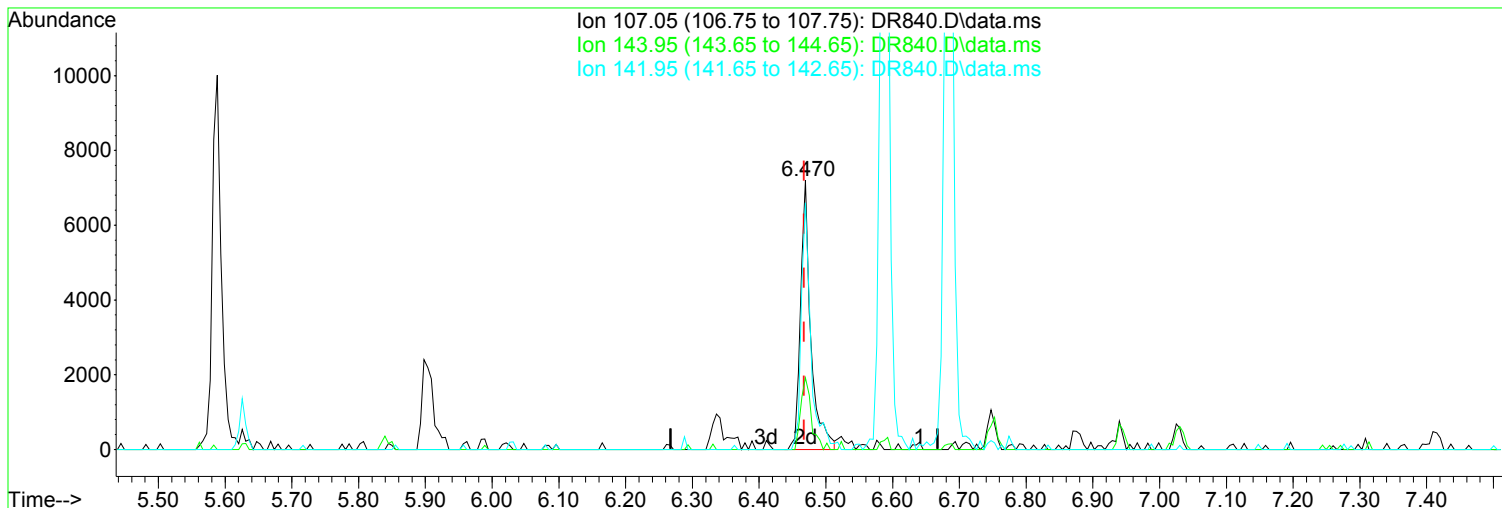
response 2987

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	88.76
43.05	73.90	25.42#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.470min (+ 0.002) 2.52 ppm m

After

response 7676

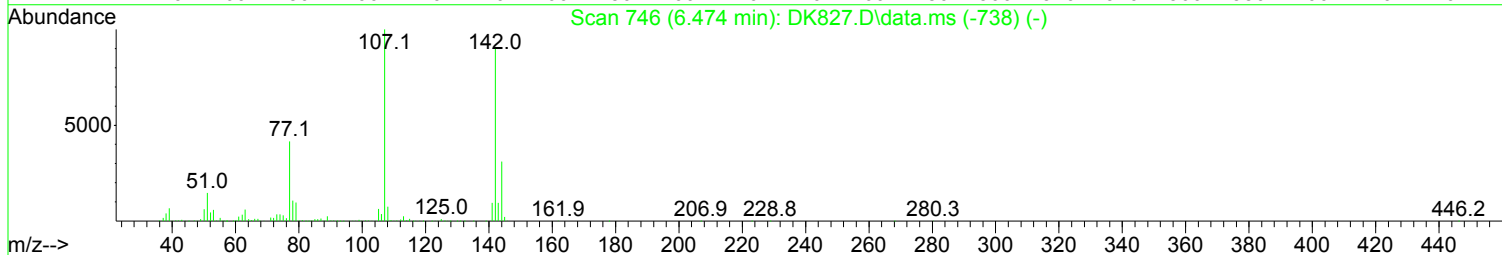
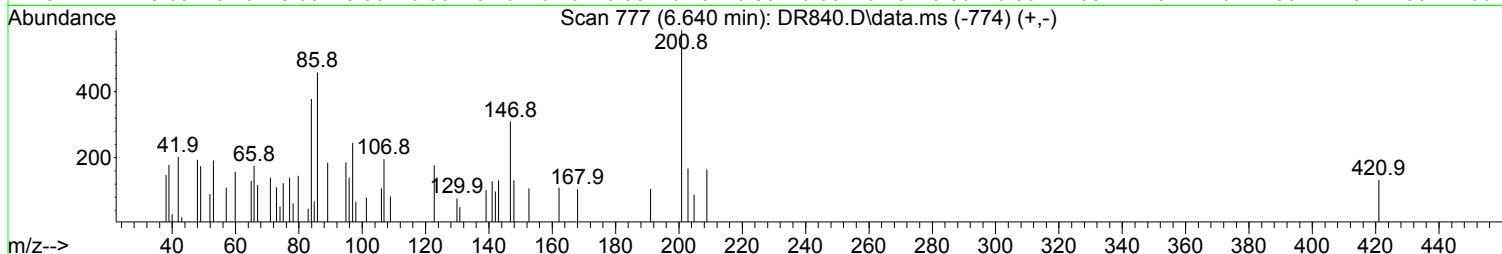
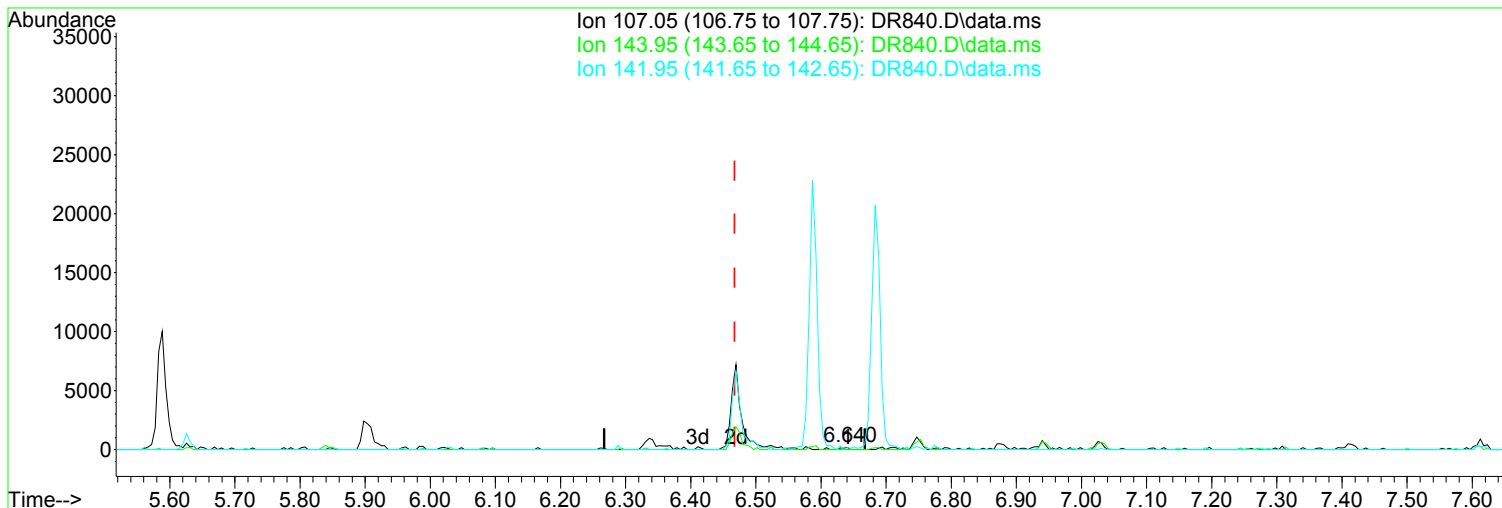
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	26.66
141.95	49.90	91.66#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.640min (+ 0.173) 0.05 ppm

Before

response 141

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	49.74
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	112429	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	406648	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	207367	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	326792	40.00	ppm	0.00
117) d12-Chrysene	12.350	240	293632	40.00	ppm	0.00
135) d12-Perylene	15.288	264	298347	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.665	112	10024	2.45	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	2.45%#
12) SURR2,PHENOL-D6	4.429	99	12557	2.50	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	2.50%#
34) SURR4,NITROBENZENE-D5	5.236	82	11319	2.74	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	5.48%#
63) SURR5,2-FLUOROBIPHENYL	6.940	172	20369	2.58	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	5.16%#
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	2144	2.52	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	2.52%#
124) SURR6,TERPHENYL-D14	10.769	244	17535	2.53	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	5.06%#

Target Compounds						Qvalue
2) Pyridine	2.661	79	9421m	2.183	ppm	
3) N-Nitrosodimethylamine	2.603	74	6118m	2.331	ppm	
4) 2-Picoline	3.211	93	11201	2.508	ppm	91
5) N-Nitrosomethylamine	3.286	42	4092m	2.254	ppm	
6) Methyl Methansulfonate	3.527	80	4874	2.396	ppm	99
8) N-Nitrosodiethylamine	3.831	102	4712	2.363	ppm	97
9) Ethyl Mathanesulfonate	4.077	79	9543	2.776	ppm	96
10) Benzaldehyde	4.365	106	15170	5.275	ppm	92
11) Aniline	4.456	93	16451	2.566	ppm	96
13) Phenol	4.440	94	13614	2.478	ppm	97
14) bis(2-Clethyl)Ether	4.493	93	9694	2.550	ppm	94
15) Pentachloroethane	4.493	117	3940	2.574	ppm	78
16) 2-Chlorophenol	4.563	128	10254	2.376	ppm	93
17) 1,3-Diclbzene	4.686	146	10905	2.428	ppm	92
18) 1,4-Dichlorobenzene	4.750	146	11017	2.397	ppm	95
19) 1,2-Diclbzene	4.883	146	11565	2.633	ppm	94
20) Benzyl Alcohol	4.862	79	7264	2.485	ppm	89
21) 1-Methyl-2-pyrrolidinone	4.894	99	6611	2.475	ppm	86
22) 2,2'-oxybis(1-Chloropr...	4.958	45	9537	2.611	ppm	# 68
23) 2-Methylphenol	4.963	108	10147	2.620	ppm	88
24) 3+4-Methylphenol	5.102	108	10837	2.473	ppm	# 79
25) Acetophenone	5.092	105	13719	2.521	ppm	89
26) N-Nitroso-Di-n-propyla...	5.081	70	7938	2.704	ppm	97
27) N-Nitrosopyrrolidine	5.081	100	5416	2.537	ppm	# 64
28) N-Nitrosomorpholine	5.113	56	5704	2.715	ppm	98
29) o-Toluidine	5.124	106	14993	2.481	ppm	87
30) Hexachloroethane	5.182	117	4038	2.282	ppm	90
31) o,o,o-Triethylphosphor...	5.626	198	4544	2.466	ppm	88
32) Alpha-terpinol	5.925	121	3592	2.502	ppm	78
35) Nitrobenzene	5.252	77	11561	2.790	ppm	96
36) N-Nitrosopiperidine	5.396	42	6228	2.765	ppm	95
37) Isophorone	5.465	82	17643	2.554	ppm	96
38) 2-Nitrophenol	5.546	139	5093	2.375	ppm	95

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	9628	2.493	ppm	88
40) bis(-2-Chloroethoxy)Me...	5.663	93	10254	2.524	ppm	94
42) 2,4-Dichlorophenol	5.791	162	7692	2.515	ppm	97
43) a,a-Dimethylphenethyla...	5.775	58	19415m	2.517	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	8449	2.620	ppm	94
45) Naphthalene	5.925	128	29976	2.675	ppm	98
46) 4-Chloroaniline	5.984	127	12563	2.679	ppm	85
47) 2,6-Dichlorophenol	5.989	162	7902	2.470	ppm	94
48) Hexachlorobutadiene	6.021	225	4347	2.660	ppm	89
49) Hexachloropropene	6.000	213	5301	2.596	ppm	82
50) 4-Chloro-3-methylphenol	6.470	107	7676m	2.517	ppm	
51) N-N-di-n-butylamine	6.283	84	6465	2.668	ppm	97
52) Caprolactam	6.304	113	3082	2.542	ppm	88
53) p-Phenylenediamine	6.331	80	1861	2.324	ppm	# 58
54) Safrole	6.496	162	7218	2.509	ppm	96
55) 2-Methylnaphthalene	6.587	142	19836	2.735	ppm	97
56) 1-Methylnaphthalene	6.683	142	18975	2.796	ppm	95
58) Hexachlorocyclopentadiene	6.731	237	1472	2.268	ppm	75
59) 1,2,4,5-Tetrachloroben...	6.747	216	7691	2.520	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.030	216	8340	2.595	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	4457	2.306	ppm	94
62) 2,4,5-Trichlorophenol	6.934	196	5123	2.464	ppm	95
64) Isosafrole	7.004	104	3124	2.342	ppm	83
65) 1,1'-Biphenyl	7.041	154	24320	2.647	ppm	94
66) 2-Chloronaphthalene	7.068	162	17451	2.628	ppm	97
67) 2-Nitroaniline	7.180	65	4975	2.621	ppm	# 78
68) 1,4-Naphthoquinone	7.255	158	4619	2.216	ppm	91
69) m-Dinitrobenzene	7.399	168	3443	2.639	ppm	94
70) Acenaphthylene	7.474	152	27483	2.584	ppm	95
71) Dimethyl phthalate	7.340	163	22107	2.848	ppm	95
72) 2,6-Dinitrotoluene	7.415	165	4427	2.512	ppm	91
73) Acenaphthene	7.645	153	19297	2.608	ppm	95
74) 3-Nitroaniline	7.591	138	5046	2.491	ppm	87
76) Dibenzofuran	7.815	168	23268	2.547	ppm	87
77) 2,4-Dinitrotoluene	7.815	165	5639	2.423	ppm	95
79) Pentachlorobenzene	7.767	250	6343	2.593	ppm	96
80) 1-Napthylamine	7.901	143	12646	2.629	ppm	91
81) 2-Napthylamine	7.981	143	16172	2.638	ppm	95
82) 2,3,4,6-Tetrachlorophenol	7.954	232	3035	2.136	ppm	69
83) Fluorene	8.152	166	20028	2.666	ppm	94
84) 4-Chlorophenyl-phenyle...	8.147	204	8043	2.654	ppm	96
85) Diethylphthalate	8.029	149	20563	2.675	ppm	94
86) 4-Nitroaniline	8.200	138	4766	2.385	ppm	85
87) 5-Nitro-o-toluidine	8.179	152	5588	2.463	ppm	79
89) Sulfotepp	8.414	322	2661	2.773	ppm	89
90) Octachlorocyclopentene	8.392	307	2207	2.260	ppm	# 72
92) Thionazin	8.109	107	3108	2.424	ppm	99
93) 4,6-Dinitro-2-methylph...	8.216	198	1915	1.520	ppm	# 60
94) Diphenylamine	8.269	169	30114	5.215	ppm	96
95) 1,2 Diphenylhydrazine	8.302	77	19640	2.695	ppm	90
96) N-Nitrosodiphenylamine	8.269	169	30114	5.215	ppm	96
97) 1,3,5-Trinitrobenzene	8.590	74	2065	1.981	ppm	# 73
98) Diallate	8.542	86	8796	2.986	ppm	98
99) Phorate	8.553	121	3742	2.476	ppm	88
100) Phenacetin	8.585	108	9575	2.514	ppm	97
101) 4-Bromophenyl-phenylether	8.633	248	4284	2.507	ppm	# 80

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

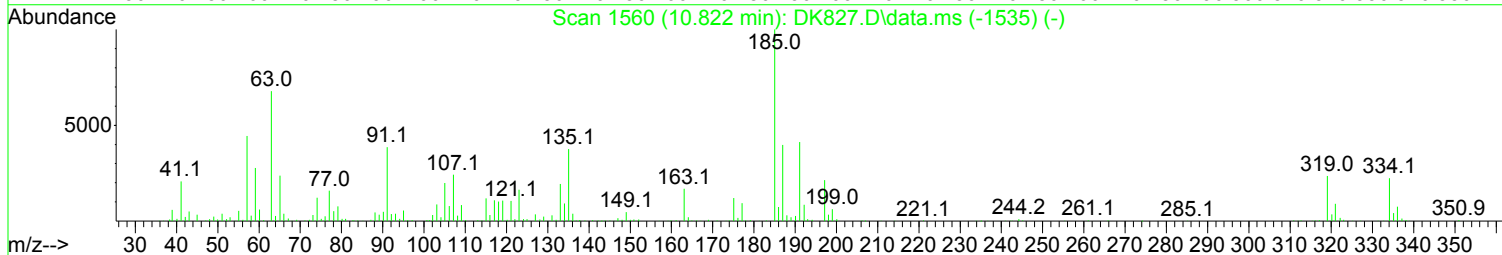
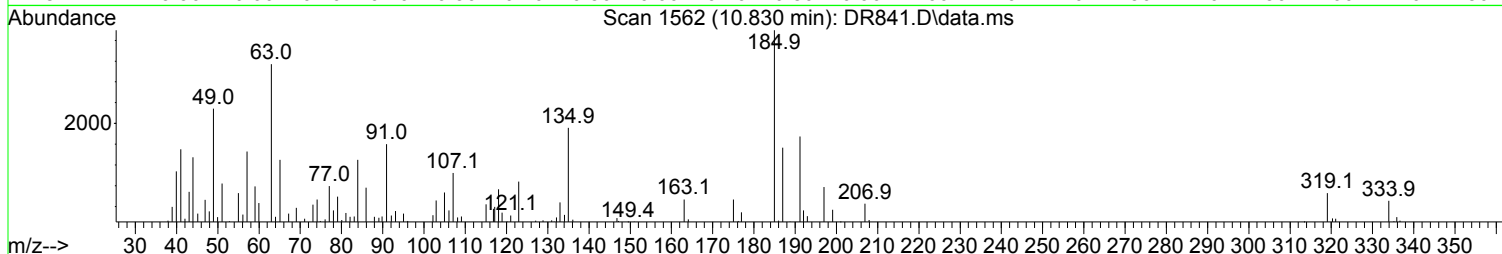
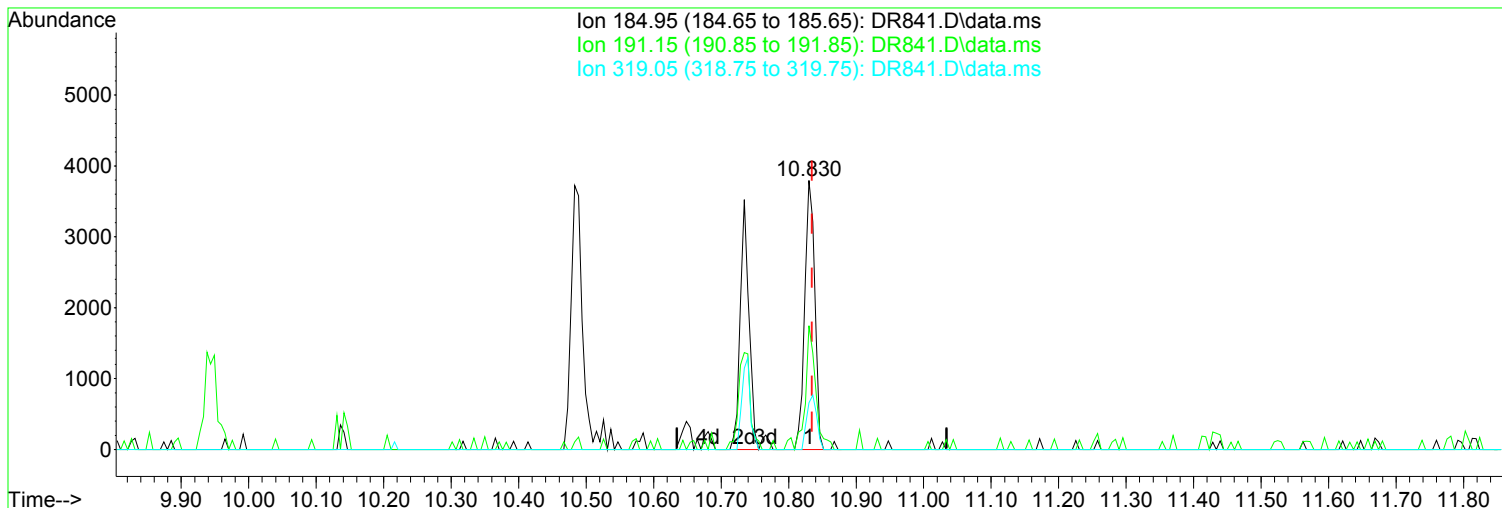
Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) Hexachlorobenzene	8.691	284	5336	2.777	ppm	93
103) Dimethoate	8.734	87	6013	2.408	ppm	92
104) Atrazine	8.798	215	2478	2.652	ppm	89
105) Pentachlorophenol	8.910	266	549	4.035	ppm	88
106) 4-Aminobiphenyl	8.900	169	13920	2.372	ppm	95
107) Pentachloronitrobenzene	8.900	237	1649	2.323	ppm	86
108) Pronamide	8.948	173	7920	2.370	ppm	97
109) Dinoseb	9.071	211	2119	1.278	ppm	# 69
110) Disulfoton	9.071	88	13037	3.442	ppm	89
111) Phenanthrene	9.108	178	27356	2.647	ppm	95
112) Anthracene	9.156	178	26345	2.566	ppm	96
113) Carbazole	9.327	167	24783	2.457	ppm	95
114) Di-n-butylphthalate	9.647	149	31636	2.427	ppm	96
116) Fluoranthene	10.320	202	26070	2.464	ppm	96
118) Methyl Parathion	9.450	109	6006	2.580	ppm	85
119) Ethyl Parathion	9.829	97	4444	2.555	ppm	96
120) Methapyrilene	9.941	58	6664	2.634	ppm	91
121) Isodrin	10.139	193	2668	2.485	ppm	93
122) Benzidine	10.486	184	16409	2.382	ppm	90
123) Pyrene	10.588	202	25727	2.386	ppm	98
125) Aramite	10.833	185	3704m	2.507	ppm	
126) p-(Dimethylamino)azobe...	10.951	120	7604	2.374	ppm	97
127) Chlorobenzilate	11.004	139	9073	2.425	ppm	89
128) Butyl benzyl phthalate	11.437	149	15735	2.631	ppm	86
129) 3,3-Dimethylbenzidine	11.431	212	14983	2.285	ppm	99
130) 2-Acetylaminofluorene	11.827	181	11146	2.333	ppm	94
131) 3,3'-Dichlorobenzidine	12.313	252	9753	2.497	ppm	92
132) Benzo(a)anthracene	12.329	228	26022	2.610	ppm	93
133) Chrysene	12.393	228	24184	2.637	ppm	95
134) bis(2-Ethylhexyl)phtha...	12.403	149	20931	2.543	ppm	85
136) Di-n-octyl phthalate	13.723	149	35565	2.512	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.433	256	10405	2.307	ppm	81
138) Benzo(b)Fluoranthene	14.454	252	26212	2.640	ppm	96
139) Benzo(k)fluoranthene	14.513	252	24151	2.568	ppm	97
140) Benzo(a)pyrene	15.154	252	20847	2.442	ppm	97
141) 3-Methylcholanthrene	15.939	268	12482	2.496	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.248	276	20220	2.415	ppm	94
143) Dibenz(a,h)anthracene	17.296	278	22715	2.589	ppm	96
144) Benzo(g,h,i)perylene	17.712	276	19696	2.729	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 4.90 ppm m

After

response 7296

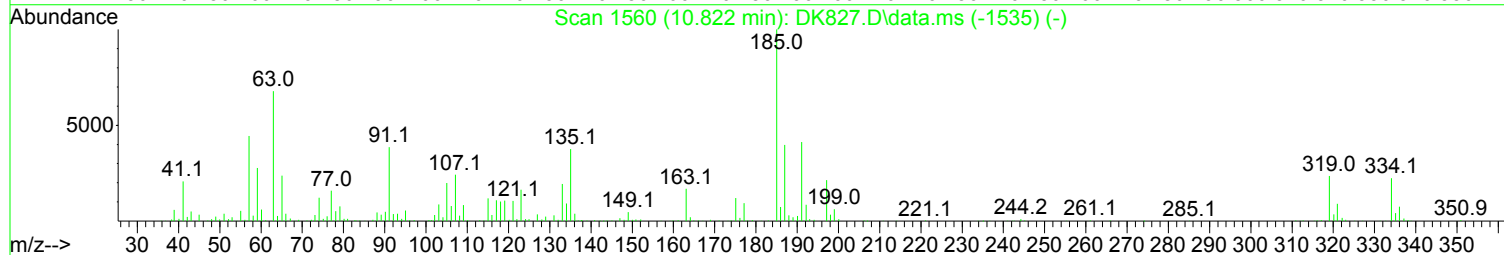
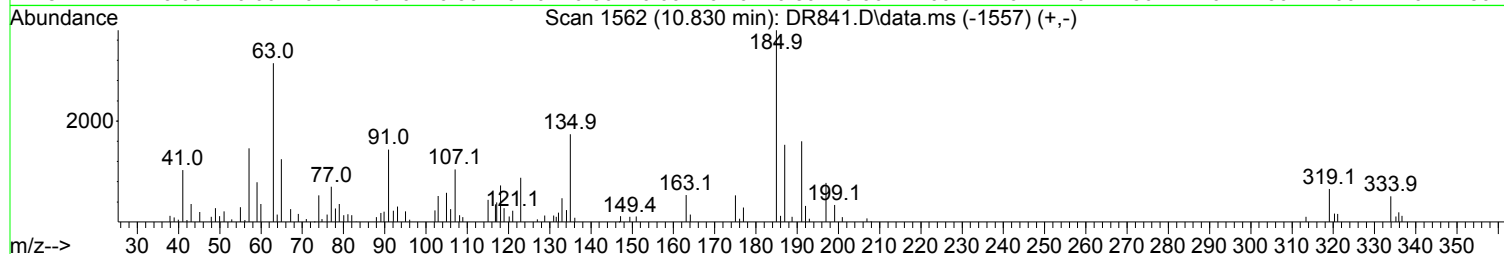
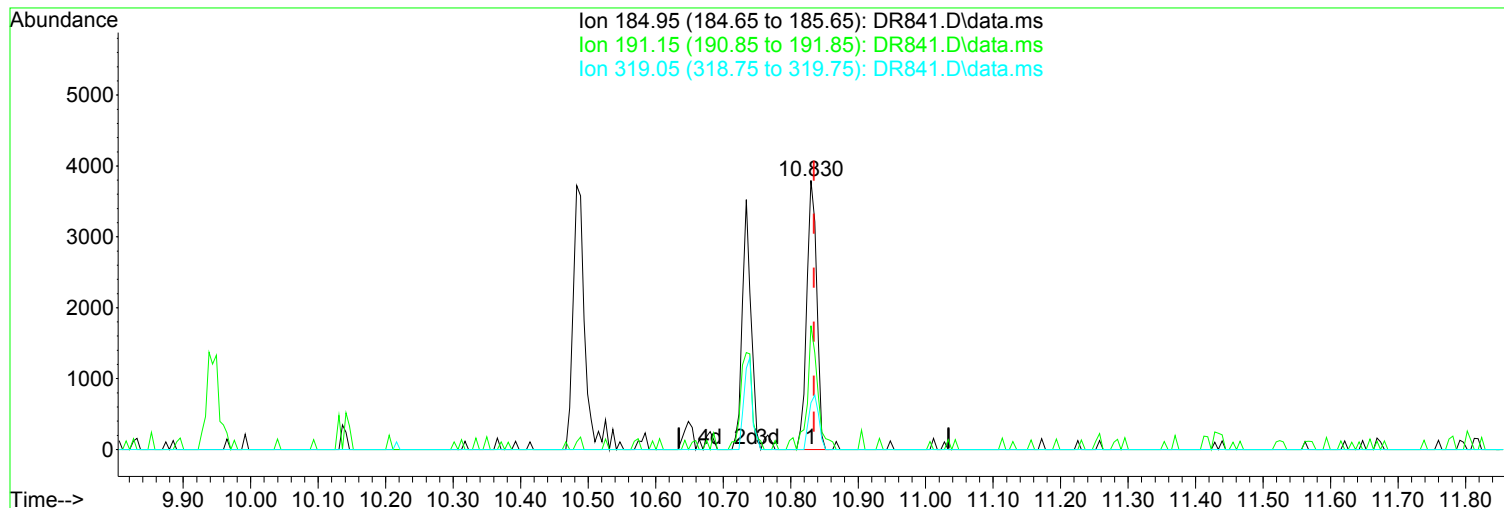
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	46.06
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 2.63 ppm

Before

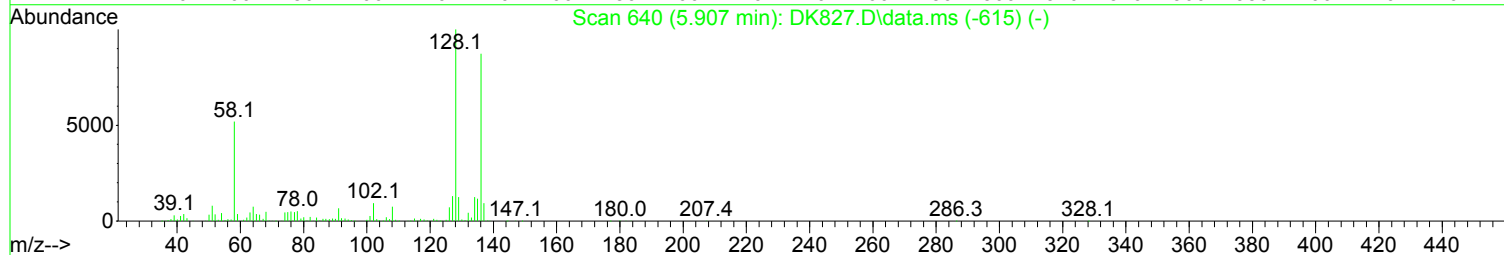
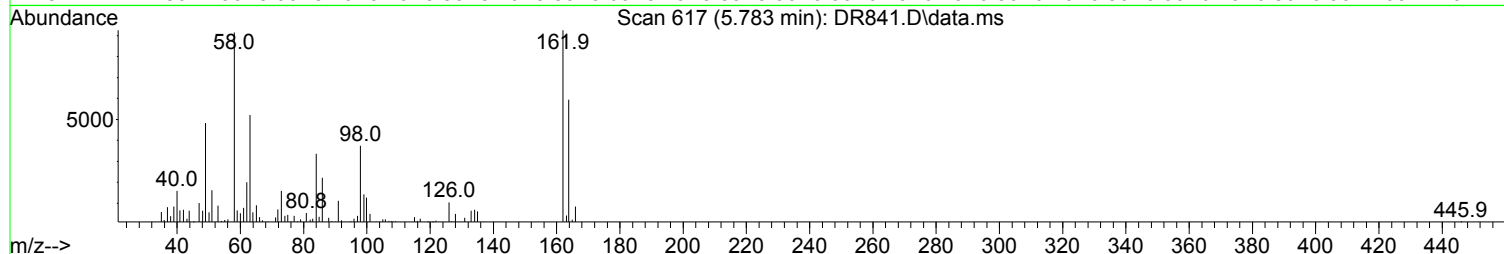
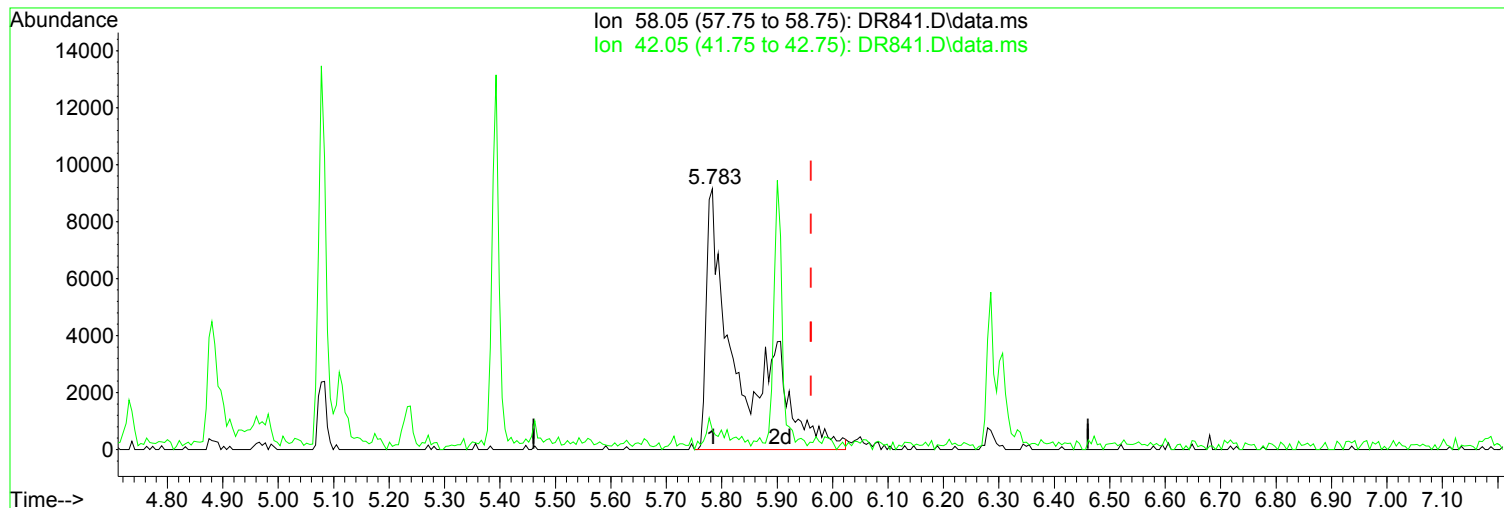
response 3923

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.11
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 4.87 ppm m

After

response 37152

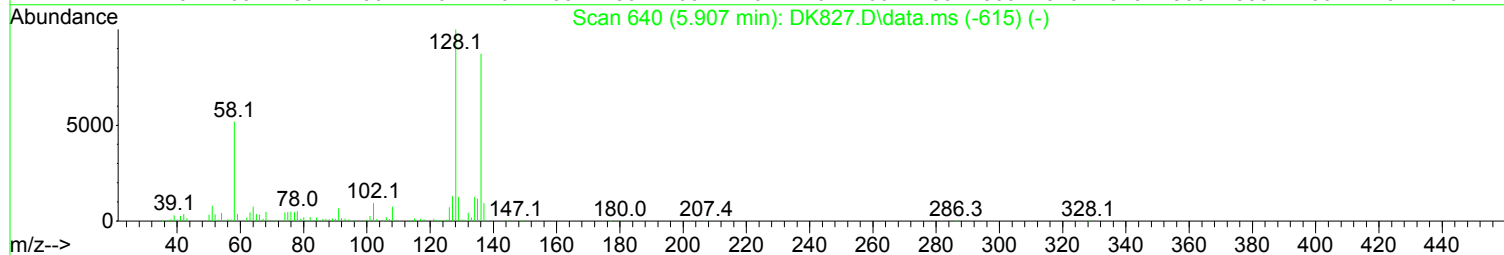
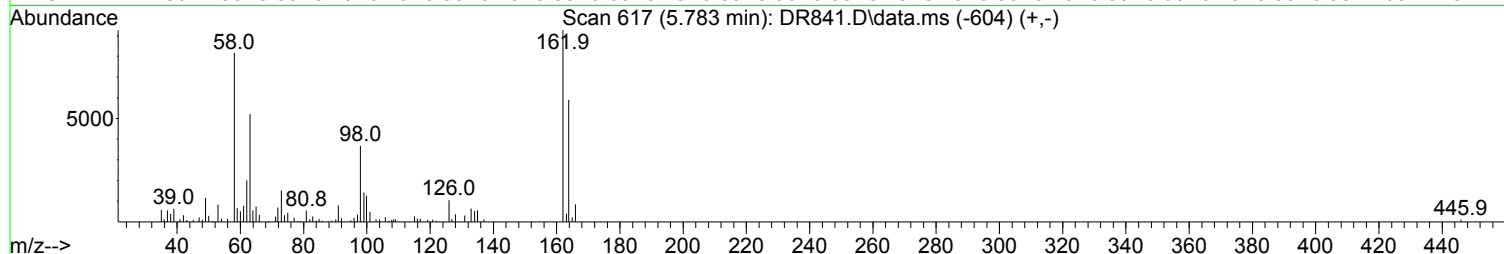
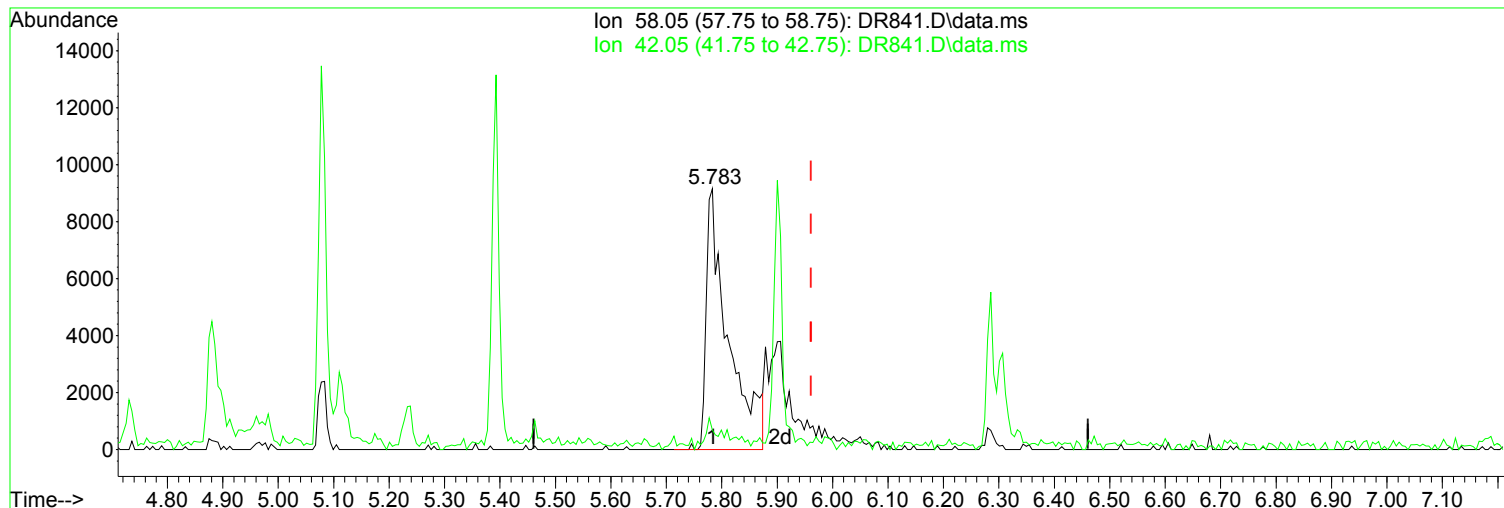
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.51
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 3.27 ppm

Before

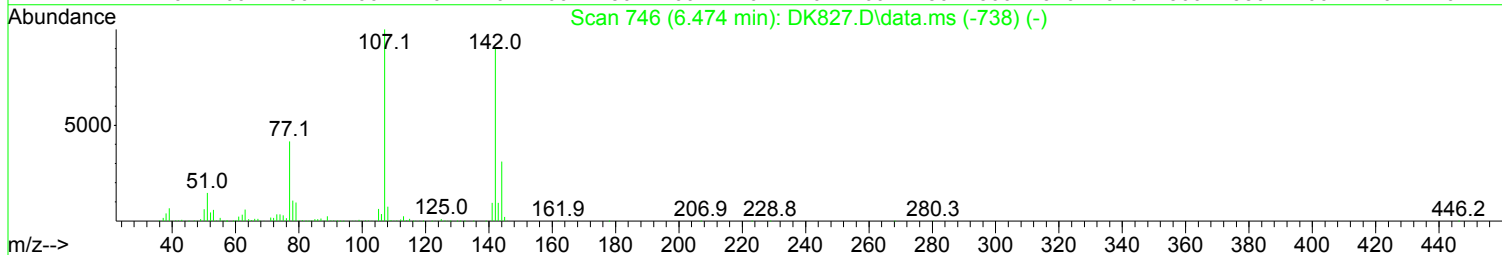
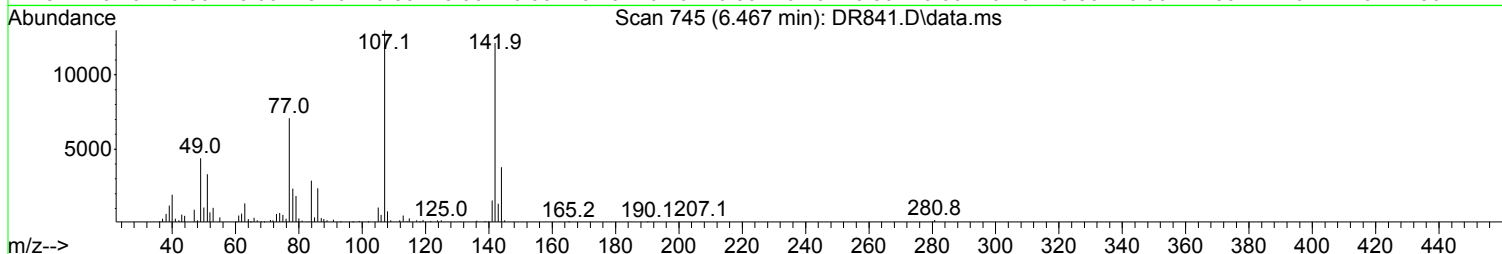
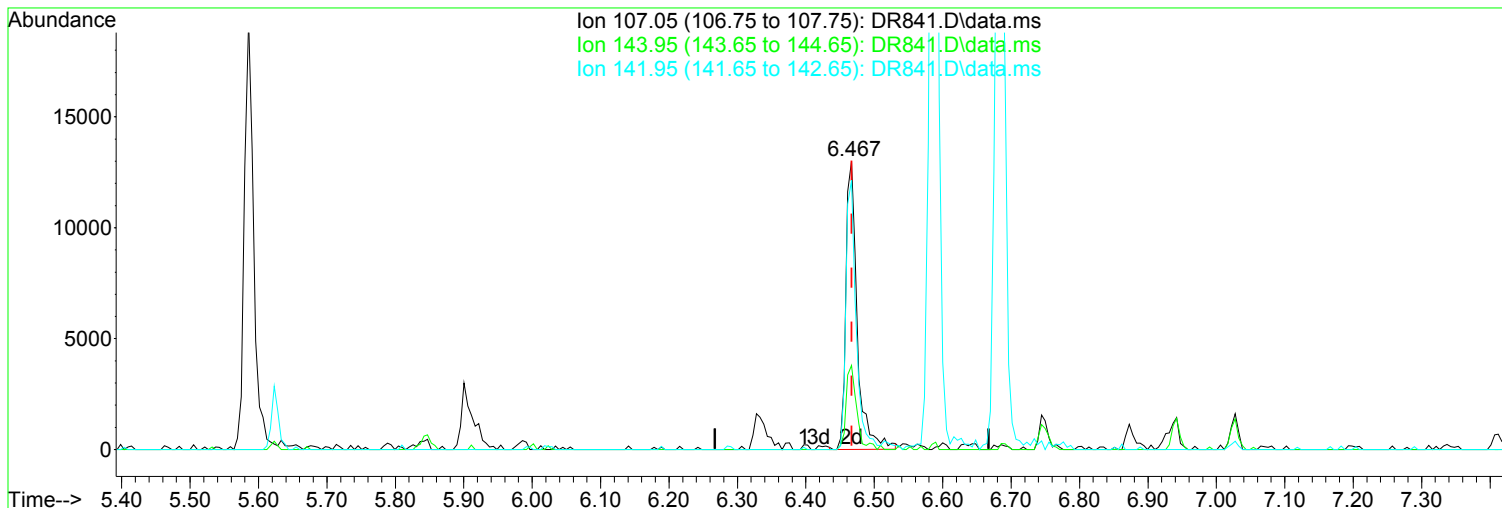
response 24966

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	4.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.467min (-0.001) 4.96 ppm m

After

response 14966

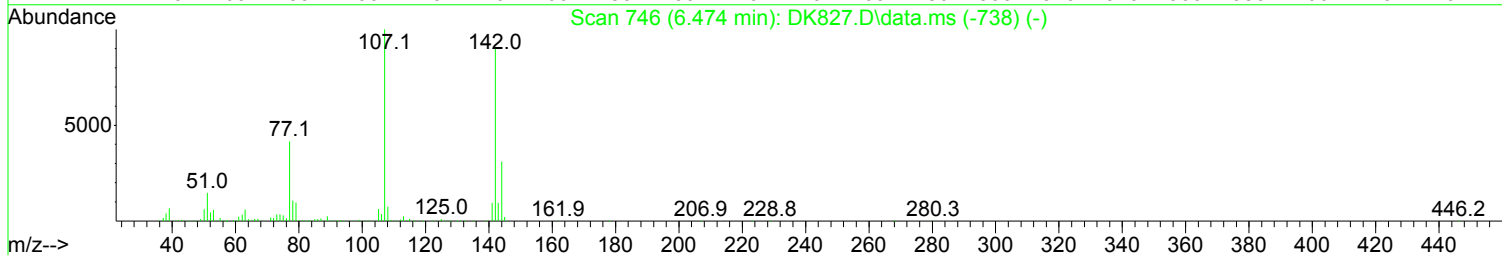
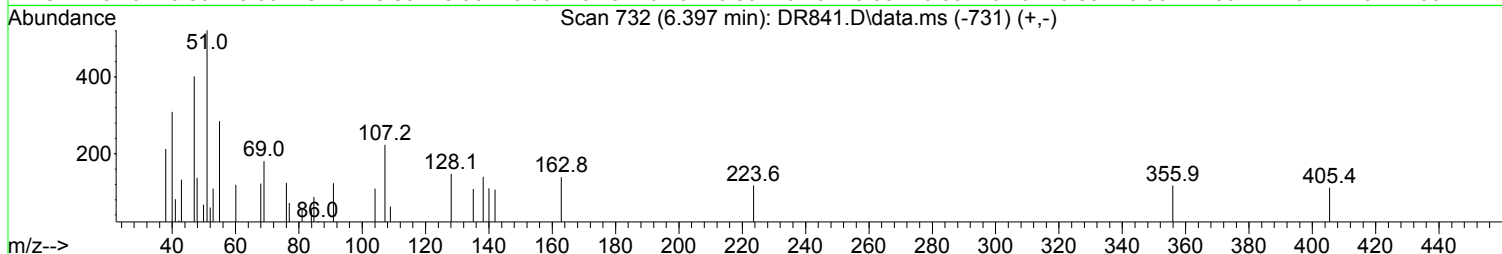
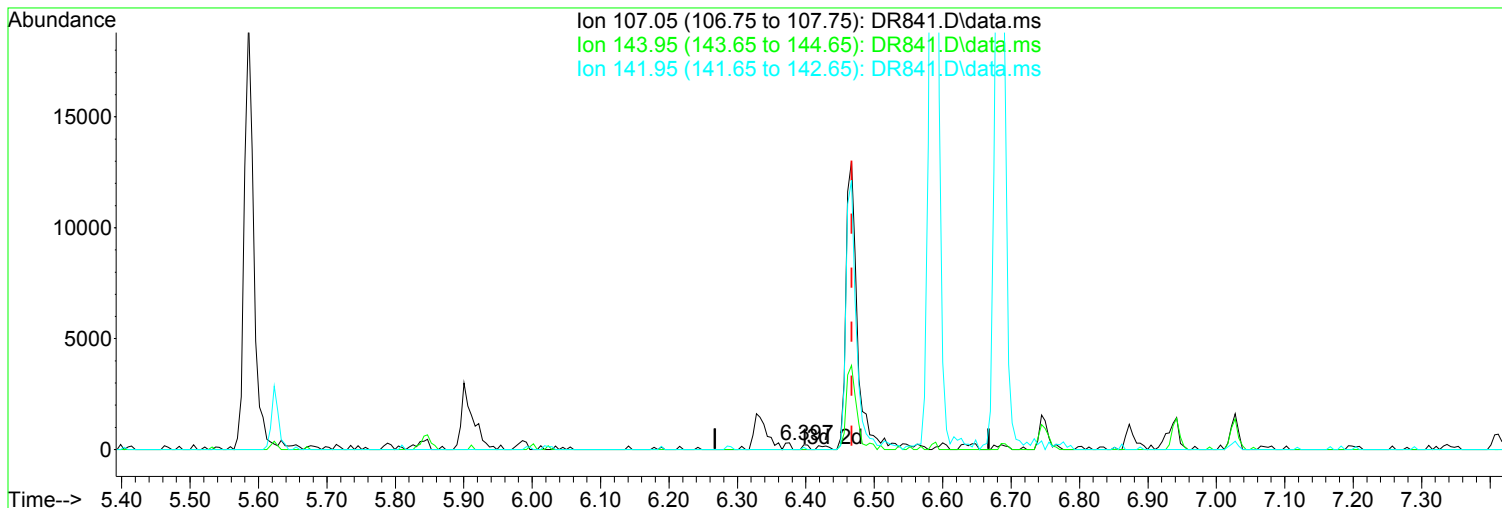
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	29.18
141.95	49.90	93.32#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.397min (-0.070) 0.04 ppm

Before

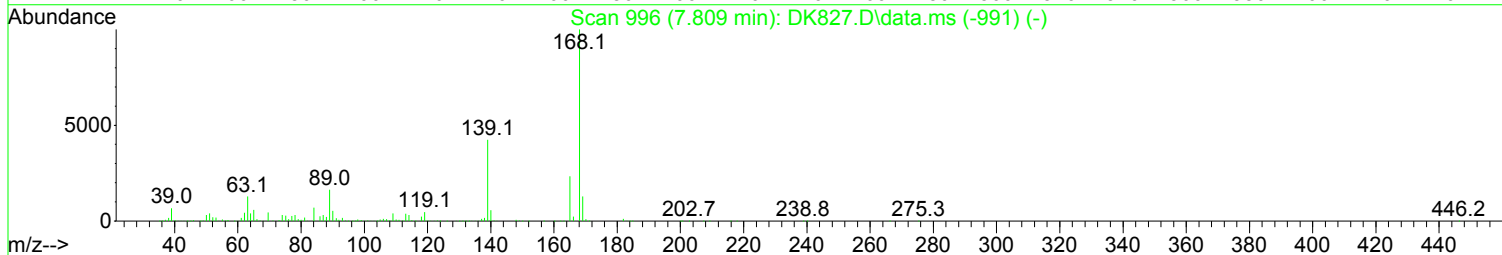
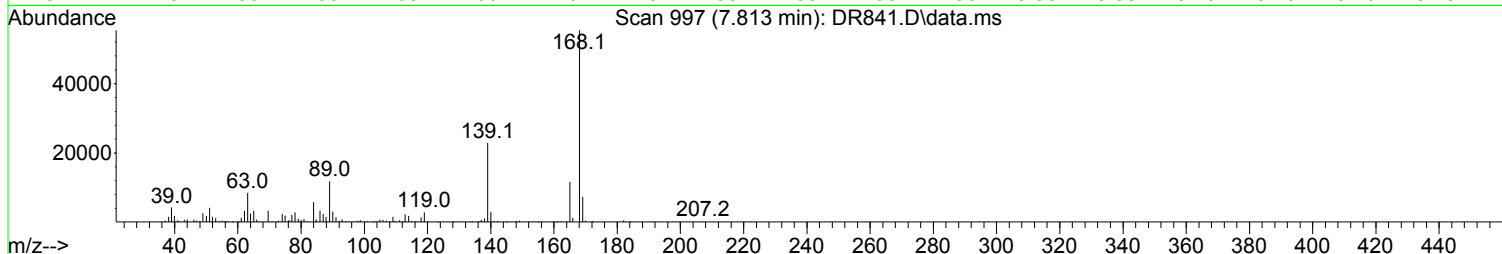
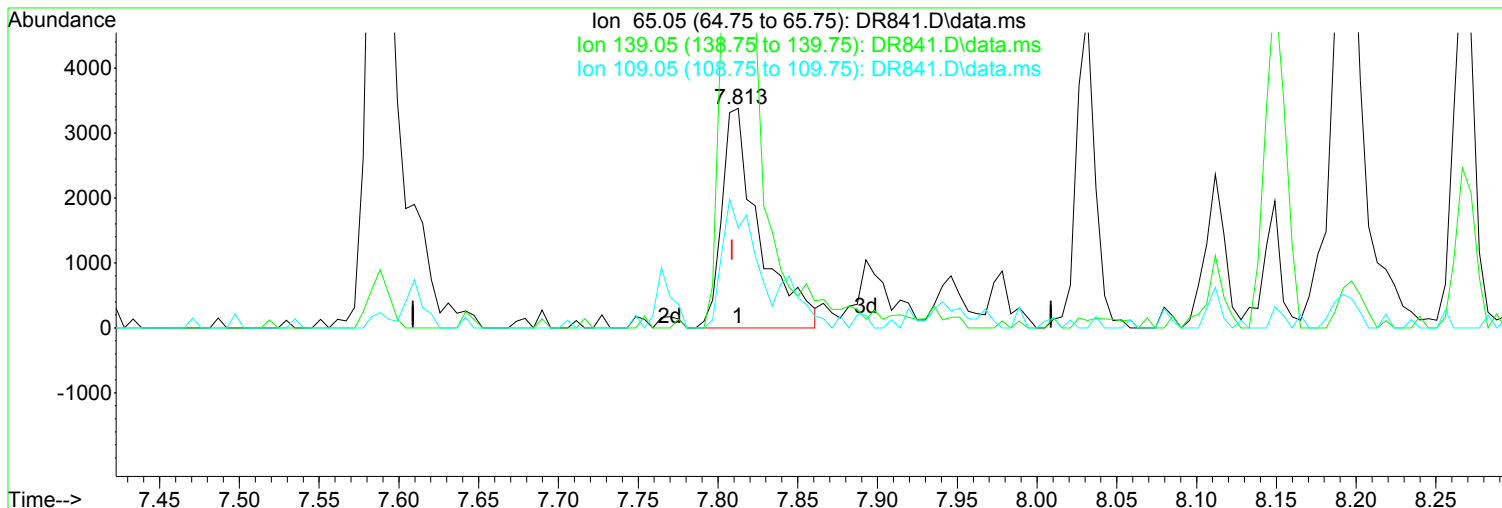
response 135

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	47.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 4.17 ppm m

After

response 5503

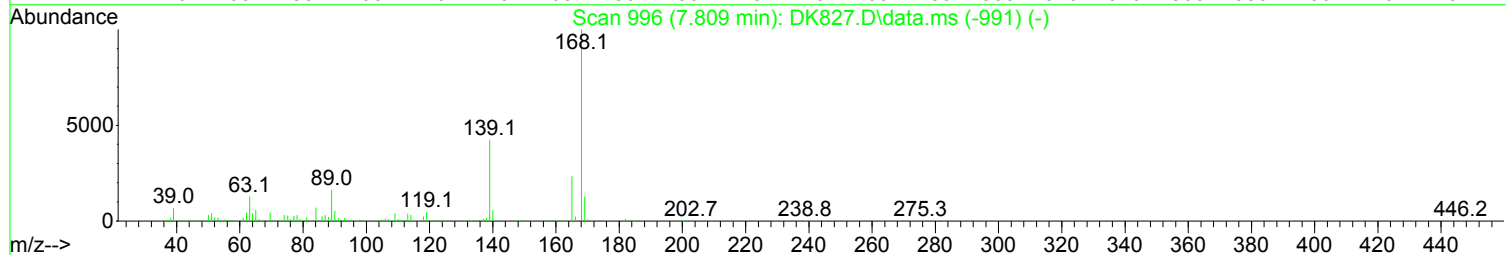
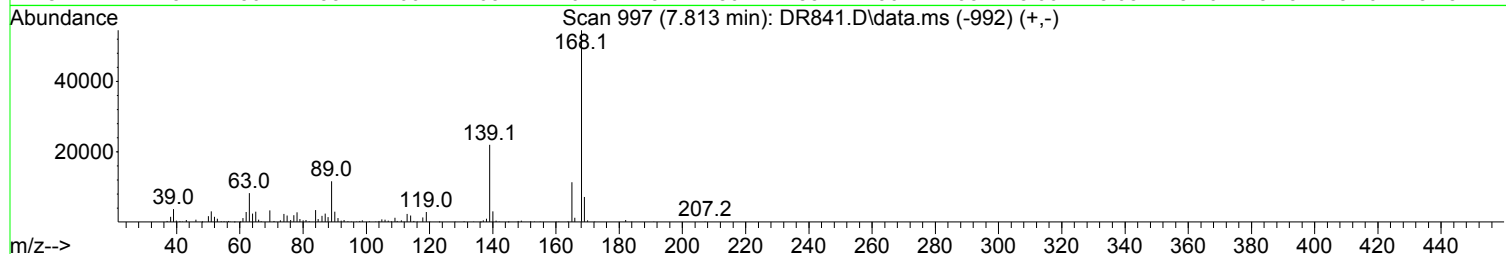
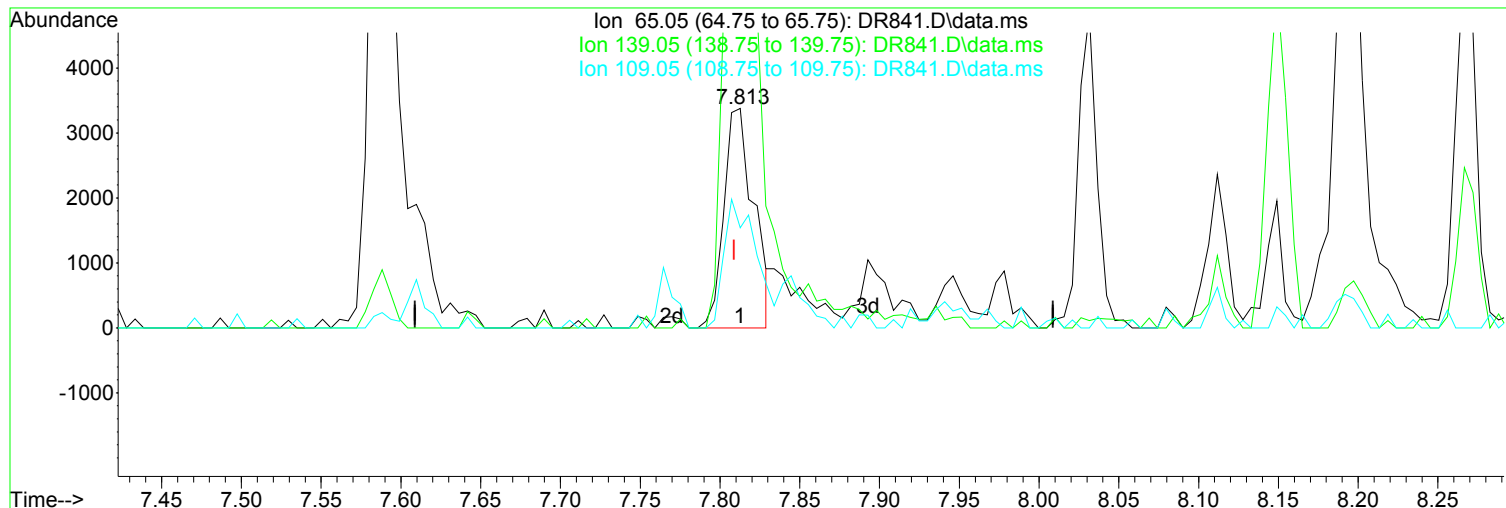
Poor integration.

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	677.25#
109.05	68.90	45.65
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 3.31 ppm

Before

response 4368

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	750.52#
109.05	68.90	54.48
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	107680	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	402250	40.00	ppm	0.00
57) d10-Acenaphthene	7.610	164	202008	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	315533	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296135	40.00	ppm	0.00
135) d12-Perylene	15.290	264	302163	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	19693	5.03	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	5.03%#
12) SURR2,PHENOL-D6	4.426	99	23783	4.94	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	4.94%#
34) SURR4,NITROBENZENE-D5	5.233	82	20943	5.13	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	10.26%#
63) SURR5,2-FLUOROBIPHENYL	6.942	172	40231	5.24	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	10.48%#
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	3916	4.73	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	4.73%#
124) SURR6,TERPHENYL-D14	10.766	244	34360	4.93	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	9.86%#

Target Compounds						Qvalue
2) Pyridine	2.637	79	21419	5.182	ppm	94
3) N-Nitrosodimethylamine	2.600	74	10813	4.301	ppm	87
4) 2-Picoline	3.209	93	21435	5.012	ppm	95
5) N-Nitrosomethylamine	3.283	42	8303	4.776	ppm	# 73
6) Methyl Methansulfonate	3.524	80	9939	5.102	ppm	86
8) N-Nitrosodiethylamine	3.833	102	8958	4.691	ppm	90
9) Ethyl Mathanesulfonate	4.074	79	15868	4.820	ppm	87
10) Benzaldehyde	4.362	106	28046	10.182	ppm	100
11) Aniline	4.453	93	30721	5.003	ppm	98
13) Phenol	4.437	94	26166	4.972	ppm	94
14) bis(2-Clethyl)Ether	4.496	93	17614	4.837	ppm	91
15) Pentachloroethane	4.490	117	7298	4.978	ppm	95
16) 2-Chlorophenol	4.560	128	19686	4.762	ppm	94
17) 1,3-Diclbzene	4.683	146	22167	5.153	ppm	97
18) 1,4-Dichlorobenzene	4.747	146	22452	5.100	ppm	96
19) 1,2-Diclbzene	4.880	146	21300	5.064	ppm	96
20) Benzyl Alcohol	4.859	79	12859	4.593	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.880	99	12499	4.885	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.960	45	19339	5.527	ppm	# 63
23) 2-Methylphenol	4.960	108	18359	4.950	ppm	94
24) 3+4-Methylphenol	5.105	108	20094	4.788	ppm	99
25) Acetophenone	5.089	105	27640	5.303	ppm	98
26) N-Nitroso-Di-n-propyla...	5.078	70	13705	4.875	ppm	97
27) N-Nitrosopyrrolidine	5.083	100	10242	5.010	ppm	94
28) N-Nitrosomorpholine	5.110	56	10432	5.184	ppm	94
29) o-Toluidine	5.121	106	31153	5.382	ppm	81
30) Hexachloroethane	5.179	117	8685	5.125	ppm	86
31) o,o-Triethylphosphor...	5.623	198	8641	4.896	ppm	88
32) Alpha-terpinol	5.922	121	7343	5.340	ppm	93
35) Nitrobenzene	5.254	77	21051	5.135	ppm	99
36) N-Nitrosopiperidine	5.393	42	11074	4.969	ppm	95
37) Isophorone	5.463	82	35984	5.266	ppm	99
38) 2-Nitrophenol	5.548	139	10209	4.813	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR841.D
 Acq On : 30 Apr 2019 10:38 am
 Operator : JMisiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	19020	4.979	ppm	93
40) bis(-2-Chloroethoxy)Me...	5.660	93	21942	5.461	ppm	95
42) 2,4-Dichlorophenol	5.788	162	14343	4.740	ppm	96
43) a,a-Dimethylphenethyla...	5.783	58	37152m	4.870	ppm	
44) 1,2,4-Trichlorobenzene	5.842	180	16483	5.167	ppm	96
45) Naphthalene	5.922	128	57722	5.206	ppm	99
46) 4-Chloroaniline	5.981	127	23188	4.998	ppm	96
47) 2,6-Dichlorophenol	5.986	162	16286	5.147	ppm	90
48) Hexachlorobutadiene	6.023	225	8202	5.074	ppm	98
49) Hexachloropropene	5.997	213	9986	4.944	ppm	95
50) 4-Chloro-3-methylphenol	6.467	107	14966m	4.961	ppm	
51) N-N-di-n-butylamine	6.285	84	11913	4.971	ppm	97
52) Caprolactam	6.306	113	6449	5.377	ppm	77
53) p-Phenylenediamine	6.328	80	4067	5.135	ppm	# 72
54) Safrole	6.499	162	14151	4.973	ppm	95
55) 2-Methylnaphthalene	6.589	142	37260	5.193	ppm	97
56) 1-Methylnaphthalene	6.686	142	34539	5.145	ppm	98
58) Hexachlorocyclopentadiene	6.728	237	3707	3.975	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.750	216	15624	5.255	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.027	216	16165	5.163	ppm	95
61) 2,4,6-Trichlorophenol	6.873	196	8903	4.728	ppm	90
62) 2,4,5-Trichlorophenol	6.931	196	10089	4.981	ppm	95
64) Isosafrole	7.006	104	6348	4.886	ppm	89
65) 1,1'-Biphenyl	7.043	154	45697	5.106	ppm	100
66) 2-Chloronaphthalene	7.065	162	32594	5.039	ppm	98
67) 2-Nitroaniline	7.177	65	9331	5.047	ppm	85
68) 1,4-Naphthoquinone	7.252	158	9895	4.873	ppm	80
69) m-Dinitrobenzene	7.396	168	6328	4.980	ppm	81
70) Acenaphthylene	7.476	152	51818	5.002	ppm	98
71) Dimethyl phthalate	7.343	163	39205	5.184	ppm	99
72) 2,6-Dinitrotoluene	7.412	165	8454	4.924	ppm	93
73) Acenaphthene	7.642	153	36331	5.041	ppm	96
74) 3-Nitroaniline	7.588	138	9816	4.974	ppm	94
75) 2,4-Dinitrophenol	7.711	184	1119	4.551	ppm	67
76) Dibenzofuran	7.813	168	45697	5.135	ppm	96
77) 2,4-Dinitrotoluene	7.813	165	10774	4.752	ppm	81
78) 4-Nitrophenol	7.813	65	5503m	4.172	ppm	
79) Pentachlorobenzene	7.770	250	11556	4.850	ppm	96
80) 1-Naphthylamine	7.898	143	24762	5.284	ppm	99
81) 2-Naphthylamine	7.978	143	31751	5.317	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.946	232	5430	3.923	ppm	91
83) Fluorene	8.149	166	38134	5.212	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	15152	5.133	ppm	99
85) Diethylphthalate	8.032	149	38614	5.156	ppm	97
86) 4-Nitroaniline	8.197	138	9286	4.770	ppm	98
87) 5-Nitro-o-toluidine	8.181	152	11237	5.085	ppm	93
89) Sulfotepp	8.416	322	4652	4.977	ppm	71
90) Octachlorocyclopentene	8.389	307	5160	5.423	ppm	84
92) Thionazin	8.112	107	6632	5.357	ppm	88
93) 4,6-Dinitro-2-methylph...	8.219	198	3447	2.834	ppm	# 57
94) Diphenylamine	8.267	169	58971	10.576	ppm	100
95) 1,2 Diphenylhydrazine	8.304	77	39152	5.564	ppm	96
96) N-Nitrosodiphenylamine	8.267	169	58971	10.576	ppm	100
97) 1,3,5-Trinirobenzene	8.582	74	4601	4.572	ppm	88
98) Diallate	8.539	86	16096	5.660	ppm	98
99) Phorate	8.555	121	8683	5.950	ppm	# 75

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

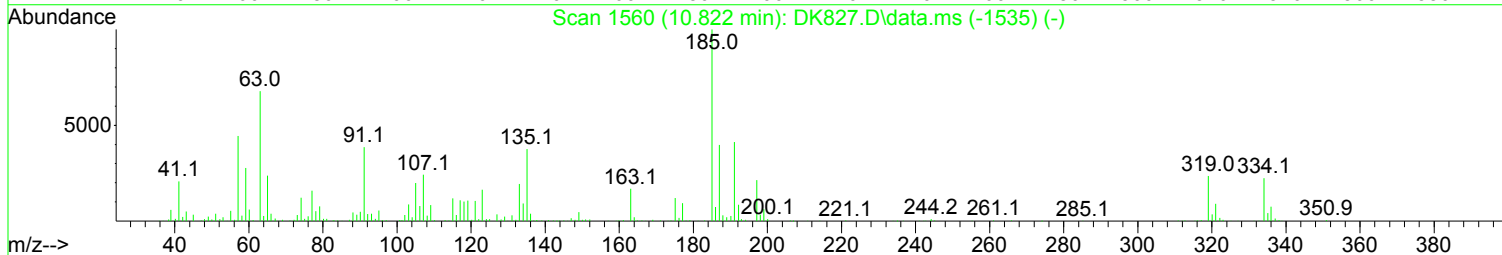
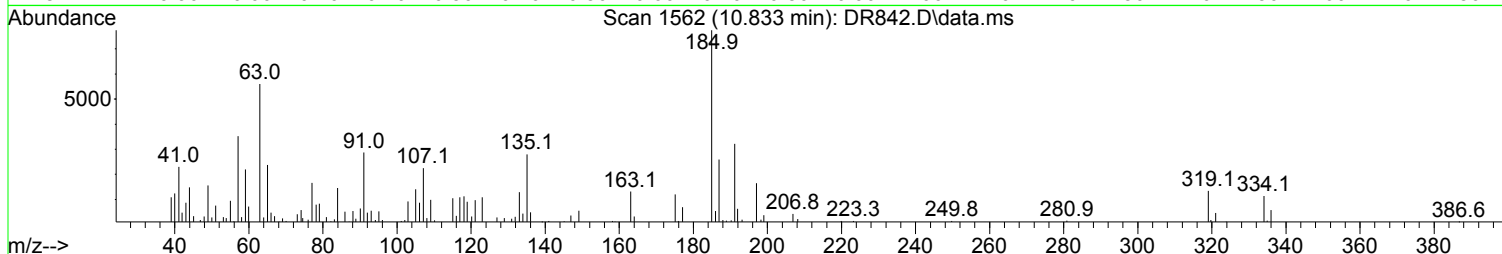
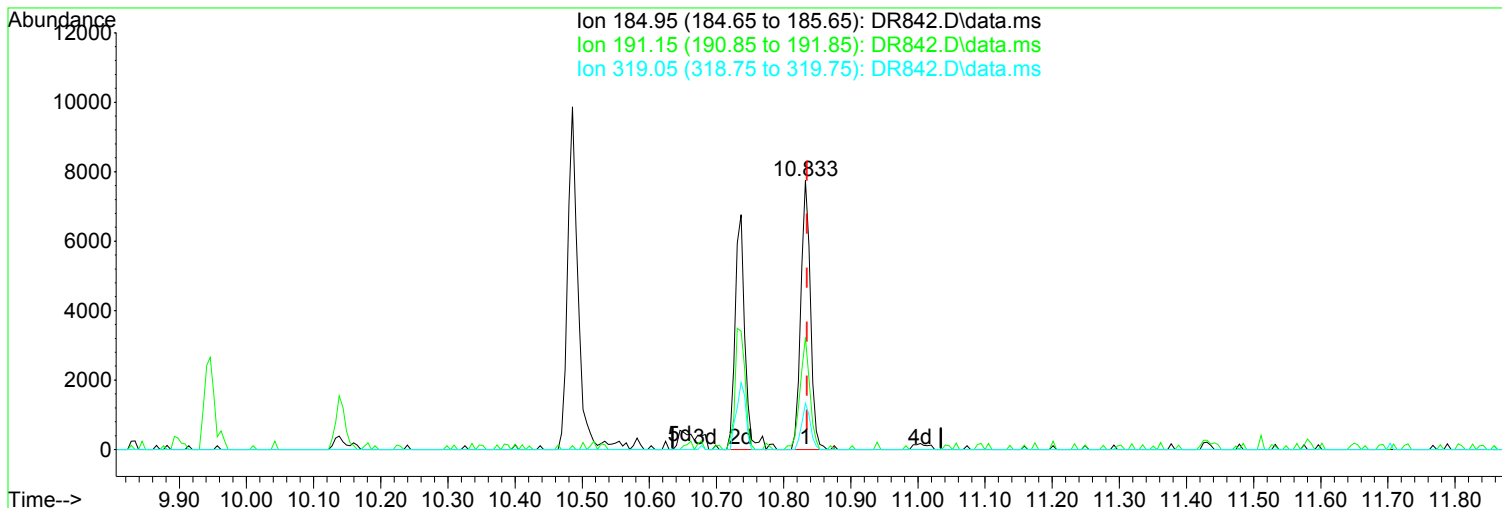
Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.582	108	18443	5.016	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	8848	5.363	ppm	87
102) Hexachlorobenzene	8.689	284	9436	5.086	ppm	93
103) Dimethoate	8.731	87	13122	5.443	ppm	97
104) Atrazine	8.795	215	4511	5.000	ppm	90
105) Pentachlorophenol	8.902	266	1252	5.256	ppm	# 69
106) 4-Aminobiphenyl	8.897	169	28747	5.074	ppm	93
107) Pentachloronitrobenzene	8.897	237	3129	4.565	ppm	78
108) Pronamide	8.945	173	14975	4.642	ppm	95
109) Dinoseb	9.068	211	4810	3.005	ppm	92
110) Disulfoton	9.068	88	20588	5.629	ppm	90
111) Phenanthrene	9.105	178	49785	4.989	ppm	100
112) Anthracene	9.159	178	50145	5.058	ppm	95
113) Carbazole	9.329	167	48414	4.971	ppm	96
114) Di-n-butylphthalate	9.645	149	61218	4.863	ppm	99
115) 4-Nitroquinoline-1-oxide	9.896	190	1352	2.291	ppm	73
116) Fluoranthene	10.318	202	47060	4.607	ppm	98
118) Methyl Parathion	9.452	109	12089	5.149	ppm	90
119) Ethyl Parathion	9.832	97	8007	4.565	ppm	96
120) Methapyrilene	9.944	58	13271	5.201	ppm	96
121) Isodrin	10.141	193	5146	4.753	ppm	96
122) Benzidine	10.483	184	32654	4.699	ppm	98
123) Pyrene	10.585	202	52540	4.832	ppm	97
125) Aramite	10.830	185	7296m	4.896	ppm	
126) p-(Dimethylamino)azobe...	10.948	120	14597	4.518	ppm	99
127) Chlorobenzilate	11.001	139	18537	4.912	ppm	90
128) Butyl benzyl phthalate	11.439	149	30096	4.989	ppm	95
129) 3,3-Dimethylbenzidine	11.434	212	31410	4.749	ppm	99
130) 2-Acetylaminofluorene	11.824	181	23444	4.866	ppm	94
131) 3,3'-Dichlorobenzidine	12.310	252	18580	4.717	ppm	95
132) Benzo(a)anthracene	12.326	228	49492	4.922	ppm	98
133) Chrysene	12.395	228	45808	4.952	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.401	149	39931	4.810	ppm	98
136) Di-n-octyl phthalate	13.720	149	67150	4.683	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.436	256	23404	5.124	ppm	93
138) Benzo(b)Fluoranthene	14.452	252	49069	4.880	ppm	98
139) Benzo(k)fluoranthene	14.505	252	46635	4.897	ppm	97
140) Benzo(a)pyrene	15.157	252	42505	4.915	ppm	98
141) 3-Methylcholanthrene	15.936	268	24191	4.776	ppm	96
142) Indeno(1,2,3-cd)Pyrene	17.245	276	42682	5.033	ppm	93
143) Dibenz(a,h)anthracene	17.288	278	45300	5.098	ppm	99
144) Benzo(g,h,i)perylene	17.710	276	37157	5.084	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 9.67 ppm m

After

response 14625

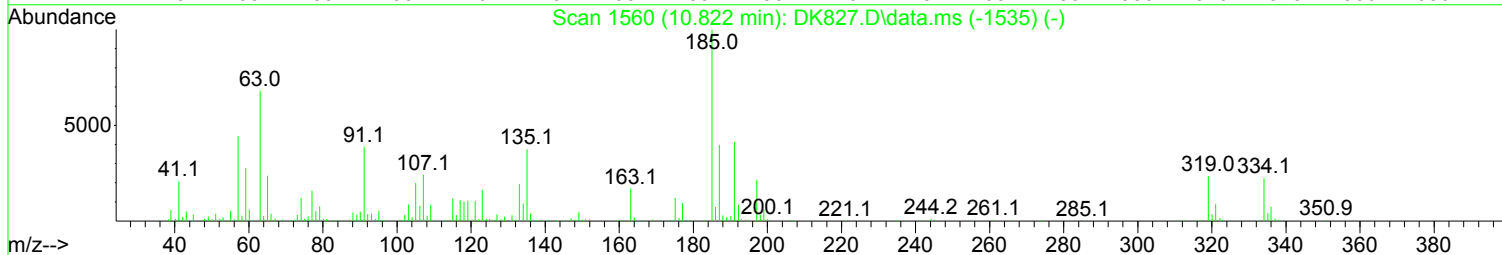
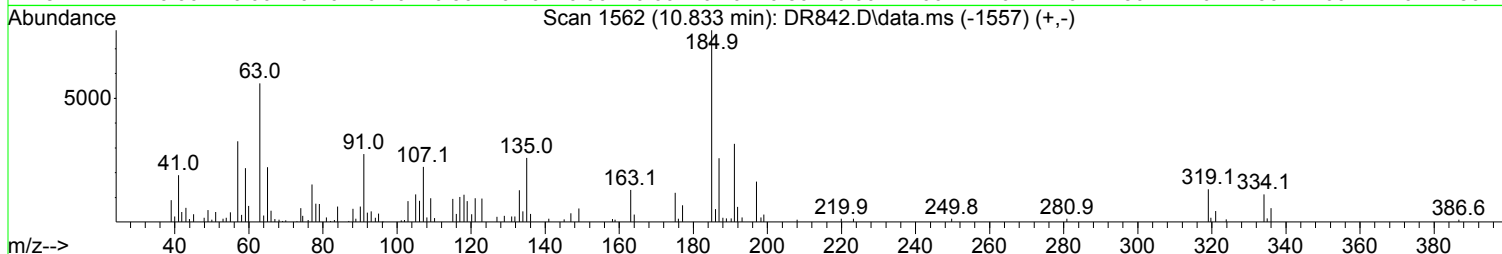
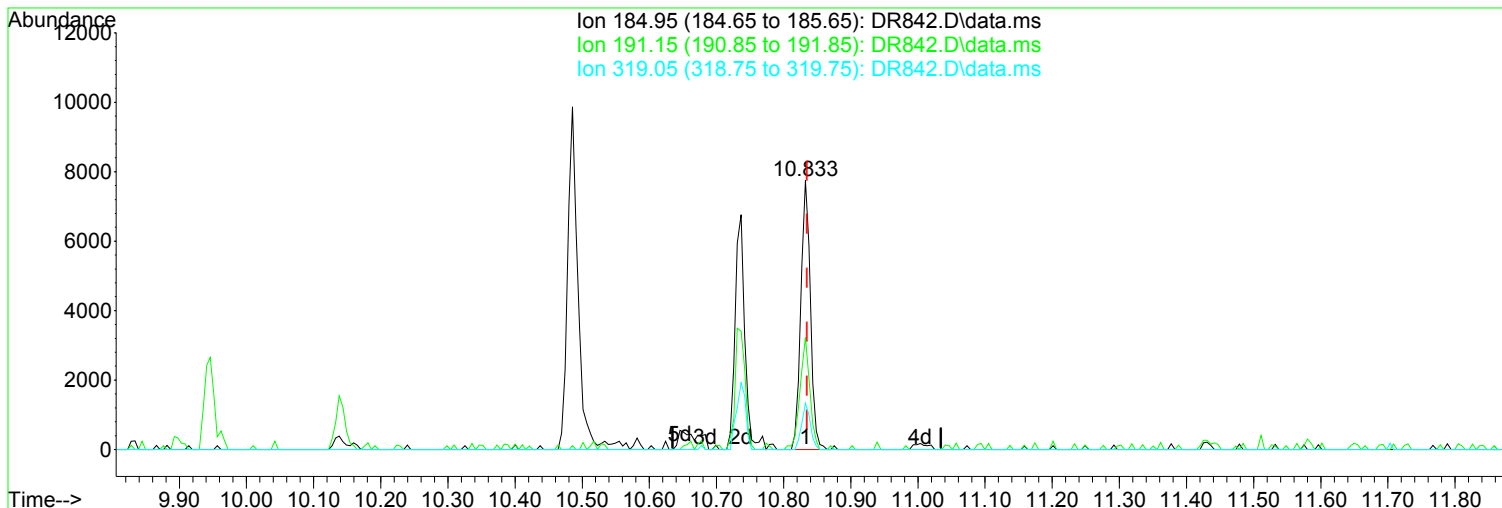
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.59
319.05	16.80	17.26
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 5.09 ppm

Before

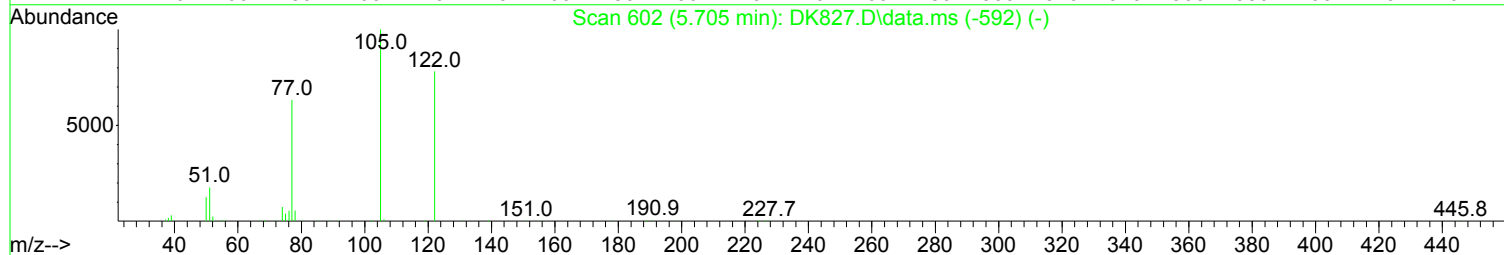
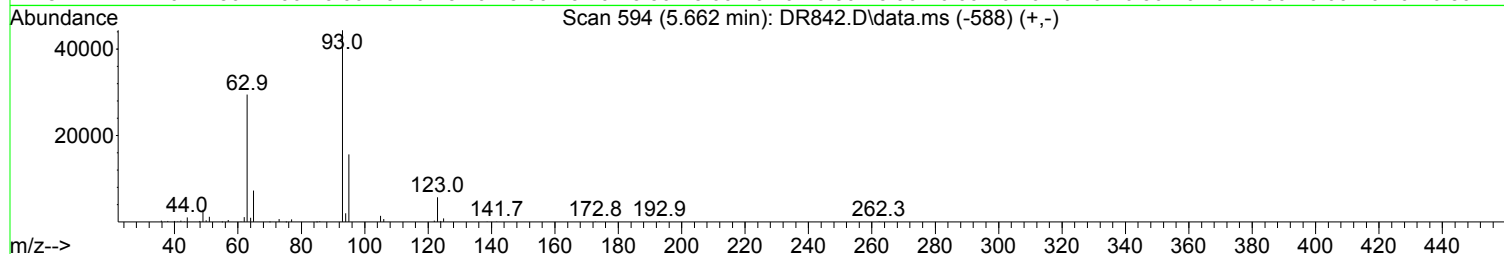
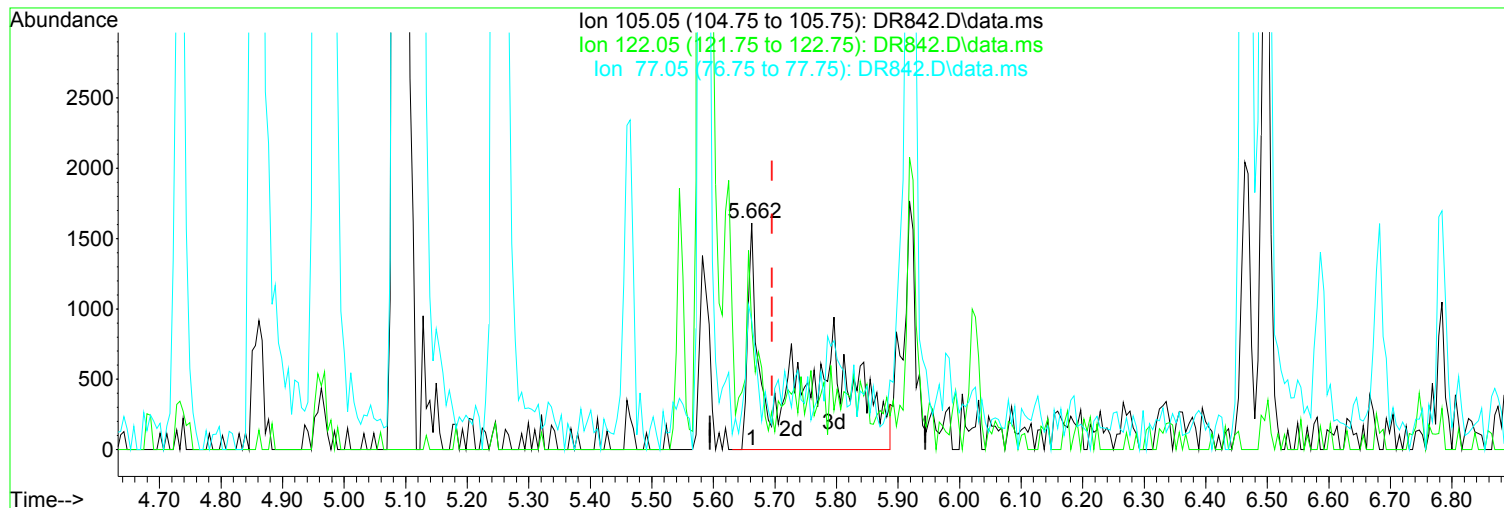
response 7700

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.20
319.05	16.80	19.66
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM)

5.662min (-0.033) 20.14 ppm m

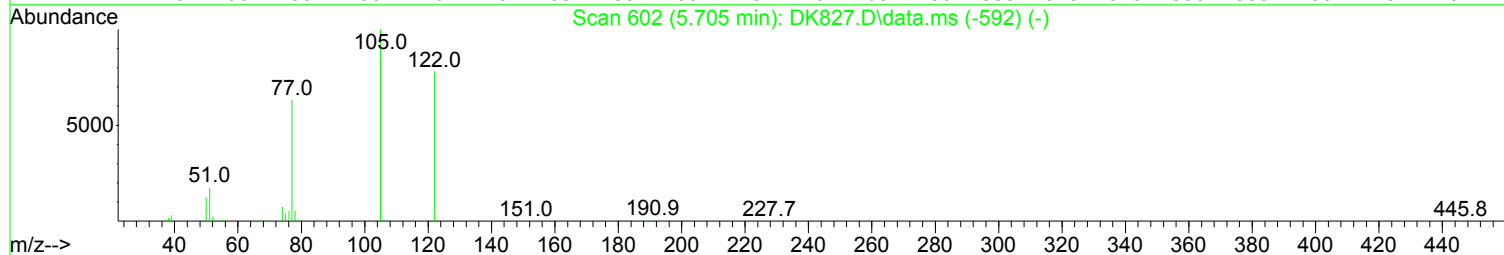
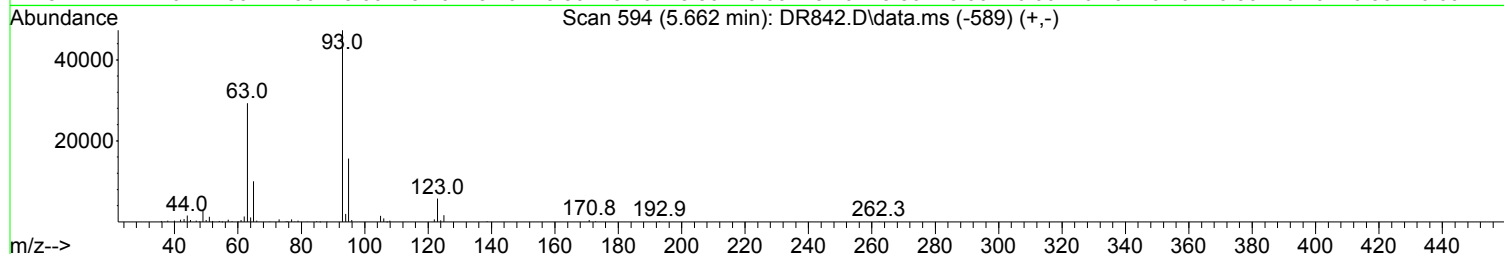
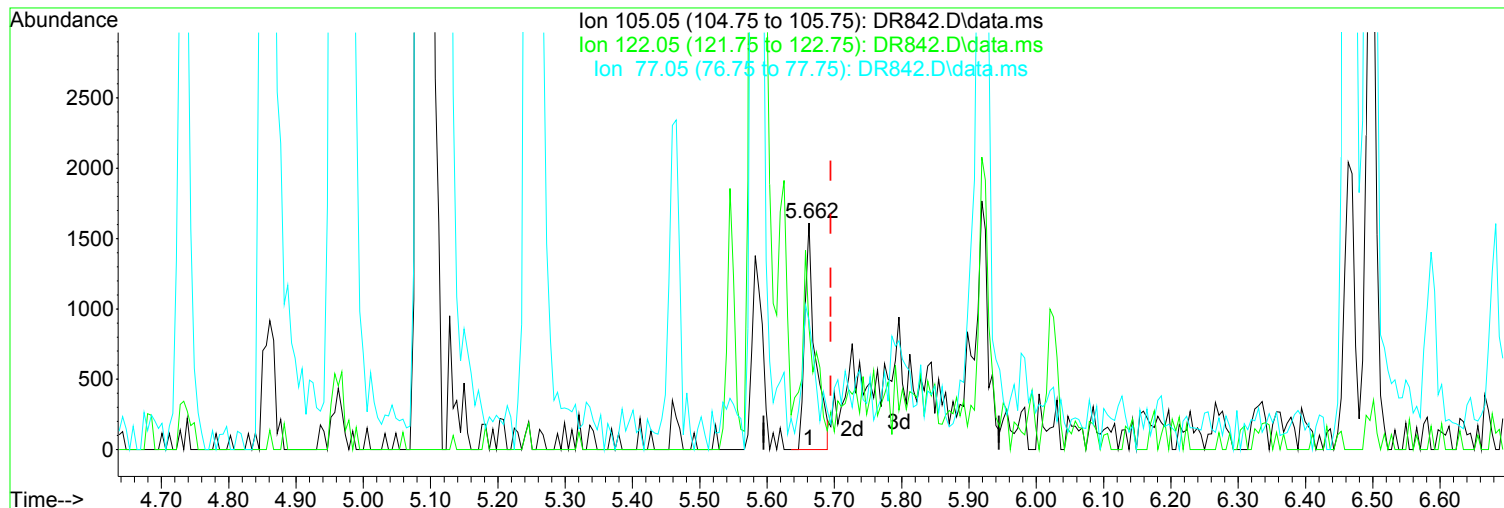
response 6983

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	53.88
77.05	69.40	56.73
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.662min (-0.033) 17.74 ppm

Before

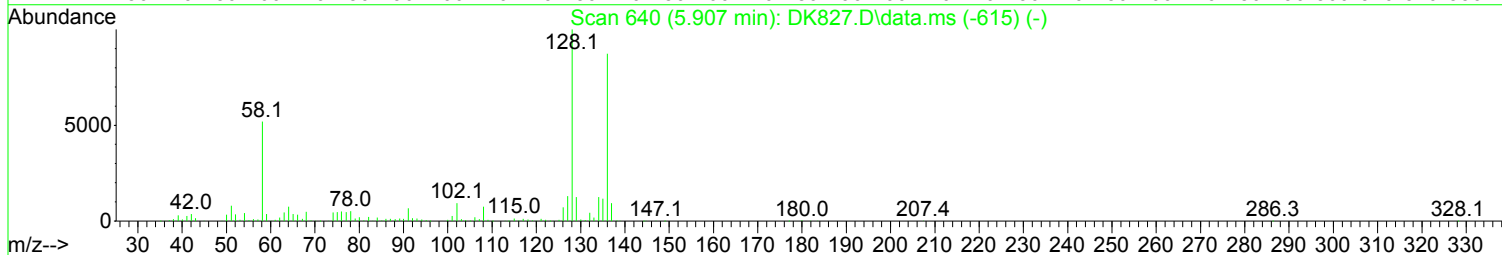
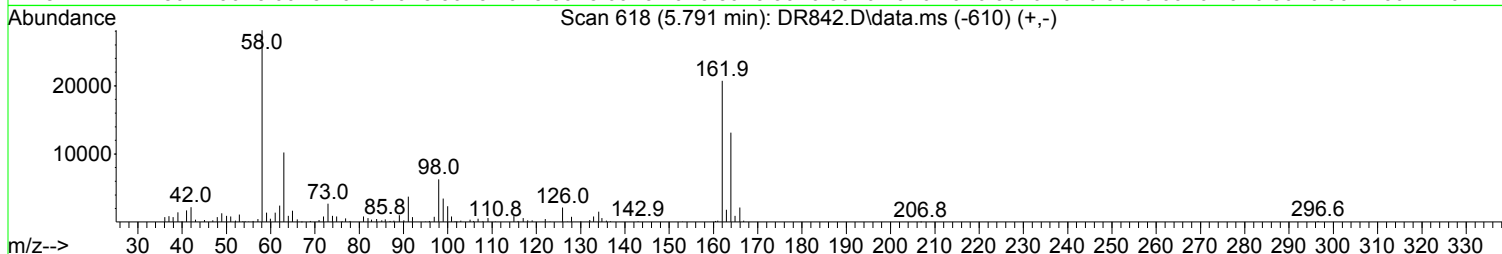
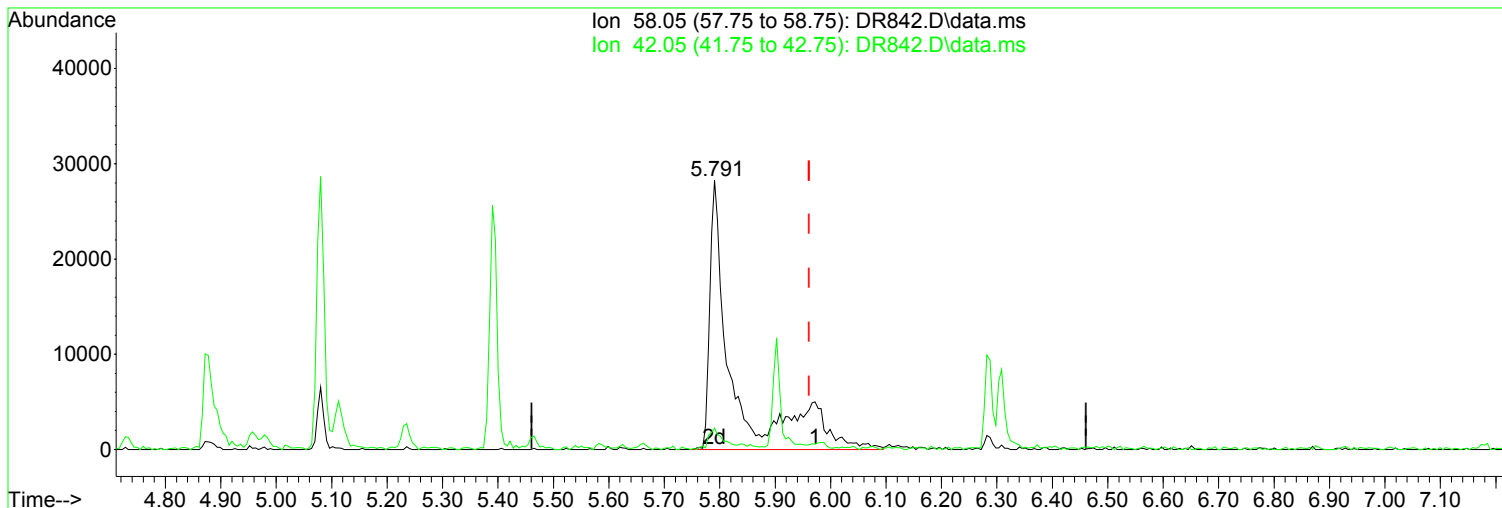
response 1737

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	44.97#
77.05	69.40	44.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.791min (-0.171) 10.61 ppm m

After

response 82857

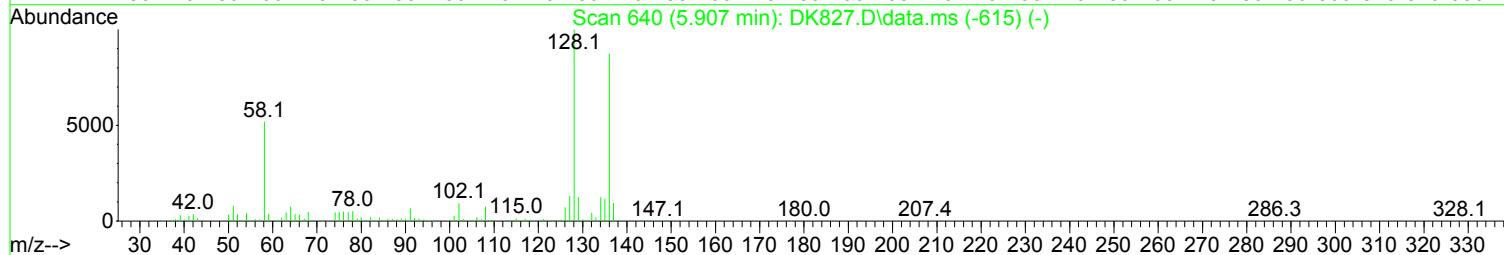
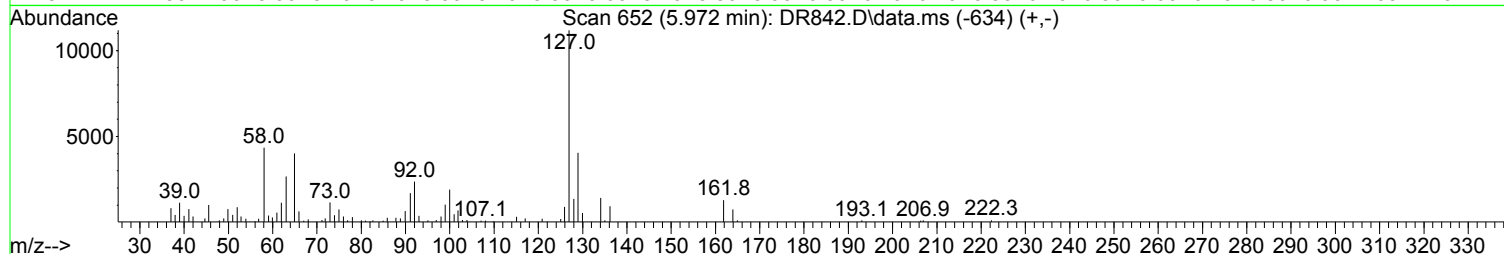
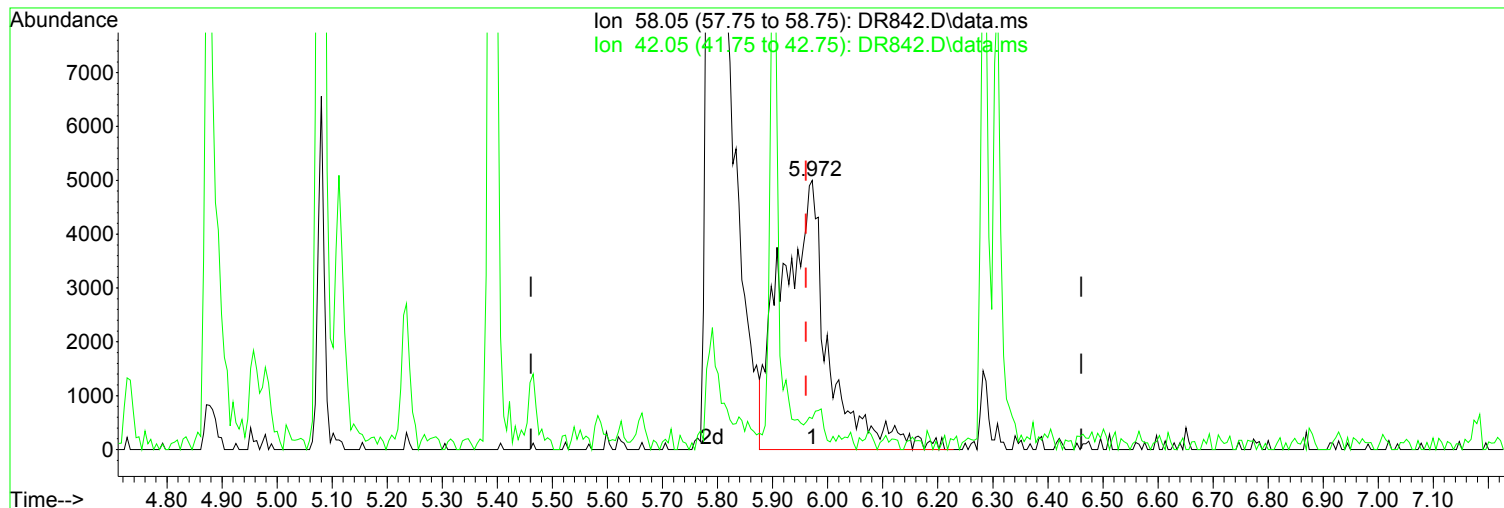
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.02
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.972min (+ 0.011) 3.73 ppm

Before

response 29122

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.77
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.733	152	108752	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	411748	40.00	ppm	0.00
57) d10-Acenaphthene	7.612	164	204303	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	308447	40.00	ppm	0.00
117) d12-Chrysene	12.349	240	300507	40.00	ppm	0.00
135) d12-Perylene	15.292	264	293083	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.659	112	41166	10.41	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	10.41%
12) SURR2,PHENOL-D6	4.423	99	48812	10.04	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	10.04%
34) SURR4,NITROBENZENE-D5	5.235	82	42600	10.20	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	20.40%#
63) SURR5,2-FLUOROBIPHENYL	6.944	172	79062	10.18	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	20.36%#
88) SURR3,2,4,6-TRIBROMOPH...	8.397	330	8231	9.84	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	9.84%#
124) SURR6,TERPHENYL-D14	10.768	244	71122	10.05	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	20.10%

Target Compounds						Qvalue
2) Pyridine	2.629	79	44030	10.548	ppm	98
3) N-Nitrosodimethylamine	2.591	74	23457	9.239	ppm	94
4) 2-Picoline	3.200	93	43873	10.157	ppm	98
5) N-Nitrosomethylamine	3.286	42	16294	9.280	ppm	92
6) Methyl Methansulfonate	3.521	80	19220	9.768	ppm	97
8) N-Nitrosodiethylamine	3.830	102	19366	10.040	ppm	94
9) Ethyl Mathanesulfonate	4.076	79	32092	9.652	ppm	93
10) Benzaldehyde	4.364	106	56570	20.335	ppm	97
11) Aniline	4.450	93	62763	10.119	ppm	94
13) Phenol	4.434	94	54135	10.186	ppm	96
14) bis(2-Clethyl)Ether	4.493	93	37541	10.208	ppm	96
15) Pentachloroethane	4.487	117	14226	9.608	ppm	91
16) 2-Chlorophenol	4.562	128	41576	9.959	ppm	96
17) 1,3-Diclbzene	4.680	146	43986	10.124	ppm	93
18) 1,4-Dichlorobenzene	4.749	146	45459	10.224	ppm	97
19) 1,2-Diclbzene	4.883	146	42622	10.033	ppm	98
20) Benzyl Alcohol	4.856	79	27700	9.797	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.872	99	25205	9.753	ppm	99
22) 2,2'-oxybis(1-Chloropr...	4.957	45	36079	10.210	ppm	# 51
23) 2-Methylphenol	4.963	108	37465	10.001	ppm	91
24) 3+4-Methylphenol	5.102	108	43458	10.253	ppm	98
25) Acetophenone	5.091	105	53078	10.082	ppm	95
26) N-Nitroso-Di-n-propyla...	5.080	70	29395	10.353	ppm	96
27) N-Nitrosopyrrolidine	5.080	100	21762	10.540	ppm	72
28) N-Nitrosomorpholine	5.112	56	20186	9.933	ppm	93
29) o-Toluidine	5.123	106	59468	10.172	ppm	89
30) Hexachloroethane	5.182	117	17415	10.176	ppm	95
31) o,o,o-Triethylphosphor...	5.625	198	18523	10.392	ppm	94
32) Alpha-terpinol	5.924	121	13946	10.041	ppm	93
35) Nitrobenzene	5.251	77	43515	10.370	ppm	95
36) N-Nitrosopiperidine	5.390	42	24405	10.699	ppm	97
37) Isophorone	5.465	82	72562	10.373	ppm	99
38) 2-Nitrophenol	5.545	139	21777	10.029	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.582	107	39387	10.073	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.662	93	41467	10.082	ppm	100
41) Benzoic Acid	5.662	105	6983m	20.138	ppm	
42) 2,4-Dichlorophenol	5.785	162	30160	9.738	ppm	99
43) a,a-Dimethylphenethyla...	5.791	58	82857m	10.610	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	33539	10.271	ppm	92
45) Naphthalene	5.924	128	115846	10.208	ppm	98
46) 4-Chloroaniline	5.983	127	47495	10.002	ppm	98
47) 2,6-Dichlorophenol	5.988	162	32488	10.031	ppm	95
48) Hexachlorobutadiene	6.026	225	17847	10.786	ppm	91
49) Hexachloropropene	5.999	213	20643	9.985	ppm	95
50) 4-Chloro-3-methylphenol	6.464	107	31974	10.353	ppm	# 67
51) N-N-di-n-butylamine	6.287	84	25241	10.289	ppm	93
52) Caprolactam	6.309	113	12546	10.220	ppm	78
53) p-Phenylenediamine	6.330	80	9142	11.276	ppm	80
54) Safrole	6.496	162	29085	9.985	ppm	89
55) 2-Methylnaphthalene	6.586	142	74440	10.135	ppm	100
56) 1-Methylnaphthalene	6.683	142	67772	9.863	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	9908	8.516	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.747	216	30304	10.078	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	31590	9.977	ppm	97
61) 2,4,6-Trichlorophenol	6.875	196	19659	10.322	ppm	86
62) 2,4,5-Trichlorophenol	6.928	196	20320	9.920	ppm	96
64) Isosafrole	7.008	104	12972	9.873	ppm	94
65) 1,1'-Biphenyl	7.040	154	91819	10.145	ppm	98
66) 2-Chloronaphthalene	7.067	162	67329	10.293	ppm	98
67) 2-Nitroaniline	7.179	65	20116	10.758	ppm	93
68) 1,4-Naphthoquinone	7.254	158	22123	10.773	ppm	92
69) m-Dinitrobenzene	7.393	168	11971	9.314	ppm	80
70) Acenaphthylene	7.473	152	105967	10.114	ppm	97
71) Dimethyl phthalate	7.339	163	79841	10.439	ppm	100
72) 2,6-Dinitrotoluene	7.414	165	18504	10.657	ppm	98
73) Acenaphthene	7.644	153	74342	10.200	ppm	98
74) 3-Nitroaniline	7.590	138	20652	10.347	ppm	92
75) 2,4-Dinitrophenol	7.703	184	2997	8.642	ppm	98
76) Dibenzofuran	7.815	168	92309	10.256	ppm	95
77) 2,4-Dinitrotoluene	7.815	165	22573	9.844	ppm	92
78) 4-Nitrophenol	7.804	65	11725	8.789	ppm	# 33
79) Pentachlorobenzene	7.772	250	25042	10.392	ppm	97
80) 1-Naphthylamine	7.900	143	50362	10.625	ppm	99
81) 2-Naphthylamine	7.980	143	62760	10.391	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.948	232	13274	9.483	ppm	88
83) Fluorene	8.151	166	77902	10.527	ppm	100
84) 4-Chlorophenyl-phenyle...	8.146	204	31336	10.496	ppm	98
85) Diethylphthalate	8.034	149	75917	10.023	ppm	98
86) 4-Nitroaniline	8.194	138	20791	10.560	ppm	99
87) 5-Nitro-o-toluidine	8.178	152	22033	9.858	ppm	100
89) Sulfotepp	8.413	322	9493	10.042	ppm	88
90) Octachlorocyclopentene	8.392	307	9687	10.066	ppm	94
92) Thionazin	8.114	107	12913	10.671	ppm	98
93) 4,6-Dinitro-2-methylph...	8.215	198	8683	7.303	ppm	# 73
94) Diphenylamine	8.269	169	120211	22.055	ppm	98
95) 1,2 Diphenylhydrazine	8.306	77	78490	11.410	ppm	96
96) N-Nitrosodiphenylamine	8.269	169	120211	22.055	ppm	98
97) 1,3,5-Trinitrobenzene	8.579	74	9866	10.029	ppm	# 57
98) Diallate	8.541	86	31029	11.161	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

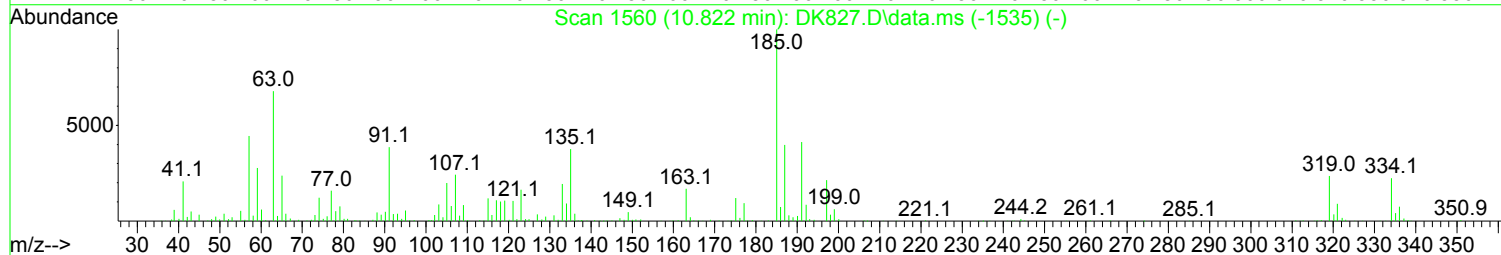
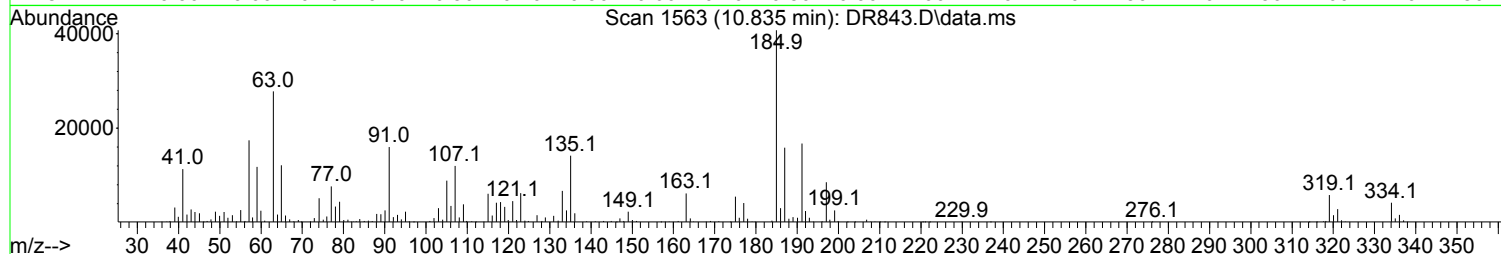
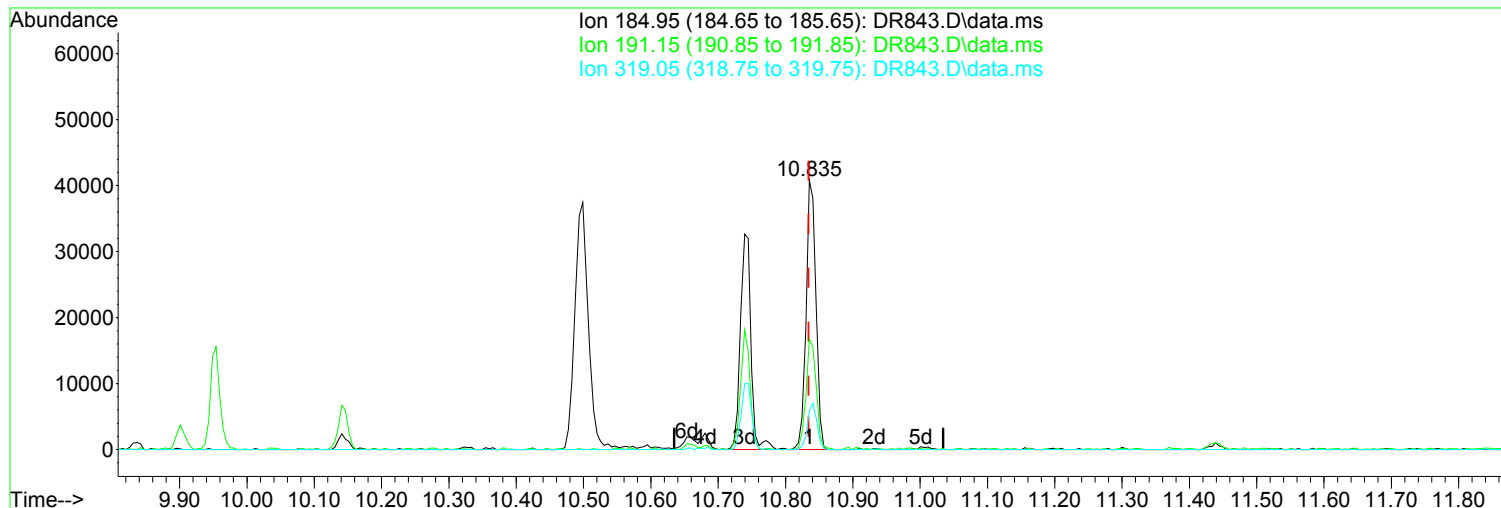
Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.552	121	15891	11.139	ppm	85
100) Phenacetin	8.584	108	39710	11.048	ppm	98
101) 4-Bromophenyl-phenylether	8.632	248	17263	10.704	ppm	94
102) Hexachlorobenzene	8.691	284	19691	10.857	ppm	99
103) Dimethoate	8.733	87	28226	11.977	ppm	95
104) Atrazine	8.798	215	10337	11.721	ppm	98
105) Pentachlorophenol	8.904	266	3320	8.836	ppm	85
106) 4-Aminobiphenyl	8.899	169	56778	10.252	ppm	99
107) Pentachloronitrobenzene	8.899	237	7006	10.456	ppm	94
108) Pronamide	8.947	173	32692	10.366	ppm	99
109) Dinoseb	9.070	211	11869	7.584	ppm	90
110) Disulfoton	9.070	88	36947	10.334	ppm	93
111) Phenanthrene	9.107	178	98674	10.116	ppm	98
112) Anthracene	9.155	178	97297	10.039	ppm	99
113) Carbazole	9.326	167	99103	10.409	ppm	99
114) Di-n-butylphthalate	9.647	149	130166	10.578	ppm	98
115) 4-Nitroquinonline-1-oxide	9.893	190	3557	6.165	ppm	69
116) Fluoranthene	10.320	202	106157	10.630	ppm	99
118) Methyl Parathion	9.449	109	25486	10.698	ppm	93
119) Ethyl Parathion	9.828	97	18743	10.530	ppm	87
120) Methapyrilene	9.941	58	28569	11.033	ppm	91
121) Isodrin	10.138	193	10566	9.617	ppm	90
122) Benzidine	10.485	184	69294	9.827	ppm	96
123) Pyrene	10.587	202	109943	9.963	ppm	98
125) Aramite	10.833	185	14625m	9.671	ppm	
126) p-(Dimethylamino)azobe...	10.950	120	32582	9.939	ppm	95
127) Chlorobenzilate	11.003	139	39531	10.322	ppm	96
128) Butyl benzyl phthalate	11.441	149	62353	10.186	ppm	97
129) 3,3-Dimethylbenzidine	11.431	212	67509	10.058	ppm	99
130) 2-Acetylaminofluorene	11.826	181	47661	9.749	ppm	94
131) 3,3'-Dichlorobenzidine	12.307	252	38889	9.729	ppm	97
132) Benzo(a)anthracene	12.328	228	102863	10.081	ppm	98
133) Chrysene	12.397	228	94573	10.075	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.397	149	83139	9.868	ppm	96
136) Di-n-octyl phthalate	13.722	149	144182	10.366	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.438	256	45485	10.266	ppm	97
138) Benzo(b)Fluoranthene	14.454	252	98633	10.113	ppm	98
139) Benzo(k)fluoranthene	14.513	252	97129	10.515	ppm	98
140) Benzo(a)pyrene	15.159	252	84420	10.065	ppm	98
141) 3-Methylcholanthrene	15.933	268	49489	10.074	ppm	94
142) Indeno(1,2,3-cd)Pyrene	17.242	276	86952	10.571	ppm	96
143) Dibenz(a,h)anthracene	17.295	278	89621	10.399	ppm	99
144) Benzo(g,h,i)perylene	17.701	276	76544	10.797	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 53.18 ppm m

After

response 77165

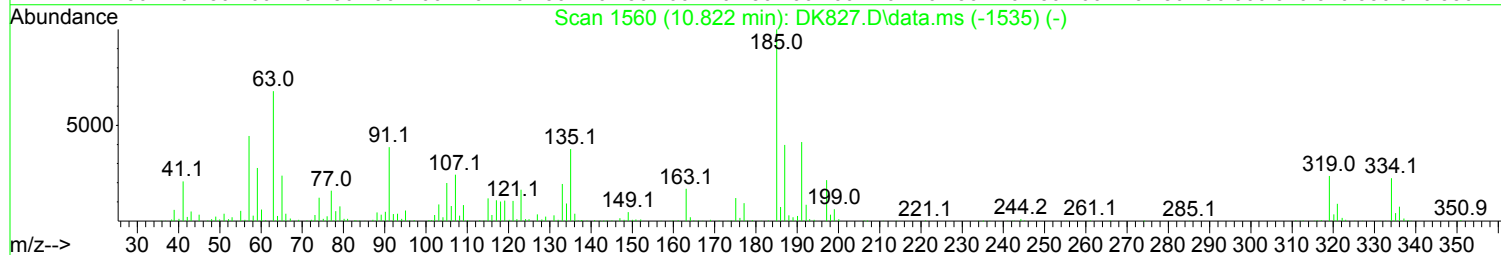
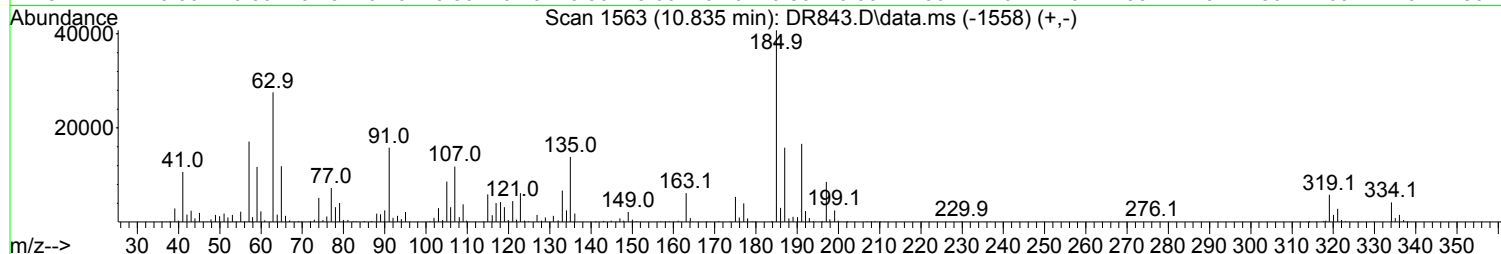
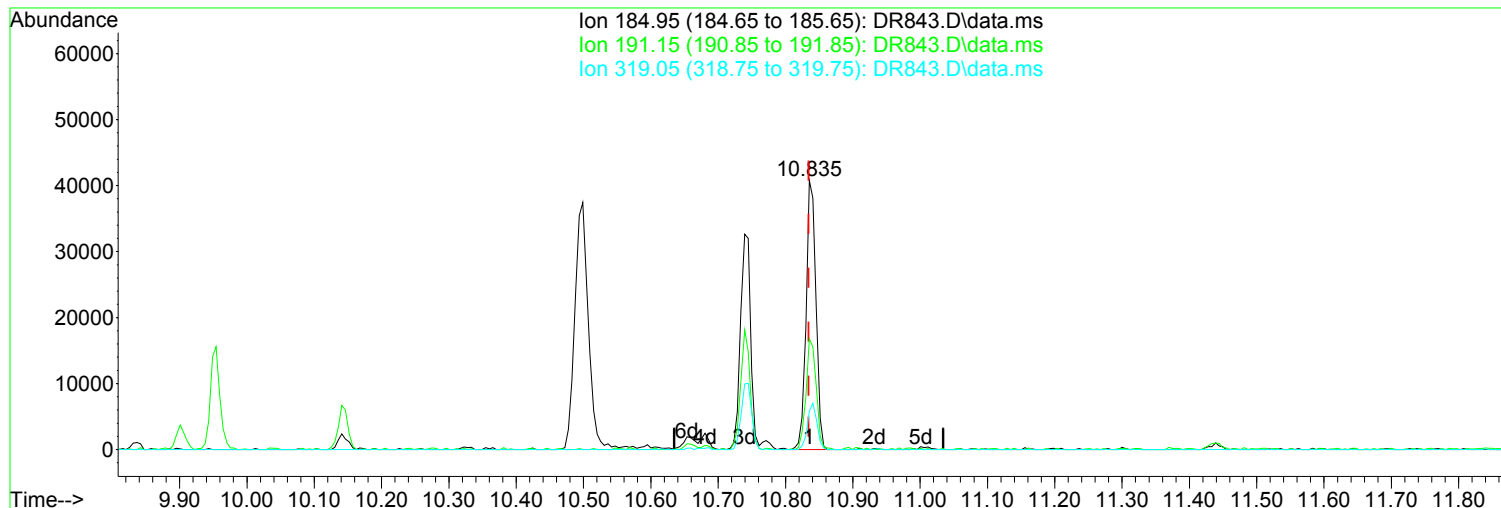
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.13
319.05	16.80	14.27
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR843.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 28.60 ppm

Before

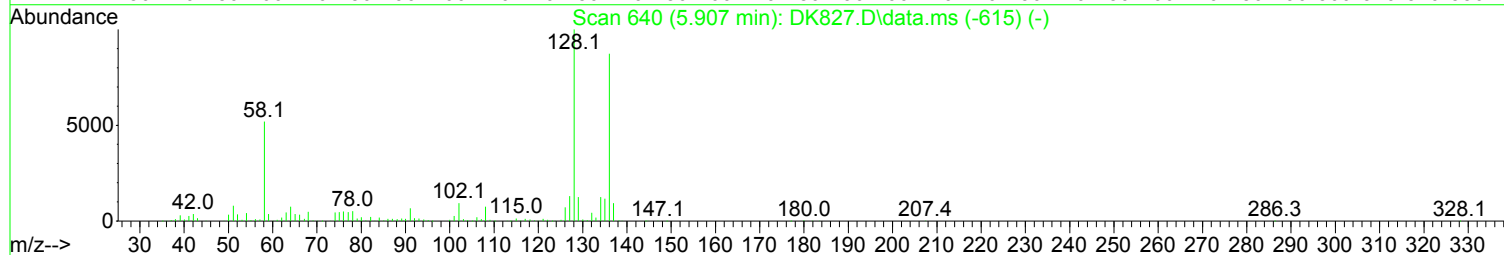
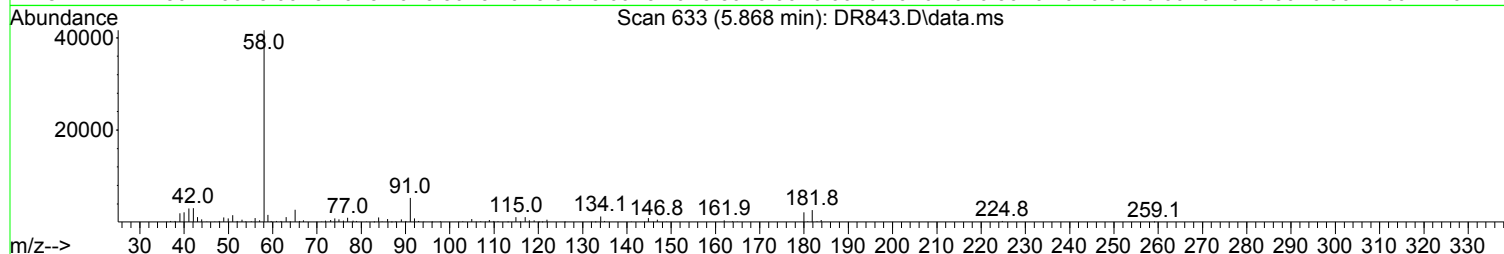
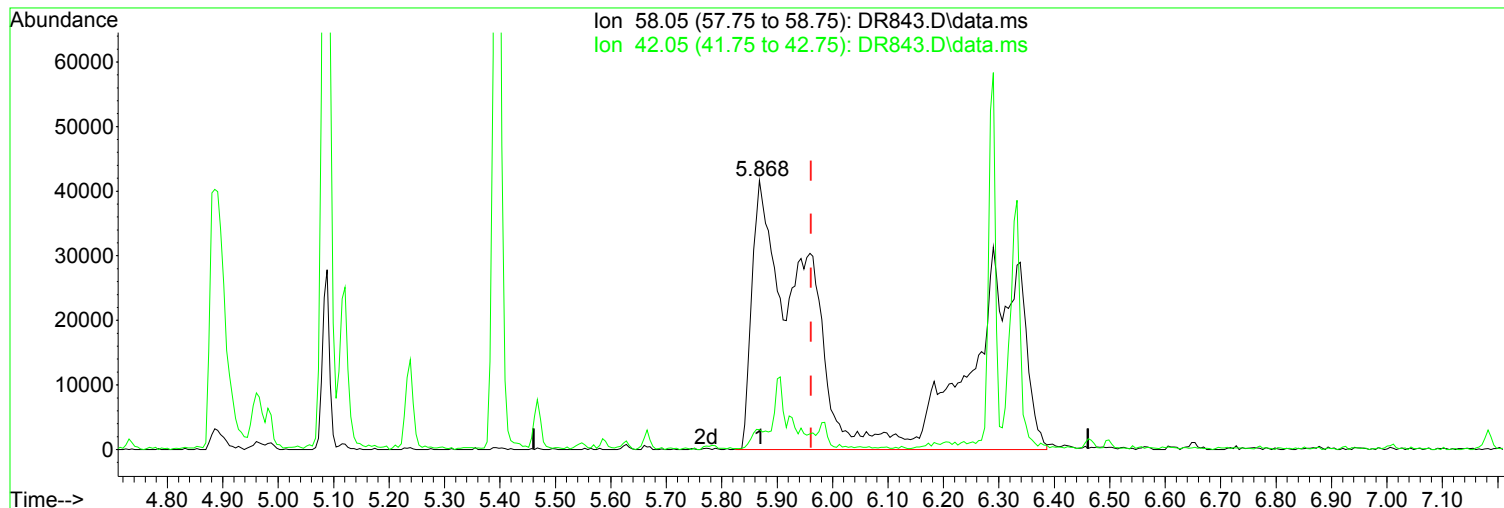
response 41502

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.77
319.05	16.80	14.27
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR843.D
 Acq On : 30 Apr 2019 12:00 pm
 Operator : JMisiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR843.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 56.27 ppm m

After

response 453701

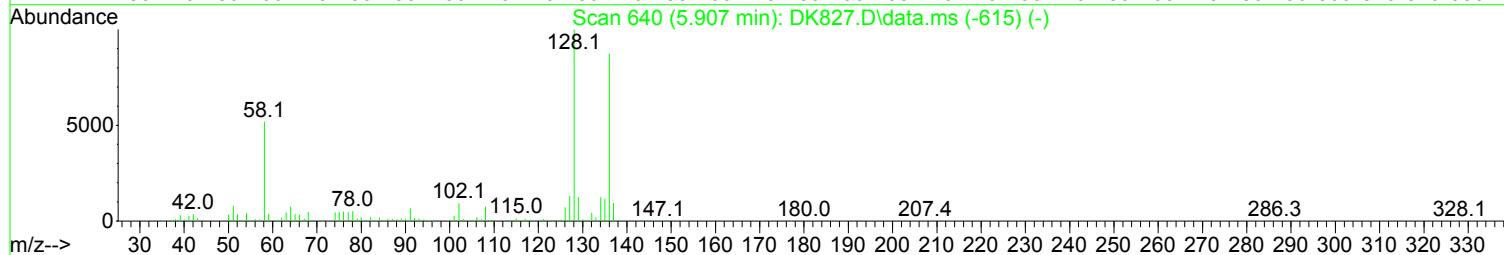
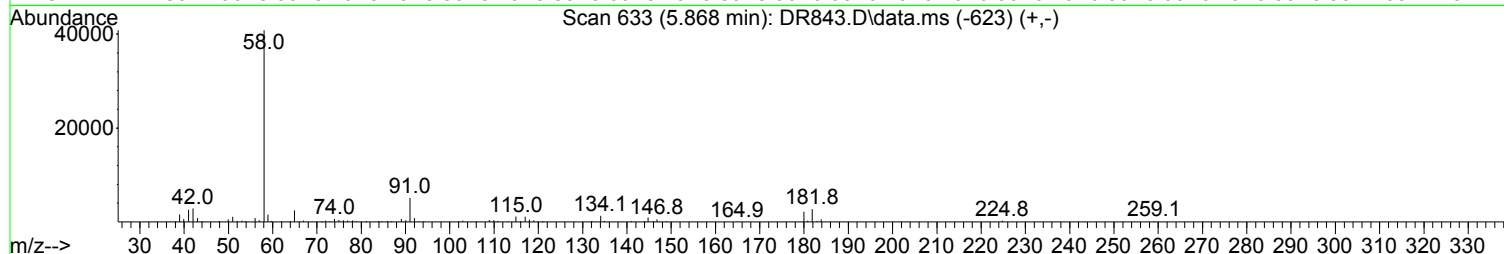
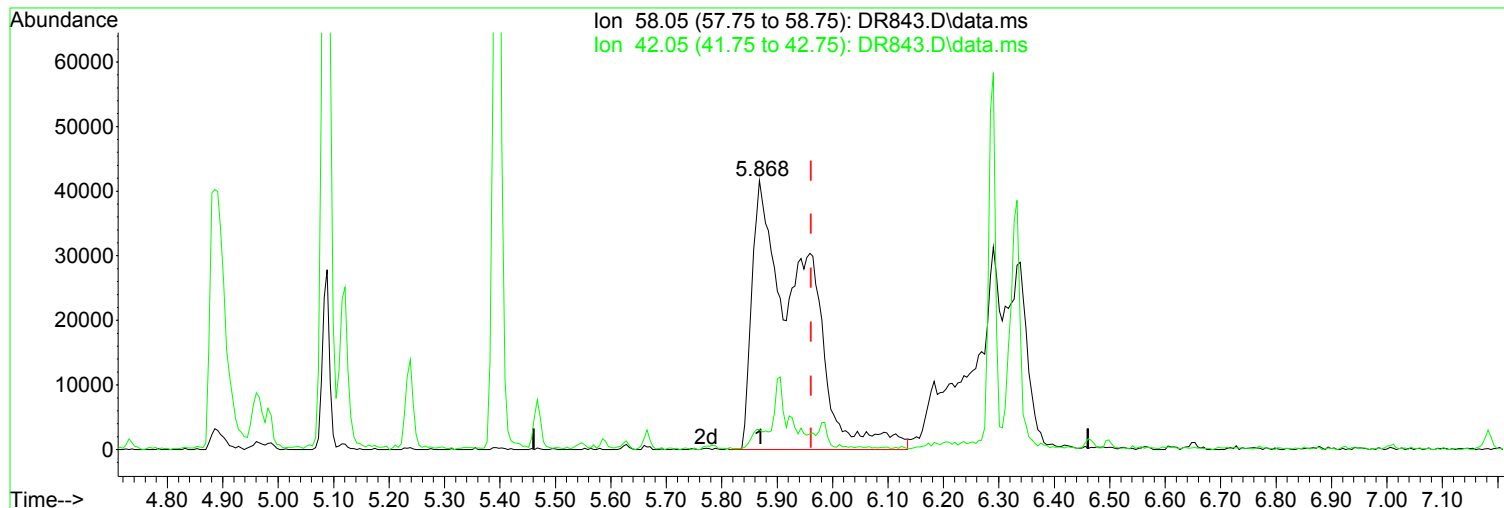
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.40
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 32.40 ppm

Before

response 261234

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	6.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	110698	40.00	ppm	0.00	
33) d8-Naphthalene	5.906	136	425134	40.00	ppm	0.00	
57) d10-Acenaphthene	7.615	164	204158	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	310232	40.00	ppm	0.00	
117) d12-Chrysene	12.358	240	288336	40.00	ppm	0.00	
135) d12-Perylene	15.295	264	275009	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.662	112	208047	51.67	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	51.67%	
12) SURR2,PHENOL-D6	4.426	99	270537	54.69	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	54.69%	
34) SURR4,NITROBENZENE-D5	5.238	82	217116	50.33	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	100.66%	
63) SURR5,2-FLUOROBIPHENYL	6.947	172	408560	52.63	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	105.26%	
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	43898	52.51	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	52.51%	
124) SURR6,TERPHENYL-D14	10.771	244	359803	52.97	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	105.94%	
Target Compounds							
							Qvalue
2) Pyridine	2.610	79	243164	57.230	ppm		98
3) N-Nitrosodimethylamine	2.578	74	142554	55.162	ppm		98
4) 2-Picoline	3.192	93	235280	53.514	ppm		97
5) N-Nitrosomethylamine	3.278	42	93195	52.142	ppm		95
6) Methyl Methansulfonate	3.518	80	106880	53.365	ppm		99
8) N-Nitrosodiethylamine	3.828	102	105601	53.787	ppm		92
9) Ethyl Mathanesulfonate	4.074	79	174591	51.587	ppm		98
10) Benzaldehyde	4.362	106	151652	53.556	ppm		98
11) Aniline	4.453	93	338707	53.651	ppm		97
13) Phenol	4.437	94	289294	53.474	ppm		98
14) bis(2-Clethyl)Ether	4.496	93	192312	51.376	ppm		98
15) Pentachloroethane	4.490	117	78549	52.117	ppm		96
16) 2-Chlorophenol	4.560	128	228057	53.665	ppm		97
17) 1,3-Diclbzene	4.682	146	233373	52.769	ppm		99
18) 1,4-Dichlorobenzene	4.747	146	236137	52.175	ppm		96
19) 1,2-Diclbzene	4.885	146	222261	51.397	ppm		99
20) Benzyl Alcohol	4.859	79	157420	54.695	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.885	99	145636	55.365	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	187574	52.150	ppm	#	85
23) 2-Methylphenol	4.966	108	198873	52.155	ppm		95
24) 3+4-Methylphenol	5.104	108	223412	51.784	ppm		96
25) Acetophenone	5.094	105	277229	51.734	ppm		99
26) N-Nitroso-Di-n-propyla...	5.088	70	151454	52.404	ppm		98
27) N-Nitrosopyrrolidine	5.088	100	110793	52.719	ppm		77
28) N-Nitrosomorpholine	5.120	56	106083	51.281	ppm		97
29) o-Toluidine	5.126	106	312542	52.521	ppm		98
30) Hexachloroethane	5.185	117	90494	51.947	ppm		99
31) o,o,o-Triethylphosphor...	5.628	198	93584	51.581	ppm		87
32) Alpha-terpinol	5.927	121	74018	52.357	ppm		97
35) Nitrobenzene	5.254	77	222556	51.368	ppm		99
36) N-Nitrosopiperidine	5.393	42	121121	51.427	ppm		97
37) Isophorone	5.468	82	374516	51.853	ppm		99
38) 2-Nitrophenol	5.548	139	118531	52.871	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR843.D
 Acq On : 30 Apr 2019 12:00 pm
 Operator : JMisiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	210797	52.212	ppm	94
40) bis(-2-Chloroethoxy)Me...	5.665	93	226533	53.345	ppm	99
41) Benzoic Acid	5.681	105	73824	50.003	ppm	99
42) 2,4-Dichlorophenol	5.783	162	173514	54.261	ppm	96
43) a,a-Dimethylphenethyla...	5.868	58	453701m	56.270	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	171319	50.811	ppm	99
45) Naphthalene	5.927	128	590082	50.359	ppm	99
46) 4-Chloroaniline	5.986	127	246095	50.192	ppm	99
47) 2,6-Dichlorophenol	5.991	162	170509	50.990	ppm	90
48) Hexachlorobutadiene	6.028	225	86233	50.477	ppm	97
49) Hexachloropropene	5.996	213	112089	52.512	ppm	98
50) 4-Chloro-3-methylphenol	6.466	107	162550	50.978	ppm	# 64
51) N-N-di-n-butylamine	6.290	84	129320	51.055	ppm	98
52) Caprolactam	6.333	113	62461	49.277	ppm	90
53) p-Phenylenediamine	6.338	80	44084	52.662	ppm	98
54) Safrole	6.498	162	155842	51.814	ppm	97
55) 2-Methylnaphthalene	6.589	142	380698	50.200	ppm	96
56) 1-Methylnaphthalene	6.685	142	359083	50.613	ppm	99
58) Hexachlorocyclopentadiene	6.728	237	71238	51.359	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.749	216	157122	52.291	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.033	216	164784	52.081	ppm	97
61) 2,4,6-Trichlorophenol	6.878	196	105353	55.356	ppm	96
62) 2,4,5-Trichlorophenol	6.926	196	107718	52.623	ppm	97
64) Isosafrole	7.011	104	67437	51.361	ppm	92
65) 1,1'-Biphenyl	7.043	154	466049	51.531	ppm	99
66) 2-Chloronaphthalene	7.070	162	339546	51.943	ppm	99
67) 2-Nitroaniline	7.182	65	97208	52.023	ppm	94
68) 1,4-Naphthoquinone	7.257	158	113203	55.164	ppm	88
69) m-Dinitrobenzene	7.401	168	65665	51.129	ppm	93
70) Acenaphthylene	7.476	152	544676	52.021	ppm	98
71) Dimethyl phthalate	7.348	163	377190	49.353	ppm	99
72) 2,6-Dinitrotoluene	7.417	165	88827	51.195	ppm	97
73) Acenaphthene	7.647	153	375171	51.509	ppm	99
74) 3-Nitroaniline	7.593	138	103780	52.031	ppm	98
75) 2,4-Dinitrophenol	7.700	184	31154	54.900	ppm	86
76) Dibenzofuran	7.818	168	470226	52.282	ppm	97
77) 2,4-Dinitrotoluene	7.818	165	121270	52.921	ppm	95
78) 4-Nitrophenol	7.807	65	70138	52.611	ppm	# 53
79) Pentachlorobenzene	7.770	250	126121	52.375	ppm	100
80) 1-Naphthylamine	7.903	143	239726	50.612	ppm	99
81) 2-Naphthylamine	7.983	143	301853	50.014	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.951	232	73574	52.599	ppm	91
83) Fluorene	8.154	166	378292	51.155	ppm	98
84) 4-Chlorophenyl-phenyle...	8.149	204	153366	51.407	ppm	96
85) Diethylphthalate	8.037	149	381341	50.383	ppm	99
86) 4-Nitroaniline	8.202	138	104981	53.360	ppm	96
87) 5-Nitro-o-toluidine	8.186	152	117376	52.553	ppm	95
89) Sulfotepp	8.416	322	47300	50.071	ppm	91
90) Octachlorocyclopentene	8.395	307	51376	53.425	ppm	98
92) Thionazin	8.117	107	62619	51.449	ppm	98
93) 4,6-Dinitro-2-methylph...	8.224	198	64656	54.067	ppm	97
94) Diphenylamine	8.277	169	565644	103.181	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	371577	53.705	ppm	96
96) N-Nitrosodiphenylamine	8.277	169	565644	103.181	ppm	98
97) 1,3,5-Trinitrobenzene	8.597	74	54699	55.283	ppm	94
98) Diallate	8.544	86	138539	49.545	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

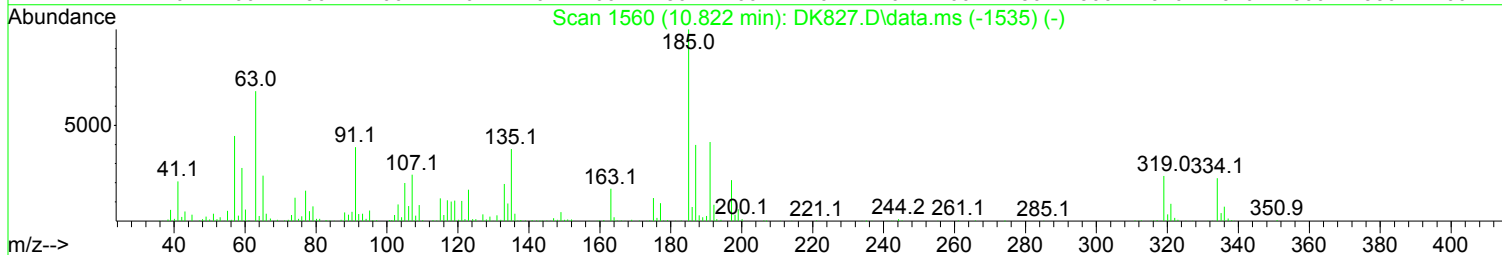
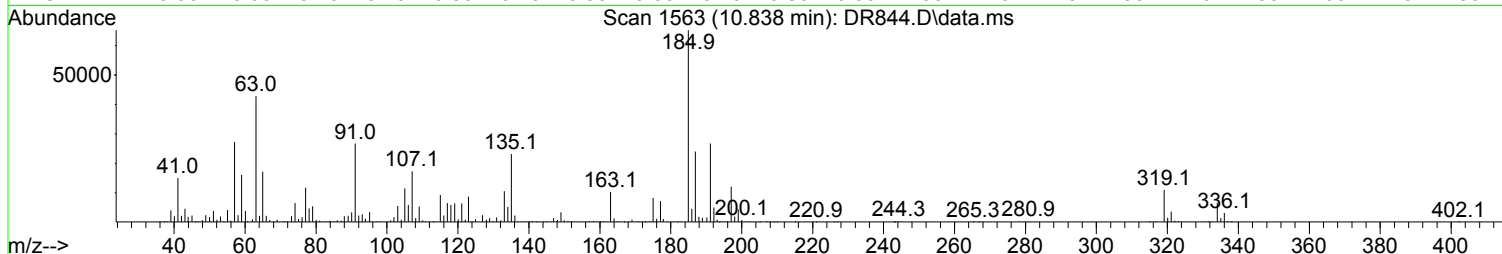
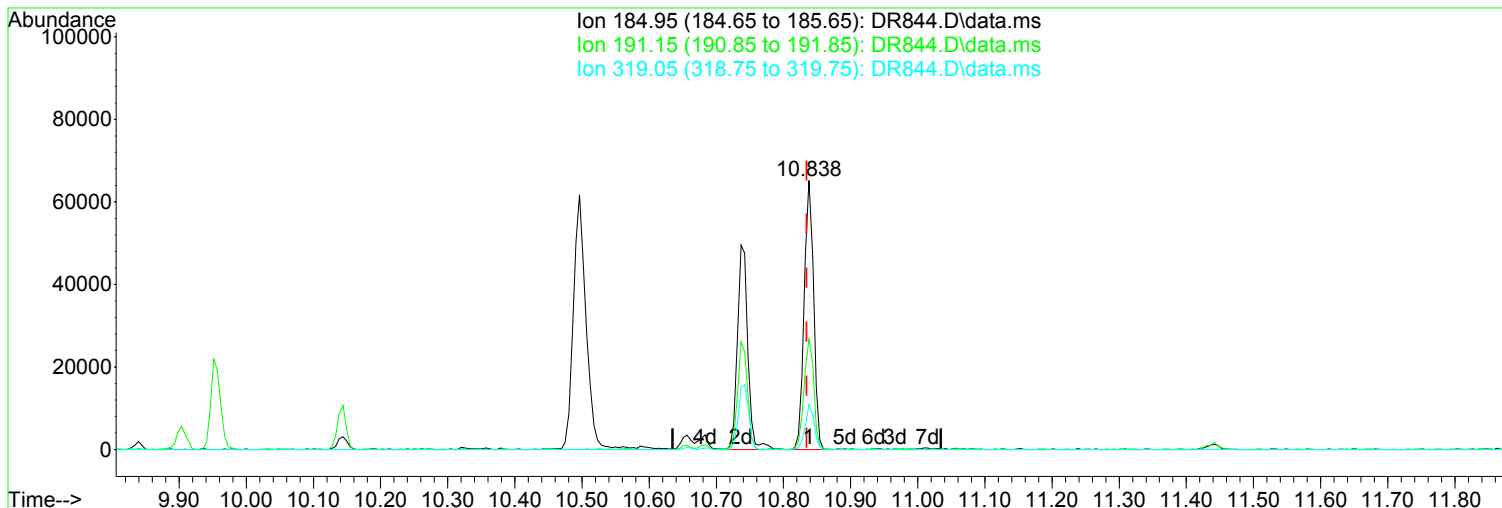
Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	71025	49.497	ppm	97
100) Phenacetin	8.603	108	198196	54.826	ppm	97
101) 4-Bromophenyl-phenylether	8.635	248	82693	50.977	ppm	96
102) Hexachlorobenzene	8.694	284	91221	50.006	ppm	98
103) Dimethoate	8.752	87	131387	55.428	ppm	97
104) Atrazine	8.806	215	48849	55.071	ppm	96
105) Pentachlorophenol	8.907	266	32963	53.349	ppm	98
106) 4-Aminobiphenyl	8.902	169	313308	56.245	ppm	99
107) Pentachloronitrobenzene	8.902	237	37979	56.355	ppm	98
108) Pronamide	8.955	173	177995	56.116	ppm	96
109) Dinoseb	9.073	211	85017	54.014	ppm	98
110) Disulfoton	9.078	88	179076	49.797	ppm	97
111) Phenanthrene	9.110	178	509880	51.970	ppm	99
112) Anthracene	9.164	178	511848	52.507	ppm	98
113) Carbazole	9.329	167	518965	54.197	ppm	99
114) Di-n-butylphthalate	9.650	149	691327	55.856	ppm	98
115) 4-Nitroquinonline-1-oxide	9.901	190	30376	52.343	ppm	86
116) Fluoranthene	10.323	202	544361	54.197	ppm	99
118) Methyl Parathion	9.457	109	123379	53.973	ppm	90
119) Ethyl Parathion	9.837	97	92173	53.969	ppm	97
120) Methapyrilene	9.949	58	136127	54.790	ppm	99
121) Isodrin	10.141	193	54114	51.330	ppm	90
122) Benzidine	10.499	184	378125	55.889	ppm	99
123) Pyrene	10.590	202	566160	53.472	ppm	99
125) Aramite	10.835	185	77165m	53.181	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	173681	55.216	ppm	91
127) Chlorobenzilate	11.012	139	197095	53.636	ppm	93
128) Butyl benzyl phthalate	11.444	149	312570	53.216	ppm	97
129) 3,3-Dimethylbenzidine	11.439	212	342581	53.195	ppm	97
130) 2-Acetylaminofluorene	11.839	181	245928	52.426	ppm	99
131) 3,3'-Dichlorobenzidine	12.315	252	200153	52.188	ppm	99
132) Benzo(a)anthracene	12.336	228	502187	51.293	ppm	100
133) Chrysene	12.406	228	465026	51.629	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.406	149	425392	52.623	ppm	98
136) Di-n-octyl phthalate	13.730	149	704356	53.968	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	224365	53.968	ppm	99
138) Benzo(b)Fluoranthene	14.467	252	496783	54.283	ppm	99
139) Benzo(k)fluoranthene	14.526	252	463822	53.511	ppm	97
140) Benzo(a)pyrene	15.172	252	430163	54.656	ppm	98
141) 3-Methylcholanthrene	15.947	268	252152	54.703	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.255	276	409665	53.077	ppm	99
143) Dibenz(a,h)anthracene	17.303	278	434314	53.705	ppm	99
144) Benzo(g,h,i)perylene	17.715	276	351651	52.862	ppm	99

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.838min (+ 0.003) 81.76 ppm m

After

response 116877

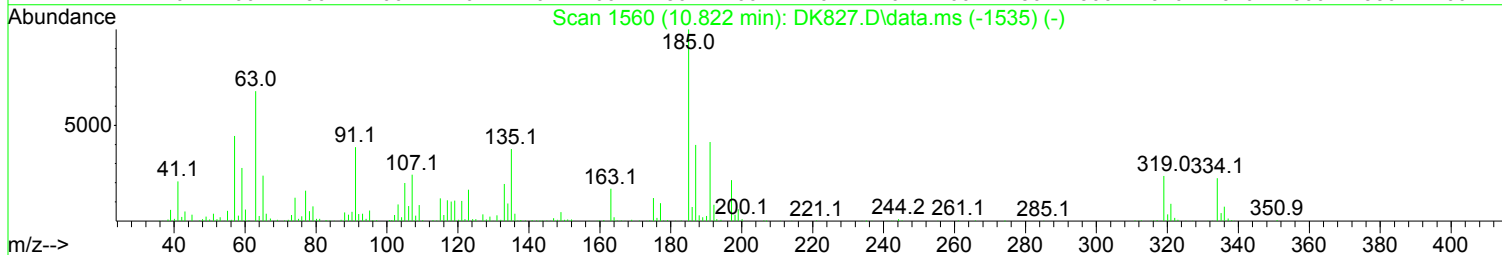
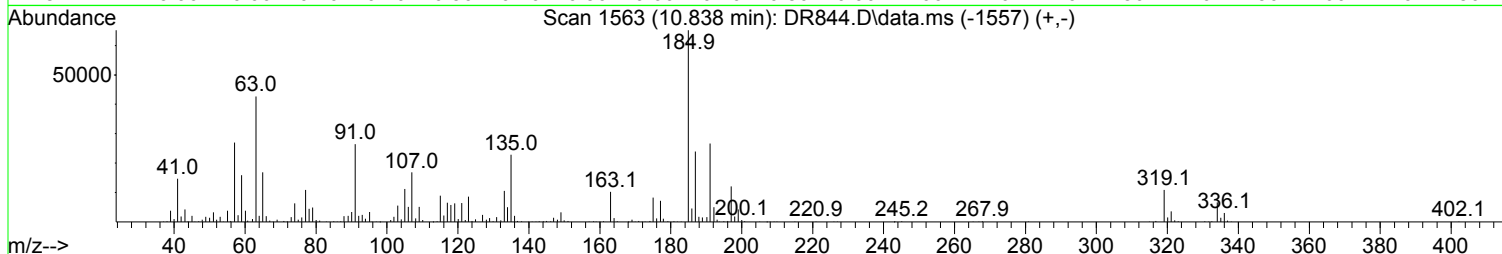
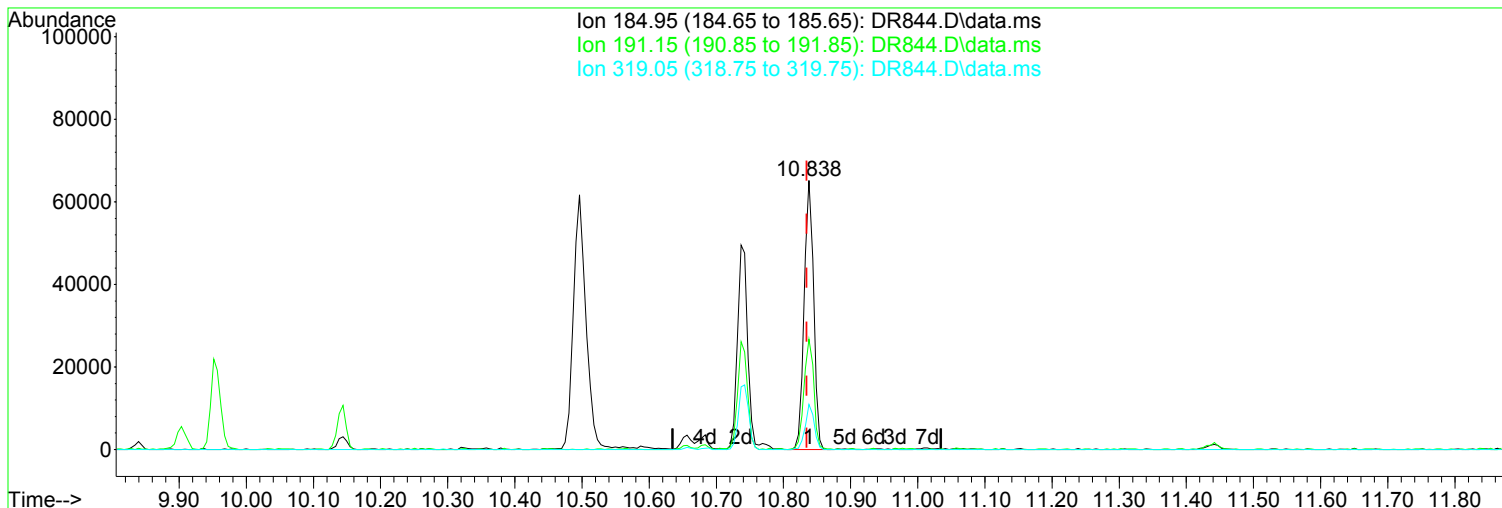
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.00
319.05	16.80	16.77
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.838min (+ 0.003) 44.41 ppm

Before

response 63484

Ion Exp% Act%

05/01/19

184.95 100.00 100.00

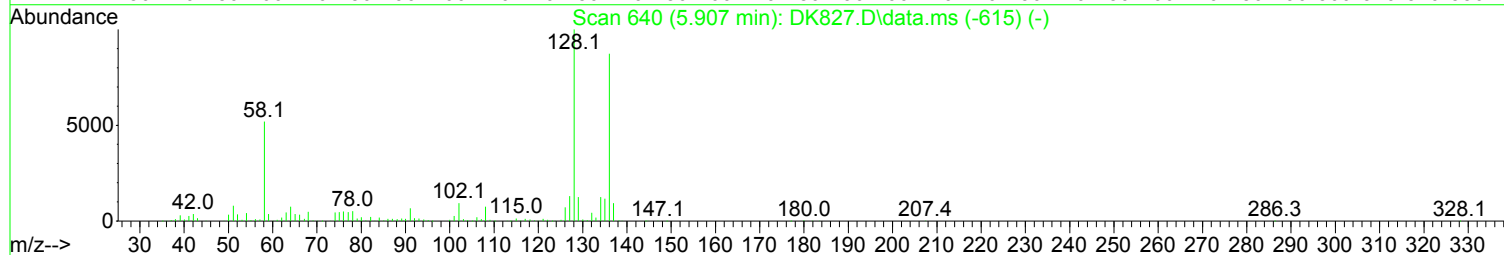
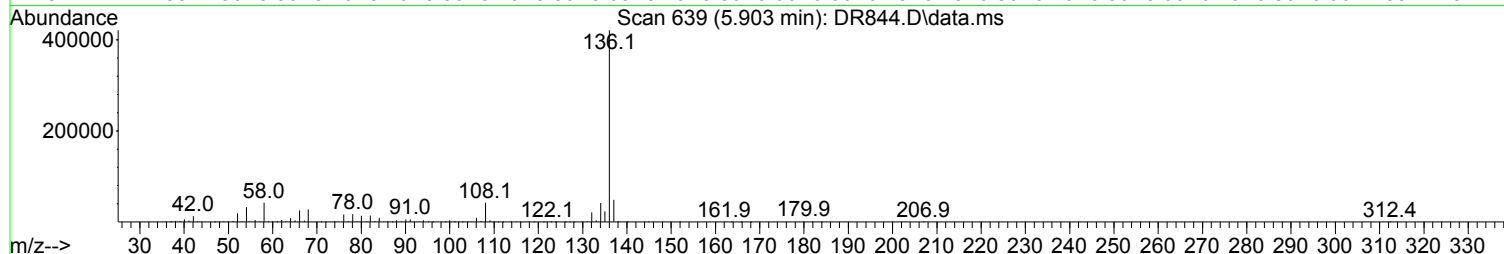
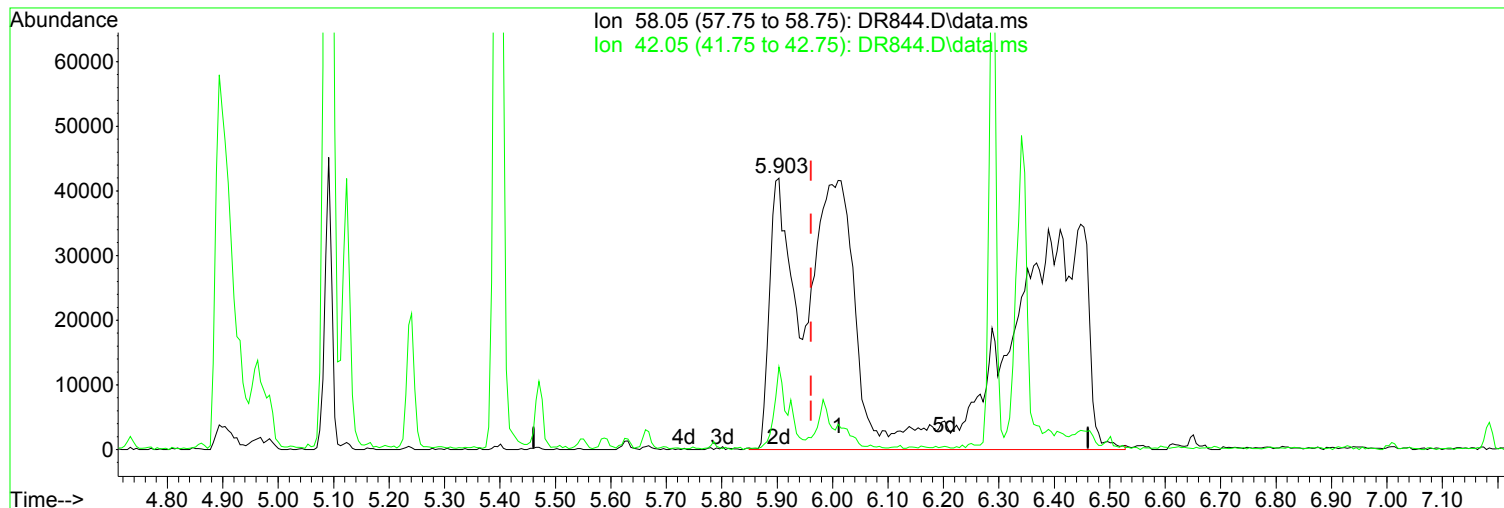
191.15 41.00 40.87

319.05 16.80 16.77

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.903min (-0.058) 84.84 ppm m

After

response 659304

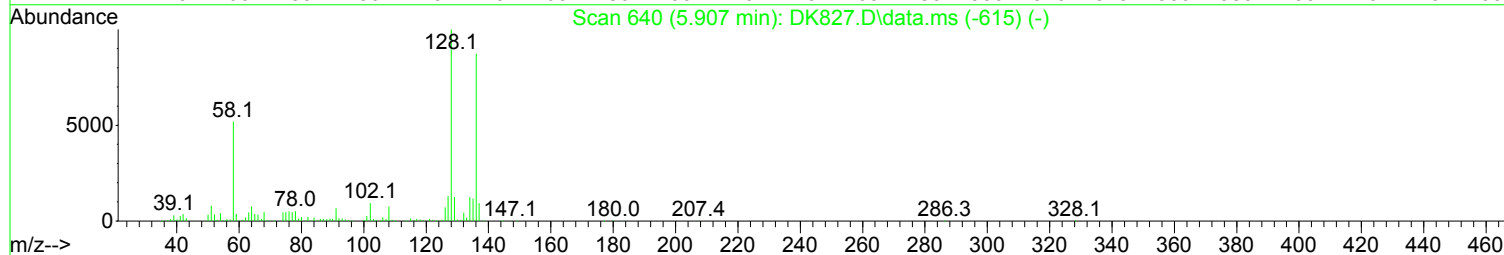
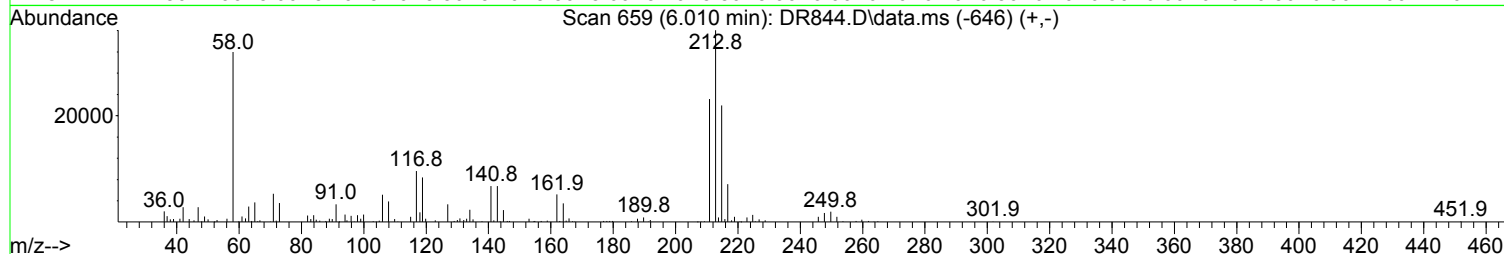
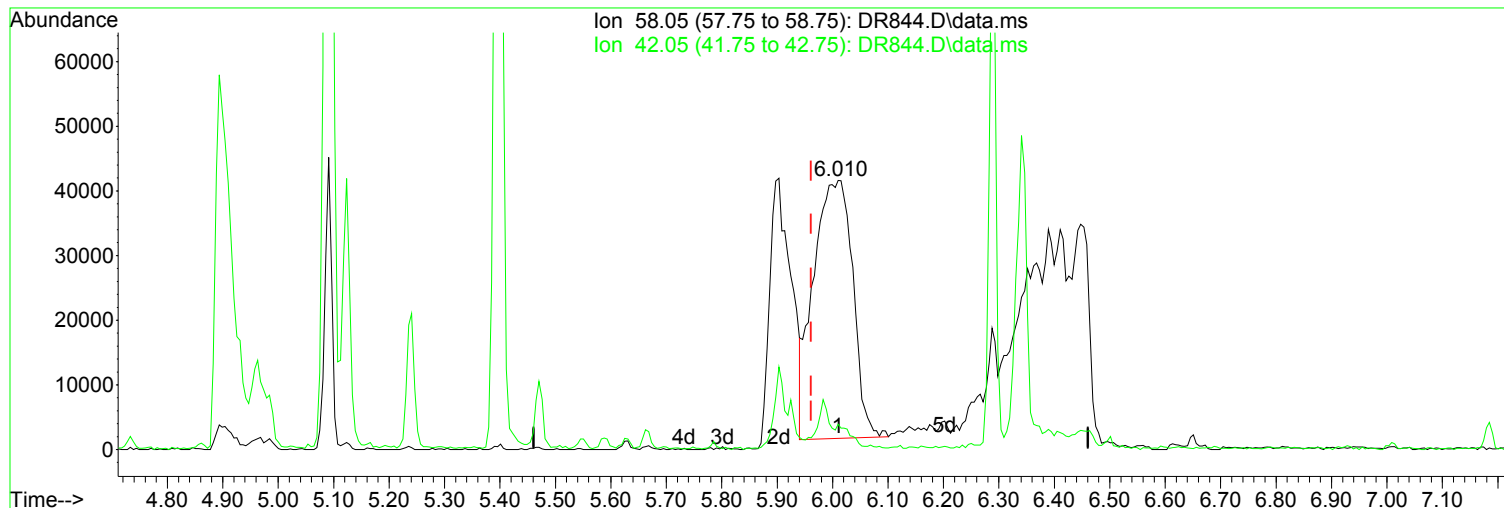
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.010min (+ 0.049) 25.28 ppm

Before

response 196453

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.84
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	111094	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	409743	40.00	ppm	0.00	
57) d10-Acenaphthene	7.612	164	205062	40.00	ppm	0.00	
91) d10-Phenanthrene	9.086	188	318535	40.00	ppm	0.00	
117) d12-Chrysene	12.360	240	284078	40.00	ppm	0.00	
135) d12-Perylene	15.298	264	284491	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	328643	81.33	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	81.33%#	
12) SURR2,PHENOL-D6	4.424	99	408099	82.21	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	82.21%	
34) SURR4,NITROBENZENE-D5	5.241	82	330150	79.40	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	158.80%#	
63) SURR5,2-FLUOROBIPHENYL	6.944	172	609960	78.22	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	156.44%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	65942	78.53	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	78.53%	
124) SURR6,TERPHENYL-D14	10.774	244	545637	81.53	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	163.06%	
Target Compounds							
							Qvalue
2) Pyridine	2.608	79	376380	88.267	ppm		100
3) N-Nitrosodimethylamine	2.581	74	220543	85.036	ppm		100
4) 2-Picoline	3.190	93	361943	82.030	ppm		100
5) N-Nitrosomethylamine	3.281	42	141006	78.611	ppm		100
6) Methyl Methansulfonate	3.521	80	164037	81.611	ppm		100
8) N-Nitrosodiethylamine	3.831	102	160555	81.486	ppm		100
9) Ethyl Mathanesulfonate	4.076	79	264634	77.913	ppm		100
10) Benzaldehyde	4.365	106	219717	77.316	ppm		100
11) Aniline	4.456	93	516077	81.455	ppm		100
13) Phenol	4.434	94	441888	81.389	ppm		100
14) bis(2-Clethyl)Ether	4.493	93	294432	78.376	ppm		100
15) Pentachloroethane	4.493	117	121611	80.401	ppm		100
16) 2-Chlorophenol	4.562	128	346574	81.264	ppm		100
17) 1,3-Diclbzene	4.685	146	355705	80.143	ppm		100
18) 1,4-Dichlorobenzene	4.749	146	367639	80.941	ppm		100
19) 1,2-Diclbzene	4.883	146	345901	79.703	ppm		100
20) Benzyl Alcohol	4.861	79	234795	81.288	ppm		100
21) 1-Methyl-2-pyrrolidinone	4.894	99	218447	82.749	ppm		100
22) 2,2'-oxybis(1-Chloropr...	4.963	45	287632	79.683	ppm		100
23) 2-Methylphenol	4.974	108	299664	78.308	ppm		100
24) 3+4-Methylphenol	5.107	108	346543	80.038	ppm		100
25) Acetophenone	5.096	105	418092	77.743	ppm		100
26) N-Nitroso-Di-n-propyla...	5.091	70	221412	76.337	ppm		100
27) N-Nitrosopyrrolidine	5.096	100	168207	79.753	ppm		100
28) N-Nitrosomorpholine	5.123	56	156895	75.574	ppm		100
29) o-Toluidine	5.129	106	466192	78.062	ppm		100
30) Hexachloroethane	5.182	117	137561	78.684	ppm		100
31) o,o,Triethylphosphor...	5.631	198	143394	78.753	ppm		100
32) Alpha-terpinol	5.924	121	110881	78.152	ppm		100
35) Nitrobenzene	5.257	77	329303	78.862	ppm		100
36) N-Nitrosopiperidine	5.396	42	179943	79.271	ppm		100
37) Isophorone	5.470	82	558994	80.302	ppm		100
38) 2-Nitrophenol	5.545	139	179504	83.076	ppm		100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	322041	82.762	ppm	100
40) bis(-2-Chloroethoxy)Me...	5.663	93	332522	81.244	ppm	100
41) Benzoic Acid	5.695	105	134604	80.159	ppm	94
42) 2,4-Dichlorophenol	5.785	162	259076	84.060	ppm	100
43) a,a-Dimethylphenethyla...	5.903	58	659304m	84.841	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	264242	81.315	ppm	100
45) Naphthalene	5.924	128	902601	79.924	ppm	100
46) 4-Chloroaniline	5.983	127	385441	81.565	ppm	100
47) 2,6-Dichlorophenol	5.988	162	260909	80.954	ppm	100
48) Hexachlorobutadiene	6.026	225	131095	79.619	ppm	100
49) Hexachloropropene	5.999	213	168191	81.754	ppm	100
50) 4-Chloro-3-methylphenol	6.469	107	254044	82.664	ppm	100
51) N-N-di-n-butylamine	6.288	84	194414	79.637	ppm	100
52) Caprolactam	6.346	113	93444	76.490	ppm	100
53) p-Phenylenediamine	6.341	80	67932	84.199	ppm	100
54) Safrole	6.501	162	236369	81.539	ppm	100
55) 2-Methylnaphthalene	6.592	142	592802	81.105	ppm	100
56) 1-Methylnaphthalene	6.688	142	542246	79.301	ppm	100
58) Hexachlorocyclopentadiene	6.731	237	117190	80.716	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.752	216	238205	78.926	ppm	100
60) 1,2,3,4-Tetrachloroben...	7.030	216	251337	79.086	ppm	100
61) 2,4,6-Trichlorophenol	6.875	196	155958	81.585	ppm	100
62) 2,4,5-Trichlorophenol	6.928	196	168305	81.859	ppm	100
64) Isosafrole	7.009	104	101971	77.320	ppm	# 62
65) 1,1'-Biphenyl	7.046	154	717251	78.956	ppm	100
66) 2-Chloronaphthalene	7.073	162	512823	78.105	ppm	100
67) 2-Nitroaniline	7.185	65	141128	75.195	ppm	100
68) 1,4-Naphthoquinone	7.254	158	172344	83.613	ppm	100
69) m-Dinitrobenzene	7.398	168	101285	78.517	ppm	100
70) Acenaphthylene	7.479	152	821644	78.128	ppm	100
71) Dimethyl phthalate	7.345	163	572844	74.623	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	132813	76.208	ppm	100
73) Acenaphthene	7.644	153	575749	78.700	ppm	100
74) 3-Nitroaniline	7.596	138	158445	79.087	ppm	100
75) 2,4-Dinitrophenol	7.708	184	54555	82.677	ppm	100
76) Dibenzofuran	7.815	168	715203	79.169	ppm	100
77) 2,4-Dinitrotoluene	7.820	165	183798	79.854	ppm	100
78) 4-Nitrophenol	7.810	65	110328	82.393	ppm	100
79) Pentachlorobenzene	7.772	250	190494	78.758	ppm	100
80) 1-Naphthylamine	7.906	143	361879	76.065	ppm	100
81) 2-Naphthylamine	7.986	143	463730	76.496	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.949	232	116398	82.848	ppm	100
83) Fluorene	8.157	166	564935	76.057	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	233614	77.960	ppm	100
85) Diethylphthalate	8.039	149	588104	77.358	ppm	100
86) 4-Nitroaniline	8.210	138	164156	83.070	ppm	100
87) 5-Nitro-o-toluidine	8.189	152	181063	80.711	ppm	100
89) Sulfotepp	8.419	322	73608	77.577	ppm	100
90) Octachlorocyclopentene	8.397	307	79068	81.859	ppm	100
92) Thionazin	8.120	107	95217	76.193	ppm	100
93) 4,6-Dinitro-2-methylph...	8.226	198	100320	81.703	ppm	100
94) Diphenylamine	8.274	169	873772	155.233	ppm	100
95) 1,2 Diphenylhydrazine	8.312	77	530964	74.741	ppm	100
96) N-Nitrosodiphenylamine	8.274	169	873772	155.233	ppm	100
97) 1,3,5-Trinitrobenzene	8.600	74	82701	81.405	ppm	99
98) Diallate	8.547	86	211831	73.782	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

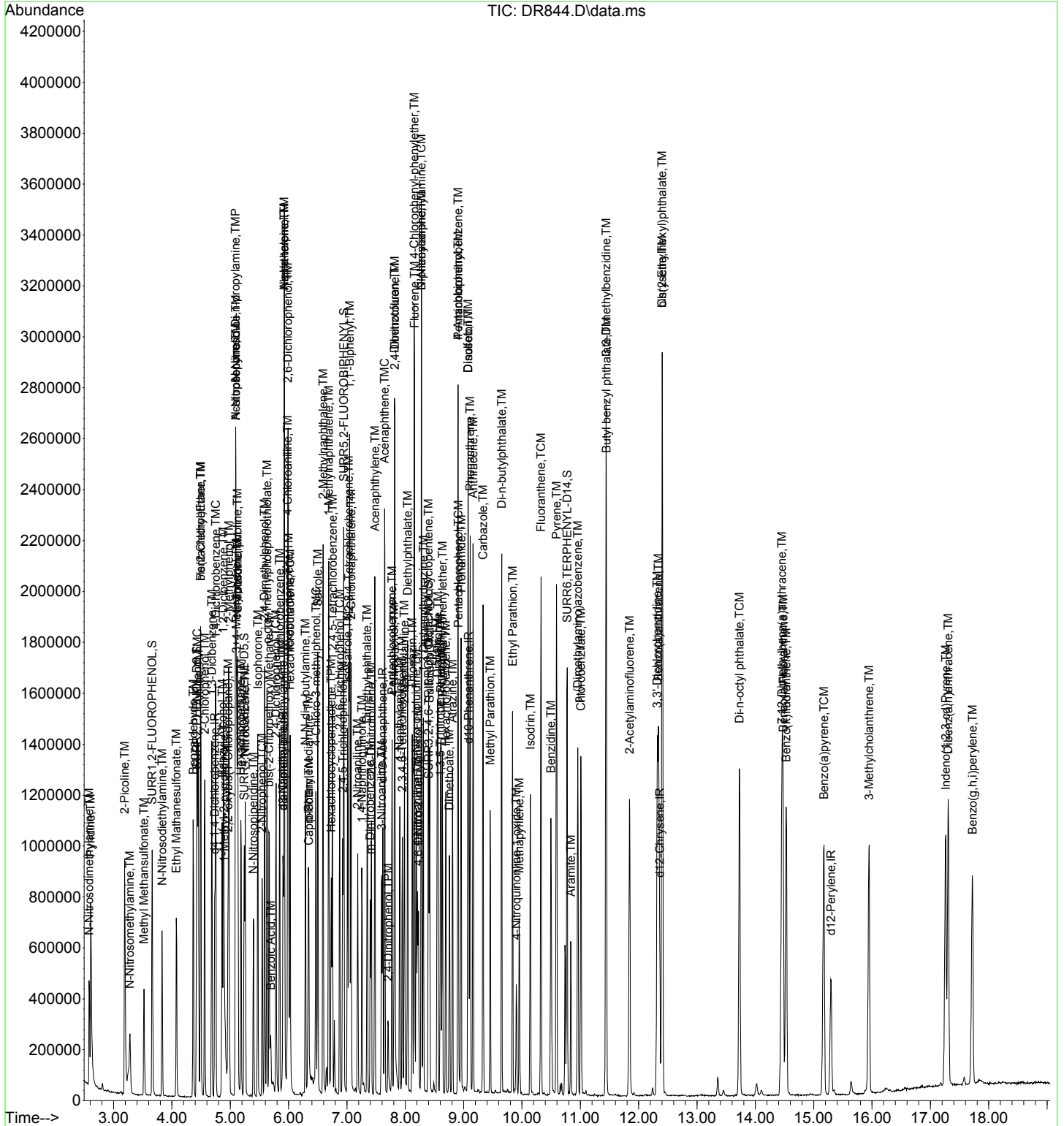
Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.557	121	111891	75.944	ppm	100
100) Phenacetin	8.611	108	297716	80.209	ppm	100
101) 4-Bromophenyl-phenylether	8.638	248	127565	76.589	ppm	100
102) Hexachlorobenzene	8.696	284	140131	74.815	ppm	100
103) Dimethoate	8.755	87	186500	76.628	ppm	100
104) Atrazine	8.809	215	71495	78.500	ppm	100
105) Pentachlorophenol	8.910	266	56841	81.989	ppm	100
106) 4-Aminobiphenyl	8.905	169	462487	80.861	ppm	100
107) Pentachloronitrobenzene	8.905	237	56797	82.082	ppm	100
108) Pronamide	8.958	173	272179	83.573	ppm	100
109) Dinoseb	9.076	211	134438	83.187	ppm	100
110) Disulfoton	9.076	88	267536	72.456	ppm	100
111) Phenanthrene	9.113	178	785410	77.967	ppm	100
112) Anthracene	9.161	178	786077	78.536	ppm	100
113) Carbazole	9.332	167	791248	80.478	ppm	100
114) Di-n-butylphthalate	9.652	149	1008750	79.378	ppm	100
115) 4-Nitroquinonline-1-oxide	9.903	190	49818	83.608	ppm	100
116) Fluoranthene	10.325	202	835629	81.027	ppm	100
118) Methyl Parathion	9.455	109	183402	81.434	ppm	100
119) Ethyl Parathion	9.839	97	135214	80.357	ppm	100
120) Methapyrilene	9.952	58	195727	79.959	ppm	100
121) Isodrin	10.144	193	83187	80.091	ppm	100
122) Benzidine	10.496	184	562198	84.341	ppm	100
123) Pyrene	10.592	202	871472	83.541	ppm	100
125) Aramite	10.838	185	116877m	81.757	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	267727	86.391	ppm	100
127) Chlorobenzilate	11.009	139	302142	83.455	ppm	100
128) Butyl benzyl phthalate	11.447	149	468336	80.931	ppm	100
129) 3,3-Dimethylbenzidine	11.442	212	531704	83.799	ppm	100
130) 2-Acetylaminofluorene	11.842	181	388225	84.001	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	306168	81.027	ppm	100
132) Benzo(a)anthracene	12.339	228	773134	80.150	ppm	100
133) Chrysene	12.403	228	712779	80.322	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.403	149	645437	81.041	ppm	100
136) Di-n-octyl phthalate	13.728	149	1089722	80.711	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.454	256	354463	82.419	ppm	100
138) Benzo(b)Fluoranthene	14.475	252	769221	81.251	ppm	100
139) Benzo(k)fluoranthene	14.529	252	736138	82.097	ppm	100
140) Benzo(a)pyrene	15.175	252	662670	81.392	ppm	100
141) 3-Methylcholanthrene	15.950	268	389332	81.648	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.263	276	634202	79.429	ppm	100
143) Dibenz(a,h)anthracene	17.306	278	677770	81.016	ppm	100
144) Benzo(g,h,i)perylene	17.723	276	548987	79.777	ppm	100

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

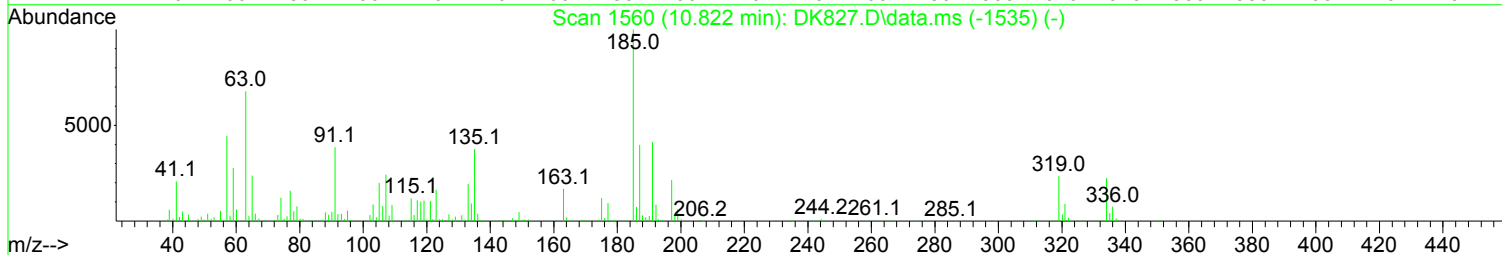
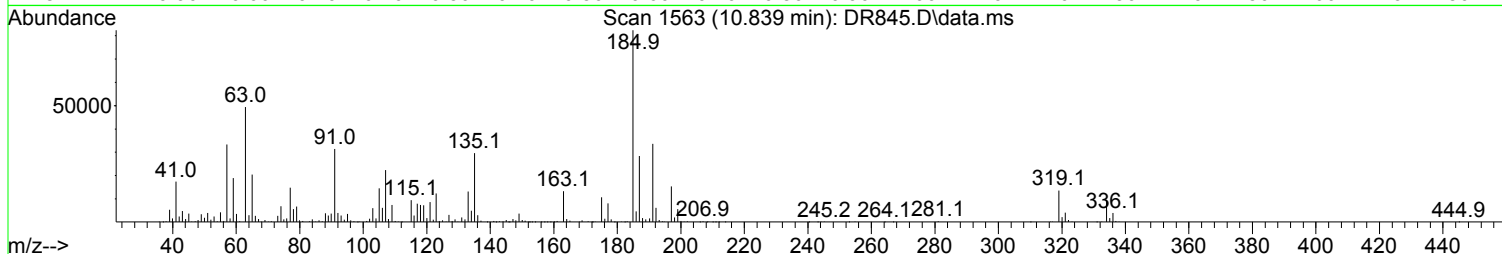
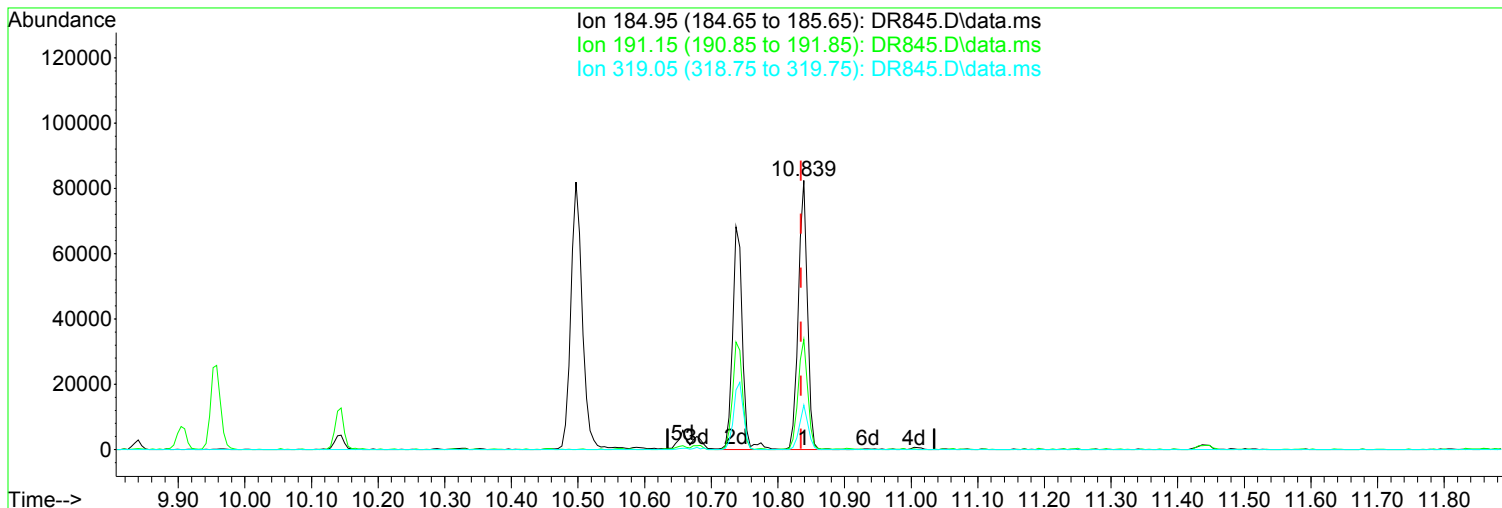
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Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 102.06 ppm m

After

response 147188

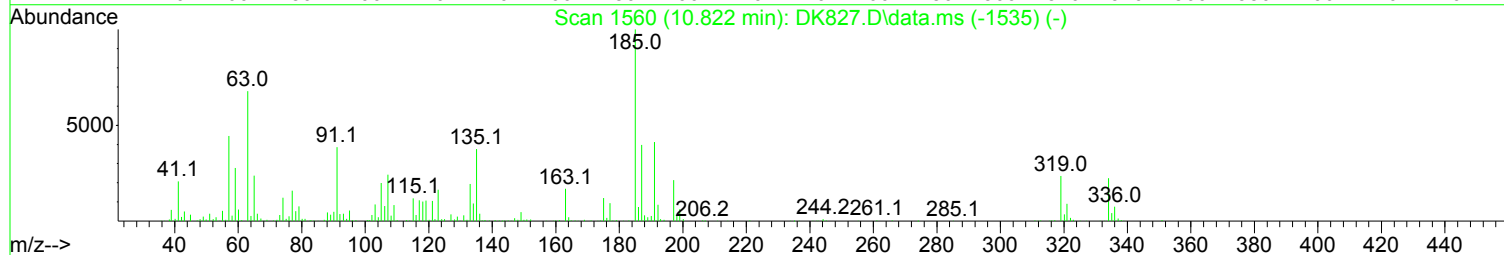
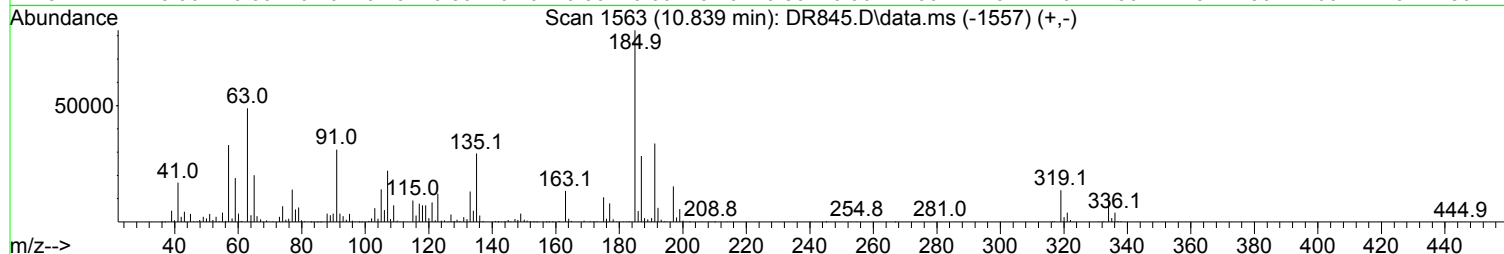
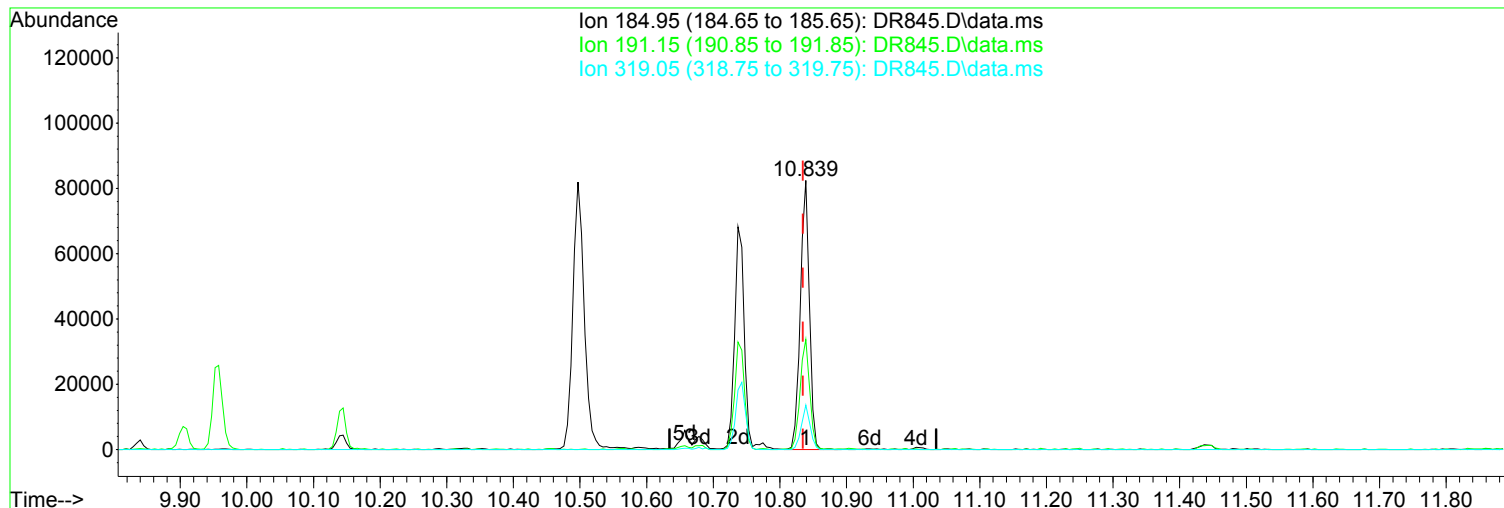
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.89
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 54.24 ppm

Before

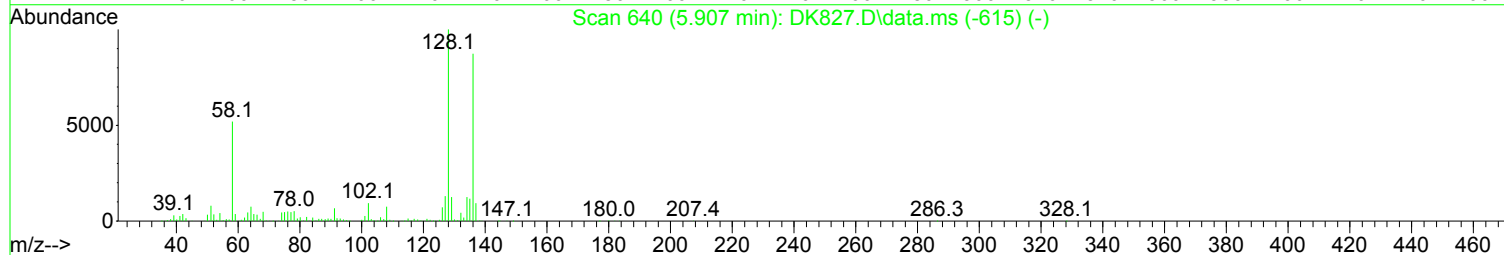
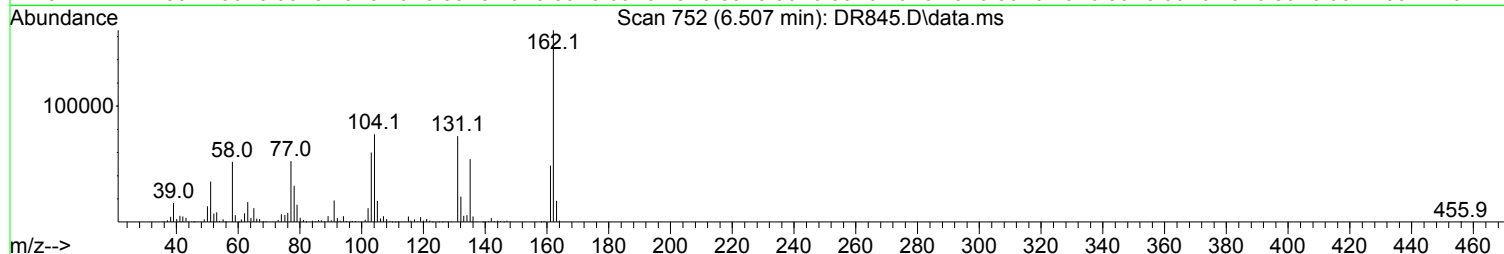
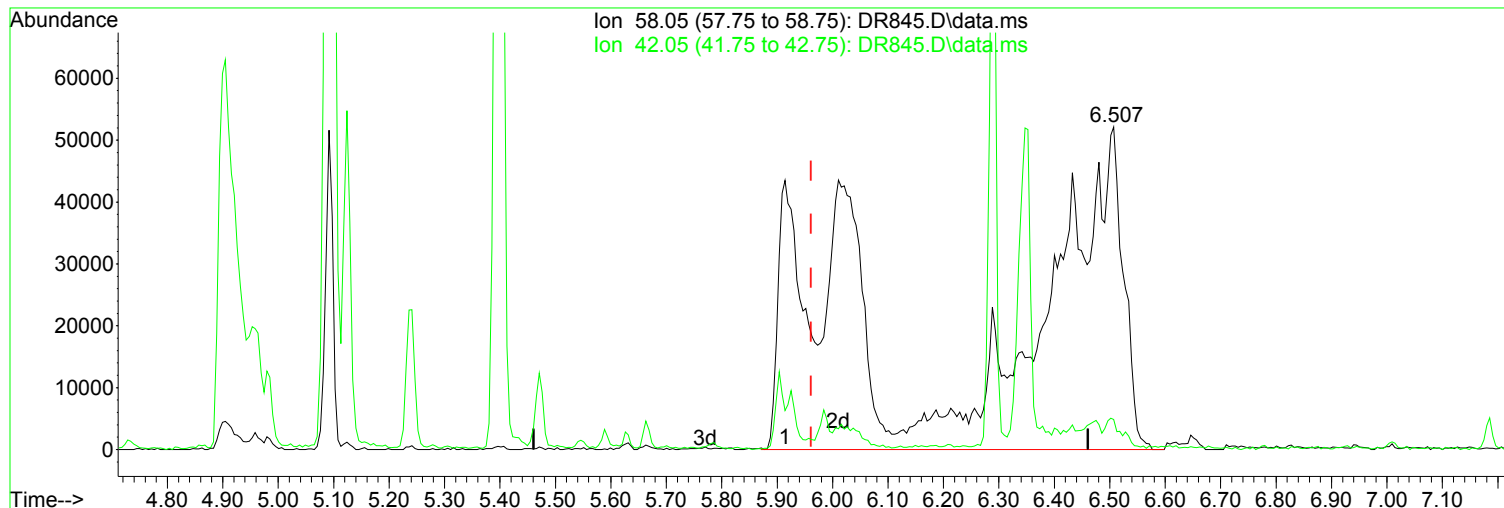
response 78224

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.65
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.507min (+ 0.546) 99.84 ppm m

After

response 796456

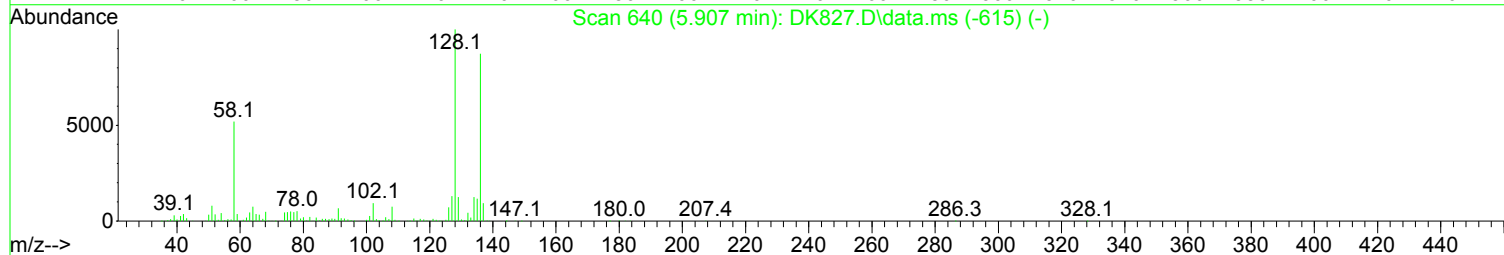
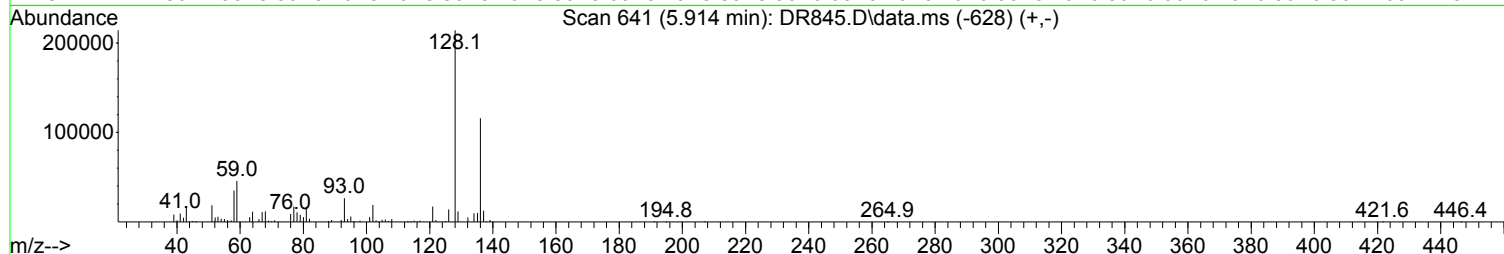
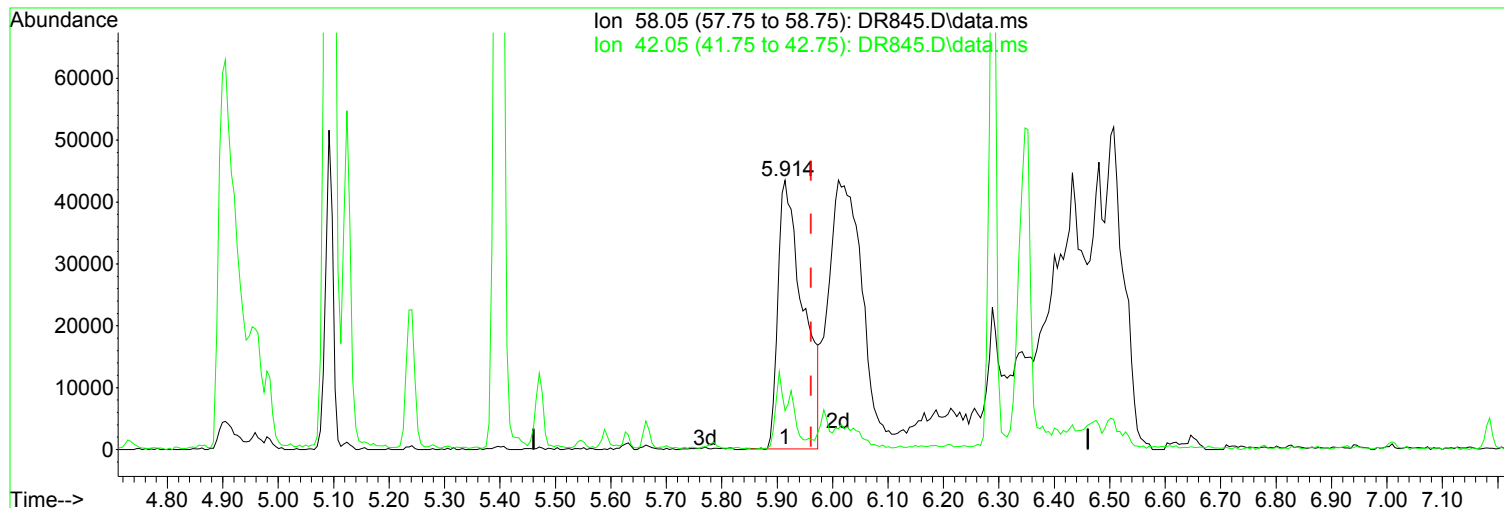
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.914min (-0.047) 17.09 ppm

Before

response 136308

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	13.79
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	109457	40.00	ppm	0.00	
33) d8-Naphthalene	5.904	136	420623	40.00	ppm	0.00	
57) d10-Acenaphthene	7.613	164	206728	40.00	ppm	0.00	
91) d10-Phenanthrene	9.087	188	321848	40.00	ppm	0.00	
117) d12-Chrysene	12.361	240	286588	40.00	ppm	0.00	
135) d12-Perylene	15.293	264	283552	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	397380	99.81	ppm	0.00	
Spiked Amount 100.000	Range 10	- 70	Recovery =	99.81%#			
12) SURR2,PHENOL-D6	4.424	99	495554	101.31	ppm	0.00	
Spiked Amount 100.000	Range 10	- 107	Recovery =	101.31%			
34) SURR4,NITROBENZENE-D5	5.241	82	399227	93.53	ppm	0.00	
Spiked Amount 50.000	Range 31	- 110	Recovery =	187.06%#			
63) SURR5,2-FLUOROBIPHENYL	6.945	172	757488	96.36	ppm	0.00	
Spiked Amount 50.000	Range 31	- 118	Recovery =	192.72%#			
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	82636	97.62	ppm	0.00	
Spiked Amount 100.000	Range 35	- 141	Recovery =	97.62%			
124) SURR6,TERPHENYL-D14	10.775	244	685479	101.53	ppm	0.00	
Spiked Amount 50.000	Range 10	- 165	Recovery =	203.06%#			
Target Compounds							
							Qvalue
2) Pyridine	2.608	79	445323	105.997	ppm		99
3) N-Nitrosodimethylamine	2.581	74	269479	105.459	ppm		96
4) 2-Picoline	3.190	93	427285	98.288	ppm		96
5) N-Nitrosomethylamine	3.276	42	171847	97.237	ppm		90
6) Methyl Methansulfonate	3.521	80	204172	103.098	ppm		97
8) N-Nitrosodiethylamine	3.831	102	195112	100.506	ppm		98
9) Ethyl Mathanesulfonate	4.077	79	322226	96.288	ppm		99
10) Benzaldehyde	4.365	106	266582	95.210	ppm		99
11) Aniline	4.456	93	631154	101.107	ppm		100
13) Phenol	4.435	94	531699	99.395	ppm		98
14) bis(2-Clethyl)Ether	4.494	93	352753	95.305	ppm		99
15) Pentachloroethane	4.488	117	145001	97.299	ppm		93
16) 2-Chlorophenol	4.563	128	420052	99.965	ppm		99
17) 1,3-Diclbzene	4.680	146	434762	99.420	ppm		99
18) 1,4-Dichlorobenzene	4.750	146	439505	98.210	ppm		97
19) 1,2-Diclbzene	4.883	146	424944	99.381	ppm		99
20) Benzyl Alcohol	4.862	79	297009	104.365	ppm		99
21) 1-Methyl-2-pyrrolidinone	4.905	99	266137	102.322	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.964	45	344701	96.921	ppm		96
23) 2-Methylphenol	4.980	108	360667	95.659	ppm		99
24) 3+4-Methylphenol	5.113	108	417136	97.783	ppm		98
25) Acetophenone	5.097	105	508872	96.038	ppm		98
26) N-Nitroso-Di-n-propyla...	5.092	70	278889	97.591	ppm		100
27) N-Nitrosopyrrolidine	5.097	100	202587	97.490	ppm		89
28) N-Nitrosomorpholine	5.124	56	195131	95.397	ppm		98
29) o-Toluidine	5.129	106	581032	98.747	ppm		93
30) Hexachloroethane	5.183	117	168352	97.737	ppm		98
31) o,o,o-Triethylphosphor...	5.631	198	177230	98.792	ppm		98
32) Alpha-terpinol	5.925	121	136732	97.814	ppm		97
35) Nitrobenzene	5.257	77	398508	92.966	ppm		98
36) N-Nitrosopiperidine	5.396	42	225618	96.822	ppm		94
37) Isophorone	5.471	82	684183	95.744	ppm		99
38) 2-Nitrophenol	5.546	139	219228	98.836	ppm		100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	389988	97.632	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.663	93	407625	97.018	ppm	99
41) Benzoic Acid	5.701	105	181841	100.750	ppm	98
42) 2,4-Dichlorophenol	5.786	162	316719	100.105	ppm	99
43) a,a-Dimethylphenethyla...	6.507	58	796456m	99.839	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	322841	96.777	ppm	98
45) Naphthalene	5.925	128	1106685	95.460	ppm	99
46) 4-Chloroaniline	5.984	127	472643	97.432	ppm	98
47) 2,6-Dichlorophenol	5.989	162	330909	100.018	ppm	97
48) Hexachlorobutadiene	6.026	225	159911	94.608	ppm	100
49) Hexachloropropene	6.000	213	204175	96.678	ppm	99
50) 4-Chloro-3-methylphenol	6.470	107	309999	98.262	ppm	85
51) N-N-di-n-butylamine	6.288	84	240177	95.838	ppm	96
52) Caprolactam	6.352	113	118294	94.327	ppm	98
53) p-Phenylenediamine	6.342	80	79871	96.437	ppm	93
54) Safrole	6.502	162	301477	101.310	ppm	95
55) 2-Methylnaphthalene	6.593	142	721249	96.126	ppm	98
56) 1-Methylnaphthalene	6.689	142	678178	96.615	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	151756	101.110	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.753	216	299645	98.483	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.031	216	312004	97.384	ppm	99
61) 2,4,6-Trichlorophenol	6.876	196	199664	103.607	ppm	93
62) 2,4,5-Trichlorophenol	6.929	196	211791	102.179	ppm	97
64) Isosafrole	7.009	104	127160	95.643	ppm	98
65) 1,1'-Biphenyl	7.047	154	886702	96.823	ppm	99
66) 2-Chloronaphthalene	7.068	162	634011	95.784	ppm	98
67) 2-Nitroaniline	7.185	65	173788	91.851	ppm	98
68) 1,4-Naphthoquinone	7.255	158	199712	96.109	ppm	84
69) m-Dinitrobenzene	7.399	168	130927	100.677	ppm	100
70) Acenaphthylene	7.479	152	1021941	96.391	ppm	100
71) Dimethyl phthalate	7.346	163	711077	91.884	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	174278	99.195	ppm	96
73) Acenaphthene	7.645	153	709785	96.239	ppm	99
74) 3-Nitroaniline	7.597	138	200747	99.394	ppm	96
75) 2,4-Dinitrophenol	7.704	184	73107	101.037	ppm	94
76) Dibenzofuran	7.816	168	883878	97.051	ppm	98
77) 2,4-Dinitrotoluene	7.821	165	233202	100.502	ppm	92
78) 4-Nitrophenol	7.810	65	131899	97.708	ppm	# 62
79) Pentachlorobenzene	7.773	250	241221	98.927	ppm	98
80) 1-Naphthylamine	7.907	143	445596	92.907	ppm	99
81) 2-Naphthylamine	7.987	143	589167	96.405	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.949	232	145153	102.482	ppm	97
83) Fluorene	8.158	166	709836	94.795	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	287226	95.079	ppm	99
85) Diethylphthalate	8.040	149	741803	96.789	ppm	98
86) 4-Nitroaniline	8.211	138	202375	101.585	ppm	96
87) 5-Nitro-o-toluidine	8.190	152	227934	100.785	ppm	98
89) Sulfotepp	8.419	322	92607	96.814	ppm	95
90) Octachlorocyclopentene	8.393	307	98252	100.901	ppm	96
92) Thionazin	8.120	107	118942	94.198	ppm	98
93) 4,6-Dinitro-2-methylph...	8.227	198	129465	104.354	ppm	97
94) Diphenylamine	8.275	169	1088988	191.476	ppm	98
95) 1,2 Diphenylhydrazine	8.307	77	654364	91.163	ppm	95
96) N-Nitrosodiphenylamine	8.275	169	1088988	191.476	ppm	98
97) 1,3,5-Trinitrobenzene	8.606	74	101938	99.308	ppm	94
98) Diallate	8.547	86	262442	90.469	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

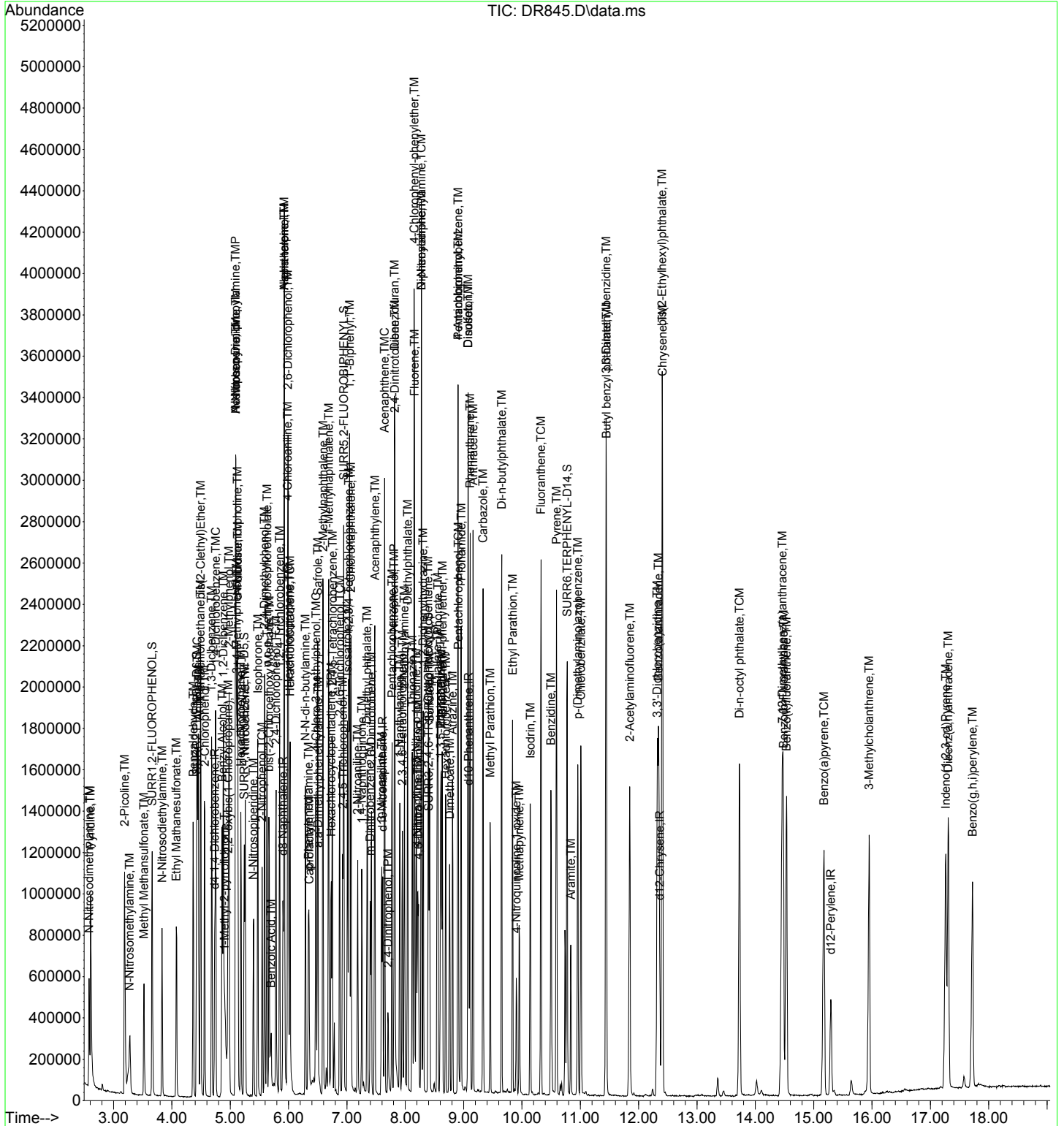
Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	137502	92.367	ppm	97
100) Phenacetin	8.617	108	368881	98.359	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	158468	94.164	ppm	97
102) Hexachlorobenzene	8.697	284	173023	91.425	ppm	94
103) Dimethoate	8.761	87	225714	91.785	ppm	98
104) Atrazine	8.809	215	88572	96.249	ppm	98
105) Pentachlorophenol	8.911	266	73288	99.843	ppm	97
106) 4-Aminobiphenyl	8.905	169	575554	99.594	ppm	99
107) Pentachloronitrobenzene	8.905	237	73107	104.565	ppm	99
108) Pronamide	8.959	173	341727	103.848	ppm	99
109) Dinoseb	9.076	211	166760	102.124	ppm	96
110) Disulfoton	9.076	88	333707	89.447	ppm	98
111) Phenanthrene	9.114	178	986591	96.930	ppm	100
112) Anthracene	9.162	178	981876	97.088	ppm	99
113) Carbazole	9.333	167	968432	97.485	ppm	100
114) Di-n-butylphthalate	9.653	149	1276686	99.428	ppm	99
115) 4-Nitroquinonline-1-oxide	9.904	190	66597	110.617	ppm	97
116) Fluoranthene	10.326	202	1048290	100.601	ppm	100
118) Methyl Parathion	9.455	109	222878	98.095	ppm	99
119) Ethyl Parathion	9.840	97	167044	98.404	ppm	96
120) Methapyrilene	9.952	58	234558	94.983	ppm	100
121) Isodrin	10.144	193	106211	101.362	ppm	98
122) Benzidine	10.497	184	692387	102.962	ppm	100
123) Pyrene	10.593	202	1088946	103.474	ppm	99
125) Aramite	10.839	185	147188m	102.058	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	335183	107.210	ppm	94
127) Chlorobenzilate	11.010	139	375294	102.753	ppm	99
128) Butyl benzyl phthalate	11.448	149	579692	99.296	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	663318	103.626	ppm	99
130) 2-Acetylaminofluorene	11.848	181	484732	103.964	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	385310	101.079	ppm	98
132) Benzo(a)anthracene	12.340	228	945968	97.209	ppm	99
133) Chrysene	12.409	228	871230	97.318	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.404	149	798808	99.420	ppm	99
136) Di-n-octyl phthalate	13.728	149	1386478	103.031	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.460	256	436078	101.732	ppm	97
138) Benzo(b)Fluoranthene	14.481	252	945047	100.153	ppm	99
139) Benzo(k)fluoranthene	14.535	252	894547	100.094	ppm	99
140) Benzo(a)pyrene	15.176	252	833780	102.747	ppm	99
141) 3-Methylcholanthrene	15.950	268	482327	101.485	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.264	276	791258	99.427	ppm	95
143) Dibenz(a,h)anthracene	17.307	278	812957	97.497	ppm	99
144) Benzo(g,h,i)perylene	17.723	276	654462	95.419	ppm	97

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

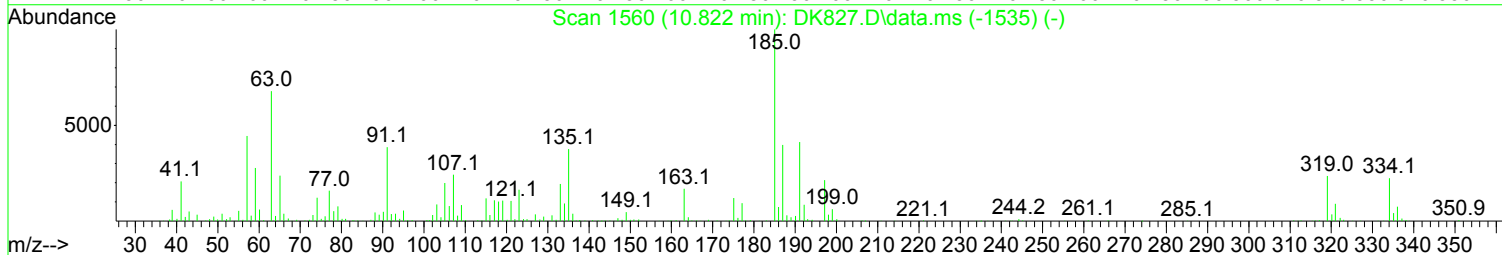
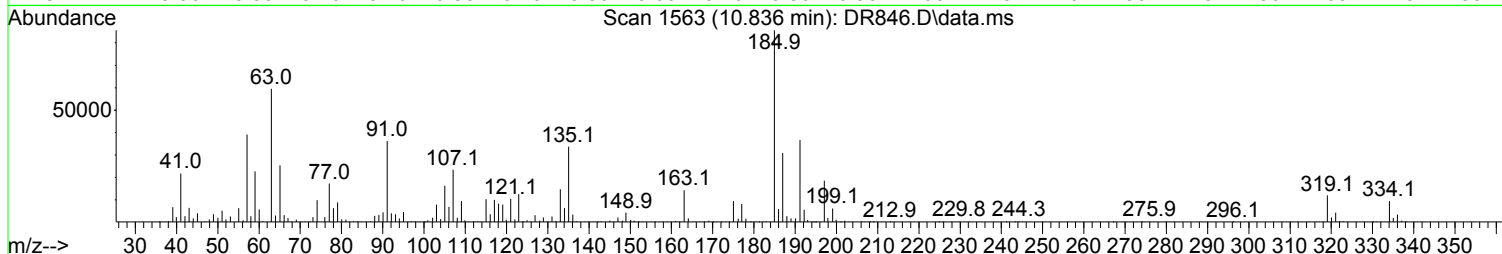
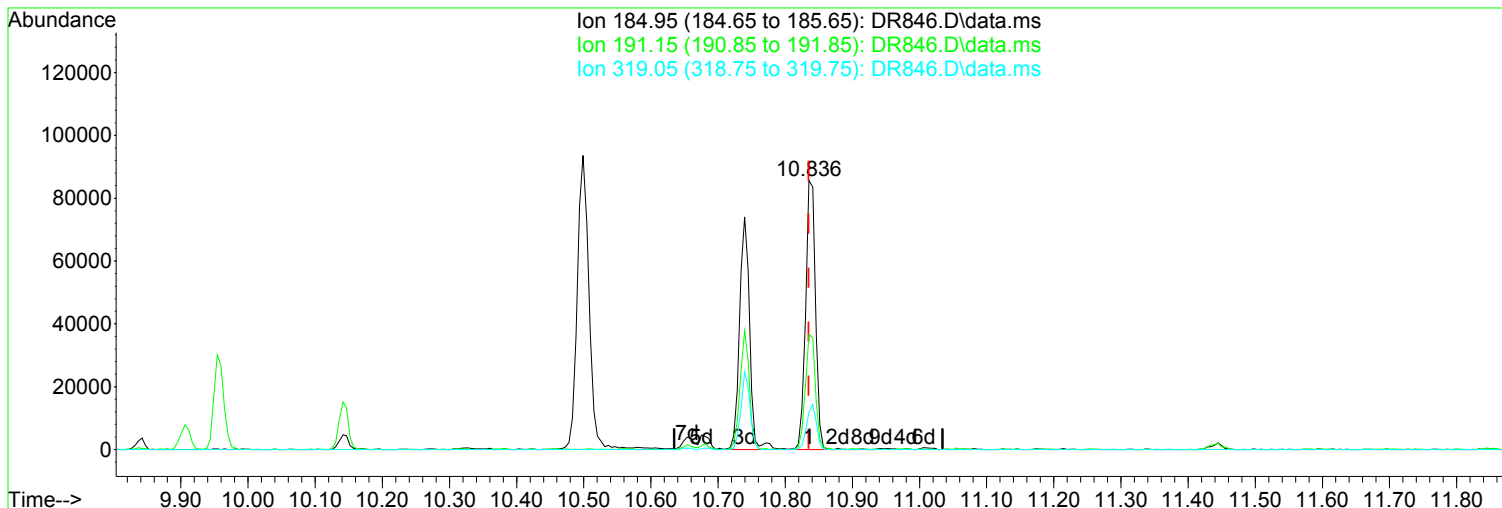
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 115.63 ppm m

After

response 164803

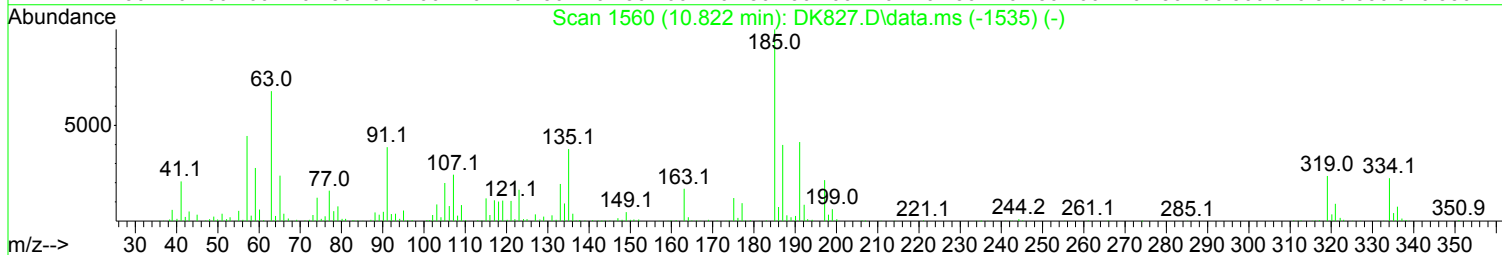
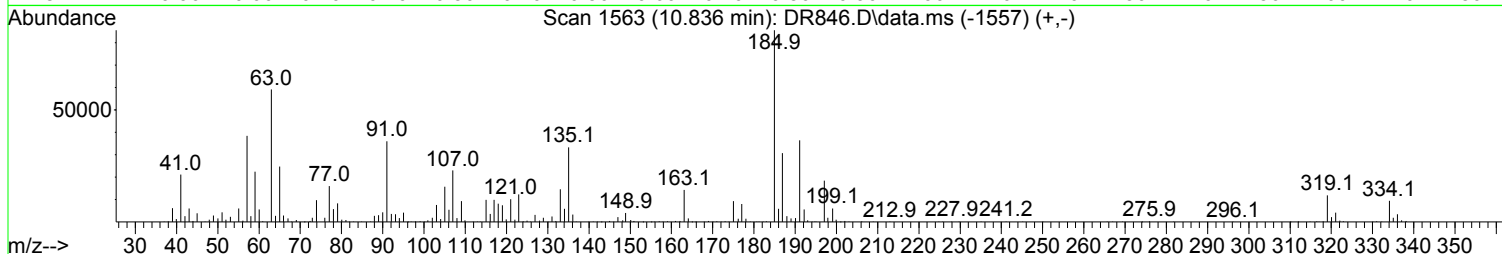
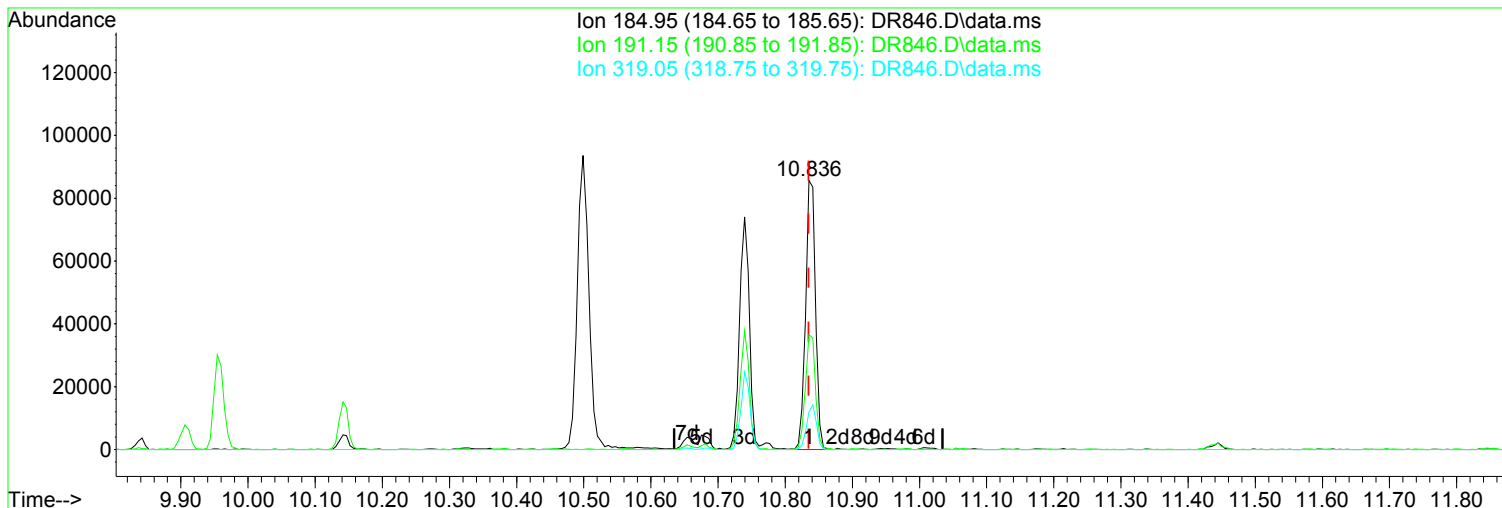
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.74
319.05	16.80	13.91
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 61.01 ppm

Before

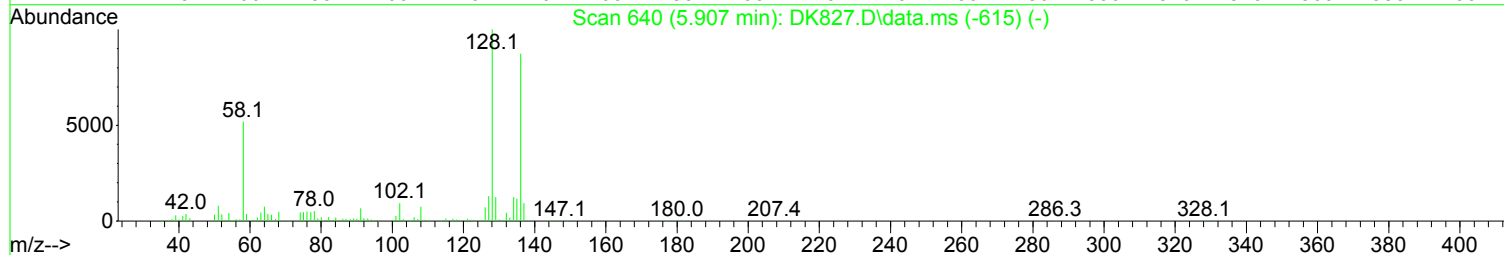
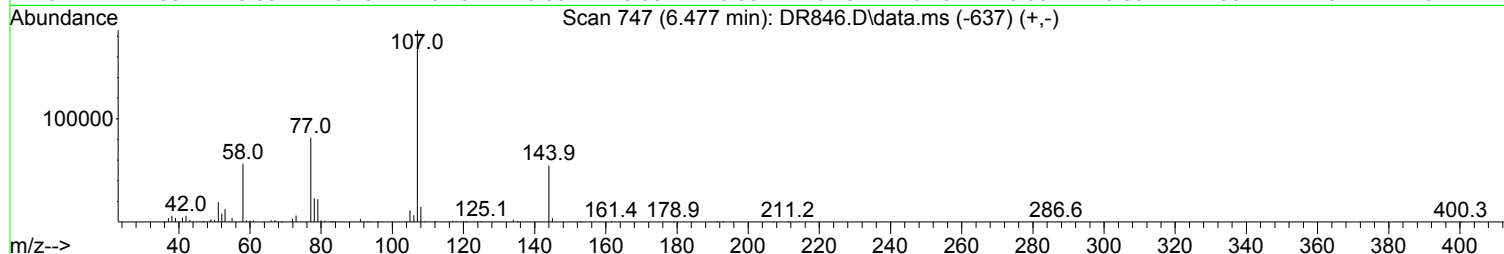
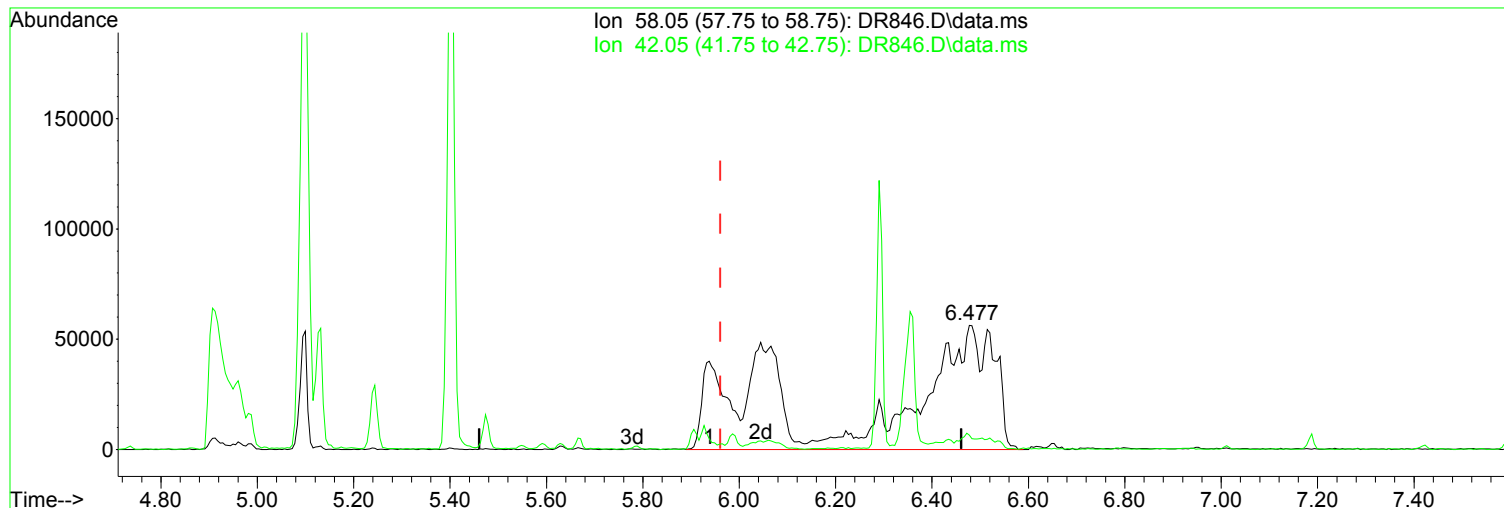
response 86950

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.61
319.05	16.80	13.92
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.477min (+ 0.516) 113.34 ppm m

After

response 906641

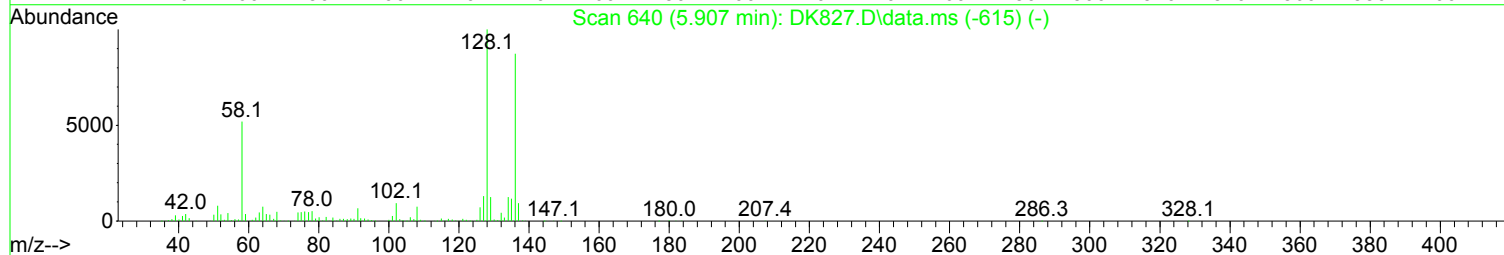
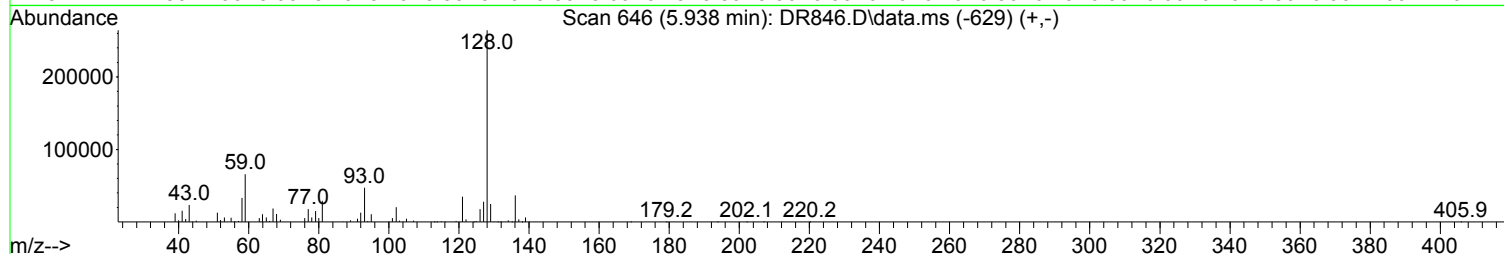
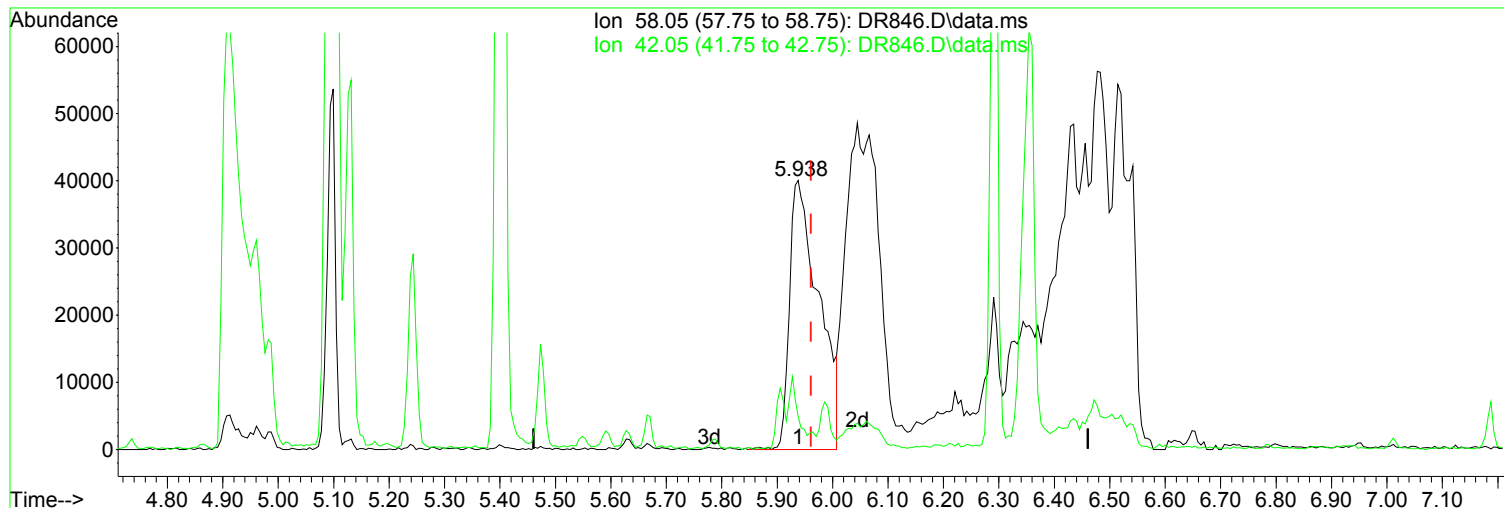
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	11.47
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.938min (-0.023) 18.38 ppm

Before

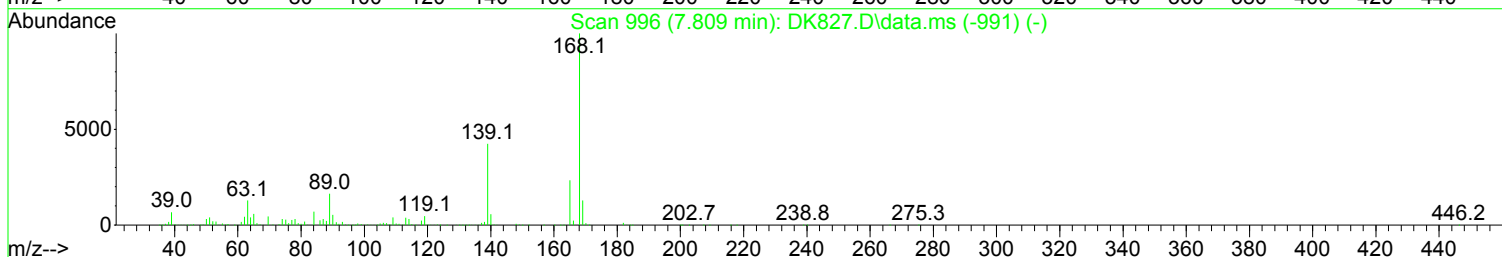
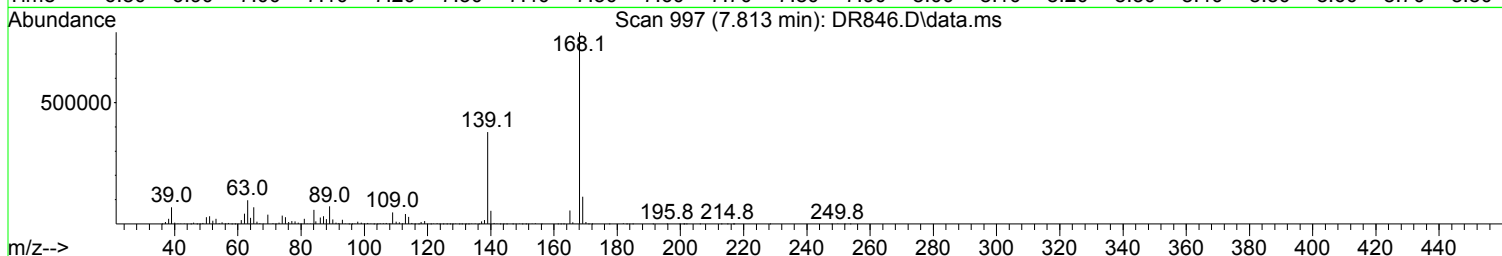
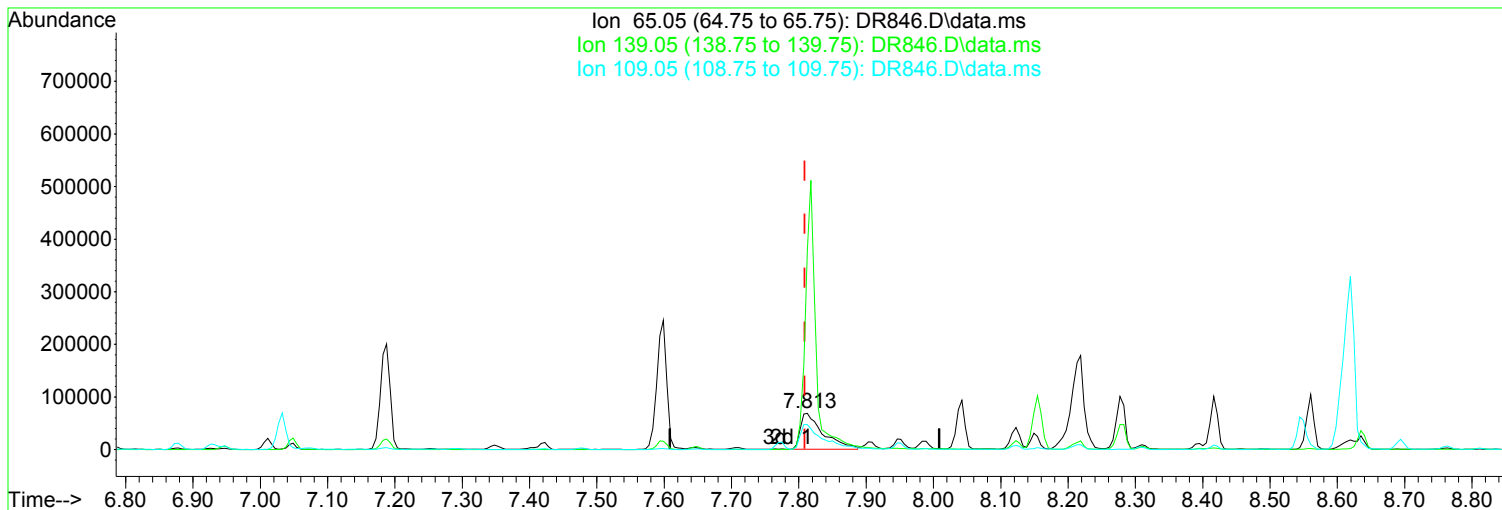
response 146998

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	12.27
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 123.14 ppm m

After

response 159403

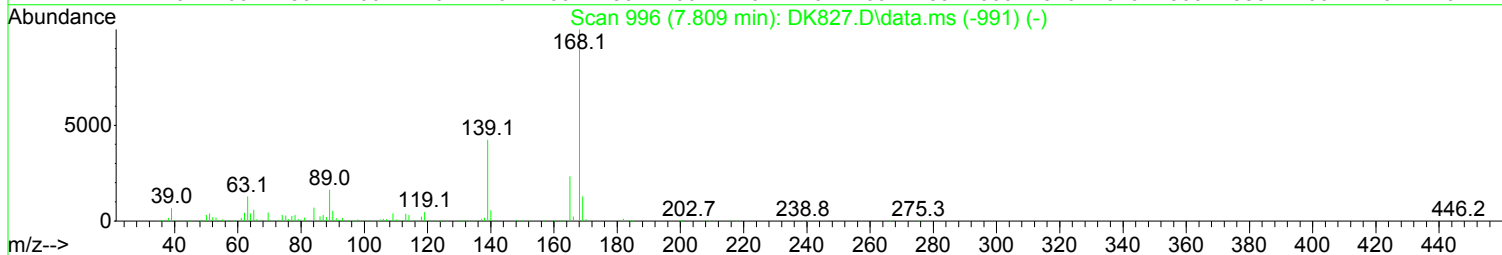
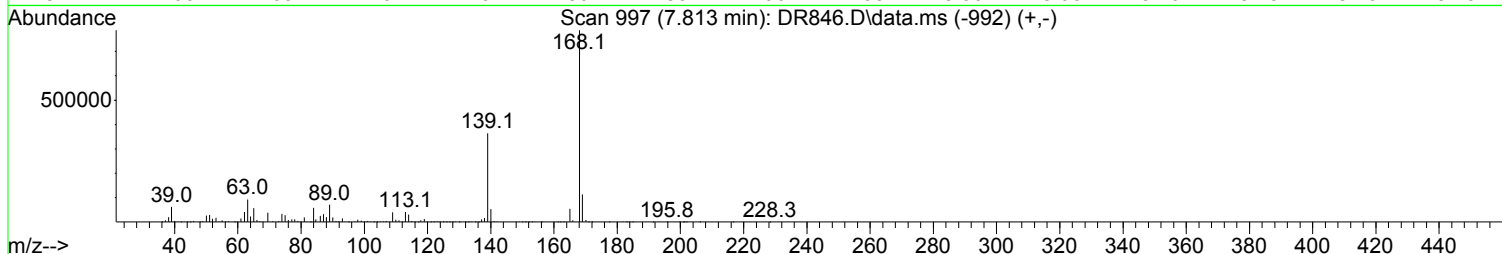
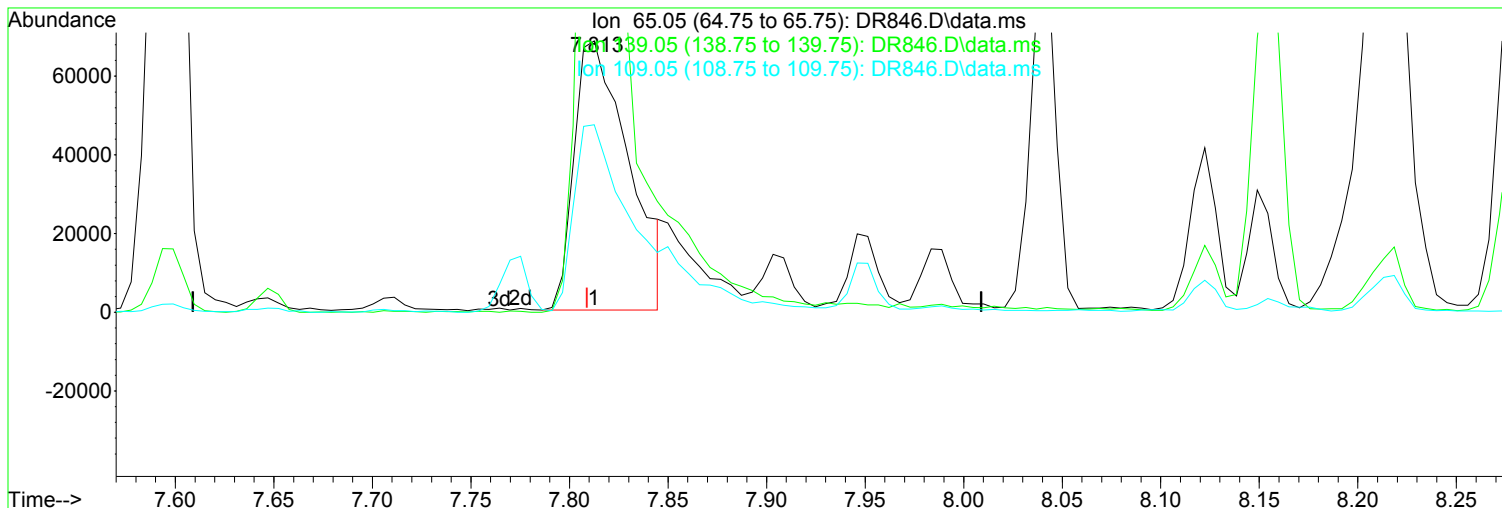
Poor integration.

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	548.70#
109.05	68.90	69.10
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)			Manual Integration:
7.813min (+ 0.004)	101.36 ppm		Before
response	131217		
Ion	Exp%	Act%	05/01/19
65.05	100.00	100.00	
139.05	423.70	641.26#	
109.05	68.90	69.85	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108526	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	421788	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	198246	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	316717	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	283220	40.00	ppm	0.00
135) d12-Perylene	15.295	264	278222	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	454937	115.25	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	115.25%#
12) SURR2,PHENOL-D6	4.426	99	576105	118.79	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	118.79%#
34) SURR4,NITROBENZENE-D5	5.243	82	458691	107.17	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	214.34%#
63) SURR5,2-FLUOROBIPHENYL	6.947	172	867102	115.02	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	230.04%#
88) SURR3,2,4,6-TRIBROMOPH...	8.405	330	97368	119.94	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	119.94%
124) SURR6,TERPHENYL-D14	10.771	244	783292	117.40	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	234.80%#

Target Compounds						Qvalue
2) Pyridine	2.610	79	519246	124.653	ppm	99
3) N-Nitrosodimethylamine	2.584	74	317046	125.138	ppm	94
4) 2-Picoline	3.193	93	494192	114.653	ppm	98
5) N-Nitrosomethylamine	3.283	42	202086	115.329	ppm	98
6) Methyl Methansulfonate	3.524	80	234005	119.176	ppm	97
8) N-Nitrosodiethylamine	3.833	102	225841	117.333	ppm	100
9) Ethyl Mathanesulfonate	4.084	79	372160	112.164	ppm	95
10) Benzaldehyde	4.368	106	304075	109.532	ppm	97
11) Aniline	4.458	93	718352	116.063	ppm	99
13) Phenol	4.442	94	621502	117.179	ppm	97
14) bis(2-Clethyl)Ether	4.496	93	406585	110.792	ppm	98
15) Pentachloroethane	4.496	117	169837	114.942	ppm	98
16) 2-Chlorophenol	4.565	128	485467	116.524	ppm	99
17) 1,3-Diclbzene	4.688	146	505993	116.702	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	513454	115.719	ppm	99
19) 1,2-Diclbzene	4.886	146	483205	113.976	ppm	98
20) Benzyl Alcohol	4.864	79	346386	122.760	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.907	99	307067	119.072	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.966	45	395763	112.233	ppm	96
23) 2-Methylphenol	4.987	108	425564	113.840	ppm	98
24) 3+4-Methylphenol	5.115	108	494589	116.933	ppm	99
25) Acetophenone	5.099	105	600464	114.296	ppm	99
26) N-Nitroso-Di-n-propyla...	5.099	70	315367	111.303	ppm	98
27) N-Nitrosopyrrolidine	5.105	100	238538	115.776	ppm	79
28) N-Nitrosomorpholine	5.131	56	225709	111.293	ppm	100
29) o-Toluidine	5.131	106	669441	114.748	ppm	84
30) Hexachloroethane	5.185	117	196802	115.233	ppm	98
31) o,o,o-Triethylphosphor...	5.633	198	208297	117.105	ppm	75
32) Alpha-terpinol	5.927	121	153880	111.026	ppm	97
35) Nitrobenzene	5.260	77	464373	108.033	ppm	98
36) N-Nitrosopiperidine	5.404	42	258156	110.479	ppm	96
37) Isophorone	5.473	82	793167	110.689	ppm	98
38) 2-Nitrophenol	5.548	139	259485	116.662	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	457106	114.119	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.665	93	464343	110.212	ppm	99
41) Benzoic Acid	5.708	105	224678	120.961	ppm	93
42) 2,4-Dichlorophenol	5.788	162	364629	114.930	ppm	99
43) a,a-Dimethylphenethyla...	6.477	58	906641m	113.337	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	375678	112.305	ppm	99
45) Naphthalene	5.927	128	1274063	109.595	ppm	98
46) 4-Chloroaniline	5.986	127	538310	110.662	ppm	99
47) 2,6-Dichlorophenol	5.991	162	379452	114.373	ppm	99
48) Hexachlorobutadiene	6.029	225	190652	112.484	ppm	98
49) Hexachloropropene	6.002	213	240792	113.702	ppm	99
50) 4-Chloro-3-methylphenol	6.472	107	355598	112.405	ppm	# 53
51) N-N-di-n-butylamine	6.290	84	268229	106.736	ppm	93
52) Caprolactam	6.360	113	133074	105.819	ppm	95
53) p-Phenylenediamine	6.344	80	90086	108.470	ppm	92
54) Safrole	6.504	162	342710	114.848	ppm	96
55) 2-Methylnaphthalene	6.595	142	838193	111.404	ppm	100
56) 1-Methylnaphthalene	6.691	142	777645	110.480	ppm	100
58) Hexachlorocyclopentadiene	6.734	237	177903	120.813	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.755	216	352448	120.794	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.033	216	359338	116.957	ppm	99
61) 2,4,6-Trichlorophenol	6.878	196	229769	124.330	ppm	94
62) 2,4,5-Trichlorophenol	6.931	196	236593	119.029	ppm	98
64) Isosafrole	7.011	104	144765	113.543	ppm	91
65) 1,1'-Biphenyl	7.049	154	1012306	115.268	ppm	99
66) 2-Chloronaphthalene	7.070	162	732044	115.327	ppm	97
67) 2-Nitroaniline	7.188	65	200077	110.269	ppm	98
68) 1,4-Naphthoquinone	7.257	158	232761	116.806	ppm	79
69) m-Dinitrobenzene	7.407	168	151305	121.325	ppm	86
70) Acenaphthylene	7.481	152	1169104	114.990	ppm	100
71) Dimethyl phthalate	7.348	163	822164	110.784	ppm	99
72) 2,6-Dinitrotoluene	7.423	165	192835	114.453	ppm	91
73) Acenaphthene	7.647	153	827884	117.055	ppm	99
74) 3-Nitroaniline	7.599	138	225035	116.187	ppm	97
75) 2,4-Dinitrophenol	7.711	184	89549	119.475	ppm	96
76) Dibenzofuran	7.818	168	1007846	115.398	ppm	98
77) 2,4-Dinitrotoluene	7.823	165	268846	120.821	ppm	89
78) 4-Nitrophenol	7.813	65	159403m	123.135	ppm	
79) Pentachlorobenzene	7.775	250	279097	119.358	ppm	98
80) 1-Naphthylamine	7.909	143	518022	112.629	ppm	100
81) 2-Naphthylamine	7.989	143	640752	109.331	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.951	232	170449	125.491	ppm	97
83) Fluorene	8.154	166	796933	110.980	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	330902	114.223	ppm	98
85) Diethylphthalate	8.042	149	836225	113.777	ppm	98
86) 4-Nitroaniline	8.218	138	225995	118.295	ppm	97
87) 5-Nitro-o-toluidine	8.192	152	256093	118.081	ppm	98
89) Sulfotepp	8.421	322	106798	116.427	ppm	96
90) Octachlorocyclopentene	8.395	307	112540	120.519	ppm	96
92) Thionazin	8.122	107	134270	108.059	ppm	98
93) 4,6-Dinitro-2-methylph...	8.229	198	152607	125.000	ppm	96
94) Diphenylamine	8.283	169	1247342	222.873	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	731923	103.620	ppm	98
96) N-Nitrosodiphenylamine	8.283	169	1247342	222.873	ppm	98
97) 1,3,5-Trinitrobenzene	8.608	74	120895	119.684	ppm	96
98) Diallate	8.544	86	297222	104.118	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

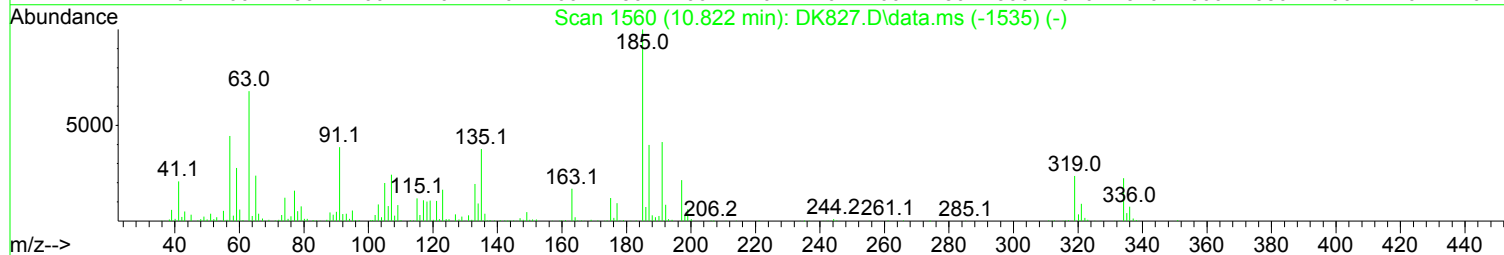
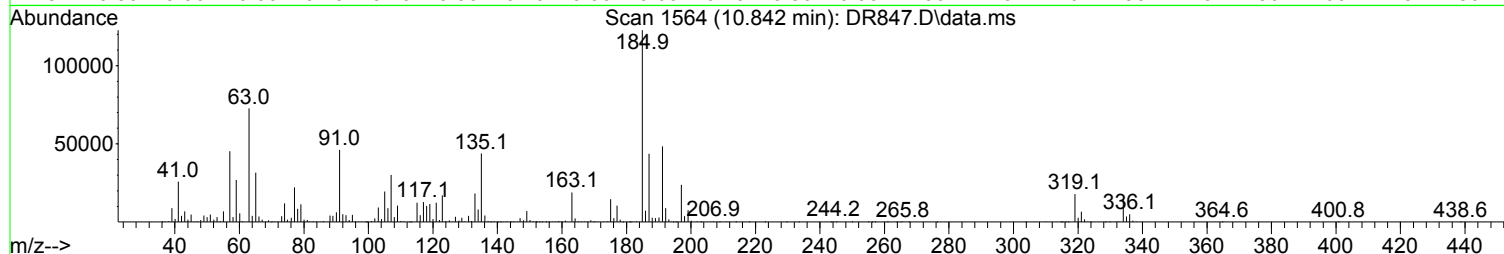
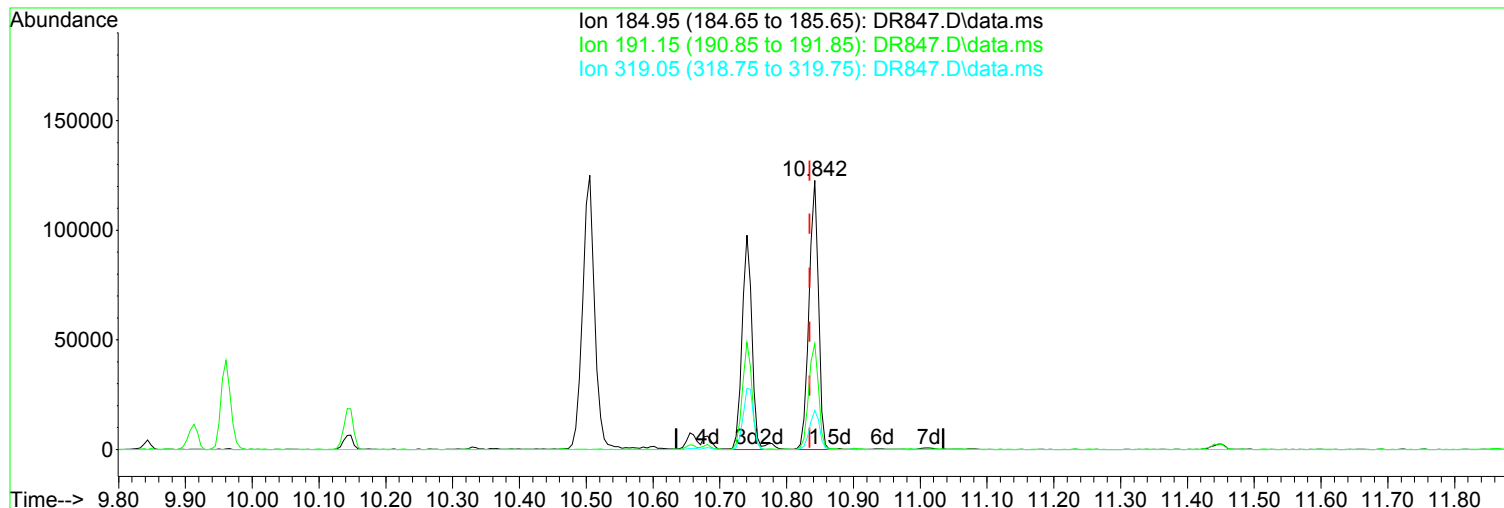
Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	156240	106.654	ppm	97
100) Phenacetin	8.619	108	422963	114.607	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	185533	112.033	ppm	95
102) Hexachlorobenzene	8.694	284	207922	111.645	ppm	96
103) Dimethoate	8.763	87	239820	99.101	ppm	95
104) Atrazine	8.811	215	97158	107.289	ppm	98
105) Pentachlorophenol	8.913	266	87474	116.357	ppm	94
106) 4-Aminobiphenyl	8.907	169	647822	113.915	ppm	99
107) Pentachloronitrobenzene	8.907	237	85992	124.987	ppm	98
108) Pronamide	8.961	173	388884	120.093	ppm	98
109) Dinoseb	9.078	211	201217	125.222	ppm	97
110) Disulfoton	9.078	88	365077	99.440	ppm	97
111) Phenanthrene	9.116	178	1121387	111.958	ppm	100
112) Anthracene	9.164	178	1127947	113.338	ppm	99
113) Carbazole	9.335	167	1111057	113.654	ppm	99
114) Di-n-butylphthalate	9.650	149	1456330	115.256	ppm	99
115) 4-Nitroquinonline-1-oxide	9.906	190	75875	128.069	ppm	95
116) Fluoranthene	10.328	202	1210296	118.030	ppm	98
118) Methyl Parathion	9.458	109	248242	110.558	ppm	96
119) Ethyl Parathion	9.837	97	191236	113.995	ppm	96
120) Methapyrilene	9.954	58	264413	108.346	ppm	98
121) Isodrin	10.141	193	121906	117.724	ppm	94
122) Benzidine	10.499	184	780445	117.437	ppm	100
123) Pyrene	10.595	202	1249632	120.155	ppm	100
125) Aramite	10.836	185	164803m	115.631	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	367992	119.104	ppm	93
127) Chlorobenzilate	11.012	139	428347	118.673	ppm	95
128) Butyl benzyl phthalate	11.444	149	655211	113.566	ppm	96
129) 3,3-Dimethylbenzidine	11.444	212	750861	118.697	ppm	99
130) 2-Acetylaminofluorene	11.850	181	551421	119.674	ppm	99
131) 3,3'-Dichlorobenzidine	12.320	252	434778	115.412	ppm	99
132) Benzo(a)anthracene	12.342	228	1088913	113.229	ppm	100
133) Chrysene	12.406	228	1002727	113.339	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.406	149	910566	114.677	ppm	98
136) Di-n-octyl phthalate	13.730	149	1579048	119.589	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.462	256	497457	118.274	ppm	96
138) Benzo(b)Fluoranthene	14.484	252	1096951	118.479	ppm	99
139) Benzo(k)fluoranthene	14.537	252	1027467	117.170	ppm	100
140) Benzo(a)pyrene	15.178	252	962240	120.849	ppm	99
141) 3-Methylcholanthrene	15.952	268	561138	120.330	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.266	276	891352	114.151	ppm	99
143) Dibenz(a,h)anthracene	17.309	278	935919	114.394	ppm	98
144) Benzo(g,h,i)perylene	17.720	276	757379	112.539	ppm	99

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.842min (+ 0.007) 149.37 ppm m

After

response 222547

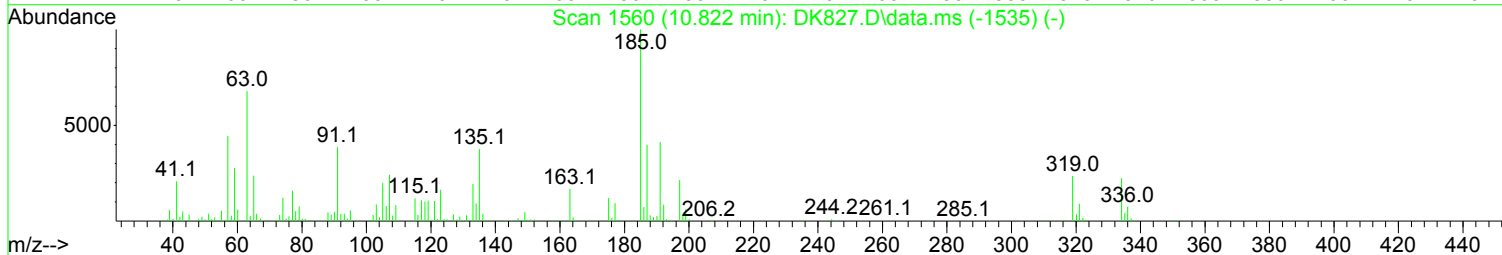
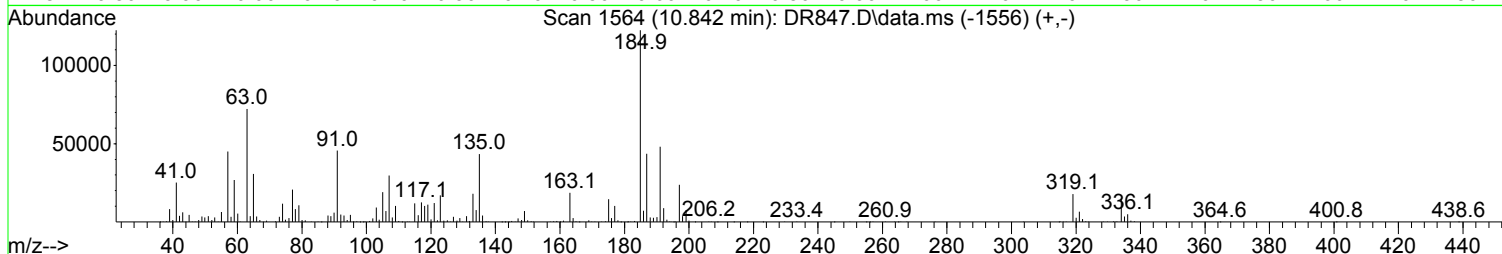
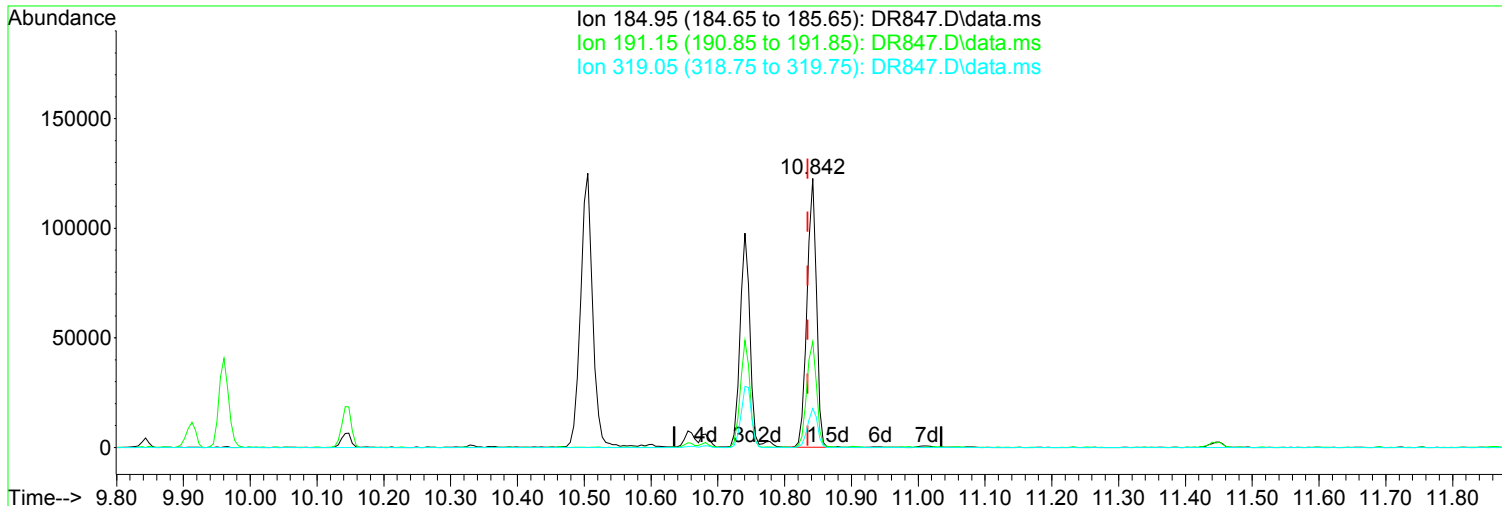
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.42
319.05	16.80	14.54
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.842min (+ 0.007) 79.72 ppm

Before

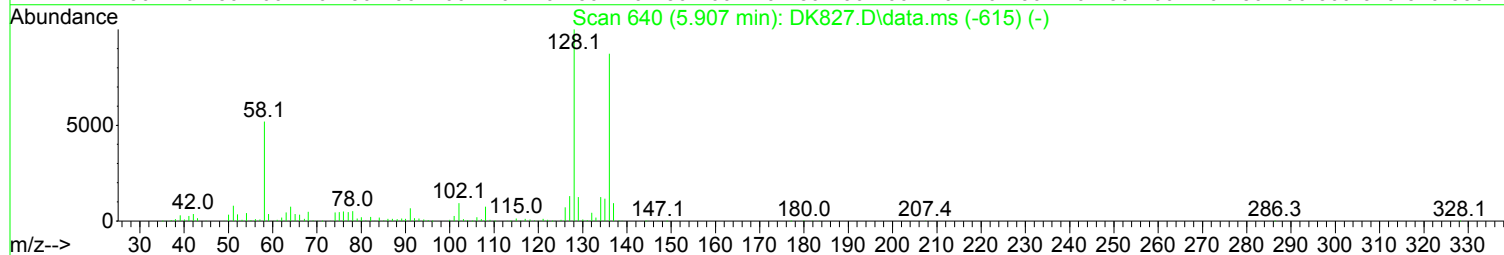
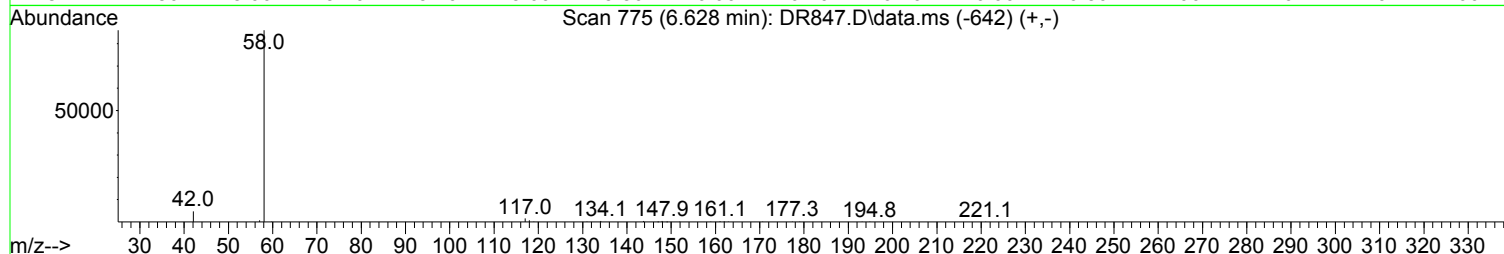
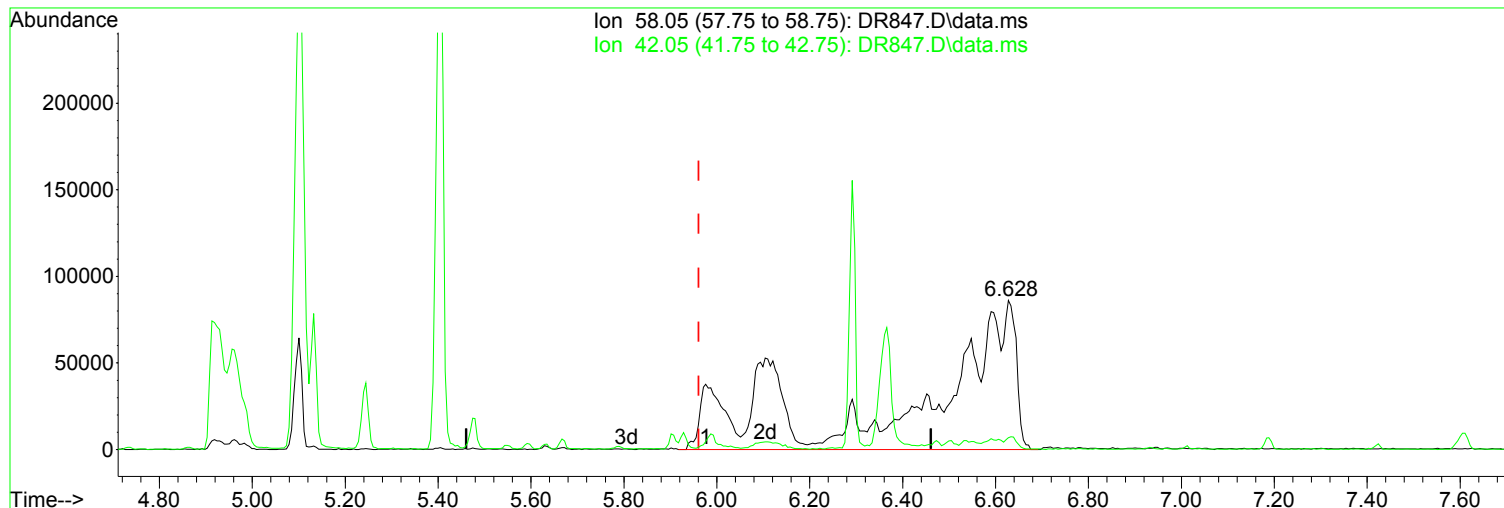
response 118774

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.23
319.05	16.80	14.55
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.628min (+ 0.667) 158.32 ppm m

After

response 1186973

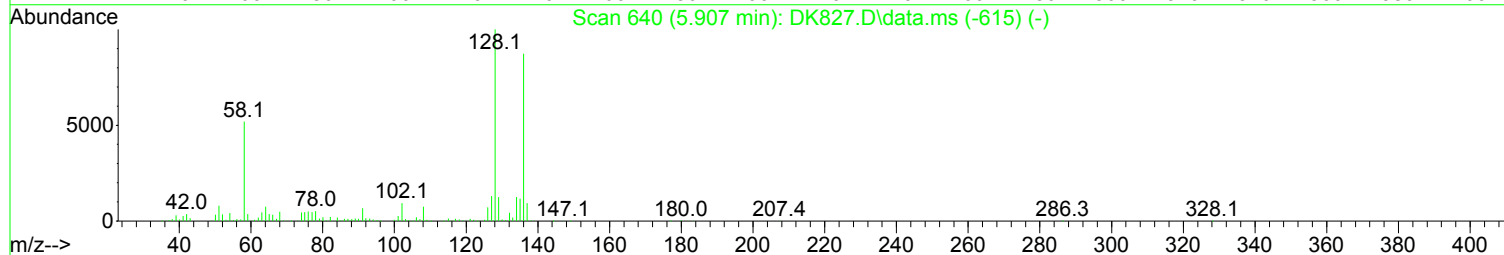
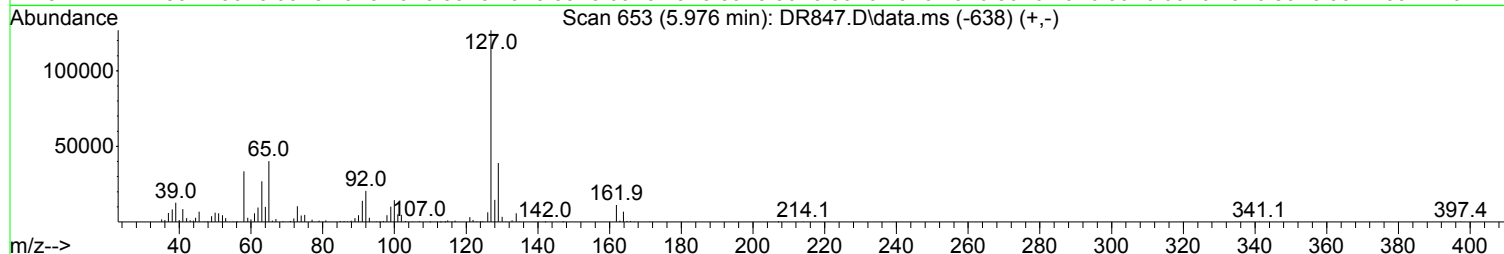
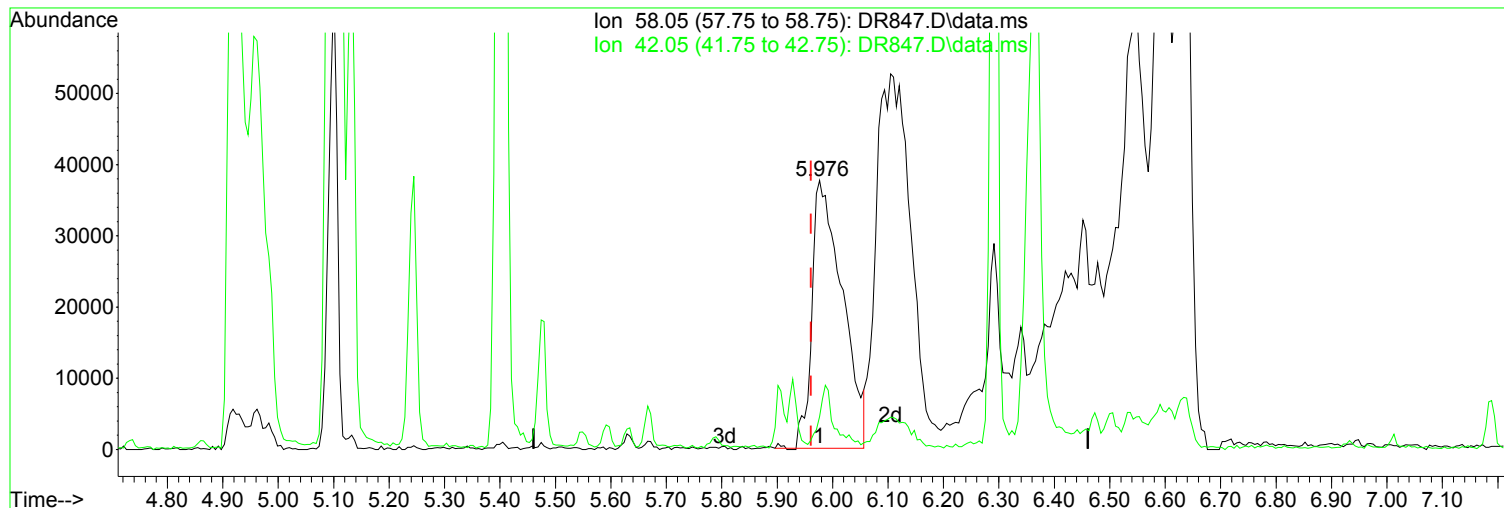
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.03
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.976min (+ 0.015) 19.11 ppm

Before

response 143240

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.83
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	107426	40.00	ppm	0.00
33) d8-Naphthalene	5.907	136	395308	40.00	ppm	0.00
57) d10-Acenaphthene	7.616	164	197878	40.00	ppm	0.00
91) d10-Phenanthrene	9.090	188	322947	40.00	ppm	0.00
117) d12-Chrysene	12.364	240	296067	40.00	ppm	0.00
135) d12-Perylene	15.302	264	332009	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.664	112	608061	155.62	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	155.62%#
12) SURR2,PHENOL-D6	4.427	99	758626	158.03	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	158.03%#
34) SURR4,NITROBENZENE-D5	5.245	82	617070	153.83	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	307.66%#
63) SURR5,2-FLUOROBIPHENYL	6.948	172	1176254	156.32	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	312.64%#
88) SURR3,2,4,6-TRIBROMOPH...	8.406	330	127745	157.65	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	157.65%#
124) SURR6,TERPHENYL-D14	10.773	244	1061681	152.22	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	304.44%#

Target Compounds						Qvalue
2) Pyridine	2.606	79	670462	162.603	ppm	99
3) N-Nitrosodimethylamine	2.585	74	406560	162.112	ppm	96
4) 2-Picoline	3.188	93	667773	156.511	ppm	99
5) N-Nitrosomethylamine	3.279	42	269211	155.209	ppm	90
6) Methyl Methansulfonate	3.525	80	310863	159.940	ppm	97
8) N-Nitrosodiethylamine	3.834	102	303931	159.520	ppm	99
9) Ethyl Mathanesulfonate	4.086	79	493138	150.146	ppm	95
11) Aniline	4.454	93	961565	156.950	ppm	92
13) Phenol	4.438	94	833137	158.690	ppm	98
14) bis(2-Clethyl)Ether	4.497	93	556441	153.179	ppm	98
15) Pentachloroethane	4.491	117	230404	157.529	ppm	95
16) 2-Chlorophenol	4.561	128	656827	159.269	ppm	98
17) 1,3-Diclbzene	4.684	146	676703	157.672	ppm	97
18) 1,4-Dichlorobenzene	4.748	146	692298	157.623	ppm	98
19) 1,2-Diclbzene	4.881	146	655103	156.105	ppm	99
20) Benzyl Alcohol	4.865	79	463211	165.844	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.919	99	409667	160.484	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	514904	147.514	ppm	90
23) 2-Methylphenol	4.994	108	577204	155.985	ppm	96
24) 3+4-Methylphenol	5.122	108	657927	157.143	ppm	# 72
25) Acetophenone	5.095	105	794001	152.683	ppm	98
26) N-Nitroso-Di-n-propyla...	5.100	70	422815	150.753	ppm	92
27) N-Nitrosopyrrolidine	5.111	100	317363	155.611	ppm	64
28) N-Nitrosomorpholine	5.132	56	295820	147.357	ppm	99
29) o-Toluidine	5.132	106	867984	150.303	ppm	65
30) Hexachloroethane	5.186	117	260918	154.339	ppm	96
31) o,o,o-Triethylphosphor...	5.634	198	280747	159.453	ppm	92
32) Alpha-terpinol	5.928	121	210815	153.662	ppm	97
35) Nitrobenzene	5.261	77	619095	153.675	ppm	96
36) N-Nitrosopiperidine	5.405	42	338639	154.630	ppm	95
37) Isophorone	5.480	82	1062263	158.172	ppm	98
38) 2-Nitrophenol	5.549	139	343400	164.732	ppm	97
39) 2,4-Dimethylphenol	5.592	107	611374	162.856	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.666	93	622768	157.716	ppm	98
41) Benzoic Acid	5.715	105	280167	157.176	ppm	94
42) 2,4-Dichlorophenol	5.789	162	495497	166.641	ppm	99
43) a,a-Dimethylphenethyla...	6.628	58	1186973m	158.320	ppm	
44) 1,2,4-Trichlorobenzene	5.848	180	506173	161.451	ppm	98
45) Naphthalene	5.928	128	1680600	154.248	ppm	99
46) 4-Chloroaniline	5.987	127	734901	161.196	ppm	99
47) 2,6-Dichlorophenol	5.992	162	504703	162.316	ppm	98
48) Hexachlorobutadiene	6.030	225	257216	161.922	ppm	100
49) Hexachloropropene	6.003	213	317266	159.848	ppm	100
50) 4-Chloro-3-methylphenol	6.473	107	478302	161.319	ppm	# 66
51) N-N-di-n-butylamine	6.291	84	359096	152.466	ppm	95
52) Caprolactam	6.366	113	183951	156.074	ppm	96
53) p-Phenylenediamine	6.345	80	117252	150.637	ppm	88
54) Safrole	6.505	162	466582	166.833	ppm	95
55) 2-Methylnaphthalene	6.590	142	1123252	159.291	ppm	98
56) 1-Methylnaphthalene	6.687	142	1043009	158.106	ppm	98
58) Hexachlorocyclopentadiene	6.729	237	242302	158.248	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.751	216	471103	161.760	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.034	216	487614	159.004	ppm	99
61) 2,4,6-Trichlorophenol	6.879	196	309346	167.701	ppm	96
62) 2,4,5-Trichlorophenol	6.932	196	319928	161.253	ppm	97
64) Isosafrole	7.012	104	195351	153.504	ppm	98
65) 1,1'-Biphenyl	7.050	154	1375291	156.891	ppm	99
66) 2-Chloronaphthalene	7.071	162	987748	155.900	ppm	97
67) 2-Nitroaniline	7.189	65	268685	148.357	ppm	98
68) 1,4-Naphthoquinone	7.258	158	311492	156.606	ppm	83
69) m-Dinitrobenzene	7.408	168	207668	166.830	ppm	93
70) Acenaphthylene	7.477	152	1594319	157.104	ppm	98
71) Dimethyl phthalate	7.354	163	1137321	153.536	ppm	99
72) 2,6-Dinitrotoluene	7.424	165	269608	160.318	ppm	99
73) Acenaphthene	7.648	153	1109361	157.145	ppm	98
74) 3-Nitroaniline	7.600	138	312111	161.444	ppm	99
75) 2,4-Dinitrophenol	7.712	184	133514	155.829	ppm	98
76) Dibenzofuran	7.819	168	1321531	151.596	ppm	99
77) 2,4-Dinitrotoluene	7.830	165	369292	166.271	ppm	81
78) 4-Nitrophenol	7.814	65	221767	171.628	ppm	# 49
79) Pentachlorobenzene	7.776	250	364090	155.995	ppm	99
80) 1-Naphthylamine	7.910	143	722862	157.458	ppm	100
81) 2-Naphthylamine	7.990	143	917898	156.912	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.952	232	240530	177.417	ppm	98
83) Fluorene	8.161	166	1087998	151.795	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	437923	151.446	ppm	97
85) Diethylphthalate	8.043	149	1140642	155.485	ppm	99
86) 4-Nitroaniline	8.225	138	317070	166.276	ppm	95
87) 5-Nitro-o-toluidine	8.198	152	355533	164.237	ppm	94
89) Sulfotepp	8.422	322	140492	153.444	ppm	97
90) Octachlorocyclopentene	8.396	307	145361	155.957	ppm	97
92) Thionazin	8.123	107	184713	145.788	ppm	99
93) 4,6-Dinitro-2-methylph...	8.236	198	215491	173.103	ppm	99
94) Diphenylamine	8.284	169	1684588	295.193	ppm	98
95) 1,2 Diphenylhydrazine	8.310	77	1002115	139.135	ppm	98
96) N-Nitrosodiphenylamine	8.284	169	1684588	295.193	ppm	98
97) 1,3,5-Trinirobenzene	8.620	74	193891	188.245	ppm	93
98) Diallate	8.551	86	406088	139.510	ppm	96
99) Phorate	8.561	121	218376	146.194	ppm	98

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

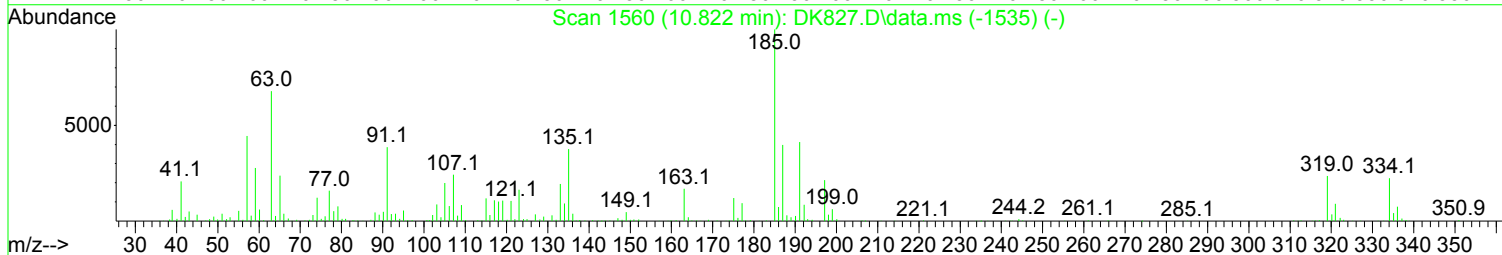
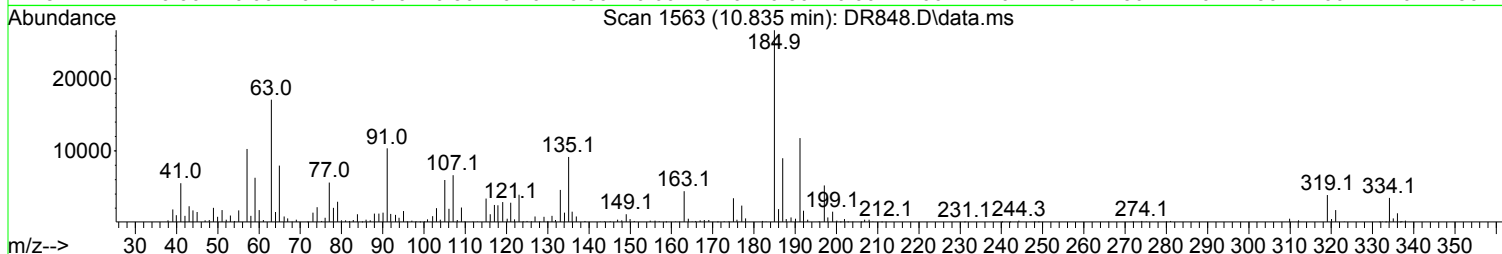
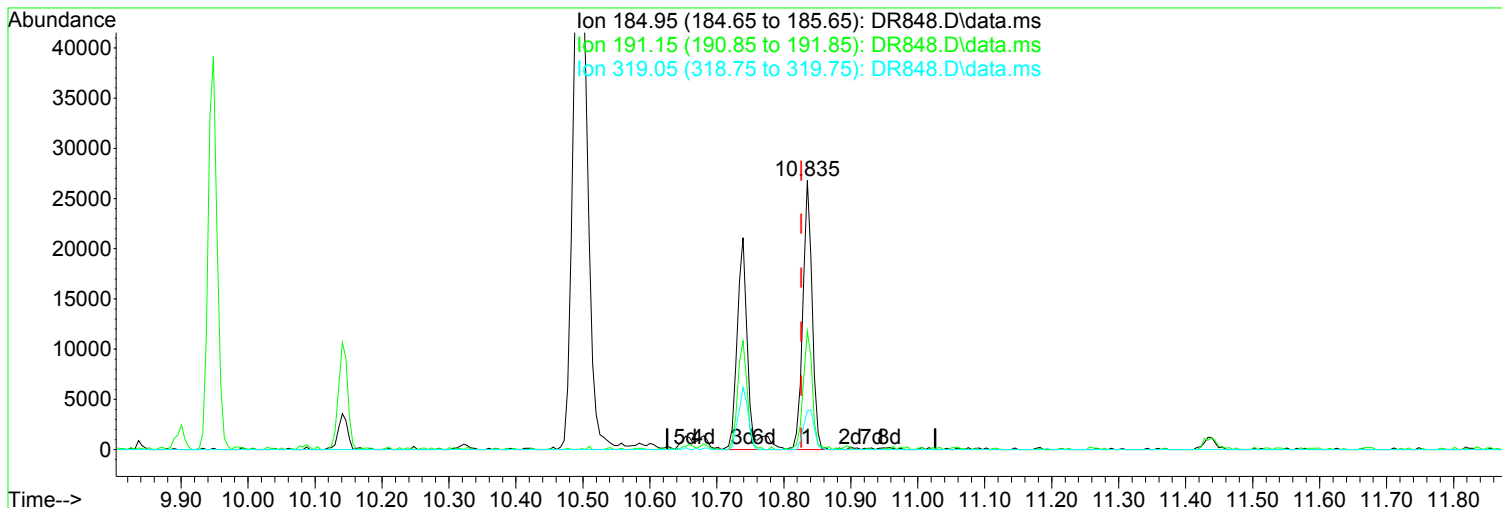
Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.631	108	571616	151.898	ppm	99
101) 4-Bromophenyl-phenylether	8.636	248	245345	145.292	ppm	93
102) Hexachlorobenzene	8.700	284	281616	148.299	ppm	95
103) Dimethoate	8.770	87	308405	124.984	ppm	96
104) Atrazine	8.818	215	126712	137.226	ppm	97
105) Pentachlorophenol	8.914	266	134956	160.028	ppm	97
106) 4-Aminobiphenyl	8.909	169	885545	152.713	ppm	99
107) Pentachloronitrobenzene	8.909	237	113391	161.631	ppm	99
108) Pronamide	8.967	173	529947	160.498	ppm	100
109) Dinoseb	9.085	211	277016	169.068	ppm	98
110) Disulfoton	9.079	88	502747	134.298	ppm	97
111) Phenanthrene	9.117	178	1530427	149.849	ppm	98
112) Anthracene	9.165	178	1544001	152.151	ppm	99
113) Carbazole	9.336	167	1530842	153.575	ppm	99
114) Di-n-butylphthalate	9.656	149	1974061	153.216	ppm	100
115) 4-Nitroquinoline-1-oxide	9.913	190	108077	178.904	ppm	95
116) Fluoranthene	10.329	202	1667235	159.454	ppm	99
118) Methyl Parathion	9.459	109	317097	135.095	ppm	96
119) Ethyl Parathion	9.843	97	263186	150.076	ppm	96
120) Methapyrilene	9.961	58	356345	139.680	ppm	94
121) Isodrin	10.142	193	165110	152.527	ppm	94
122) Benzidine	10.505	184	1080592	155.546	ppm	99
123) Pyrene	10.596	202	1701991	156.549	ppm	99
125) Aramite	10.842	185	222547m	149.371	ppm	
126) p-(Dimethylamino)azobe...	10.959	120	499434	154.632	ppm	95
127) Chlorobenzilate	11.013	139	582455	154.366	ppm	96
128) Butyl benzyl phthalate	11.451	149	898063	148.905	ppm	99
129) 3,3-Dimethylbenzidine	11.445	212	1034276	156.405	ppm	97
130) 2-Acetylaminofluorene	11.862	181	773267	160.539	ppm	98
131) 3,3'-Dichlorobenzidine	12.327	252	604354	153.465	ppm	99
132) Benzo(a)anthracene	12.348	228	1497140	148.922	ppm	100
133) Chrysene	12.412	228	1363209	147.398	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.407	149	1243376	149.796	ppm	99
136) Di-n-octyl phthalate	13.731	149	2216045	140.643	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.469	256	691326	137.739	ppm	97
138) Benzo(b)Fluoranthene	14.495	252	1533044	138.755	ppm	100
139) Benzo(k)fluoranthene	14.549	252	1400676	133.852	ppm	99
140) Benzo(a)pyrene	15.190	252	1329155	139.887	ppm	99
141) 3-Methylcholanthrene	15.959	268	753242	135.356	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.278	276	1253236	134.494	ppm	98
143) Dibenz(a,h)anthracene	17.321	278	1275460	130.639	ppm	99
144) Benzo(g,h,i)perylene	17.732	276	1027139	127.897	ppm	100

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.009) 34.50 ppm m

After

response 49320

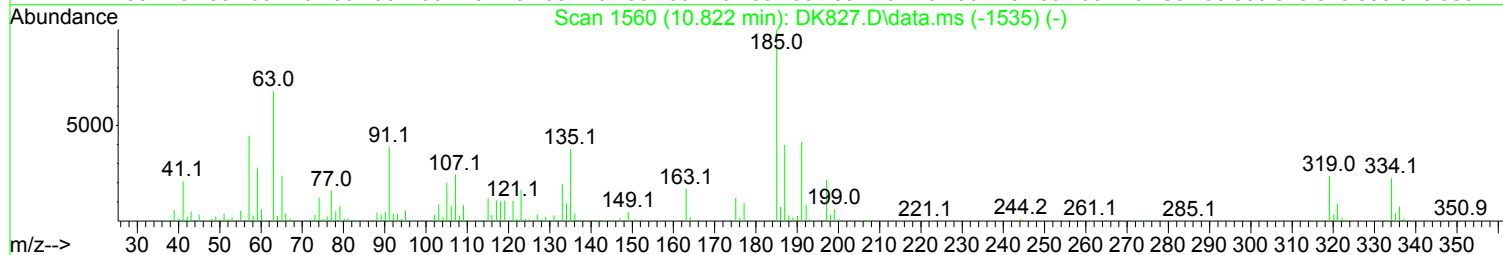
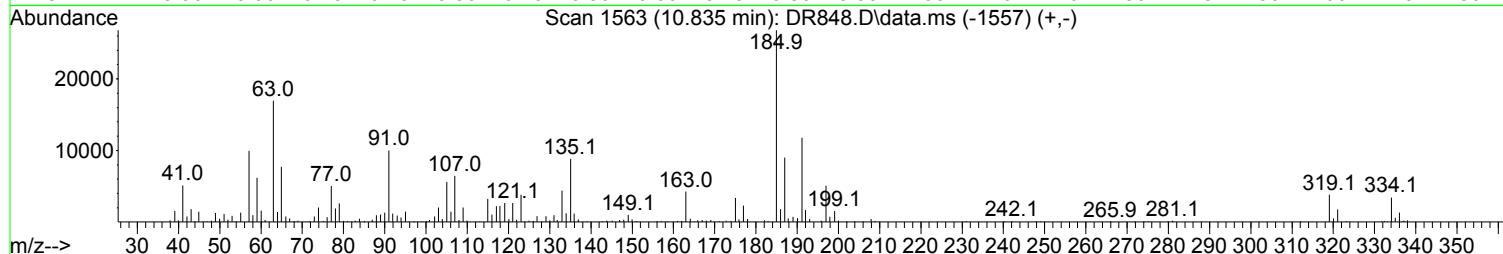
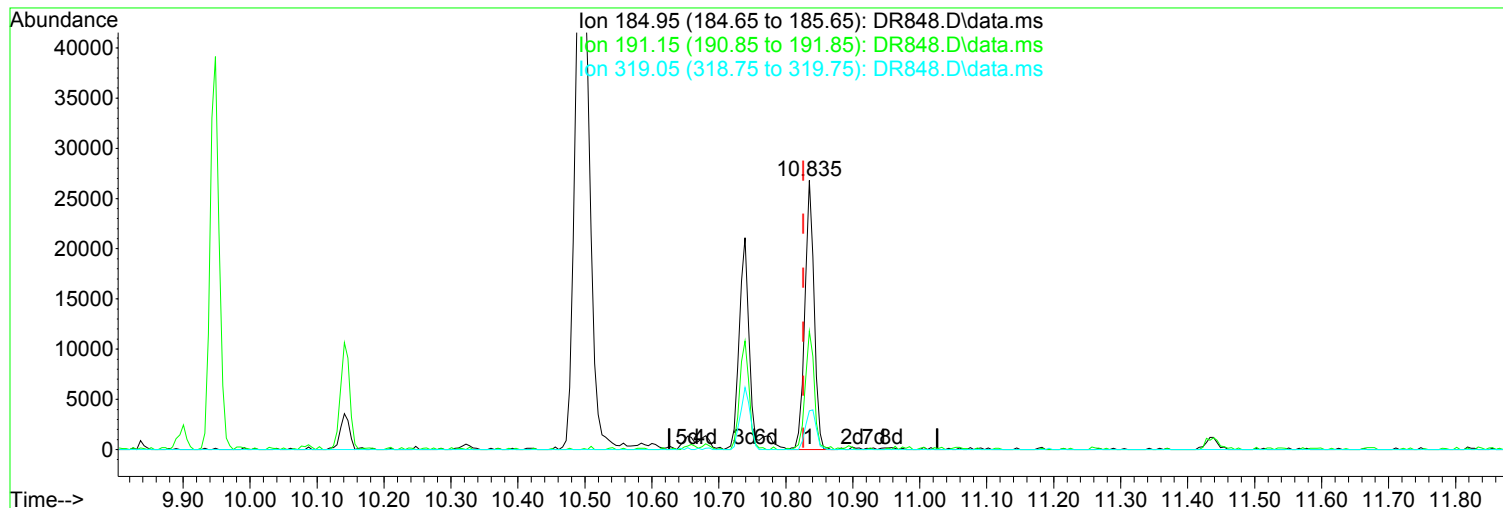
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.96
319.05	14.30	14.34
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR848.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.009) 18.13 ppm

Before

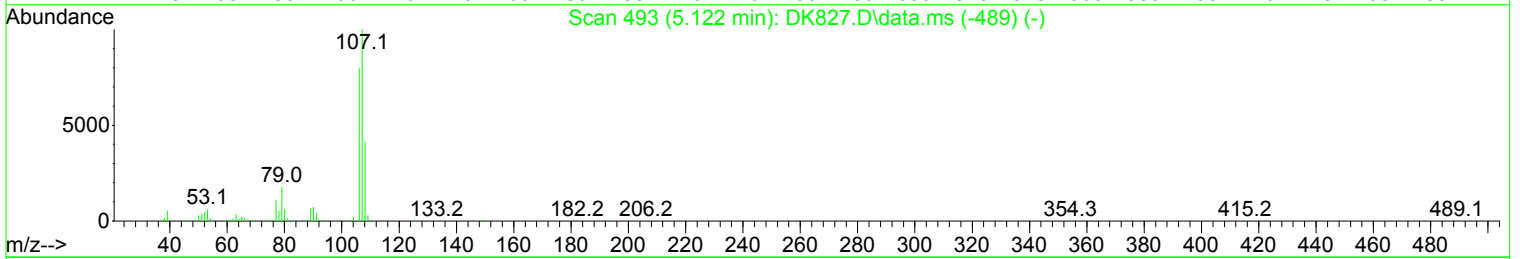
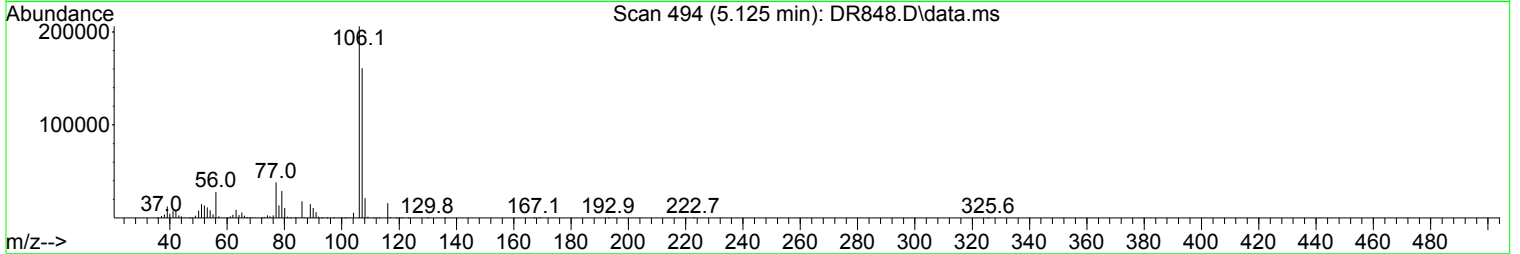
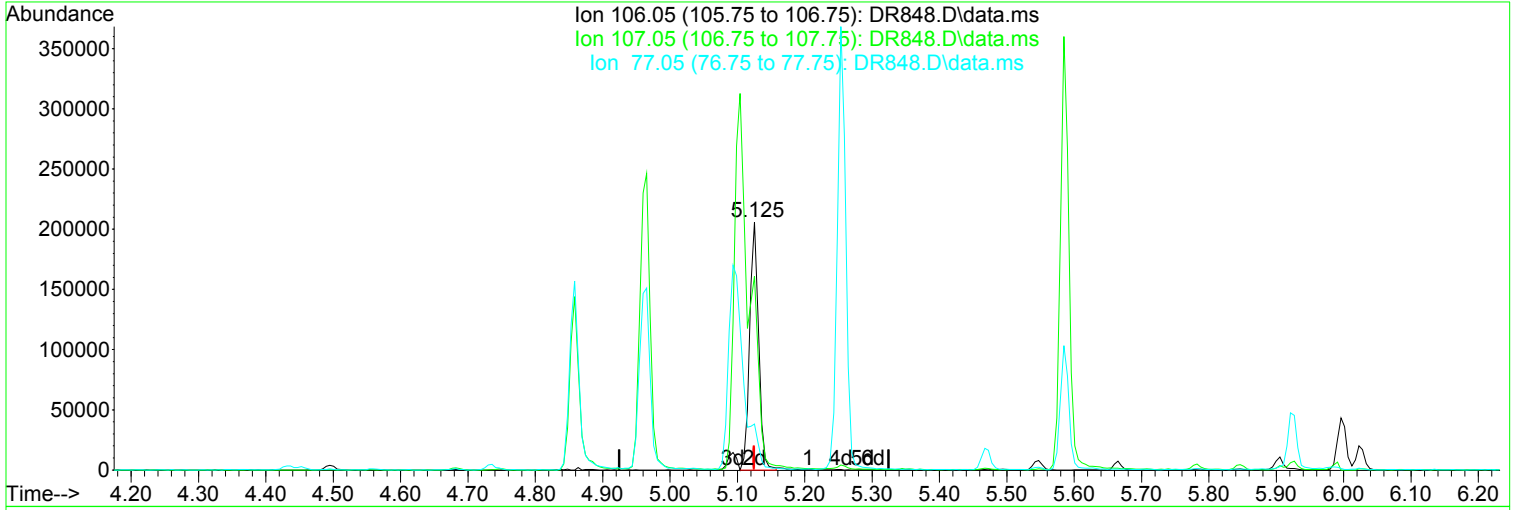
response 25917

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.76
319.05	14.30	14.34
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(29) o-Toluidine (TM)

5.125min (+ 0.000) 32.64 ppm m

response 192806

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	78.19
77.05	1.60	18.52
0.00	0.00	0.00

Manual Integration:

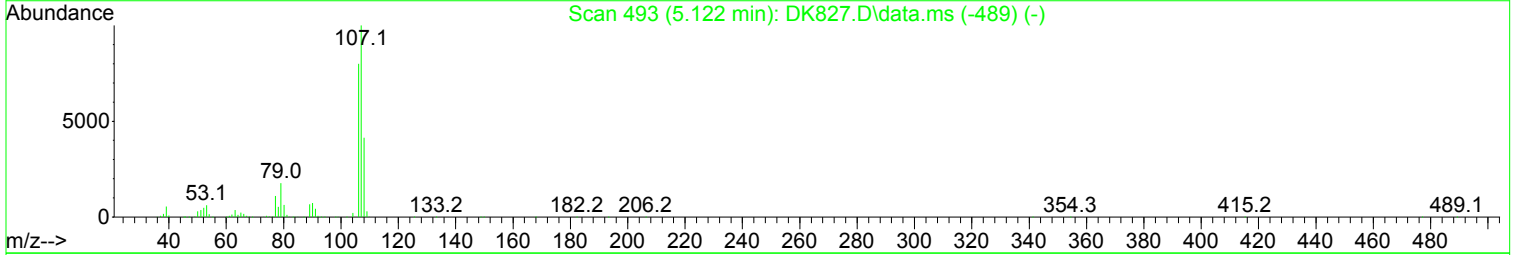
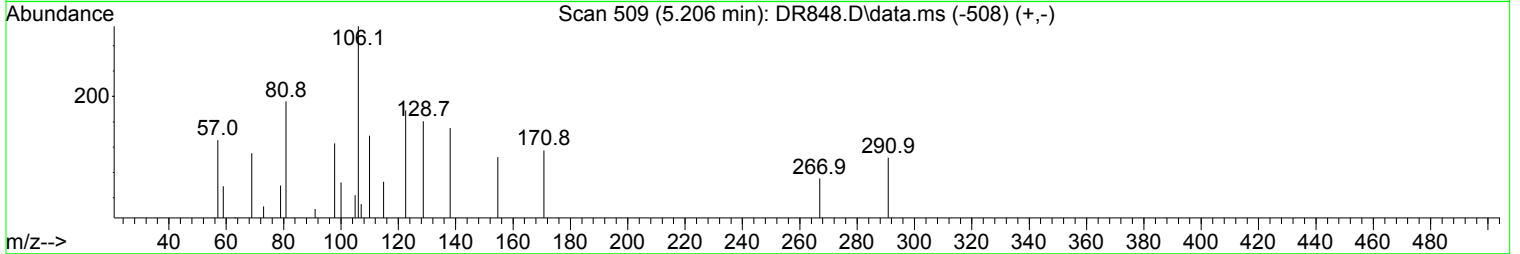
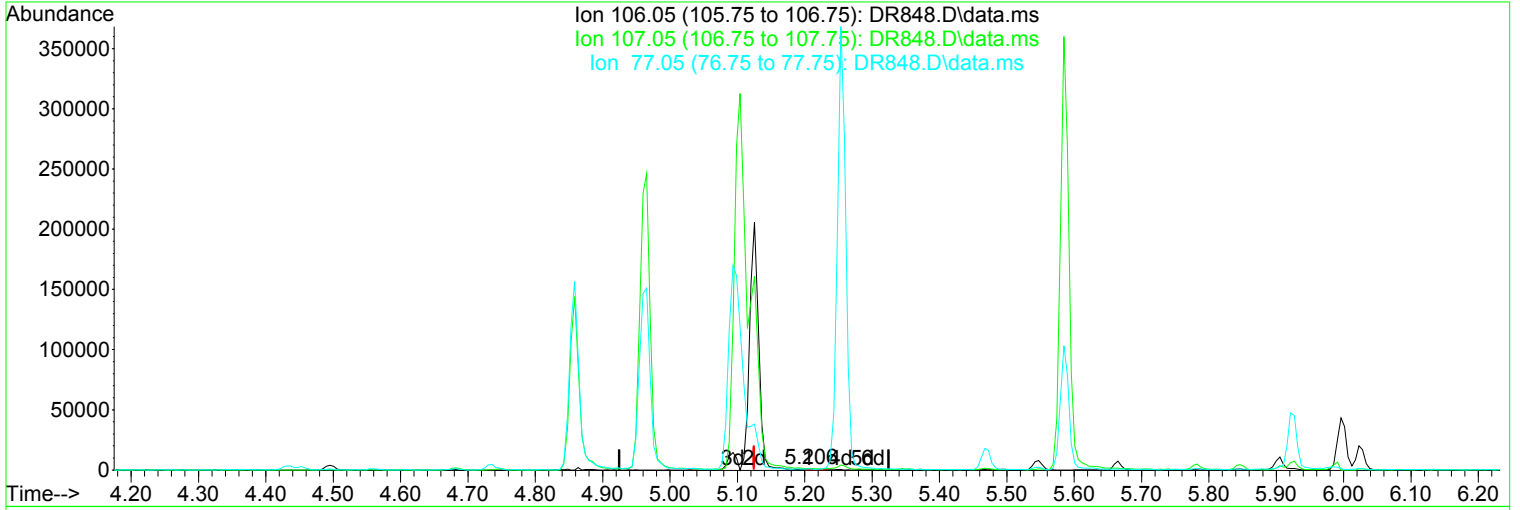
After

Peak not found.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
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Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(29) o-Toluidine (TM)

Manual Integration:

5.206min (+ 0.080) 0.07 ppm

Before

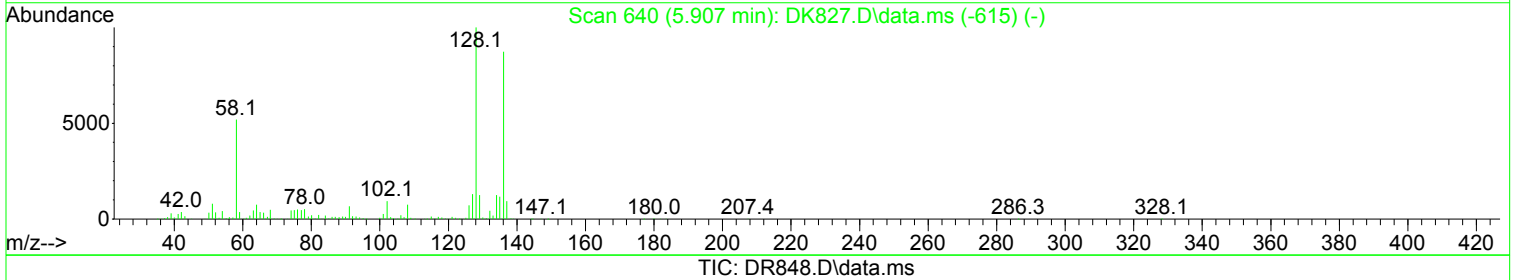
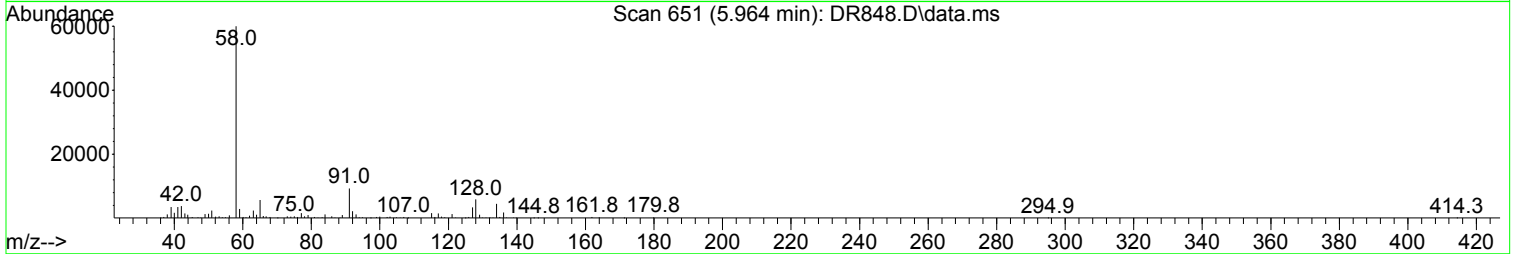
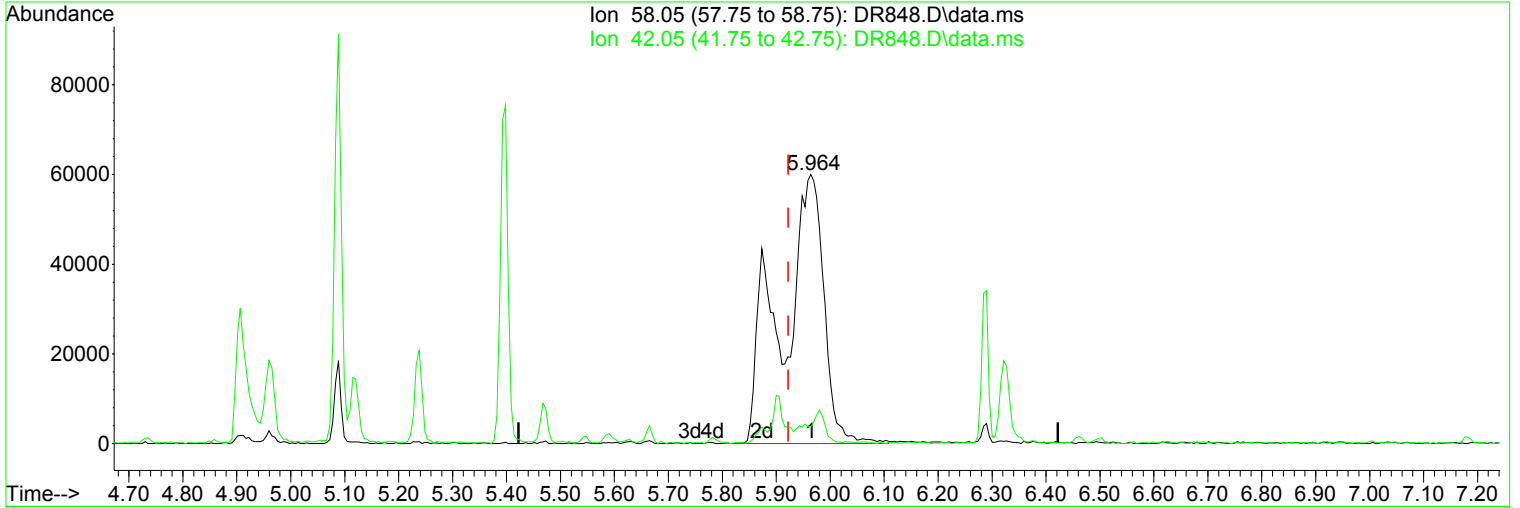
response 402

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	9.65
77.05	1.60	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.964min (+ 0.042) 41.62 ppm m

After

response 321567

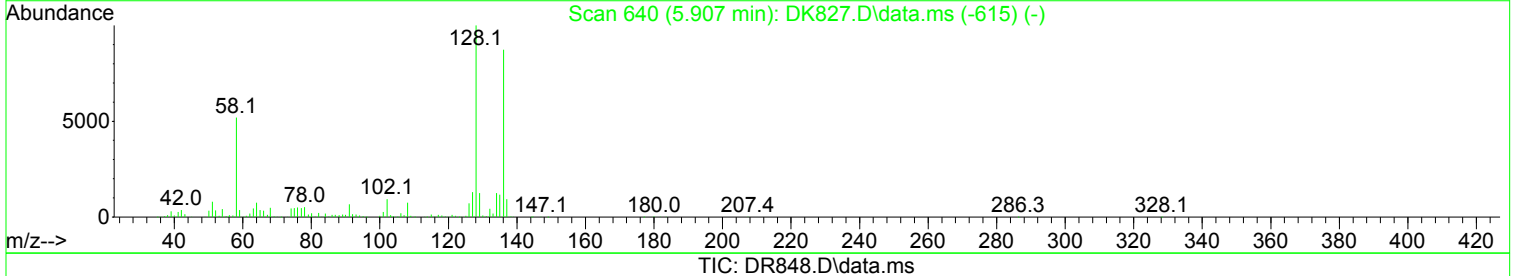
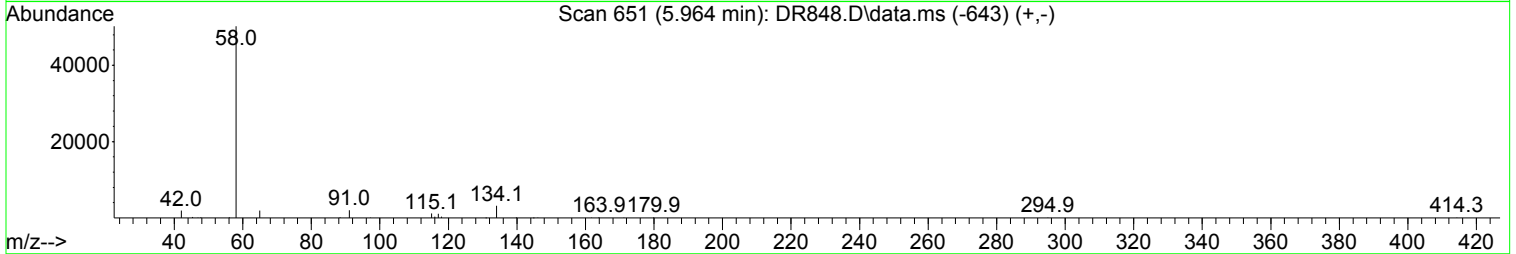
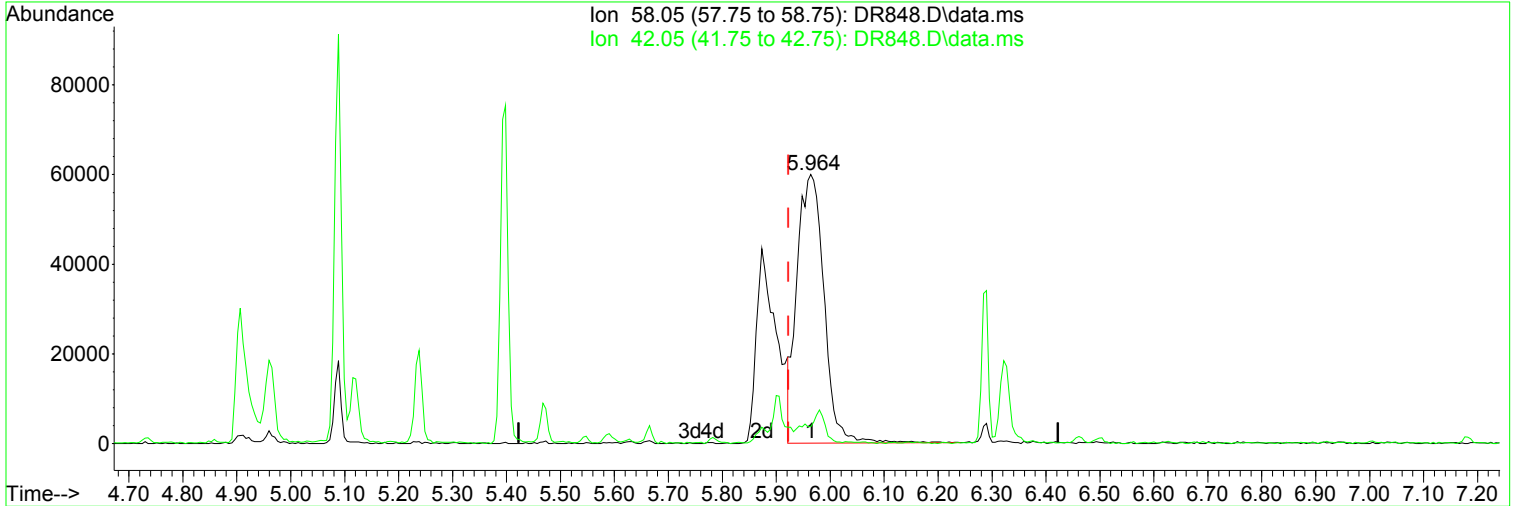
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
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Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.964min (+ 0.042) 27.05 ppm

Before

response 209045

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	3.82
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
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Sample : ICV
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Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	109887	40.00	ppm	0.00
33) d8-Naphthalene	5.905	136	407486	40.00	ppm	0.00
57) d10-Acenaphthene	7.614	164	204693	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	313390	40.00	ppm	0.00
117) d12-Chrysene	12.357	240	284009	40.00	ppm	0.00
135) d12-Perylene	15.290	264	279566	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	307572	76.95	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	76.95%#
12) SURR2,PHENOL-D6	4.420	99	390866	79.60	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	79.60%
34) SURR4,NITROBENZENE-D5	5.238	82	314328	76.02	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	152.04%#
63) SURR5,2-FLUOROBIPHENYL	6.947	172	596169	76.59	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	153.18%#
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	64750	77.25	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	77.25%
124) SURR6,TERPHENYL-D14	10.771	244	532000	79.52	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	159.04%

Target Compounds					Qvalue
2) Pyridine	2.615	79	144794	33.731	ppm 95
3) N-Nitrosodimethylamine	2.583	74	71084	27.709	ppm 97
4) 2-Picoline	3.192	93	144479	33.104	ppm 98
5) N-Nitrosomethylamine	3.283	42	57467	32.551	ppm 99
6) Methyl Methansulfonate	3.523	80	174238	87.638	ppm 98
8) N-Nitrosodiethylamine	3.833	102	156154	80.123	ppm 84
9) Ethyl Mathanesulfonate	4.073	79	97190	28.929	ppm 96
11) Aniline	4.452	93	198201	31.626	ppm 95
13) Phenol	4.436	94	413777	77.048	ppm 94
14) bis(2-Clethyl)Ether	4.495	93	300416	80.848	ppm 98
15) Pentachloroethane	4.490	117	117230	78.356	ppm 95
16) 2-Chlorophenol	4.559	128	348816	82.688	ppm 97
17) 1,3-Diclbzene	4.682	146	359385	81.860	ppm 98
18) 1,4-Dichlorobenzene	4.752	146	360849	80.318	ppm 96
19) 1,2-Diclbzene	4.885	146	337641	78.655	ppm 99
20) Benzyl Alcohol	4.858	79	239826	83.942	ppm 94
21) 1-Methyl-2-pyrrolidinone	4.906	99	91994	35.231	ppm 96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	353749	99.076	ppm 95
23) 2-Methylphenol	4.965	108	295393	78.040	ppm 96
24) 3+4-Methylphenol	5.104	108	323506	75.534	ppm 93
25) Acetophenone	5.093	105	166359	31.274	ppm 85
26) N-Nitroso-Di-n-propyla...	5.088	70	94953	33.097	ppm 97
27) N-Nitrosopyrrolidine	5.088	100	69005	33.077	ppm 97
28) N-Nitrosomorpholine	5.120	56	62504	30.438	ppm 97
29) o-Toluidine	5.125	106	192806m	32.639	ppm
30) Hexachloroethane	5.184	117	139329	80.571	ppm 97
31) o,o,o-Triethylphosphor...	5.628	198	61548	34.174	ppm 91
32) Alpha-terpinol	5.927	121	48910	34.844	ppm 92
35) Nitrobenzene	5.254	77	323915	77.992	ppm 98
36) N-Nitrosopiperidine	5.398	42	75003	33.225	ppm 89
37) Isophorone	5.467	82	498246	71.974	ppm 99
38) 2-Nitrophenol	5.547	139	180494	83.999	ppm 98
39) 2,4-Dimethylphenol	5.585	107	324014	83.736	ppm 95

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.665	93	351413	86.338	ppm	99
42) 2,4-Dichlorophenol	5.782	162	259386	84.629	ppm	96
43) a,a-Dimethylphenethyla...	5.964	58	321567m	41.615	ppm	
44) 1,2,4-Trichlorobenzene	5.846	180	261886	81.038	ppm	98
45) Naphthalene	5.927	128	944199	84.073	ppm	99
46) 4-Chloroaniline	5.985	127	372688	79.306	ppm	99
47) 2,6-Dichlorophenol	5.991	162	253657	79.142	ppm	99
48) Hexachlorobutadiene	6.028	225	131738	80.455	ppm	96
49) Hexachloropropene	5.996	213	160542	78.471	ppm	100
50) 4-Chloro-3-methylphenol	6.461	107	262856	85.869	ppm	96
51) N-N-di-n-butylamine	6.290	84	79037	32.559	ppm	97
52) Caprolactam	6.322	113	39150	32.225	ppm	97
53) p-Phenylenediamine	6.338	80	462	0.590	ppm	# 21
54) Safrole	6.498	162	230278	79.880	ppm	98
55) 2-Methylnaphthalene	6.589	142	580441	79.860	ppm	97
56) 1-Methylnaphthalene	6.685	142	584388	85.940	ppm	99
58) Hexachlorocyclopentadiene	6.733	237	118843	81.880	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.749	216	234967	77.993	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.032	216	99556	31.383	ppm	100
61) 2,4,6-Trichlorophenol	6.872	196	166314	87.159	ppm	98
62) 2,4,5-Trichlorophenol	6.925	196	162706	79.278	ppm	99
64) Isosafrole	7.006	104	40259	30.582	ppm	85
65) 1,1'-Biphenyl	7.043	154	293710	32.390	ppm	97
66) 2-Chloronaphthalene	7.070	162	520430	79.407	ppm	100
67) 2-Nitroaniline	7.182	65	60788	32.447	ppm	89
68) 1,4-Naphthoquinone	7.257	158	74679	36.296	ppm	96
69) m-Dinitrobenzene	7.401	168	101249	78.630	ppm	91
70) Acenaphthylene	7.476	152	871112	82.982	ppm	99
71) Dimethyl phthalate	7.347	163	557070	72.699	ppm	98
72) 2,6-Dinitrotoluene	7.417	165	134363	77.237	ppm	96
73) Acenaphthene	7.646	153	562619	77.043	ppm	98
74) 3-Nitroaniline	7.588	138	67820	33.913	ppm	94
75) 2,4-Dinitrophenol	7.700	184	56352	83.121	ppm	84
76) Dibenzofuran	7.817	168	726376	80.550	ppm	99
77) 2,4-Dinitrotoluene	7.817	165	179362	78.068	ppm	97
78) 4-Nitrophenol	7.801	65	105728	80.582	ppm	# 41
79) Pentachlorobenzene	7.775	250	186333	77.177	ppm	97
80) 1-Napthylamine	7.903	143	157773	33.223	ppm	97
81) 2-Napthylamine	7.983	143	158259	26.172	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.946	232	109500	79.525	ppm	93
83) Fluorene	8.154	166	576685	77.779	ppm	100
84) 4-Chlorophenyl-phenyle...	8.149	204	253715	84.821	ppm	98
85) Diethylphthalate	8.036	149	550011	72.478	ppm	98
86) 4-Nitroaniline	8.202	138	68768	34.862	ppm	95
87) 5-Nitro-o-toluidine	8.181	152	71955	32.129	ppm	100
89) Sulfotepp	8.416	322	77194	81.503	ppm	98
90) Octachlorocyclopentene	8.394	307	30405	31.535	ppm	95
92) Thionazin	8.116	107	37889	30.817	ppm	98
93) 4,6-Dinitro-2-methylph...	8.223	198	104180	86.239	ppm	94
94) Diphenylamine	8.271	169	360803	65.152	ppm	99
95) 1,2 Diphenylhydrazine	8.309	77	220545	31.559	ppm	94
96) N-Nitrosodiphenylamine	8.271	169	360803	65.152	ppm	99
97) 1,3,5-Trinirobenzene	8.597	74	82038	82.078	ppm	96
98) Diallate	8.544	86	85510	29.676	ppm	97
99) Phorate	8.554	121	47862	33.017	ppm	97
100) Phenacetin	8.597	108	125202	34.292	ppm	99

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 ALS Vial : 14 Sample Multiplier: 1

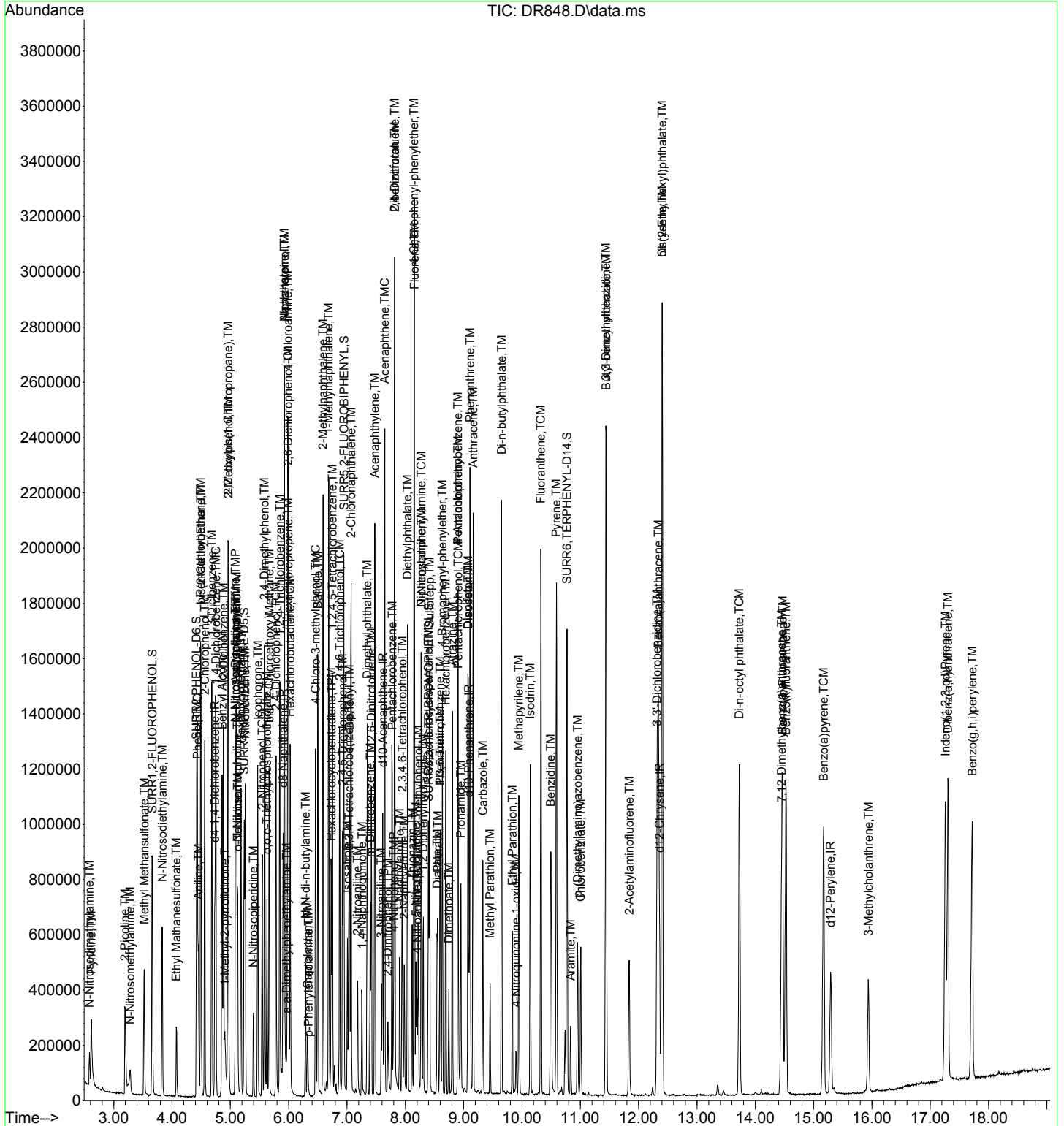
Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 4-Bromophenyl-phenylether	8.635	248	136182	83.105	ppm	96
102) Hexachlorobenzene	8.693	284	140685	76.344	ppm	96
103) Dimethoate	8.747	87	69683	29.101	ppm	95
104) Atrazine	8.805	215	76941	85.866	ppm	99
105) Pentachlorophenol	8.907	266	56315	82.458	ppm	99
106) 4-Aminobiphenyl	8.902	169	180788	32.128	ppm	97
107) Pentachloronitrobenzene	8.902	237	56181	82.524	ppm	94
108) Pronamide	8.950	173	112086	34.981	ppm	98
109) Dinoseb	9.072	211	124811	78.498	ppm	96
110) Disulfoton	9.072	88	122998	35.784	ppm	91
111) Phenanthrene	9.110	178	781328	78.835	ppm	99
112) Anthracene	9.163	178	783477	79.561	ppm	98
113) Carbazole	9.329	167	322224	33.311	ppm	99
114) Di-n-butylphthalate	9.649	149	988324	79.048	ppm	99
115) 4-Nitroquinoline-1-oxide	9.900	190	17060	29.101	ppm	89
116) Fluoranthene	10.322	202	828026	81.607	ppm	99
118) Methyl Parathion	9.452	109	65405	29.048	ppm	92
119) Ethyl Parathion	9.836	97	55198	32.812	ppm	95
120) Methapyrilene	9.943	58	319013	130.356	ppm	99
121) Isodrin	10.141	193	83037	79.966	ppm	98
122) Benzidine	10.493	184	548565	82.317	ppm	99
123) Pyrene	10.589	202	855730	82.052	ppm	99
125) Aramite	10.835	185	49320m	34.501	ppm	
126) p-(Dimethylamino)azobe...	10.953	120	110438	35.645	ppm	95
127) Chlorobenzilate	11.006	139	122540	33.855	ppm	91
128) Butyl benzyl phthalate	11.444	149	458507	79.249	ppm	99
129) 3,3-Dimethylbenzidine	11.439	212	511368	80.613	ppm	97
130) 2-Acetylaminofluorene	11.839	181	156450	33.860	ppm	98
131) 3,3'-Dichlorobenzidine	12.315	252	284529	75.318	ppm	99
132) Benzo(a)anthracene	12.336	228	750034	77.774	ppm	98
133) Chrysene	12.405	228	733193	82.643	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.405	149	624678	78.462	ppm	97
136) Di-n-octyl phthalate	13.725	149	1015108	76.510	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	138203	32.701	ppm	96
138) Benzo(b)Fluoranthene	14.467	252	738499	79.380	ppm	99
139) Benzo(k)fluoranthene	14.526	252	716890	81.359	ppm	96
140) Benzo(a)pyrene	15.172	252	663908	82.980	ppm	97
141) 3-Methylcholanthrene	15.941	268	148523	31.696	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.260	276	631768	80.518	ppm	96
143) Dibenz(a,h)anthracene	17.303	278	652317	79.347	ppm	99
144) Benzo(g,h,i)perylene	17.720	276	627174	92.744	ppm	99

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

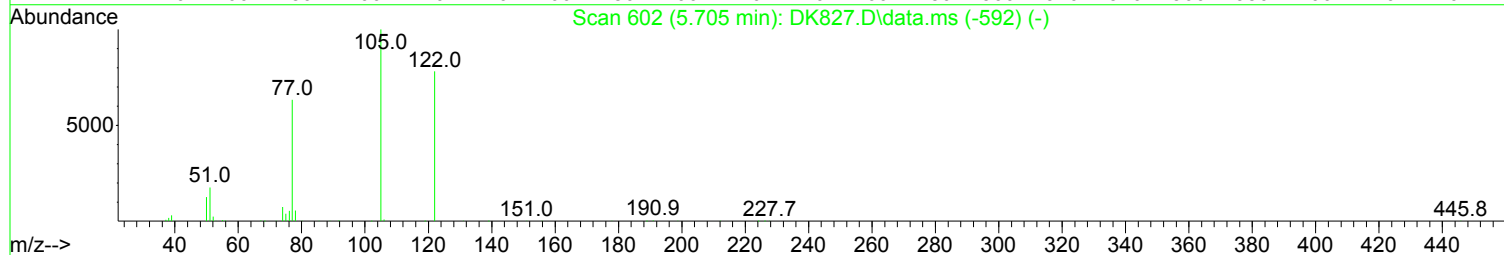
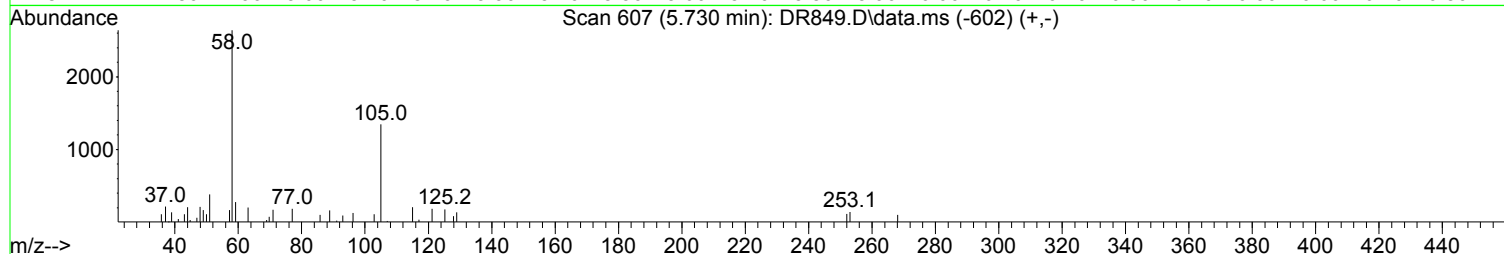
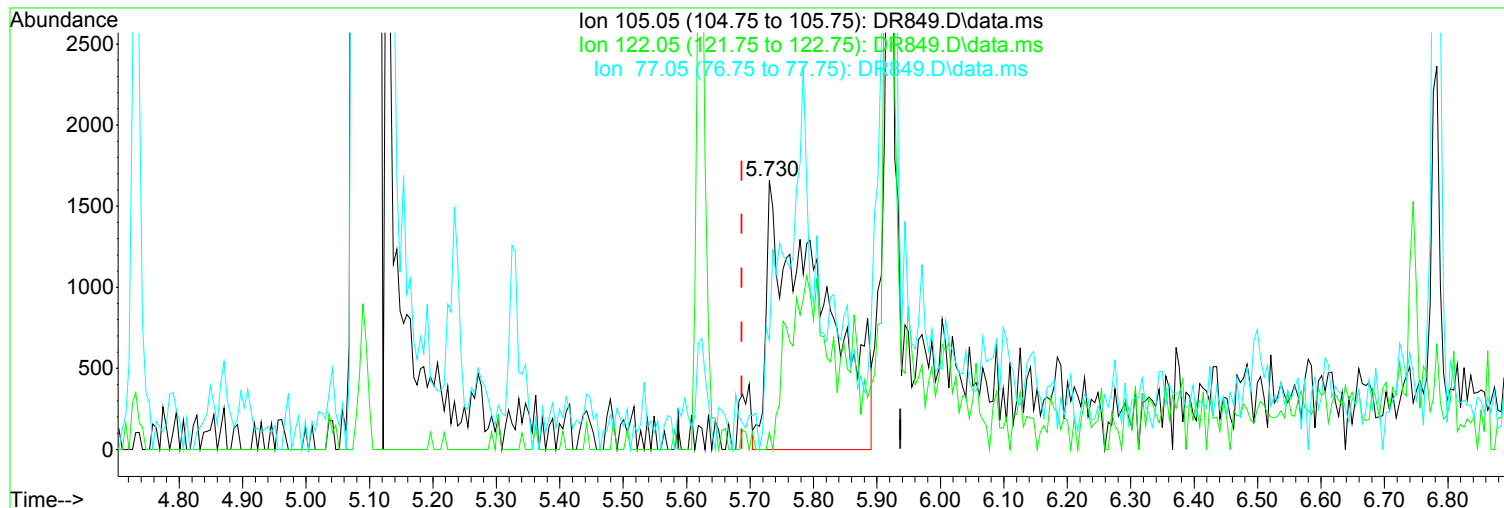
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
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Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM)

Manual Integration:

5.730min (+ 0.043) 22.98 ppm m

After

response 9800

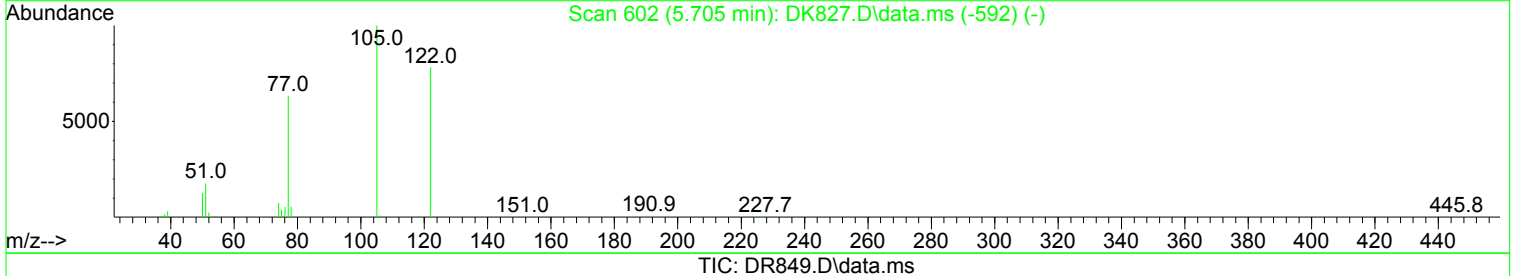
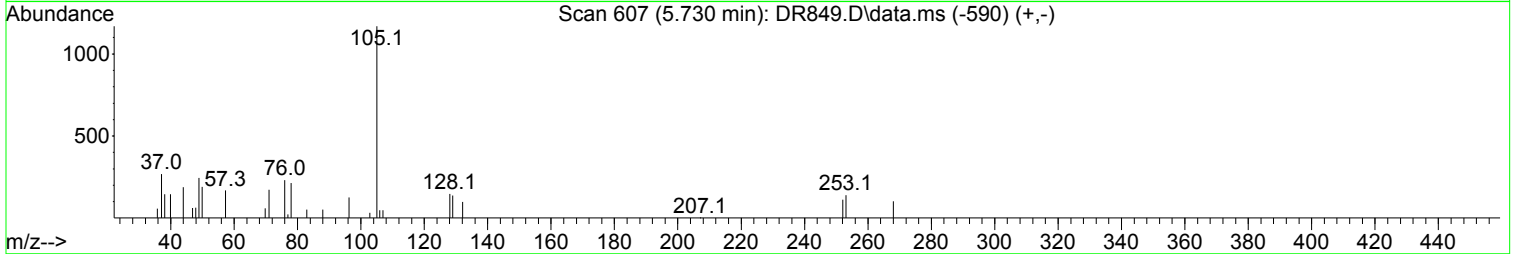
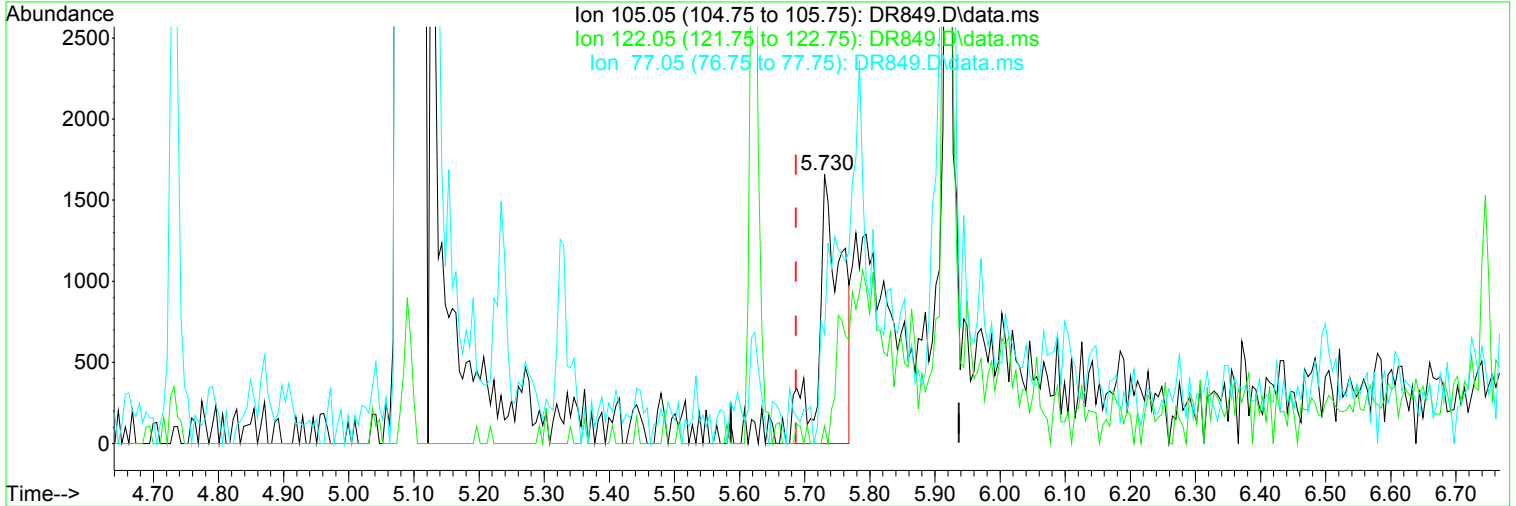
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	6.45#
77.05	69.60	40.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM) Manual Integration:

5.730min (+ 0.043) 19.45 ppm Before

response 4134

Ion	Exp%	Act%	
105.05	100.00	100.00	05/01/19
122.05	82.40	0.00#	
77.05	69.60	1.92#	
0.00	0.00	0.00	

Analysis: 8270/625
 Date: 4/30/19
 Syringes: _____

Analyst: OMTS, vrcw/lr
 Instr. 5973A R-MS-51

Run Method: 8270A/TUNE
 Quant Method: 820043019A.M
 LIMS Run#: 633877

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			12534	-	
2	TUNE		198691	35	(N)	
2	TUNE		↓	36	YT	8:01
3	CCV			37	(N)	recalibrate
4	Blk			38	Y	
5	1 ppm STD		199023	39	Y	
6	2.5		24	40	Y	
7	5.0		25	41	Y	
8	10		26	42	Y	
9	50		27	43	Y	
10	80		28	44	Y	
11	100		29	45	Y	
12	120		30	46	Y	
13	160		↓ 31	47	Y	
14	ICV #1	199034	198999	48	Y	
15	↓ #2		199000	49	Y	Ammonium / benzoic Acid only
16	CCV		199028	50	Y	
17	R1903557-01	Blk	33528	51	Y	
18	↓ -02	LCS	(625)	52	Y	
19	↓ -03	LCS		53	Y	
20	R1903386-001			54	Y	
21	R1903613-01	Blk	33519	55	Y	
22	↓ -02	LCS	(625)	56	Y	
23	↓ -03	LCS		57	Y	
24	R1903480-003			58	Y	
25	R1903500-001			59	Y	
26	R1903742-01	Blk	335378	60	Y	
27	↓ -02	LCS	(625)	61	Y	
28	↓ -03	LCS		62	Y	
29	R1903515-002			63	Y	
30	R1903505-001			64	Y	
31	↓ -002			65	Y	10:50
32	↓ -003			66	(N)	OUT OF TUNE 11:18

All samples = 1 mL + 10 uL Combined IS/Surr.; (97704)

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Runlog GCEXT r2 4/27/17
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ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/30/19 8:01

ICAL Tune Summary
Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\043019\DR836.D
Instrument ID: R-MS-51

Analytical Method: 8270D

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.0	36473	PASS
70	69	0	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	100	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
LK	BLK	I:\ACQUDATA\5973A\DATA\043019\DR838.D	4/30/19 9:12
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	4/30/19 9:40
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	4/30/19 10:09
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	4/30/19 10:38
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	4/30/19 11:08
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	4/30/19 12:00
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	4/30/19 12:34
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	4/30/19 13:03
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	4/30/19 13:33
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	4/30/19 14:03
ICV	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	4/30/19 14:39
ICV #2	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	4/30/19 15:07

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
06	RC1900040-06	2.5 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR279.D	03/14/2019 14:14
04	RC1900040-04	5.0 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR280.D	03/14/2019 14:41
01	RC1900040-01	10 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR281.D	03/14/2019 15:09
02	RC1900040-02	50 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR282.D	03/14/2019 15:37
03	RC1900040-03	80 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR283.D	03/14/2019 16:06
07	RC1900040-07	100 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR284.D	03/14/2019 16:34
08	RC1900040-08	120 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR285.D	03/14/2019 17:03
09	RC1900040-09	160 ppm STD	I:\ACQUADATA\5973D\Data\031419\BR286.D	03/14/2019 17:32

Analyte

1,2,4,5-Tetrachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.6955	04	5.000	0.6604	01	10.000	0.7014	02	50.000	0.7036
03	80.000	0.7149	07	100.000	0.7096	08	120.000	0.7367	09	160.000	0.7392

2,2'-Oxybis(1-chloropropane)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.203	04	5.000	1.311	01	10.000	1.212	02	50.000	1.237
03	80.000	1.26	07	100.000	1.214	08	120.000	1.261	09	160.000	1.365

2,3,4,6-Tetrachlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3179	01	10.000	0.3837	02	50.000	0.386	03	80.000	0.4006
07	100.000	0.3875	08	120.000	0.4074	09	160.000	0.4374			

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.423	04	5.000	0.4626	01	10.000	0.4504	02	50.000	0.4779
03	80.000	0.4637	07	100.000	0.4593	08	120.000	0.4692	09	160.000	0.4948

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.238	04	5.000	0.2653	01	10.000	0.3012	02	50.000	0.2916
03	80.000	0.3038	07	100.000	0.2918	08	120.000	0.3058	09	160.000	0.3213

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3407	04	5.000	0.3834	01	10.000	0.3995	02	50.000	0.4388
03	80.000	0.4606	07	100.000	0.4394	08	120.000	0.4539	09	160.000	0.4608

2,4-Dichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2551	04	5.000	0.3303	01	10.000	0.3447	02	50.000	0.347
03	80.000	0.349	07	100.000	0.3487	08	120.000	0.3588	09	160.000	0.3716

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

2,4-Dimethylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3292	04	5.000	0.39	01	10.000	0.4035	02	50.000	0.4087
03	80.000	0.4068	07	100.000	0.4135	08	120.000	0.4232	09	160.000	0.4439

2,4-Dinitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.07506	01	10.000	0.1343	02	50.000	0.1751	03	80.000	0.1985
07	100.000	0.1977	08	120.000	0.2131	09	160.000	0.2269			

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4313	04	5.000	0.4465	01	10.000	0.4717	02	50.000	0.4815
03	80.000	0.5086	07	100.000	0.5075	08	120.000	0.5055	09	160.000	0.5324

2,6-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2893	04	5.000	0.3107	01	10.000	0.3407	02	50.000	0.3488
03	80.000	0.3668	07	100.000	0.3532	08	120.000	0.3645	09	160.000	0.3764

2-Chloronaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.155	04	5.000	1.389	01	10.000	1.365	02	50.000	1.336
03	80.000	1.315	07	100.000	1.312	08	120.000	1.324	09	160.000	1.361

2-Chlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.382	04	5.000	1.561	01	10.000	1.469	02	50.000	1.503
03	80.000	1.547	07	100.000	1.53	08	120.000	1.599	09	160.000	1.671

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.4	04	5.000	1.609	01	10.000	1.552	02	50.000	1.568
03	80.000	1.645	07	100.000	1.553	08	120.000	1.575	09	160.000	1.64

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.301	04	5.000	1.21	01	10.000	1.434	02	50.000	1.408
03	80.000	1.448	07	100.000	1.438	08	120.000	1.455	09	160.000	1.563

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.7733	04	5.000	0.8128	01	10.000	0.8392	02	50.000	0.7927
03	80.000	0.8003	07	100.000	0.8072	08	120.000	0.807	09	160.000	0.8525

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.12	04	5.000	1.33	01	10.000	1.259	02	50.000	1.372
03	80.000	1.368	07	100.000	1.351	08	120.000	1.368	09	160.000	1.474

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

2-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2899	04	5.000	0.3542	01	10.000	0.3477	02	50.000	0.3549
03	80.000	0.3609	07	100.000	0.3562	08	120.000	0.3664	09	160.000	0.379

2-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.177	04	5.000	0.219	01	10.000	0.2319	02	50.000	0.2249
03	80.000	0.2216	07	100.000	0.2222	08	120.000	0.2306	09	160.000	0.2421

3,3'-Dichlorobenzidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4425	04	5.000	0.4822	01	10.000	0.5022	02	50.000	0.5627
03	80.000	0.5686	07	100.000	0.5615	08	120.000	0.5705	09	160.000	0.5842

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.348	04	5.000	1.398	01	10.000	1.441	02	50.000	1.534
03	80.000	1.626	07	100.000	1.621	08	120.000	1.621	09	160.000	1.73

3-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3218	04	5.000	0.332	01	10.000	0.3788	02	50.000	0.3836
03	80.000	0.3969	07	100.000	0.3999	08	120.000	0.3993	09	160.000	0.4165

4,6-Dinitro-2-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.1197	02	50.000	0.1634	03	80.000	0.1723	07	100.000	0.1737
08	120.000	0.1781	09	160.000	0.1788						

4-Bromophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2361	04	5.000	0.2358	01	10.000	0.2731	02	50.000	0.2577
03	80.000	0.2524	07	100.000	0.2467	08	120.000	0.25	09	160.000	0.2504

4-Chloro-3-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2758	04	5.000	0.2895	01	10.000	0.3358	02	50.000	0.3284
03	80.000	0.3318	07	100.000	0.3377	08	120.000	0.3346	09	160.000	0.3643

4-Chloroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4744	04	5.000	0.464	01	10.000	0.4833	02	50.000	0.4711
03	80.000	0.4835	07	100.000	0.478	08	120.000	0.4928	09	160.000	0.5095

4-Chlorophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.6695	04	5.000	0.7421	01	10.000	0.7287	02	50.000	0.7243
03	80.000	0.7072	07	100.000	0.6719	08	120.000	0.6973	09	160.000	0.7224

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

4-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.3725	01	10.000	0.3776	02	50.000	0.4172	03	80.000	0.4108
07	100.000	0.3982	08	120.000	0.4103	09	160.000	0.4289			

4-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.2007	02	50.000	0.2665	03	80.000	0.2654	07	100.000	0.2716
08	120.000	0.2332	09	160.000	0.2394						

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.366	04	5.000	1.517	01	10.000	1.475	02	50.000	1.495
03	80.000	1.525	07	100.000	1.497	08	120.000	1.482	09	160.000	1.529

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.964	04	5.000	2.052	01	10.000	2.133	02	50.000	2.171
03	80.000	2.188	07	100.000	2.127	08	120.000	2.162	09	160.000	2.207

Acetophenone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.893	04	5.000	1.959	01	10.000	2.028	02	50.000	1.987
03	80.000	2.056	07	100.000	1.981	08	120.000	2.051	09	160.000	2.225

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.147	04	5.000	1.267	01	10.000	1.331	02	50.000	1.307
03	80.000	1.298	07	100.000	1.285	08	120.000	1.269	09	160.000	1.282

Atrazine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.07507	04	5.000	0.101	01	10.000	0.1126	02	50.000	0.09149
03	80.000	0.08347	07	100.000	0.07273						

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.21	04	5.000	1.269	01	10.000	1.316	02	50.000	1.367
03	80.000	1.374	07	100.000	1.338	08	120.000	1.367	09	160.000	1.408

Benzaldehyde

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	5.000	0.8178	04	10.000	0.8821	01	20.000	0.9152	02	50.000	0.8523
03	80.000	0.8652	07	100.000	0.7891	08	120.000	0.7733			

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.8609	04	5.000	1.082	01	10.000	1.138	02	50.000	1.206
03	80.000	1.226	07	100.000	1.229	08	120.000	1.235	09	160.000	1.26

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.167	04	5.000	1.327	01	10.000	1.387	02	50.000	1.406
03	80.000	1.442	07	100.000	1.43	08	120.000	1.437	09	160.000	1.489

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.8987	04	5.000	1.067	01	10.000	1.06	02	50.000	1.101
03	80.000	1.058	07	100.000	1.047	08	120.000	1.045	09	160.000	1.033

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.081	04	5.000	1.318	01	10.000	1.279	02	50.000	1.341
03	80.000	1.323	07	100.000	1.329	08	120.000	1.328	09	160.000	1.346

Biphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.875	04	5.000	1.808	01	10.000	1.778	02	50.000	1.771
03	80.000	1.814	07	100.000	1.75	08	120.000	1.79	09	160.000	1.811

Bis(2-chloroethoxy)methane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.392	04	5.000	0.4349	01	10.000	0.4388	02	50.000	0.4051
03	80.000	0.4181	07	100.000	0.4222	08	120.000	0.4268	09	160.000	0.4469

Bis(2-chloroethyl) Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.006	04	5.000	1.184	01	10.000	1.253	02	50.000	1.222
03	80.000	1.23	07	100.000	1.203	08	120.000	1.27	09	160.000	1.339

Bis(2-ethylhexyl) Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.8699	01	10.000	0.9555	02	50.000	1.043	03	80.000	1.056
07	100.000	1.032	08	120.000	1.067	09	160.000	1.098			

Butyl Benzyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5558	04	5.000	0.6528	01	10.000	0.73	02	50.000	0.7264
03	80.000	0.741	07	100.000	0.7172	08	120.000	0.7465	09	160.000	0.7671

Caprolactam

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.09433	04	5.000	0.09389	01	10.000	0.1246	02	50.000	0.1129
03	80.000	0.1112	07	100.000	0.1131	08	120.000	0.1168	09	160.000	0.1281

Carbazole

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.051	04	5.000	1.128	01	10.000	1.281	02	50.000	1.266
03	80.000	1.258	07	100.000	1.24	08	120.000	1.211	09	160.000	1.219

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.125	04	5.000	1.365	01	10.000	1.277	02	50.000	1.267
03	80.000	1.281	07	100.000	1.236	08	120.000	1.278	09	160.000	1.286

Di-n-butyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.435	01	10.000	1.702	02	50.000	1.753	03	80.000	1.743
07	100.000	1.712	08	120.000	1.672	09	160.000	1.702			

Di-n-octyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.253	01	10.000	1.4	02	50.000	1.672	03	80.000	1.716
07	100.000	1.72	08	120.000	1.754	09	160.000	1.778			

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.022	04	5.000	1.242	01	10.000	1.222	02	50.000	1.331
03	80.000	1.315	07	100.000	1.318	08	120.000	1.302	09	160.000	1.313

Dibenzofuran

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.702	04	5.000	2.079	01	10.000	1.962	02	50.000	2.01
03	80.000	2.001	07	100.000	1.927	08	120.000	1.913	09	160.000	1.92

Diethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.56	04	5.000	1.734	01	10.000	1.686	02	50.000	1.652
03	80.000	1.691	07	100.000	1.659	08	120.000	1.699	09	160.000	1.767

Dimethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.486	04	5.000	1.688	01	10.000	1.622	02	50.000	1.588
03	80.000	1.582	07	100.000	1.563	08	120.000	1.584	09	160.000	1.67

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.164	04	5.000	1.316	01	10.000	1.483	02	50.000	1.531
03	80.000	1.498	07	100.000	1.476	08	120.000	1.456	09	160.000	1.462

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.38	04	5.000	1.593	01	10.000	1.678	02	50.000	1.623
03	80.000	1.577	07	100.000	1.546	08	120.000	1.548	09	160.000	1.625

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3261	04	5.000	0.3272	01	10.000	0.3439	02	50.000	0.3164
03	80.000	0.3043	07	100.000	0.309	08	120.000	0.3038	09	160.000	0.3158

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.2144	04	5.000	0.2381	01	10.000	0.2383	02	50.000	0.2308
03	80.000	0.2301	07	100.000	0.2316	08	120.000	0.242	09	160.000	0.2537

Hexachlorocyclopentadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.1759	04	5.000	0.2917	01	10.000	0.3254	02	50.000	0.4033
03	80.000	0.429	07	100.000	0.4162	08	120.000	0.4362	09	160.000	0.4624

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5851	04	5.000	0.6564	01	10.000	0.7156	02	50.000	0.69
03	80.000	0.7094	07	100.000	0.6821	08	120.000	0.7272	09	160.000	0.7664

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.042	04	5.000	1.134	01	10.000	1.135	02	50.000	1.231
03	80.000	1.236	07	100.000	1.224	08	120.000	1.21	09	160.000	1.236

Isophorone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.5935	04	5.000	0.699	01	10.000	0.7339	02	50.000	0.7258
03	80.000	0.7141	07	100.000	0.7221	08	120.000	0.7313	09	160.000	0.7585

N-Nitrosodi-n-propylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.9997	04	5.000	0.9511	01	10.000	1.049	02	50.000	1.084
03	80.000	1.068	07	100.000	1.04	08	120.000	1.116	09	160.000	1.166

N-Nitrosodiphenylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	5.000	0.6287	04	10.000	0.6671	01	20.000	0.7204	02	100.000	0.6818
03	160.000	0.6771	07	200.000	0.6714	08	240.000	0.6592	09	320.000	0.6806

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.093	04	5.000	1.194	01	10.000	1.21	02	50.000	1.182
03	80.000	1.183	07	100.000	1.183	08	120.000	1.205	09	160.000	1.249

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.3725	04	5.000	0.4219	01	10.000	0.4177	02	50.000	0.4108
03	80.000	0.4251	07	100.000	0.4144	08	120.000	0.4303	09	160.000	0.4634

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.4056	04	5.000	0.3955	01	10.000	0.4176	02	50.000	0.401
03	80.000	0.414	07	100.000	0.4094	08	120.000	0.4148	09	160.000	0.4389

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	0.1234	02	50.000	0.175	03	80.000	0.1825	07	100.000	0.1834
08	120.000	0.1874	09	160.000	0.1926						

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.231	04	5.000	1.354	01	10.000	1.312	02	50.000	1.307
03	80.000	1.305	07	100.000	1.294	08	120.000	1.278	09	160.000	1.292

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	1.754	01	10.000	1.705	02	50.000	1.767	03	80.000	1.862
07	100.000	1.818	08	120.000	2.009	09	160.000	2.14			

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.513	04	5.000	1.708	01	10.000	1.645	02	50.000	1.792
03	80.000	1.774	07	100.000	1.791	08	120.000	1.81	09	160.000	1.936

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	1.248	04	5.000	1.364	01	10.000	1.412	02	50.000	1.459
03	80.000	1.481	07	100.000	1.407	08	120.000	1.436	09	160.000	1.427

Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	2.500	0.9461	04	5.000	0.9786	01	10.000	1.025	02	50.000	1.036
03	80.000	1.019	07	100.000	0.983	08	120.000	1.008	09	160.000	1.017

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,2,4,5-Tetrachlorobenzene	TRG	Average RF	% RSD	3.5	20	0.7077	0.010
2,2'-Oxybis(1-chloropropane)	TRG	Average RF	% RSD	4.4	20	1.258	0.010
2,3,4,6-Tetrachlorophenol	TRG	Average RF	% RSD	9.3	20	0.3887	0.010
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	4.5	20	0.4626	0.200
2,4,6-Tribromophenol	SURR	Average RF	% RSD	9.1	20	0.2899	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	10.3	20	0.4221	0.200
2,4-Dichlorophenol	TRG	Average RF	% RSD	10.5	20	0.3382	0.200
2,4-Dimethylphenol	TRG	Average RF	% RSD	8.3	20	0.4023	0.200
2,4-Dinitrophenol	TRG	Quadratic	COD	0.9993	0.99	0.1744	0.010
2,4-Dinitrotoluene	TRG	Average RF	% RSD	7.1	20	0.4856	0.200
2,6-Dinitrotoluene	TRG	Average RF	% RSD	8.7	20	0.3438	0.200
2-Chloronaphthalene	TRG	Average RF	% RSD	5.4	20	1.32	0.800
2-Chlorophenol	TRG	Average RF	% RSD	5.6	20	1.533	0.800
2-Fluorobiphenyl	SURR	Average RF	% RSD	4.9	20	1.568	
2-Fluorophenol	SURR	Average RF	% RSD	7.6	20	1.407	
2-Methylnaphthalene	TRG	Average RF	% RSD	3.1	20	0.8106	0.400
2-Methylphenol	TRG	Average RF	% RSD	7.8	20	1.33	0.700
2-Nitroaniline	TRG	Average RF	% RSD	7.5	20	0.3511	0.010
2-Nitrophenol	TRG	Average RF	% RSD	8.7	20	0.2212	0.100
3,3'-Dichlorobenzidine	TRG	Average RF	% RSD	9.7	20	0.5343	0.010
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	8.6	20	1.54	0.600
3-Nitroaniline	TRG	Average RF	% RSD	9.0	20	0.3786	0.010
4,6-Dinitro-2-methylphenol	TRG	Average RF	% RSD	13.7	20	0.1643	0.010
4-Bromophenyl Phenyl Ether	TRG	Average RF	% RSD	4.8	20	0.2503	0.100
4-Chloro-3-methylphenol	TRG	Average RF	% RSD	8.8	20	0.3247	0.200
4-Chloroaniline	TRG	Average RF	% RSD	2.9	20	0.4821	0.010
4-Chlorophenyl Phenyl Ether	TRG	Average RF	% RSD	3.8	20	0.7079	0.400
4-Nitroaniline	TRG	Average RF	% RSD	5.2	20	0.4022	0.010
4-Nitrophenol	TRG	Average RF	% RSD	11.1	20	0.2461	0.010
Acenaphthene	TRG	Average RF	% RSD	3.5	20	1.486	0.900
Acenaphthylene	TRG	Average RF	% RSD	3.8	20	2.125	0.900
Acetophenone	TRG	Average RF	% RSD	4.8	20	2.022	0.010
Anthracene	TRG	Average RF	% RSD	4.3	20	1.273	0.700
Atrazine	TRG	Average RF	% RSD	17.3	20	0.08938	0.010

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Benz(a)anthracene	TRG	Average RF	% RSD	4.8	20	1.331	0.800
Benzaldehyde	TRG	Average RF	% RSD	6.1	20	0.8422	0.010
Benzo(a)pyrene	TRG	Average RF	% RSD	11.5	20	1.154	0.700
Benzo(b)fluoranthene	TRG	Average RF	% RSD	7.2	20	1.385	0.700
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	5.8	20	1.039	0.500
Benzo(k)fluoranthene	TRG	Average RF	% RSD	6.8	20	1.293	0.700
Biphenyl	TRG	Average RF	% RSD	2.1	20	1.8	0.010
Bis(2-chloroethoxy)methane	TRG	Average RF	% RSD	4.3	20	0.4231	0.300
Bis(2-chloroethyl) Ether	TRG	Average RF	% RSD	7.9	20	1.213	0.700
Bis(2-ethylhexyl) Phthalate	TRG	Average RF	% RSD	7.7	20	1.017	0.010
Butyl Benzyl Phthalate	TRG	Average RF	% RSD	9.8	20	0.7046	0.010
Caprolactam	TRG	Average RF	% RSD	11.1	20	0.1119	0.010
Carbazole	TRG	Average RF	% RSD	6.5	20	1.207	0.010
Chrysene	TRG	Average RF	% RSD	5.3	20	1.264	0.700
Di-n-butyl Phthalate	TRG	Average RF	% RSD	6.5	20	1.674	0.010
Di-n-octyl Phthalate	TRG	Average RF	% RSD	12.6	20	1.613	0.010
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	8.2	20	1.258	0.400
Dibenzofuran	TRG	Average RF	% RSD	5.7	20	1.939	0.800
Diethyl Phthalate	TRG	Average RF	% RSD	3.7	20	1.681	0.010
Dimethyl Phthalate	TRG	Average RF	% RSD	4.0	20	1.598	0.010
Fluoranthene	TRG	Average RF	% RSD	8.6	20	1.423	0.600
Fluorene	TRG	Average RF	% RSD	5.7	20	1.571	0.900
Hexachlorobenzene	TRG	Average RF	% RSD	4.3	20	0.3183	0.100
Hexachlorobutadiene	TRG	Average RF	% RSD	4.8	20	0.2349	0.010
Hexachlorocyclopentadiene	TRG	Quadratic	COD	0.9994	0.99	0.3675	0.050
Hexachloroethane	TRG	Average RF	% RSD	7.8	20	0.6915	0.300
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	6.0	20	1.181	0.500
Isophorone	TRG	Average RF	% RSD	7.0	20	0.7098	0.400
N-Nitrosodi-n-propylamine	TRG	Average RF	% RSD	6.3	20	1.059	0.500
N-Nitrosodiphenylamine	TRG	Average RF	% RSD	3.8	20	0.6733	0.010
Naphthalene	TRG	Average RF	% RSD	3.7	20	1.187	0.700
Nitrobenzene	TRG	Average RF	% RSD	6.0	20	0.4195	0.200
Nitrobenzene-d5	SURR	Average RF	% RSD	3.2	20	0.4121	
Pentachlorophenol (PCP)	TRG	Average RF	% RSD	14.6	20	0.1741	0.050
Phenanthrene	TRG	Average RF	% RSD	2.7	20	1.297	0.700

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Phenol	TRG	Average RF	% RSD	8.4	20	1.865	0.800
Phenol-d6	SURR	Average RF	% RSD	7.2	20	1.746	
Pyrene	TRG	Average RF	% RSD	5.1	20	1.404	0.600
Terphenyl-d14	SURR	Average RF	% RSD	3.0	20	1.002	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900050-01	1 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR839.D	04/30/2019 09:40
02	RC1900050-02	2.5 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR840.D	04/30/2019 10:09
03	RC1900050-03	5.0 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR841.D	04/30/2019 10:38
04	RC1900050-04	10 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR842.D	04/30/2019 11:08
05	RC1900050-05	50 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR843.D	04/30/2019 12:00
06	RC1900050-06	80 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR844.D	04/30/2019 12:34
07	RC1900050-07	100 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR845.D	04/30/2019 13:03
08	RC1900050-08	120 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR846.D	04/30/2019 13:33
09	RC1900050-09	160 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR847.D	04/30/2019 14:03

Analyte

1,2,4,5-Tetrachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5289	02	2.500	0.5934	03	5.000	0.6187	04	10.000	0.5933
05	50.000	0.6157	06	80.000	0.5808	07	100.000	0.5798	08	120.000	0.5926
09	160.000	0.5952									

2,2'-Oxybis(1-chloropropane)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.253	02	2.500	1.357	03	5.000	1.437	04	10.000	1.327
05	50.000	1.356	06	80.000	1.295	07	100.000	1.26	08	120.000	1.216
09	160.000	1.198									

2,3,4,6-Tetrachlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	0.2342	03	5.000	0.215	04	10.000	0.2599	05	50.000	0.2883
06	80.000	0.2838	07	100.000	0.2809	08	120.000	0.2866	09	160.000	0.3039

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3726	02	2.500	0.3953	03	5.000	0.3995	04	10.000	0.3978
05	50.000	0.4221	06	80.000	0.4104	07	100.000	0.4098	08	120.000	0.3978
09	160.000	0.4042									

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1747	02	2.500	0.1654	03	5.000	0.1551	04	10.000	0.1612
05	50.000	0.172	06	80.000	0.1608	07	100.000	0.1599	08	120.000	0.1637
09	160.000	0.1614									

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.318	02	2.500	0.3439	03	5.000	0.3526	04	10.000	0.3849
05	50.000	0.4128	06	80.000	0.3803	07	100.000	0.3863	08	120.000	0.3863
09	160.000	0.3908									

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

2,4-Dichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2815	02	2.500	0.3026	03	5.000	0.2853	04	10.000	0.293
05	50.000	0.3265	06	80.000	0.3161	07	100.000	0.3012	08	120.000	0.2882
09	160.000	0.3134									

2,4-Dimethylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3704	02	2.500	0.3788	03	5.000	0.3783	04	10.000	0.3826
05	50.000	0.3967	06	80.000	0.393	07	100.000	0.3709	08	120.000	0.3612
09	160.000	0.3866									

2,4-Dinitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.04432	04	10.000	0.05868	05	50.000	0.1221	06	80.000	0.133
07	100.000	0.1415	08	120.000	0.1506	09	160.000	0.1687			

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4438	02	2.500	0.4351	03	5.000	0.4267	04	10.000	0.442
05	50.000	0.4752	06	80.000	0.4482	07	100.000	0.4512	08	120.000	0.452
09	160.000	0.4666									

2,6-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3469	02	2.500	0.3416	03	5.000	0.3348	04	10.000	0.3623
05	50.000	0.3481	06	80.000	0.3238	07	100.000	0.3372	08	120.000	0.3242
09	160.000	0.3406									

2-Chloronaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.285	02	2.500	1.346	03	5.000	1.291	04	10.000	1.318
05	50.000	1.331	06	80.000	1.25	07	100.000	1.227	08	120.000	1.231
09	160.000	1.248									

2-Chlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.606	02	2.500	1.459	03	5.000	1.463	04	10.000	1.529
05	50.000	1.648	06	80.000	1.56	07	100.000	1.535	08	120.000	1.491
09	160.000	1.529									

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.479	02	2.500	1.572	03	5.000	1.593	04	10.000	1.548
05	50.000	1.601	06	80.000	1.487	07	100.000	1.466	08	120.000	1.458
09	160.000	1.486									

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

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Analyte

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.443	02	2.500	1.427	03	5.000	1.463	04	10.000	1.514
05	50.000	1.504	06	80.000	1.479	07	100.000	1.452	08	120.000	1.397
09	160.000	1.415									

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6781	02	2.500	0.7805	03	5.000	0.741	04	10.000	0.7232
05	50.000	0.7164	06	80.000	0.7234	07	100.000	0.6859	08	120.000	0.6624
09	160.000	0.7104									

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.46	02	2.500	1.444	03	5.000	1.364	04	10.000	1.378
05	50.000	1.437	06	80.000	1.349	07	100.000	1.318	08	120.000	1.307
09	160.000	1.343									

2-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4105	02	2.500	0.3839	03	5.000	0.3695	04	10.000	0.3938
05	50.000	0.3809	06	80.000	0.3441	07	100.000	0.3363	08	120.000	0.3364
09	160.000	0.3395									

2-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2106	02	2.500	0.2004	03	5.000	0.203	04	10.000	0.2116
05	50.000	0.223	06	80.000	0.219	07	100.000	0.2085	08	120.000	0.2051
09	160.000	0.2172									

3,3'-Dichlorobenzidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5834	02	2.500	0.5314	03	5.000	0.5019	04	10.000	0.5176
05	50.000	0.5553	06	80.000	0.5389	07	100.000	0.5378	08	120.000	0.5117
09	160.000	0.5103									

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.649	02	2.500	1.542	03	5.000	1.493	04	10.000	1.598
05	50.000	1.615	06	80.000	1.56	07	100.000	1.524	08	120.000	1.519
09	160.000	1.531									

3-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3806	02	2.500	0.3893	03	5.000	0.3887	04	10.000	0.4043
05	50.000	0.4067	06	80.000	0.3863	07	100.000	0.3884	08	120.000	0.3784
09	160.000	0.3943									

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4,6-Dinitro-2-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.1126	05	50.000	0.1667	06	80.000	0.1575	07	100.000	0.1609
08	120.000	0.1606	09	160.000	0.1668						

4-Bromophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2288	02	2.500	0.2097	03	5.000	0.2243	04	10.000	0.2239
05	50.000	0.2132	06	80.000	0.2002	07	100.000	0.1969	08	120.000	0.1953
09	160.000	0.1899									

4-Chloro-3-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2999	02	2.500	0.302	03	5.000	0.2976	04	10.000	0.3106
05	50.000	0.3059	06	80.000	0.31	07	100.000	0.2948	08	120.000	0.281
09	160.000	0.3025									

4-Chloroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4618	02	2.500	0.4943	03	5.000	0.4612	04	10.000	0.4614
05	50.000	0.4631	06	80.000	0.4703	07	100.000	0.4495	08	120.000	0.4254
09	160.000	0.4648									

4-Chlorophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5906	02	2.500	0.6206	03	5.000	0.6001	04	10.000	0.6135
05	50.000	0.601	06	80.000	0.5696	07	100.000	0.5558	08	120.000	0.5564
09	160.000	0.5533									

4-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3429	02	2.500	0.3677	03	5.000	0.3677	04	10.000	0.4071
05	50.000	0.4114	06	80.000	0.4003	07	100.000	0.3916	08	120.000	0.38
09	160.000	0.4006									

4-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.2179	04	10.000	0.2296	05	50.000	0.2748	06	80.000	0.269
07	100.000	0.2552	08	120.000	0.268	09	160.000	0.2802			

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.419	02	2.500	1.489	03	5.000	1.439	04	10.000	1.456
05	50.000	1.47	06	80.000	1.404	07	100.000	1.373	08	120.000	1.392
09	160.000	1.402									

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.12	02	2.500	2.121	03	5.000	2.052	04	10.000	2.075

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Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	2.134	06	80.000	2.003	07	100.000	1.977	08	120.000	1.966
09	160.000	2.014									

Acetophenone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.032	02	2.500	1.952	03	5.000	2.053	04	10.000	1.952
05	50.000	2.003	06	80.000	1.882	07	100.000	1.86	08	120.000	1.844
09	160.000	1.848									

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.333	02	2.500	1.29	03	5.000	1.271	04	10.000	1.262
05	50.000	1.32	06	80.000	1.234	07	100.000	1.22	08	120.000	1.187
09	160.000	1.195									

Atrazine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.111	02	2.500	0.1213	03	5.000	0.1144	04	10.000	0.1341
05	50.000	0.126	06	80.000	0.1122	07	100.000	0.1101	08	120.000	0.1023
09	160.000	0.09809									

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.48	02	2.500	1.418	03	5.000	1.337	04	10.000	1.369
05	50.000	1.393	06	80.000	1.361	07	100.000	1.32	08	120.000	1.282
09	160.000	1.264									

Benzaldehyde

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.031	02	5.000	1.079	03	10.000	1.042	04	20.000	1.04
05	50.000	1.096	06	80.000	0.9889	07	100.000	0.9742	08	120.000	0.934

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.161	02	2.500	1.118	03	5.000	1.125	04	10.000	1.152
05	50.000	1.251	06	80.000	1.165	07	100.000	1.176	08	120.000	1.153
09	160.000	1.001									

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.33	02	2.500	1.406	03	5.000	1.299	04	10.000	1.346
05	50.000	1.445	06	80.000	1.352	07	100.000	1.333	08	120.000	1.314
09	160.000	1.154									

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.031	02	2.500	1.056	03	5.000	0.9838	04	10.000	1.045

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Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	1.023	06	80.000	0.9649	07	100.000	0.9232	08	120.000	0.9074
09	160.000	0.7734									

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.3	02	2.500	1.295	03	5.000	1.235	04	10.000	1.326
05	50.000	1.349	06	80.000	1.294	07	100.000	1.262	08	120.000	1.231
09	160.000	1.055									

Biphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.734	02	2.500	1.876	03	5.000	1.81	04	10.000	1.798
05	50.000	1.826	06	80.000	1.749	07	100.000	1.716	08	120.000	1.702
09	160.000	1.738									

Bis(2-chloroethoxy)methane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3727	02	2.500	0.4035	03	5.000	0.4364	04	10.000	0.4028
05	50.000	0.4263	06	80.000	0.4058	07	100.000	0.3876	08	120.000	0.367
09	160.000	0.3938									

Bis(2-chloroethyl) Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.557	02	2.500	1.38	03	5.000	1.309	04	10.000	1.381
05	50.000	1.39	06	80.000	1.325	07	100.000	1.289	08	120.000	1.249
09	160.000	1.295									

Bis(2-ethylhexyl) Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.213	02	2.500	1.141	03	5.000	1.079	04	10.000	1.107
05	50.000	1.18	06	80.000	1.136	07	100.000	1.115	08	120.000	1.072
09	160.000	1.05									

Butyl Benzyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.8032	02	2.500	0.8574	03	5.000	0.813	04	10.000	0.83
05	50.000	0.8672	06	80.000	0.8243	07	100.000	0.8091	08	120.000	0.7711
09	160.000	0.7583									

Caprolactam

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1364	02	2.500	0.1213	03	5.000	0.1283	04	10.000	0.1219
05	50.000	0.1175	06	80.000	0.114	07	100.000	0.1125	08	120.000	0.1052
09	160.000	0.1163									

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Carbazole

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.247	02	2.500	1.213	03	5.000	1.227	04	10.000	1.285
05	50.000	1.338	06	80.000	1.242	07	100.000	1.204	08	120.000	1.169
09	160.000	1.185									

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.339	02	2.500	1.318	03	5.000	1.237	04	10.000	1.259
05	50.000	1.29	06	80.000	1.255	07	100.000	1.216	08	120.000	1.18
09	160.000	1.151									

Di-n-butyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.56	02	2.500	1.549	03	5.000	1.552	04	10.000	1.688
05	50.000	1.783	06	80.000	1.583	07	100.000	1.587	08	120.000	1.533
09	160.000	1.528									

Di-n-octyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.951	02	2.500	1.907	03	5.000	1.778	04	10.000	1.968
05	50.000	2.049	06	80.000	1.915	07	100.000	1.956	08	120.000	1.892
09	160.000	1.669									

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.263	02	2.500	1.218	03	5.000	1.199	04	10.000	1.223
05	50.000	1.263	06	80.000	1.191	07	100.000	1.147	08	120.000	1.121
09	160.000	0.9604									

Dibenzofuran

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.786	02	2.500	1.795	03	5.000	1.81	04	10.000	1.807
05	50.000	1.843	06	80.000	1.744	07	100.000	1.71	08	120.000	1.695
09	160.000	1.67									

Diethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.534	02	2.500	1.587	03	5.000	1.529	04	10.000	1.486
05	50.000	1.494	06	80.000	1.434	07	100.000	1.435	08	120.000	1.406
09	160.000	1.441									

Dimethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.585	02	2.500	1.706	03	5.000	1.553	04	10.000	1.563
05	50.000	1.478	06	80.000	1.397	07	100.000	1.376	08	120.000	1.382
09	160.000	1.437									

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Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.227	02	2.500	1.276	03	5.000	1.193	04	10.000	1.377
05	50.000	1.404	06	80.000	1.312	07	100.000	1.303	08	120.000	1.274
09	160.000	1.291									

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.511	02	2.500	1.545	03	5.000	1.51	04	10.000	1.525
05	50.000	1.482	06	80.000	1.377	07	100.000	1.373	08	120.000	1.34
09	160.000	1.375									

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2539	02	2.500	0.2613	03	5.000	0.2392	04	10.000	0.2554
05	50.000	0.2352	06	80.000	0.22	07	100.000	0.215	08	120.000	0.2188
09	160.000	0.218									

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1514	02	2.500	0.171	03	5.000	0.1631	04	10.000	0.1734
05	50.000	0.1623	06	80.000	0.16	07	100.000	0.1521	08	120.000	0.1507
09	160.000	0.1627									

Hexachlorocyclopentadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	0.1136	03	5.000	0.1468	04	10.000	0.194	05	50.000	0.2791
06	80.000	0.2857	07	100.000	0.2936	08	120.000	0.2991	09	160.000	0.3061

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7048	02	2.500	0.5747	03	5.000	0.6452	04	10.000	0.6405
05	50.000	0.654	06	80.000	0.6191	07	100.000	0.6152	08	120.000	0.6045
09	160.000	0.6072									

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.268	02	2.500	1.084	03	5.000	1.13	04	10.000	1.187
05	50.000	1.192	06	80.000	1.115	07	100.000	1.116	08	120.000	1.068
09	160.000	0.9437									

Isophorone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.665	02	2.500	0.6942	03	5.000	0.7157	04	10.000	0.7049
05	50.000	0.7047	06	80.000	0.6821	07	100.000	0.6506	08	120.000	0.6268
09	160.000	0.6718									

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Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

N-Nitrosodi-n-propylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.107	02	2.500	1.13	03	5.000	1.018	04	10.000	1.081
05	50.000	1.095	06	80.000	0.9965	07	100.000	1.019	08	120.000	0.9686
09	160.000	0.984									

N-Nitrosodiphenylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.697	02	5.000	0.7372	03	10.000	0.7476	04	20.000	0.7795
05	100.000	0.7293	06	160.000	0.6858	07	200.000	0.6767	08	240.000	0.6564
09	320.000	0.652									

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.135	02	2.500	1.179	03	5.000	1.148	04	10.000	1.125
05	50.000	1.11	06	80.000	1.101	07	100.000	1.052	08	120.000	1.007
09	160.000	1.063									

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4148	02	2.500	0.4549	03	5.000	0.4187	04	10.000	0.4227
05	50.000	0.4188	06	80.000	0.4018	07	100.000	0.379	08	120.000	0.367
09	160.000	0.3915									

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4335	02	2.500	0.4454	03	5.000	0.4165	04	10.000	0.4138
05	50.000	0.4086	06	80.000	0.4029	07	100.000	0.3797	08	120.000	0.3625
09	160.000	0.3902									

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.03174	04	10.000	0.04305	05	50.000	0.085	06	80.000	0.08922
07	100.000	0.09108	08	120.000	0.09206	09	160.000	0.1045			

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.365	02	2.500	1.339	03	5.000	1.262	04	10.000	1.28
05	50.000	1.315	06	80.000	1.233	07	100.000	1.226	08	120.000	1.18
09	160.000	1.185									

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.851	02	2.500	1.937	03	5.000	1.944	04	10.000	1.991
05	50.000	2.091	06	80.000	1.989	07	100.000	1.943	08	120.000	1.909
09	160.000	1.939									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.6	02	2.500	1.787	03	5.000	1.767	04	10.000	1.795
05	50.000	1.955	06	80.000	1.837	07	100.000	1.811	08	120.000	1.769
09	160.000	1.765									

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.402	02	2.500	1.402	03	5.000	1.419	04	10.000	1.463
05	50.000	1.571	06	80.000	1.534	07	100.000	1.52	08	120.000	1.471
09	160.000	1.437									

Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9164	02	2.500	0.9555	03	5.000	0.9282	04	10.000	0.9467
05	50.000	0.9983	06	80.000	0.9604	07	100.000	0.9567	08	120.000	0.9219
09	160.000	0.8965									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,2,4,5-Tetrachlorobenzene	TRG	Average RF	% RSD	4.4	20	0.5887	0.010
2,2'-Oxybis(1-chloropropane)	TRG	Average RF	% RSD	5.9	20	1.3	0.010
2,3,4,6-Tetrachlorophenol	TRG	Average RF	% RSD	11.3	20	0.2691	0.010
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	3.4	20	0.4011	0.200
2,4,6-Tribromophenol	SURR	Average RF	% RSD	3.8	20	0.1638	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	7.8	20	0.3729	0.200
2,4-Dichlorophenol	TRG	Average RF	% RSD	5.1	20	0.3009	0.200
2,4-Dimethylphenol	TRG	Average RF	% RSD	3.0	20	0.3798	0.200
2,4-Dinitrophenol	TRG	Quadratic	COD	0.9992	0.99	0.117	0.010
2,4-Dinitrotoluene	TRG	Average RF	% RSD	3.3	20	0.449	0.200
2,6-Dinitrotoluene	TRG	Average RF	% RSD	3.5	20	0.3399	0.200
2-Chloronaphthalene	TRG	Average RF	% RSD	3.5	20	1.281	0.800
2-Chlorophenol	TRG	Average RF	% RSD	4.1	20	1.536	0.800
2-Fluorobiphenyl	SURR	Average RF	% RSD	3.8	20	1.521	
2-Fluorophenol	SURR	Average RF	% RSD	2.7	20	1.455	
2-Methylnaphthalene	TRG	Average RF	% RSD	5.0	20	0.7135	0.400
2-Methylphenol	TRG	Average RF	% RSD	4.1	20	1.378	0.700
2-Nitroaniline	TRG	Average RF	% RSD	7.6	20	0.3661	0.010
2-Nitrophenol	TRG	Average RF	% RSD	3.6	20	0.2109	0.100
3,3'-Dichlorobenzidine	TRG	Average RF	% RSD	4.8	20	0.5321	0.010
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	3.3	20	1.559	0.600
3-Nitroaniline	TRG	Average RF	% RSD	2.5	20	0.3908	0.010
4,6-Dinitro-2-methylphenol	TRG	Average RF	% RSD	13.4	20	0.1542	0.010
4-Bromophenyl Phenyl Ether	TRG	Average RF	% RSD	6.8	20	0.2092	0.100
4-Chloro-3-methylphenol	TRG	Average RF	% RSD	3.0	20	0.3005	0.200
4-Chloroaniline	TRG	Average RF	% RSD	3.9	20	0.4613	0.010
4-Chlorophenyl Phenyl Ether	TRG	Average RF	% RSD	4.5	20	0.5845	0.400
4-Nitroaniline	TRG	Average RF	% RSD	5.9	20	0.3855	0.010
4-Nitrophenol	TRG	Average RF	% RSD	9.3	20	0.2564	0.010
Acenaphthene	TRG	Average RF	% RSD	2.7	20	1.427	0.900
Acenaphthylene	TRG	Average RF	% RSD	3.2	20	2.051	0.900
Acetophenone	TRG	Average RF	% RSD	4.2	20	1.936	0.010
Anthracene	TRG	Average RF	% RSD	4.1	20	1.257	0.700
Atrazine	TRG	Average RF	% RSD	9.9	20	0.1144	0.010

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Benz(a)anthracene	TRG	Average RF	% RSD	5.0	20	1.358	0.800
Benzaldehyde	TRG	Average RF	% RSD	5.3	20	1.023	0.010
Benzo(a)pyrene	TRG	Average RF	% RSD	5.8	20	1.145	0.700
Benzo(b)fluoranthene	TRG	Average RF	% RSD	6.0	20	1.331	0.700
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	9.3	20	0.9676	0.500
Benzo(k)fluoranthene	TRG	Average RF	% RSD	6.9	20	1.261	0.700
Biphenyl	TRG	Average RF	% RSD	3.3	20	1.772	0.010
Bis(2-chloroethoxy)methane	TRG	Average RF	% RSD	5.7	20	0.3995	0.300
Bis(2-chloroethyl) Ether	TRG	Average RF	% RSD	6.7	20	1.353	0.700
Bis(2-ethylhexyl) Phthalate	TRG	Average RF	% RSD	4.7	20	1.121	0.010
Butyl Benzyl Phthalate	TRG	Average RF	% RSD	4.4	20	0.8149	0.010
Caprolactam	TRG	Average RF	% RSD	7.7	20	0.1193	0.010
Carbazole	TRG	Average RF	% RSD	4.2	20	1.235	0.010
Chrysene	TRG	Average RF	% RSD	4.9	20	1.25	0.700
Di-n-butyl Phthalate	TRG	Average RF	% RSD	5.3	20	1.596	0.010
Di-n-octyl Phthalate	TRG	Average RF	% RSD	5.9	20	1.898	0.010
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	8.0	20	1.176	0.400
Dibenzofuran	TRG	Average RF	% RSD	3.4	20	1.762	0.800
Diethyl Phthalate	TRG	Average RF	% RSD	4.0	20	1.483	0.010
Dimethyl Phthalate	TRG	Average RF	% RSD	7.5	20	1.497	0.010
Fluoranthene	TRG	Average RF	% RSD	5.1	20	1.295	0.600
Fluorene	TRG	Average RF	% RSD	5.6	20	1.449	0.900
Hexachlorobenzene	TRG	Average RF	% RSD	7.7	20	0.2352	0.100
Hexachlorobutadiene	TRG	Average RF	% RSD	5.1	20	0.1607	0.010
Hexachlorocyclopentadiene	TRG	Quadratic	COD	0.9961	0.99	0.2398	0.050
Hexachloroethane	TRG	Average RF	% RSD	5.9	20	0.6295	0.300
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	8.1	20	1.123	0.500
Isophorone	TRG	Average RF	% RSD	4.3	20	0.6795	0.400
N-Nitrosodi-n-propylamine	TRG	Average RF	% RSD	5.7	20	1.044	0.500
N-Nitrosodiphenylamine	TRG	Average RF	% RSD	6.2	20	0.7068	0.010
Naphthalene	TRG	Average RF	% RSD	4.8	20	1.102	0.700
Nitrobenzene	TRG	Average RF	% RSD	6.4	20	0.4077	0.200
Nitrobenzene-d5	SURR	Average RF	% RSD	6.4	20	0.4059	
Pentachlorophenol (PCP)	TRG	Quadratic	COD	0.9980	0.99	0.07666	0.050
Phenanthrene	TRG	Average RF	% RSD	5.2	20	1.265	0.700

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

**Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Phenol	TRG	Average RF	% RSD	3.4	20	1.955	0.800
Phenol-d6	SURR	Average RF	% RSD	5.1	20	1.787	
Pyrene	TRG	Average RF	% RSD	4.1	20	1.469	0.600
Terphenyl-d14	SURR	Average RF	% RSD	3.2	20	0.9423	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
05	RC1900040-05	ICV	I:\ACQUADATA\5973D\Data\031419\BR287.D	03/14/2019 18:00

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	73.6	7.077E-1	6.51E-1	-8.008	±30	Average RF
2,3,4,6-Tetrachlorophenol	80.0	74.0	3.887E-1	3.593E-1	-7.558	±30	Average RF
2,4,5-Trichlorophenol	80.0	72.2	4.626E-1	4.177E-1	-9.712	±30	Average RF
2,4,6-Trichlorophenol	80.0	83.5	4.221E-1	4.406E-1	4.38	±30	Average RF
2,4-Dichlorophenol	80.0	79.6	3.382E-1	3.363E-1	-0.553	±30	Average RF
2,4-Dimethylphenol	80.0	77.9	4.023E-1	3.916E-1	-2.667	±30	Average RF
2,4-Dinitrophenol	80.0	79.9	1.744E-1	1.945E-1	-0.134	±30	Quadratic
2,4-Dinitrotoluene	80.0	74.8	4.856E-1	4.539E-1	-6.540	±30	Average RF
2,6-Dinitrotoluene	80.0	75.5	3.438E-1	3.244E-1	-5.644	±30	Average RF
2-Chloronaphthalene	80.0	76.0	1.32E0	1.254E0	-4.980	±30	Average RF
2-Chlorophenol	80.0	79.9	1.533E0	1.531E0	-0.127	±30	Average RF
2-Methylnaphthalene	80.0	70.5	8.106E-1	7.146E-1	-11.841	±30	Average RF
2-Methylphenol	80.0	78.9	1.33E0	1.312E0	-1.353	±30	Average RF
2-Nitroaniline	80.0	85.8	3.511E-1	3.767E-1	7.28	±30	Average RF
2-Nitrophenol	80.0	75.2	2.212E-1	2.08E-1	-5.938	±30	Average RF
3,3'-Dichlorobenzidine	80.0	81.7	5.343E-1	5.454E-1	2.07	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	80.3	1.54E0	1.546E0	0.381	±30	Average RF
3-Nitroaniline	80.0	87.0	3.786E-1	4.119E-1	8.78	±30	Average RF
4,6-Dinitro-2-methylphenol	80.0	78.2	1.643E-1	1.606E-1	-2.264	±30	Average RF
4-Bromophenyl Phenyl Ether	80.0	79.8	2.503E-1	2.495E-1	-0.307	±30	Average RF
4-Chloro-3-methylphenol	80.0	77.7	3.247E-1	3.153E-1	-2.918	±30	Average RF
4-Chloroaniline	80.0	77.1	4.821E-1	4.646E-1	-3.619	±30	Average RF
4-Chlorophenyl Phenyl Ether	80.0	78.5	7.079E-1	6.945E-1	-1.899	±30	Average RF
4-Nitroaniline	80.0	83.7	4.022E-1	4.21E-1	4.67	±30	Average RF
4-Nitrophenol	80.0	76.3	2.461E-1	2.347E-1	-4.637	±30	Average RF
Acenaphthene	80.0	72.5	1.486E0	1.347E0	-9.328	±30	Average RF
Acenaphthylene	80.0	78.7	2.125E0	2.09E0	-1.674	±30	Average RF
Acetophenone	80.0	79.0	2.022E0	1.997E0	-1.231	±30	Average RF
Anthracene	80.0	74.4	1.273E0	1.184E0	-7.027	±30	Average RF
Atrazine	80.0	80.3	8.938E-2	8.971E-2	0.363	±30	Average RF
Benz(a)anthracene	80.0	76.1	1.331E0	1.266E0	-4.861	±30	Average RF
Benzaldehyde	80.0	77.7	8.422E-1	8.18E-1	-2.866	±30	Average RF
Benzo(a)pyrene	80.0	79.1	1.154E0	1.142E0	-1.098	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

**Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzo(b)fluoranthene	80.0	76.4	1.385E0	1.323E0	-4.498	±30	Average RF
Benzo(g,h,i)perylene	80.0	90.0	1.039E0	1.169E0	12.50	±30	Average RF
Benzo(k)fluoranthene	80.0	76.8	1.293E0	1.241E0	-4.042	±30	Average RF
Biphenyl	80.0	79.4	1.8E0	1.786E0	-0.774	±30	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	100	1.258E0	1.573E0	25.08	±30	Average RF
Bis(2-chloroethoxy)methane	80.0	78.3	4.231E-1	4.142E-1	-2.110	±30	Average RF
Bis(2-chloroethyl) Ether	80.0	82.3	1.213E0	1.248E0	2.86	±30	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	73.6	1.017E0	9.354E-1	-8.031	±30	Average RF
Butyl Benzyl Phthalate	80.0	77.0	7.046E-1	6.779E-1	-3.790	±30	Average RF
Caprolactam	80.0	80.9	1.119E-1	1.132E-1	1.15	±30	Average RF
Carbazole	80.0	79.9	1.207E0	1.205E0	-0.172	±30	Average RF
Chrysene	80.0	77.0	1.264E0	1.218E0	-3.688	±30	Average RF
Di-n-butyl Phthalate	80.0	73.7	1.674E0	1.543E0	-7.842	±30	Average RF
Di-n-octyl Phthalate	80.0	74.4	1.613E0	1.501E0	-6.973	±30	Average RF
Dibenz(a,h)anthracene	80.0	75.1	1.258E0	1.181E0	-6.155	±30	Average RF
Dibenzofuran	80.0	76.3	1.939E0	1.85E0	-4.615	±30	Average RF
Diethyl Phthalate	80.0	71.1	1.681E0	1.495E0	-11.080	±30	Average RF
Dimethyl Phthalate	80.0	71.4	1.598E0	1.426E0	-10.735	±30	Average RF
Fluoranthene	80.0	77.1	1.423E0	1.372E0	-3.624	±30	Average RF
Fluorene	80.0	73.5	1.571E0	1.443E0	-8.176	±30	Average RF
Hexachlorobenzene	80.0	74.0	3.183E-1	2.946E-1	-7.449	±30	Average RF
Hexachlorobutadiene	80.0	76.6	2.349E-1	2.249E-1	-4.252	±30	Average RF
Hexachlorocyclopentadiene	80.0	78.3	3.675E-1	4.071E-1	-2.158	±30	Quadratic
Hexachloroethane	80.0	79.1	6.915E-1	6.834E-1	-1.176	±30	Average RF
Indeno(1,2,3-cd)pyrene	80.0	77.2	1.181E0	1.139E0	-3.532	±30	Average RF
Isophorone	80.0	65.5	7.098E-1	5.815E-1	-18.073	±30	Average RF
N-Nitrosodi-n-propylamine	80.0	82.3	1.059E0	1.09E0	2.92	±30	Average RF
N-Nitrosodiphenylamine	160	157	6.733E-1	6.616E-1	-1.727	±30	Average RF
Naphthalene	80.0	77.4	1.187E0	1.149E0	-3.237	±30	Average RF
Nitrobenzene	80.0	73.5	4.195E-1	3.856E-1	-8.084	±30	Average RF
Pentachlorophenol (PCP)	80.0	85.8	1.741E-1	1.867E-1	7.26	±30	Average RF
Phenanthrene	80.0	73.3	1.297E0	1.187E0	-8.424	±30	Average RF
Phenol	80.0	77.7	1.865E0	1.812E0	-2.834	±30	Average RF
Pyrene	80.0	77.5	1.404E0	1.36E0	-3.138	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 3/14/2019

**Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900040
Instrument ID: R-MS-54

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	80.3	2.899E-1	2.91E-1	0.394	±30	Average RF
2-Fluorobiphenyl	80.0	77.7	1.568E0	1.522E0	-2.922	±30	Average RF
2-Fluorophenol	80.0	79.7	1.407E0	1.401E0	-0.430	±30	Average RF
Nitrobenzene-d5	80.0	75.9	4.121E-1	3.911E-1	-5.101	±30	Average RF
Phenol-d6	80.0	77.8	1.746E0	1.697E0	-2.795	±30	Average RF
Terphenyl-d14	80.0	77.9	1.002E0	9.748E-1	-2.684	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900050-10	ICV	I:\ACQUATA\5973A\DATA\043019\DR848.D	04/30/2019 14:39
11	RC1900050-11	ICV #2	I:\ACQUATA\5973A\DATA\043019\DR849.D	04/30/2019 15:07

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	78.0	5.887E-1	5.739E-1	-2.508	±30	Average RF
2,3,4,6-Tetrachlorophenol	80.0	79.5	2.691E-1	2.675E-1	-0.593	±30	Average RF
2,4,5-Trichlorophenol	80.0	79.3	4.011E-1	3.974E-1	-0.902	±30	Average RF
2,4,6-Trichlorophenol	80.0	87.2	3.729E-1	4.063E-1	8.95	±30	Average RF
2,4-Dichlorophenol	80.0	84.6	3.009E-1	3.183E-1	5.79	±30	Average RF
2,4-Dimethylphenol	80.0	83.7	3.798E-1	3.976E-1	4.67	±30	Average RF
2,4-Dinitrophenol	80.0	83.1	1.17E-1	1.377E-1	3.90	±30	Quadratic
2,4-Dinitrotoluene	80.0	78.1	4.49E-1	4.381E-1	-2.416	±30	Average RF
2,6-Dinitrotoluene	80.0	77.2	3.399E-1	3.282E-1	-3.454	±30	Average RF
2-Chloronaphthalene	80.0	79.4	1.281E0	1.271E0	-0.742	±30	Average RF
2-Chlorophenol	80.0	82.7	1.536E0	1.587E0	3.36	±30	Average RF
2-Methylnaphthalene	80.0	79.9	7.135E-1	7.122E-1	-0.175	±30	Average RF
2-Methylphenol	80.0	78.0	1.378E0	1.344E0	-2.450	±30	Average RF
2-Nitroaniline	32.0	32.4	3.661E-1	3.712E-1	1.40	±30	Average RF
2-Nitrophenol	80.0	84.0	2.109E-1	2.215E-1	5.00	±30	Average RF
3,3'-Dichlorobenzidine	80.0	75.3	5.321E-1	5.009E-1	-5.852	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	75.5	1.559E0	1.472E0	-5.582	±30	Average RF
3-Nitroaniline	32.0	33.9	3.908E-1	4.142E-1	5.98	±30	Average RF
4,6-Dinitro-2-methylphenol	80.0	86.2	1.542E-1	1.662E-1	7.80	±30	Average RF
4-Bromophenyl Phenyl Ether	80.0	83.1	2.092E-1	2.173E-1	3.88	±30	Average RF
4-Chloro-3-methylphenol	80.0	85.9	3.005E-1	3.225E-1	7.34	±30	Average RF
4-Chloroaniline	80.0	79.3	4.613E-1	4.573E-1	-0.868	±30	Average RF
4-Chlorophenyl Phenyl Ether	80.0	84.8	5.845E-1	6.197E-1	6.03	±30	Average RF
4-Nitroaniline	32.0	34.9	3.855E-1	4.199E-1	8.95	±30	Average RF
4-Nitrophenol	80.0	80.6	2.564E-1	2.583E-1	0.728	±30	Average RF
Acenaphthene	80.0	77.0	1.427E0	1.374E0	-3.696	±30	Average RF
Acenaphthylene	80.0	83.0	2.051E0	2.128E0	3.73	±30	Average RF
Acetophenone	32.0	31.3	1.936E0	1.892E0	-2.270	±30	Average RF
Anthracene	80.0	79.6	1.257E0	1.25E0	-0.549	±30	Average RF
Atrazine	80.0	85.9	1.144E-1	1.228E-1	7.33	±30	Average RF
Benz(a)anthracene	80.0	77.8	1.358E0	1.32E0	-2.782	±30	Average RF
Benzaldehyde	50.0	110	1.023E0	2.26E0	120.90*	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

**Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzo(a)pyrene	80.0	83.0	1.145E0	1.187E0	3.73	±30	Average RF
Benzo(b)fluoranthene	80.0	79.4	1.331E0	1.321E0	-0.775	±30	Average RF
Benzo(g,h,i)perylene	80.0	92.7	9.676E-1	1.122E0	15.93	±30	Average RF
Benzo(k)fluoranthene	80.0	81.4	1.261E0	1.282E0	1.70	±30	Average RF
Biphenyl	32.0	32.4	1.772E0	1.794E0	1.22	±30	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	99.1	1.3E0	1.61E0	23.85	±30	Average RF
Bis(2-chloroethoxy)methane	80.0	86.3	3.995E-1	4.312E-1	7.92	±30	Average RF
Bis(2-chloroethyl) Ether	80.0	80.8	1.353E0	1.367E0	1.06	±30	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	78.5	1.121E0	1.1E0	-1.923	±30	Average RF
Butyl Benzyl Phthalate	80.0	79.2	8.149E-1	8.072E-1	-0.939	±30	Average RF
Caprolactam	32.0	32.2	1.193E-1	1.201E-1	0.703	±30	Average RF
Carbazole	32.0	33.3	1.235E0	1.285E0	4.10	±30	Average RF
Chrysene	80.0	82.6	1.25E0	1.291E0	3.30	±30	Average RF
Di-n-butyl Phthalate	80.0	79.0	1.596E0	1.577E0	-1.190	±30	Average RF
Di-n-octyl Phthalate	80.0	76.5	1.898E0	1.816E0	-4.363	±30	Average RF
Dibenz(a,h)anthracene	80.0	79.3	1.176E0	1.167E0	-0.816	±30	Average RF
Dibenzofuran	80.0	80.6	1.762E0	1.774E0	0.688	±30	Average RF
Diethyl Phthalate	80.0	72.5	1.483E0	1.344E0	-9.403	±30	Average RF
Dimethyl Phthalate	80.0	72.7	1.497E0	1.361E0	-9.126	±30	Average RF
Fluoranthene	80.0	81.6	1.295E0	1.321E0	2.01	±30	Average RF
Fluorene	80.0	77.8	1.449E0	1.409E0	-2.776	±30	Average RF
Hexachlorobenzene	80.0	76.3	2.352E-1	2.245E-1	-4.570	±30	Average RF
Hexachlorobutadiene	80.0	80.5	1.607E-1	1.616E-1	0.569	±30	Average RF
Hexachlorocyclopentadiene	80.0	83.5	2.398E-1	2.903E-1	4.43	±30	Quadratic
Hexachloroethane	80.0	80.6	6.295E-1	6.34E-1	0.713	±30	Average RF
Indeno(1,2,3-cd)pyrene	80.0	80.5	1.123E0	1.13E0	0.648	±30	Average RF
Isophorone	80.0	72.0	6.795E-1	6.114E-1	-10.033	±30	Average RF
N-Nitrosodi-n-propylamine	32.0	33.1	1.044E0	1.08E0	3.43	±30	Average RF
N-Nitrosodiphenylamine	64.0	65.2	7.068E-1	7.196E-1	1.80	±30	Average RF
Naphthalene	80.0	84.1	1.102E0	1.159E0	5.09	±30	Average RF
Nitrobenzene	80.0	78.0	4.077E-1	3.975E-1	-2.510	±30	Average RF
Pentachlorophenol (PCP)	80.0	82.5	7.666E-2	8.985E-2	3.07	±30	Quadratic
Phenanthrene	80.0	78.8	1.265E0	1.247E0	-1.456	±30	Average RF
Phenol	80.0	77.0	1.955E0	1.883E0	-3.690	±30	Average RF
Pyrene	80.0	82.1	1.469E0	1.507E0	2.57	±30	Average RF

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/30/2019

**Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	1.638E-1	1.582E-1	-3.438	±30	Average RF
2-Fluorobiphenyl	80.0	76.6	1.521E0	1.456E0	-4.259	±30	Average RF
2-Fluorophenol	80.0	77.0	1.455E0	1.399E0	-3.810	±30	Average RF
Nitrobenzene-d5	80.0	76.0	4.059E-1	3.857E-1	-4.978	±30	Average RF
Phenol-d6	80.0	79.6	1.787E0	1.778E0	-0.501	±30	Average RF
Terphenyl-d14	80.0	79.5	9.423E-1	9.366E-1	-0.605	±30	Average RF

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/07/19 13:01

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973D\Data\050719\BR663.D\
Signal ID: 1

Calibration Date: 3/14/2019
Calibration ID: RC1900040
Analysis Lot: 634539
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	76.0	0.7077	0.6726	-5.0	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	73.6	0.3887	0.3577	-8.0	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	71.3	0.4626	0.4121	-10.9	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	75.5	0.4221	0.3981	-5.7	NA	±20	Average RF
2,4-Dichlorophenol	80.0	78.3	0.3382	0.3309	-2.2	NA	±20	Average RF
2,4-Dimethylphenol	80.0	75.9	0.4023	0.3816	-5.2	NA	±20	Average RF
2,4-Dinitrophenol	80.0	60.2	0.1744	0.14	NA	-24.7*	±20	Quadratic
2,4-Dinitrotoluene	80.0	76.5	0.4856	0.4645	-4.3	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	77.0	0.3438	0.3311	-3.7	NA	±20	Average RF
2-Chloronaphthalene	80.0	73.7	1.3196	1.216	-7.9	NA	±20	Average RF
2-Chlorophenol	80.0	75.7	1.5329	1.4505	-5.4	NA	±20	Average RF
2-Methylnaphthalene	80.0	72.1	0.8106	0.7303	-9.9	NA	±20	Average RF
2-Methylphenol	80.0	72.8	1.3302	1.2104	-9.0	NA	±20	Average RF
2-Nitroaniline	80.0	76.7	0.3511	0.3366	-4.1	NA	±20	Average RF
2-Nitrophenol	80.0	74.3	0.2212	0.2054	-7.1	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	79.0	0.5343	0.5278	-1.2	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	73.0	1.5398	1.4057	-8.7	NA	±20	Average RF
3-Nitroaniline	80.0	77.3	0.3786	0.3658	-3.4	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	66.2	0.1643	0.1359	-17.3	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	76.1	0.2503	0.238	-4.9	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	77.9	0.3247	0.3161	-2.7	NA	±20	Average RF
4-Chloroaniline	80.0	77.8	0.4821	0.4689	-2.7	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	73.0	0.7079	0.6457	-8.8	NA	±20	Average RF
4-Nitroaniline	80.0	72.0	0.4022	0.3621	-10.0	NA	±20	Average RF
4-Nitrophenol	80.0	96.8	0.2461	0.2979	21.0*	NA	±20	Average RF
Acenaphthene	80.0	72.8	1.4857	1.3514	-9.0	NA	±20	Average RF
Acenaphthylene	80.0	73.2	2.1255	1.945	-8.5	NA	±20	Average RF
Acetophenone	80.0	74.1	2.0224	1.872	-7.4	NA	±20	Average RF
Anthracene	80.0	74.1	1.2731	1.1792	-7.4	NA	±20	Average RF
Atrazine	80.0	94.6	0.0894	0.1057	18.3	NA	±20	Average RF
Benz(a)anthracene	80.0	75.6	1.3311	1.2581	-5.5	NA	±20	Average RF
Benzaldehyde	80.0	64.4	0.8422	0.6781	-19.5	NA	±20	Average RF
Benzo(a)pyrene	80.0	78.7	1.1544	1.1353	-1.7	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	75.8	1.3855	1.312	-5.3	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	75.0	1.0387	0.9739	-6.2	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	76.2	1.2933	1.2325	-4.7	NA	±20	Average RF
Biphenyl	80.0	73.4	1.7997	1.6504	-8.3	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	71.0	1.2578	1.1167	-11.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	71.6	0.4231	0.3786	-10.5	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/07/19 13:01

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973D\Data\050719\BR663.D\
Signal ID: 1

Calibration Date: 3/14/2019
Calibration ID: RC1900040
Analysis Lot: 634539
Units: ppm

Bis(2-chloroethyl) Ether	80.0	71.3	1.2134	1.0814	-10.9	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	76.5	1.0171	0.9731	-4.3	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	77.9	0.7046	0.6862	-2.6	NA	±20	Average RF
Caprolactam	80.0	70.4	0.1119	0.0985	-12.0	NA	±20	Average RF
Carbazole	80.0	75.0	1.2068	1.131	-6.3	NA	±20	Average RF
Chrysene	80.0	74.4	1.2643	1.1751	-7.1	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	75.1	1.6743	1.5713	-6.2	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	77.4	1.6133	1.5615	-3.2	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	75.7	1.2581	1.1904	-5.4	NA	±20	Average RF
Dibenzofuran	80.0	72.2	1.9392	1.7491	-9.8	NA	±20	Average RF
Diethyl Phthalate	80.0	74.7	1.6809	1.5703	-6.6	NA	±20	Average RF
Dimethyl Phthalate	80.0	73.2	1.5979	1.462	-8.5	NA	±20	Average RF
Fluoranthene	80.0	76.4	1.4232	1.3591	-4.5	NA	±20	Average RF
Fluorene	80.0	73.0	1.5713	1.4342	-8.7	NA	±20	Average RF
Hexachlorobenzene	80.0	73.8	0.3183	0.2936	-7.8	NA	±20	Average RF
Hexachlorobutadiene	80.0	82.5	0.2349	0.2422	3.1	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	63.5	0.3675	0.3231	NA	-20.7*	±20	Quadratic
Hexachloroethane	80.0	78.2	0.6915	0.6764	-2.2	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	76.9	1.1811	1.1353	-3.9	NA	±20	Average RF
Isophorone	80.0	75.4	0.7098	0.6688	-5.8	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	77.0	1.0591	1.0195	-3.7	NA	±20	Average RF
N-Nitrosodiphenylamine	160	147	0.6733	0.6188	-8.1	NA	±20	Average RF
Naphthalene	80.0	73.5	1.1874	1.0912	-8.1	NA	±20	Average RF
Nitrobenzene	80.0	74.6	0.4195	0.3913	-6.7	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	58.5	0.1741	0.1273	-26.8*	NA	±20	Average RF
Phenanthrene	80.0	71.5	1.2967	1.1585	-10.7	NA	±20	Average RF
Phenol	80.0	75.6	1.865	1.7622	-5.5	NA	±20	Average RF
Pyrene	80.0	78.0	1.4043	1.3686	-2.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	0.2899	0.2799	-3.4	NA	±20	Average RF
2-Fluorobiphenyl	80.0	75.4	1.5679	1.4778	-5.7	NA	±20	Average RF
2-Fluorophenol	80.0	73.9	1.4072	1.3001	-7.6	NA	±20	Average RF
Nitrobenzene-d5	80.0	79.2	0.4121	0.408	-1.0	NA	±20	Average RF
Phenol-d6	80.0	72.9	1.7462	1.5916	-8.9	NA	±20	Average RF
Terphenyl-d14	80.0	74.1	1.0017	0.9283	-7.3	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 08:09

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973D\Data\050819\BR693.D\
Signal ID: 1

Calibration Date: 3/14/2019
Calibration ID: RC1900040
Analysis Lot: 634837
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	80.5	0.7077	0.7118	0.6	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	77.2	0.3887	0.375	-3.5	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	77.9	0.4626	0.4504	-2.6	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	83.5	0.4221	0.4407	4.4	NA	±20	Average RF
2,4-Dichlorophenol	80.0	83.1	0.3382	0.3514	3.9	NA	±20	Average RF
2,4-Dimethylphenol	80.0	81.9	0.4023	0.4118	2.3	NA	±20	Average RF
2,4-Dinitrophenol	80.0	65.4	0.1744	0.1539	NA	-18.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	78.0	0.4856	0.4735	-2.5	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	80.3	0.3438	0.3451	0.4	NA	±20	Average RF
2-Chloronaphthalene	80.0	76.7	1.3196	1.2654	-4.1	NA	±20	Average RF
2-Chlorophenol	80.0	78.0	1.5329	1.4952	-2.5	NA	±20	Average RF
2-Methylnaphthalene	80.0	75.8	0.8106	0.7678	-5.3	NA	±20	Average RF
2-Methylphenol	80.0	76.0	1.3302	1.2637	-5.0	NA	±20	Average RF
2-Nitroaniline	80.0	85.0	0.3511	0.3732	6.3	NA	±20	Average RF
2-Nitrophenol	80.0	82.2	0.2212	0.2271	2.7	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	86.5	0.5343	0.5778	8.1	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	76.5	1.5398	1.4724	-4.4	NA	±20	Average RF
3-Nitroaniline	80.0	77.9	0.3786	0.3688	-2.6	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	70.8	0.1643	0.1454	-11.5	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	73.2	0.2503	0.2289	-8.5	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	84.8	0.3247	0.3443	6.0	NA	±20	Average RF
4-Chloroaniline	80.0	82.9	0.4821	0.4996	3.6	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	81.7	0.7079	0.723	2.1	NA	±20	Average RF
4-Nitroaniline	80.0	75.6	0.4022	0.3802	-5.5	NA	±20	Average RF
4-Nitrophenol	80.0	99.5	0.2461	0.3061	24.4*	NA	±20	Average RF
Acenaphthene	80.0	78.0	1.4857	1.4495	-2.4	NA	±20	Average RF
Acenaphthylene	80.0	78.1	2.1255	2.0755	-2.4	NA	±20	Average RF
Acetophenone	80.0	77.9	2.0224	1.9684	-2.7	NA	±20	Average RF
Anthracene	80.0	73.9	1.2731	1.1765	-7.6	NA	±20	Average RF
Atrazine	80.0	90.0	0.0894	0.1005	12.4	NA	±20	Average RF
Benz(a)anthracene	80.0	78.6	1.3311	1.3071	-1.8	NA	±20	Average RF
Benzaldehyde	80.0	95.4	0.8422	1.0043	19.3	NA	±20	Average RF
Benzo(a)pyrene	80.0	79.6	1.1544	1.1493	-0.4	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	77.0	1.3855	1.3328	-3.8	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	80.0	1.0387	1.0382	-0.1	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	78.0	1.2933	1.2604	-2.5	NA	±20	Average RF
Biphenyl	80.0	77.9	1.7997	1.7524	-2.6	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	70.4	1.2578	1.1063	-12.0	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	73.9	0.4231	0.391	-7.6	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 08:09

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973D\Data\050819\BR693.D\
Signal ID: 1

Calibration Date: 3/14/2019
Calibration ID: RC1900040
Analysis Lot: 634837
Units: ppm

Bis(2-chloroethyl) Ether	80.0	73.2	1.2134	1.11	-8.5	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	81.0	1.0171	1.0304	1.3	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	81.8	0.7046	0.7208	2.3	NA	±20	Average RF
Caprolactam	80.0	77.8	0.1119	0.1088	-2.8	NA	±20	Average RF
Carbazole	80.0	75.3	1.2068	1.1356	-5.9	NA	±20	Average RF
Chrysene	80.0	76.0	1.2643	1.2007	-5.0	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	77.0	1.6743	1.6123	-3.7	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	81.0	1.6133	1.6329	1.2	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	80.2	1.2581	1.2607	0.2	NA	±20	Average RF
Dibenzofuran	80.0	79.8	1.9392	1.9335	-0.3	NA	±20	Average RF
Diethyl Phthalate	80.0	81.0	1.6809	1.7014	1.2	NA	±20	Average RF
Dimethyl Phthalate	80.0	78.2	1.5979	1.5618	-2.3	NA	±20	Average RF
Fluoranthene	80.0	77.5	1.4232	1.3792	-3.1	NA	±20	Average RF
Fluorene	80.0	78.4	1.5713	1.5397	-2.0	NA	±20	Average RF
Hexachlorobenzene	80.0	74.3	0.3183	0.2955	-7.2	NA	±20	Average RF
Hexachlorobutadiene	80.0	86.4	0.2349	0.2537	8.0	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	66.4	0.3675	0.3395	NA	-17.0	±20	Quadratic
Hexachloroethane	80.0	84.2	0.6915	0.728	5.3	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	81.7	1.1811	1.2064	2.1	NA	±20	Average RF
Isophorone	80.0	77.4	0.7098	0.6863	-3.3	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	79.1	1.0591	1.047	-1.1	NA	±20	Average RF
N-Nitrosodiphenylamine	160	149	0.6733	0.629	-6.6	NA	±20	Average RF
Naphthalene	80.0	76.5	1.1874	1.1352	-4.4	NA	±20	Average RF
Nitrobenzene	80.0	81.7	0.4195	0.4286	2.2	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	55.5	0.1741	0.1209	-30.6*	NA	±20	Average RF
Phenanthrene	80.0	71.7	1.2967	1.1614	-10.4	NA	±20	Average RF
Phenol	80.0	75.9	1.865	1.7689	-5.2	NA	±20	Average RF
Pyrene	80.0	77.4	1.4043	1.3585	-3.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	86.6	0.2899	0.3139	8.3	NA	±20	Average RF
2-Fluorobiphenyl	80.0	80.0	1.5679	1.5674	0.0	NA	±20	Average RF
2-Fluorophenol	80.0	75.0	1.4072	1.32	-6.2	NA	±20	Average RF
Nitrobenzene-d5	80.0	83.0	0.4121	0.4276	3.8	NA	±20	Average RF
Phenol-d6	80.0	76.1	1.7462	1.6606	-4.9	NA	±20	Average RF
Terphenyl-d14	80.0	77.5	1.0017	0.97	-3.2	NA	±20	Average RF

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/13/19 08:41

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635338
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4,5-Tetrachlorobenzene	80.0	82.6	0.5887	0.6078	3.2	NA	±20	Average RF
2,3,4,6-Tetrachlorophenol	80.0	91.7	0.2691	0.3086	14.7	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	83.3	0.4011	0.4177	4.1	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	85.9	0.3729	0.4002	7.3	NA	±20	Average RF
2,4-Dichlorophenol	80.0	79.3	0.3009	0.2981	-0.9	NA	±20	Average RF
2,4-Dimethylphenol	80.0	81.2	0.3798	0.3854	1.5	NA	±20	Average RF
2,4-Dinitrophenol	80.0	90.7	0.117	0.1546	NA	13.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	81.7	0.449	0.4583	2.1	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	78.1	0.3399	0.3319	-2.4	NA	±20	Average RF
2-Chloronaphthalene	80.0	78.2	1.2807	1.2514	-2.3	NA	±20	Average RF
2-Chlorophenol	80.0	79.8	1.5356	1.5325	-0.2	NA	±20	Average RF
2-Methylnaphthalene	80.0	75.9	0.7135	0.677	-5.1	NA	±20	Average RF
2-Methylphenol	80.0	79.1	1.3778	1.3617	-1.2	NA	±20	Average RF
2-Nitroaniline	80.0	80.2	0.3661	0.367	0.2	NA	±20	Average RF
2-Nitrophenol	80.0	80.4	0.2109	0.212	0.5	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	76.9	0.5321	0.5114	-3.9	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	79.5	1.559	1.5501	-0.6	NA	±20	Average RF
3-Nitroaniline	80.0	78.0	0.3908	0.381	-2.5	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	87.5	0.1542	0.1686	9.3	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	78.0	0.2092	0.2038	-2.5	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	79.4	0.3005	0.2984	-0.7	NA	±20	Average RF
4-Chloroaniline	80.0	77.2	0.4613	0.4452	-3.5	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	82.0	0.5845	0.5995	2.6	NA	±20	Average RF
4-Nitroaniline	80.0	81.2	0.3855	0.3913	1.5	NA	±20	Average RF
4-Nitrophenol	80.0	90.7	0.2564	0.2906	13.3	NA	±20	Average RF
Acenaphthene	80.0	78.4	1.427	1.3985	-2.0	NA	±20	Average RF
Acenaphthylene	80.0	78.9	2.0514	2.0223	-1.4	NA	±20	Average RF
Acetophenone	80.0	78.4	1.9363	1.8979	-2.0	NA	±20	Average RF
Anthracene	80.0	78.8	1.2569	1.2382	-1.5	NA	±20	Average RF
Atrazine	80.0	74.2	0.1144	0.1061	-7.3	NA	±20	Average RF
Benz(a)anthracene	80.0	78.6	1.3582	1.3346	-1.7	NA	±20	Average RF
Benzaldehyde	80.0	87.3	1.0232	1.1167	9.1	NA	±20	Average RF
Benzo(a)pyrene	80.0	81.4	1.1447	1.1644	1.7	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	81.0	1.3311	1.3475	1.2	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	82.2	0.9676	0.9946	2.8	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	80.1	1.2607	1.2624	0.1	NA	±20	Average RF
Biphenyl	80.0	77.8	1.772	1.7234	-2.7	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	83.3	1.2997	1.3537	4.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	80.1	0.3995	0.3998	0.1	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/13/19 08:41

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 8270D
File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635338
Units: ppm

Bis(2-chloroethyl) Ether	80.0	79.2	1.3526	1.3396	-1.0	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	79.9	1.1213	1.12	-0.1	NA	±20	Average RF
Butyl Benzyl Phthalate	80.0	80.2	0.8149	0.8165	0.2	NA	±20	Average RF
Caprolactam	80.0	74.5	0.1193	0.111	-6.9	NA	±20	Average RF
Carbazole	80.0	78.8	1.2346	1.2156	-1.5	NA	±20	Average RF
Chrysene	80.0	79.5	1.2495	1.2417	-0.6	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	81.0	1.5958	1.6162	1.3	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	79.9	1.8983	1.8965	-0.1	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	82.7	1.1763	1.2163	3.4	NA	±20	Average RF
Dibenzofuran	80.0	78.8	1.7622	1.7349	-1.6	NA	±20	Average RF
Diethyl Phthalate	80.0	79.0	1.4829	1.4636	-1.3	NA	±20	Average RF
Dimethyl Phthalate	80.0	74.6	1.4974	1.3972	-6.7	NA	±20	Average RF
Fluoranthene	80.0	81.4	1.2951	1.3185	1.8	NA	±20	Average RF
Fluorene	80.0	77.4	1.4489	1.4012	-3.3	NA	±20	Average RF
Hexachlorobenzene	80.0	81.6	0.2352	0.24	2.1	NA	±20	Average RF
Hexachlorobutadiene	80.0	80.6	0.1607	0.1619	0.7	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	81.1	0.2398	0.2802	NA	1.3	±20	Quadratic
Hexachloroethane	80.0	78.2	0.6295	0.615	-2.3	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	83.8	1.1226	1.1765	4.8	NA	±20	Average RF
Isophorone	80.0	80.7	0.6795	0.6857	0.9	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	82.0	1.0443	1.0702	2.5	NA	±20	Average RF
N-Nitrosodiphenylamine	160	155	0.7068	0.6856	-3.0	NA	±20	Average RF
Naphthalene	80.0	75.2	1.1024	1.0363	-6.0	NA	±20	Average RF
Nitrobenzene	80.0	77.9	0.4077	0.3969	-2.6	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	108	0.0767	0.1249	NA	34.4*	±20	Quadratic
Phenanthrene	80.0	76.8	1.265	1.2147	-4.0	NA	±20	Average RF
Phenol	80.0	80.7	1.9549	1.9728	0.9	NA	±20	Average RF
Pyrene	80.0	82.3	1.4688	1.5106	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	88.5	0.1638	0.1812	10.6	NA	±20	Average RF
2-Fluorobiphenyl	80.0	77.5	1.521	1.4739	-3.1	NA	±20	Average RF
2-Fluorophenol	80.0	78.9	1.4549	1.4341	-1.4	NA	±20	Average RF
Nitrobenzene-d5	80.0	78.5	0.4059	0.3984	-1.8	NA	±20	Average RF
Phenol-d6	80.0	80.5	1.7875	1.799	0.6	NA	±20	Average RF
Terphenyl-d14	80.0	83.0	0.9423	0.9772	3.7	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634539
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
	ZZZZZZZ	ZZZZZZZ			
I:\ACQUDATA\5973D\Data\050719\BR662.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR662.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR662.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:42:00	
I:\ACQUDATA\5973D\Data\050719\BR663.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:01:00	
I:\ACQUDATA\5973D\Data\050719\BR663.D	Continuing Calibration Verification	RQ1904287-05	5/7/2019	13:01:00	
I:\ACQUDATA\5973D\Data\050719\BR665.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:58:00	
I:\ACQUDATA\5973D\Data\050719\BR666.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:26:00	
I:\ACQUDATA\5973D\Data\050719\BR667.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:56:00	
I:\ACQUDATA\5973D\Data\050719\BR668.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	15:25:00	
I:\ACQUDATA\5973D\Data\050719\BR670.D	Method Blank	RQ1904142-05	5/7/2019	16:23:00	
I:\ACQUDATA\5973D\Data\050719\BR671.D	Lab Control Sample	RQ1904142-06	5/7/2019	16:52:00	
I:\ACQUDATA\5973D\Data\050719\BR672.D	Duplicate Lab Control Sample	RQ1904142-07	5/7/2019	17:20:00	
I:\ACQUDATA\5973D\Data\050719\BR673.D	TB-01-24 (1-3)	R1903954-001	5/7/2019	17:49:00	
I:\ACQUDATA\5973D\Data\050719\BR674.D	TB-02-24 (7-8)	R1903954-004	5/7/2019	18:18:00	
I:\ACQUDATA\5973D\Data\050719\BR675.D	TB-05-24 (1-4)	R1903954-006	5/7/2019	18:47:00	
I:\ACQUDATA\5973D\Data\050719\BR676.D	TB-06-24 (4-5)	R1903954-008	5/7/2019	19:16:00	
I:\ACQUDATA\5973D\Data\050719\BR677.D	TB-07-24 (2-4)	R1903954-010	5/7/2019	19:44:00	
I:\ACQUDATA\5973D\Data\050719\BR678.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:13:00	
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I:\ACQUDATA\5973D\Data\050719\BR680.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:10:00	
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I:\ACQUDATA\5973D\Data\050719\BR682.D	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:07:00	
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I:\ACQUDATA\5973D\Data\050719\BR687.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	00:29:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634837
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
	ZZZZZZZ	ZZZZZZZ			
I:\ACQUDATA\5973D\Data\050819\BR692.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	07:49:00	
I:\ACQUDATA\5973D\Data\050819\BR693.D	Continuing Calibration Verification	RQ1904331-02	5/8/2019	08:09:00	
I:\ACQUDATA\5973D\Data\050819\BR701.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	11:56:00	
I:\ACQUDATA\5973D\Data\050819\BR702.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:24:00	
I:\ACQUDATA\5973D\Data\050819\BR703.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:53:00	
I:\ACQUDATA\5973D\Data\050819\BR704.D	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:22:00	
I:\ACQUDATA\5973D\Data\050819\BR705.D	Method Detection Limit Verification	RQ1904142-01	5/8/2019	13:50:00	
I:\ACQUDATA\5973D\Data\050819\BR706.D	Method Detection Limit Verification	RQ1904142-01	5/8/2019	14:19:00	

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:635338
Instrument ID:R-MS-54

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUADATA\5973A\DATA\051319\DS001.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUADATA\5973A\DATA\051319\DS001.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUADATA\5973A\DATA\051319\DS002.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:41:00	
I:\ACQUADATA\5973A\DATA\051319\DS002.D\	Continuing Calibration Verification	RQ1904520-04	5/13/2019	08:41:00	
I:\ACQUADATA\5973A\DATA\051319\DS004.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUADATA\5973A\DATA\051319\DS004.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUADATA\5973A\DATA\051319\DS005.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:07:00	
I:\ACQUADATA\5973A\DATA\051319\DS005.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:07:00	
I:\ACQUADATA\5973A\DATA\051319\DS006.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:36:00	
I:\ACQUADATA\5973A\DATA\051319\DS006.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:36:00	
I:\ACQUADATA\5973A\DATA\051319\DS007.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	11:05:00	
I:\ACQUADATA\5973A\DATA\051319\DS009.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:06:00	
I:\ACQUADATA\5973A\DATA\051319\DS010.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:36:00	
I:\ACQUADATA\5973A\DATA\051319\DS011.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:06:00	
I:\ACQUADATA\5973A\DATA\051319\DS012.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:35:00	
I:\ACQUADATA\5973A\DATA\051319\DS013.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:04:00	
I:\ACQUADATA\5973A\DATA\051319\DS014.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:34:00	
I:\ACQUADATA\5973A\DATA\051319\DS015.D\	Method Blank	RQ1904520-05	5/13/2019	15:21:00	
I:\ACQUADATA\5973A\DATA\051319\DS016.D\	Method Detection Limit Verification	RQ1904142-02	5/13/2019	15:51:00	
I:\ACQUADATA\5973A\DATA\051319\DS017.D\	Method Detection Limit Verification	RQ1904142-02	5/13/2019	16:20:00	

Analysis: 8270 Analyst: DMISURW.LL Run Method: 8270D/TUNE
 Date: 5/17/19 Instr. 5973D R-MS-54 Quant Method: 8270031419D.M
 Syringes: _____ LIMS Run#: 634539

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			BR661	-	
2	TUNE		198101	62	Y	
3	CCW		199103	63	Y	
4	CCW Hexa		199108	64	Y	
5	RQ1904090-07	Blk	335900	65	Y	
6	MDL 1- Slippin		(water)	66	Y	
7	↓ - 5 ppm		↓	67	Y	
8	R1903839-001		335901	68	Y	Surr b
9	↓ -001	3.0		69	Y	
10	RQ1904142-05	Blk	335962	70	Y	
11	↓ -06	LCS	(5205)	71	Y	
12	↓ -07	LCS		72	Y	
13	R1903954-001			73	Y	
14	↓ -004			74	Y	
15	↓ -006			75	Y	
16	↓ -008	3.0		76	Y	*dark
17	↓ -010	3.0		77	Y	↓
18	R1903957-002			78	Y	
19	RQ19034142-03			79	Y	
20	↓ -04			80	Y	
21	R1903957-004	3.0		81	Y	*dark
22	↓ -007			82	Y	
23	↓ -008			83	Y	
24	R1903959-002			84	Y	
25	↓ -006			85	Y	
26	↓ -008			86	Y	
27	↓ -010			87	Y	
28	Blk			88	Y	
29	↓			89	Y	
30	↓			90	Y	

All samples = 1 mL + 10 uL Combined IS/Surr.; 197704

Primary: _____ exp: _____ Secondary: _____ exp: _____
 Primary: _____ exp: _____ Secondary: _____ exp: _____
 Reagents: _____

Analysis: 8270
 Date: 5/8/16
 Syringes: _____

Analyst: OMIS/rewish Run Method: 8270 JNE
 Instr. 5973D R-MS-54 Quant Method: 8270814190.M

LIMS Run#: 634537

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			Blk 61	-	
2	TV _{re}		198691	92	YT	
3	CCV		199257	93	YCC	
4	MDL Blk 1	(Mini)		94	(N)	
5	↓ 2			95		
6	↓ 3			96		
7	MDL 1 - 1 ppm			97		
8	↓ 2			98		
9	↓ 10			99		
10	MDL 2 - 1 ppm			700	↓	
11	R1903167-007		335967	01	✓	
12	-008			02	✓	
13	-009			03	✓	
14	-010			04	✓	
15	MDL 1 - 10 ppm	(Soil)	335967	05	✓	
16	↓ -50 ppm			06	✓	

rewish
5/9/16

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

All samples = 1 mL + 10 uL Combined IS/Surr.; 197704

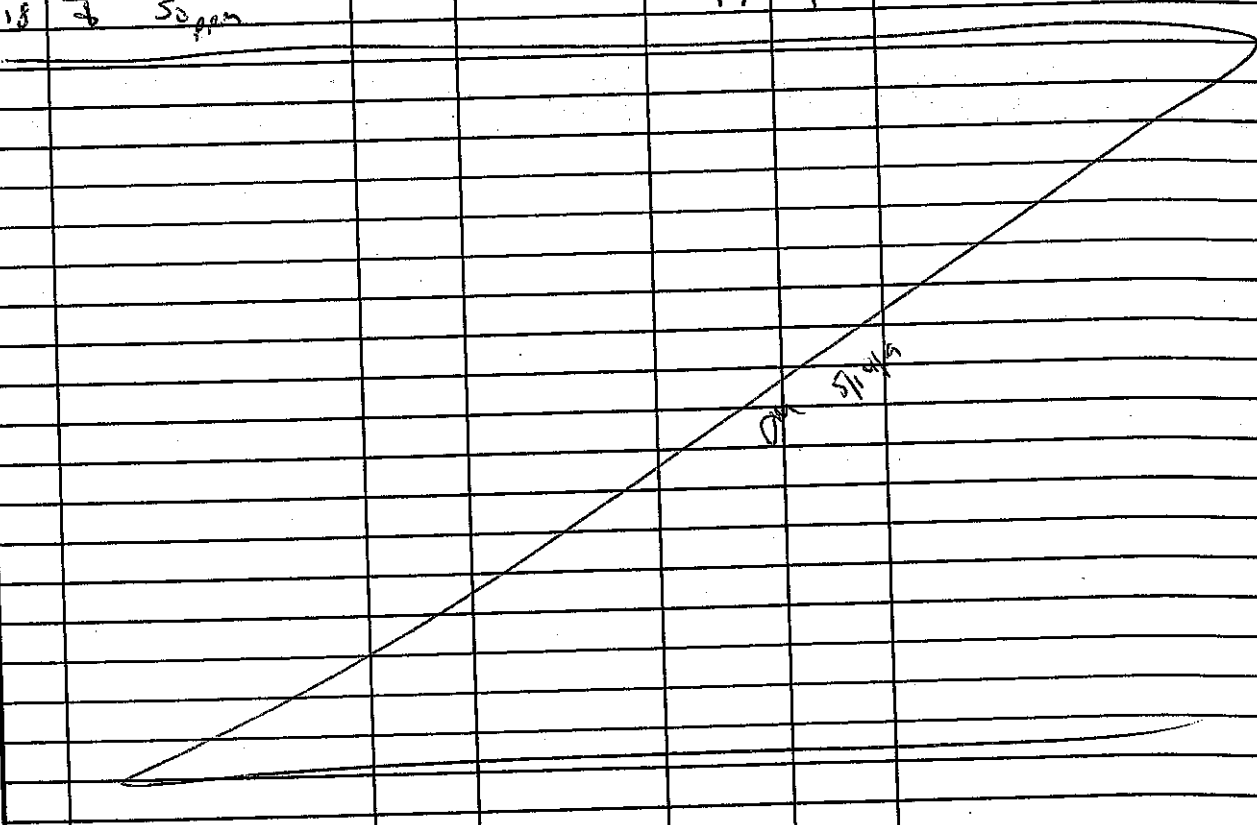
Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Analysis: 5270/625
 Date: 5/13/19
 Syringes: _____

Analyst: Misiorzwa
 Instr. 5973A R-MS-51

Run Method: 8710A-TV.L
 Quant Method: 870043419A.M
 LIMS Run#: 635338

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			DR995	—	
1	Blk			99	—	
2	Tune		199257	DS001	Y	
3	CCU		199358	02	Y	
4	CCU		199198	03	N	
5	RQ1904334-01	Blk	336273 330	04	Y	RQ1904365-01
6	↓ -02	LC5		05	Y	↓ -02
7	↓ -03	LC5P		06	Y	↓ -03
8	R1903830-001	5.0	336273	07	Y	
9	R1903956-001	10		08	(N)	ART Y20
10	R1904009-001	5.0		09	Y	Large NIS
11	↓ -02	5.0		10	Y	↓
12	R1903839-002		336330	11	Y	
13	R1903897-001			12	Y	
14	R1903955-001			13	Y	
15	RQ1904325-01			14	Y	
16	RQ1904142-01	Blk	335967 (Solv)	15	Y	
17	MOL 10ppm			16	Y	
18	↓ 50ppm			17	Y	



All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____ Secondary: _____ exp: _____
 Primary: _____ exp: _____ Secondary: _____ exp: _____
 Reagents: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903954

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3541
Analytical Method: 8270D

Extraction Lot: 335967
Extraction Date: 05/06/19 07:37

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
TB-01-24 (1-3)	R1903954-001	4/30/19	5/2/19	30.4200 g	1 mL	83.4
TB-02-24 (7-8)	R1903954-004	4/30/19	5/2/19	30.3000 g	1 mL	84.0
TB-05-24 (1-4)	R1903954-006	4/30/19	5/2/19	30.0800 g	1 mL	76.5
TB-06-24 (4-5)	R1903954-008	4/30/19	5/2/19	30.0300 g	1 mL	89.5
TB-07-24 (2-4)	R1903954-010	4/30/19	5/2/19	29.8800 g	1 mL	88.8
Method Detection Limit Verification	RQ1904142-01MDLV	NA	NA	30.0000 g	1 mL	
Method Detection Limit Verification	RQ1904142-02MDLV	NA	NA	30.0000 g	1 mL	
Method Blank	RQ1904142-05MB	NA	NA	30.0000 g	1 mL	
Lab Control Sample	RQ1904142-06LCS	NA	NA	30.0000 g	1 mL	
Duplicate Lab Control Sample	RQ1904142-07DLCS	NA	NA	30.0000 g	1 mL	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 14:34
Date Received: 05/02/19 16:23

Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	21 U	39	21	1	05/08/19 17:14	5/7/19	
Aroclor 1221	39 U	79	39	1	05/08/19 17:14	5/7/19	
Aroclor 1232	23 U	39	23	1	05/08/19 17:14	5/7/19	
Aroclor 1242	21 U	39	21	1	05/08/19 17:14	5/7/19	
Aroclor 1248	31 U	39	31	1	05/08/19 17:14	5/7/19	
Aroclor 1254	22 U	39	22	1	05/08/19 17:14	5/7/19	
Aroclor 1260	21 U	39	21	1	05/08/19 17:14	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	84	22 - 128	05/08/19 17:14	
Tetrachloro-m-xylene	68	14 - 119	05/08/19 17:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23

Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	23 U	43	23	1	05/08/19 17:34	5/7/19	
Aroclor 1221	43 U	87	43	1	05/08/19 17:34	5/7/19	
Aroclor 1232	25 U	43	25	1	05/08/19 17:34	5/7/19	
Aroclor 1242	23 U	43	23	1	05/08/19 17:34	5/7/19	
Aroclor 1248	34 U	43	34	1	05/08/19 17:34	5/7/19	
Aroclor 1254	24 U	43	24	1	05/08/19 17:34	5/7/19	
Aroclor 1260	23 U	43	23	1	05/08/19 17:34	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	22 - 128	05/08/19 17:34	
Tetrachloro-m-xylene	46	14 - 119	05/08/19 17:34	

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH614.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 5:14 pm
 Operator :
 Sample : r1903954-003
 Misc : 336082
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:13 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.364	4.461	4656.6E6	848.8E6	77.000	67.709
Spiked Amount	100.000	Range	30 - 150	Recovery =	77.00%	67.71%
2) S SURR2, Dec...	10.931	11.949	4830.0E6	816.2E6	84.236	84.400
Spiked Amount	100.000	Range	30 - 150	Recovery =	84.24%	84.40%

Target Compounds

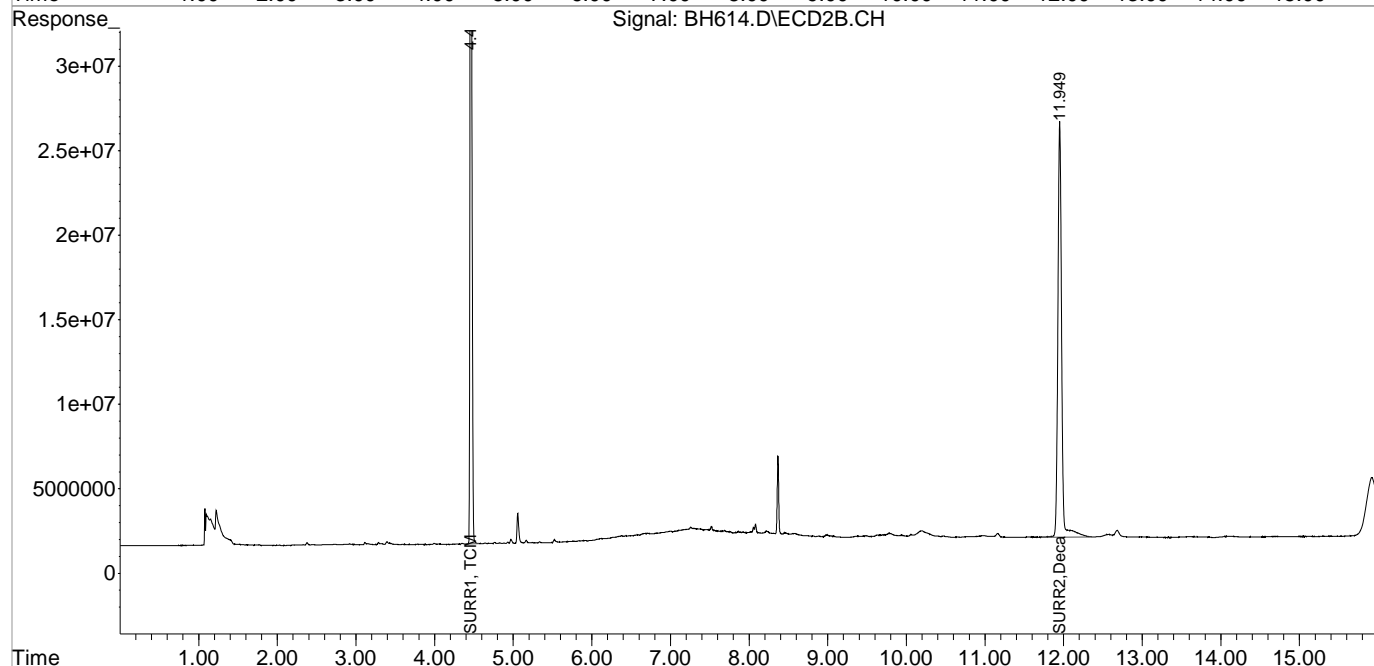
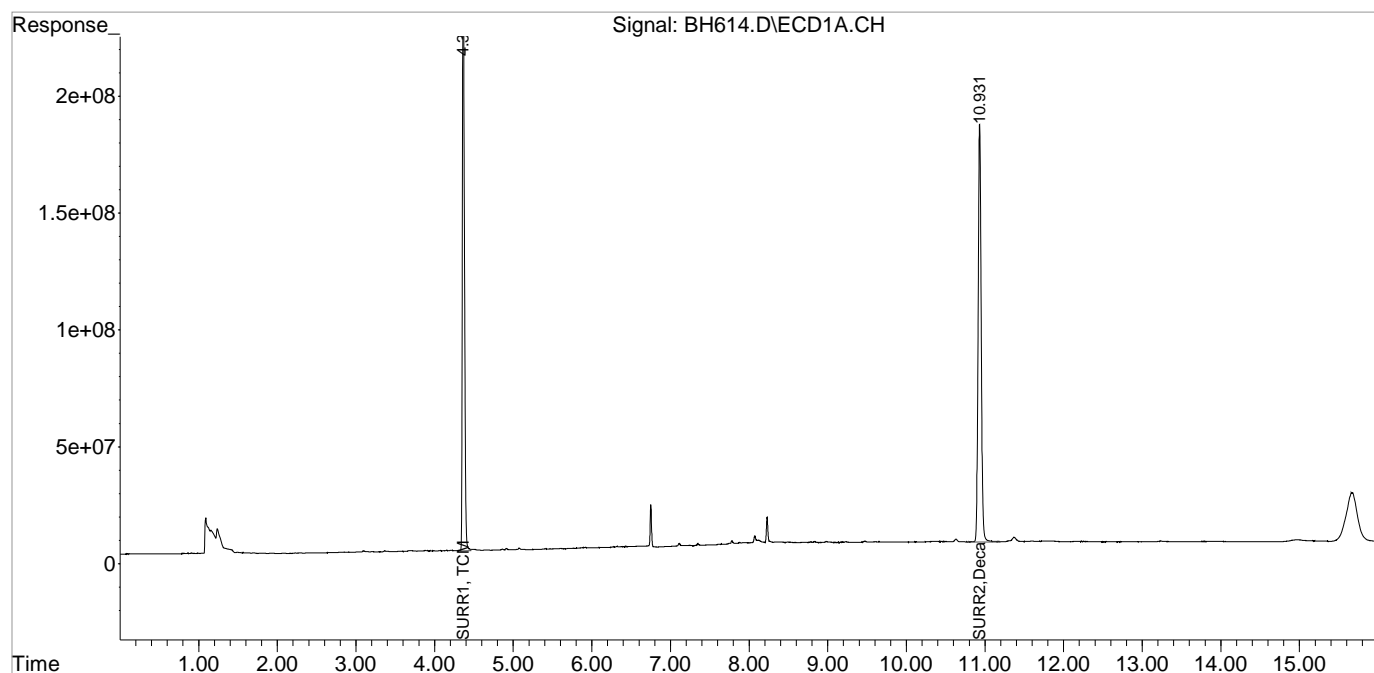
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH614.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 5:14 pm
Operator :
Sample : r1903954-003
Misc : 336082
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:13 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH615.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 5:34 pm
 Operator :
 Sample : r1903954-006
 Misc : 336082
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:16 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.365	4.462	3086.2E6	573.2E6	51.031	45.726
Spiked Amount	100.000	Range	30 - 150	Recovery =	51.03%	45.73%
2) S SURR2, Dec...	10.931	11.953	3228.8E6	507.8E6	56.312	52.511
Spiked Amount	100.000	Range	30 - 150	Recovery =	56.31%	52.51%

Target Compounds

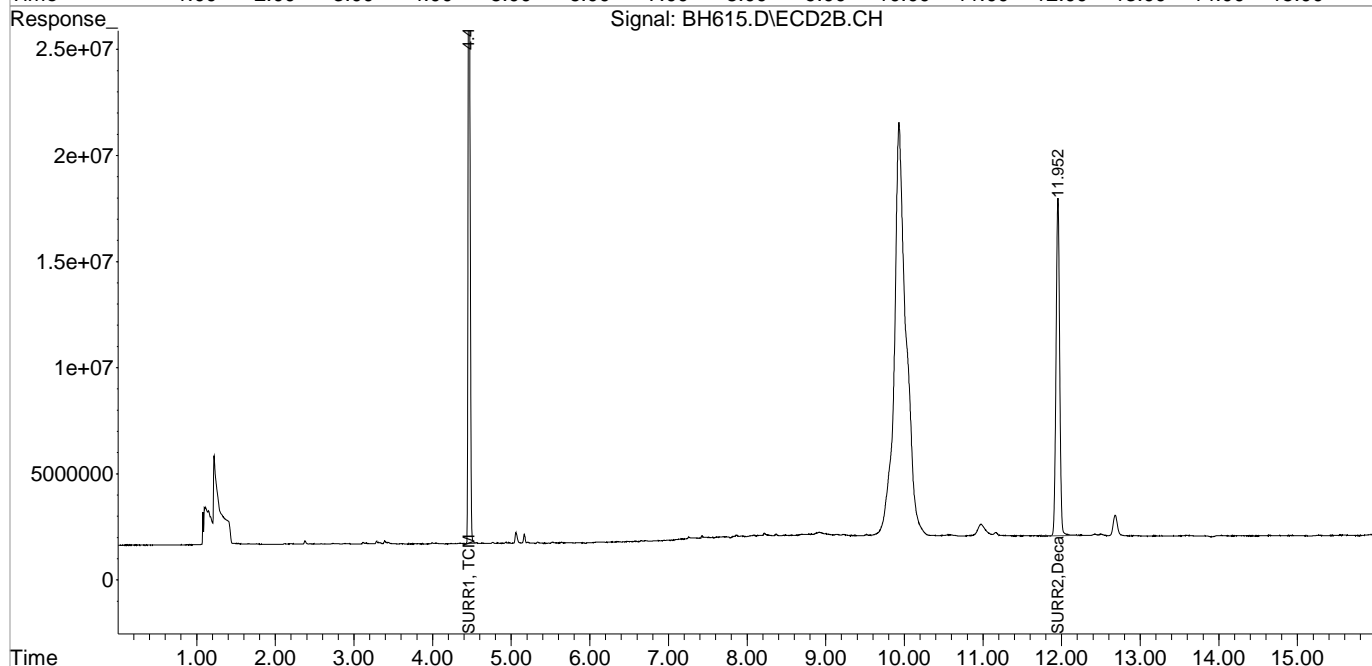
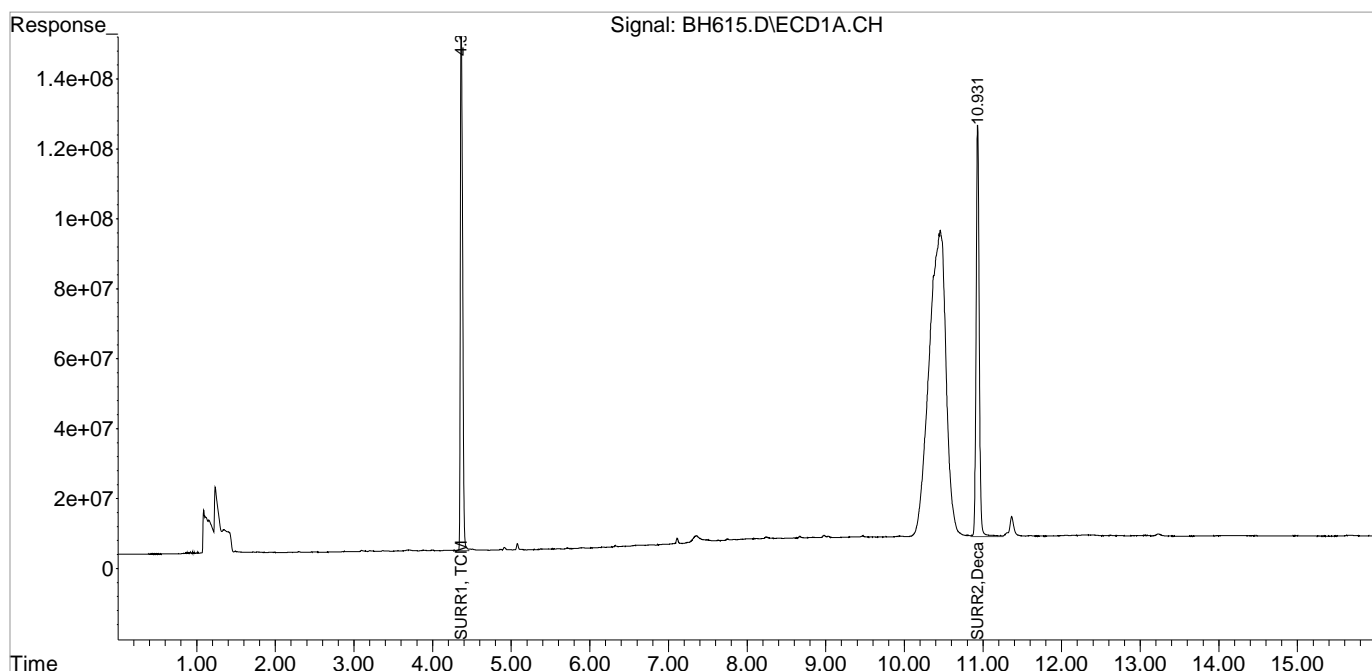
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH615.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 5:34 pm
Operator :
Sample : r1903954-006
Misc : 336082
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:16 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH609.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:32 pm
 Operator :
 Sample : rq1904198-03
 Misc : 336082/336135
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:26:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.365	4.460	3390.4E6	625.8E6	56.062	49.922
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.06%	49.92%
2) S SURR2, Dec...	10.939	11.952	3220.7E6	530.8E6	56.171	54.892
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.17%	54.89%

Target Compounds

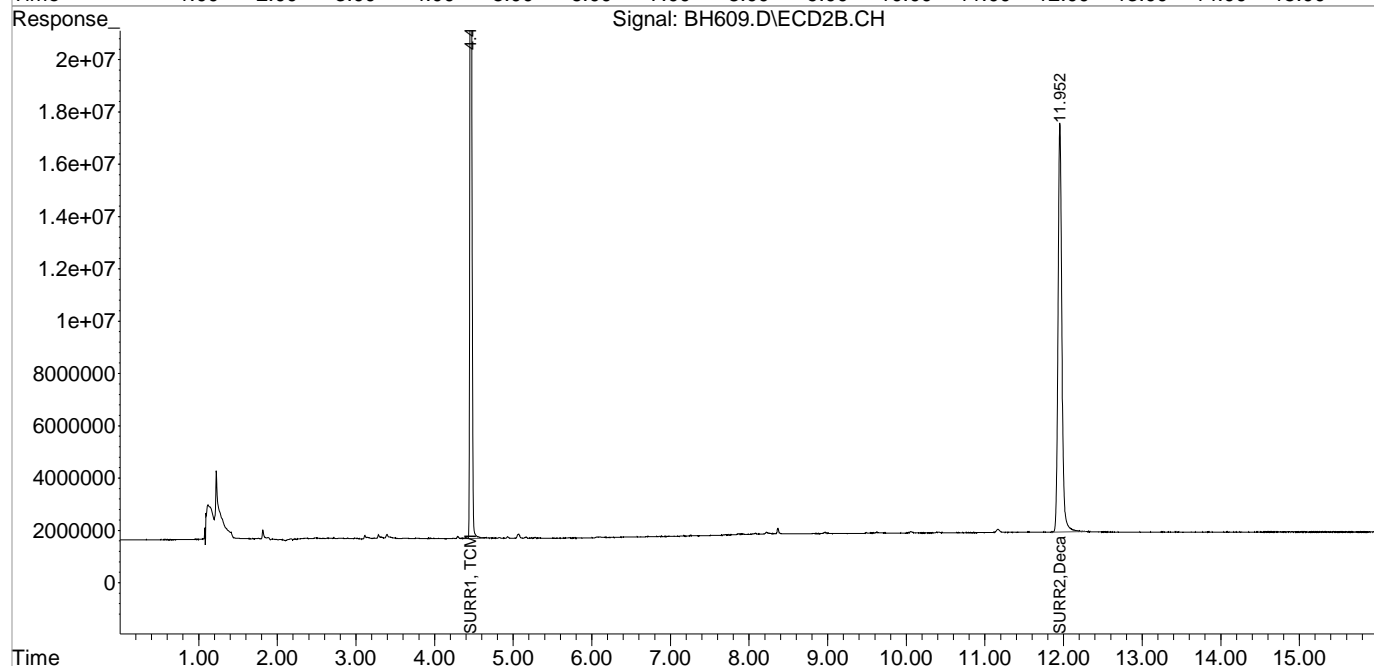
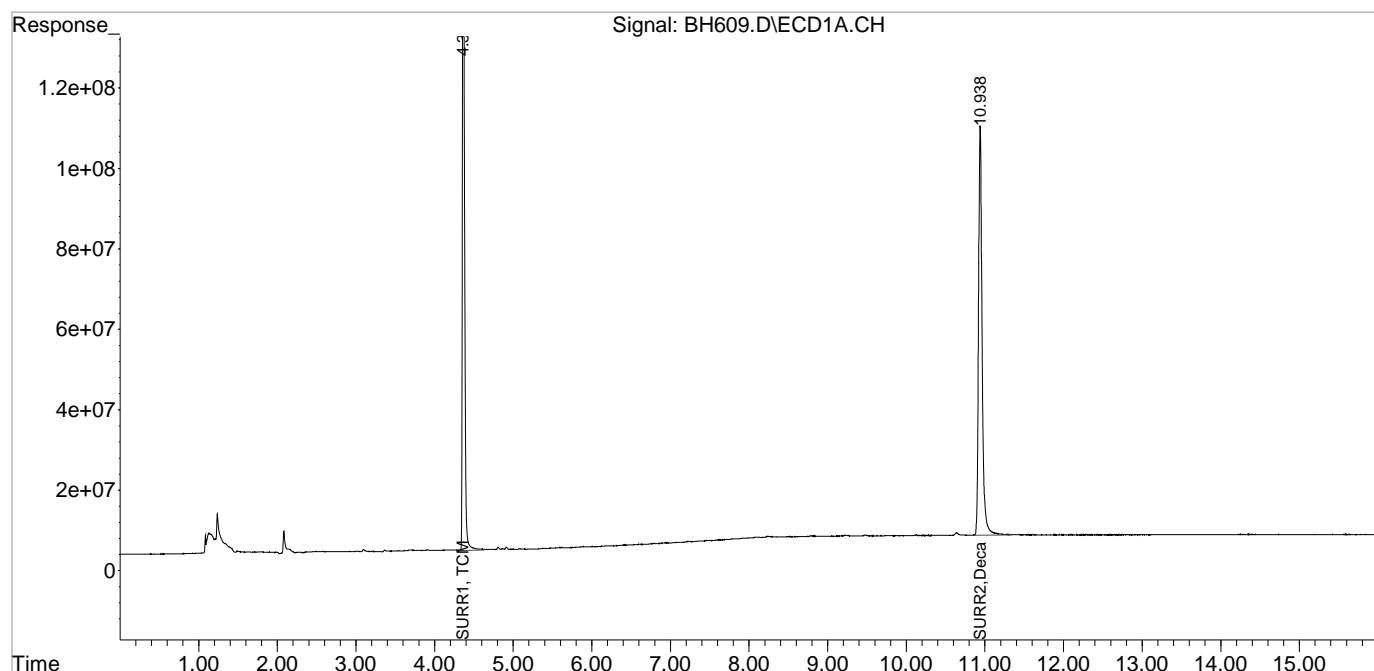
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH609.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:32 pm
Operator :
Sample : rql904198-03
Misc : 336082/336135
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:26:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

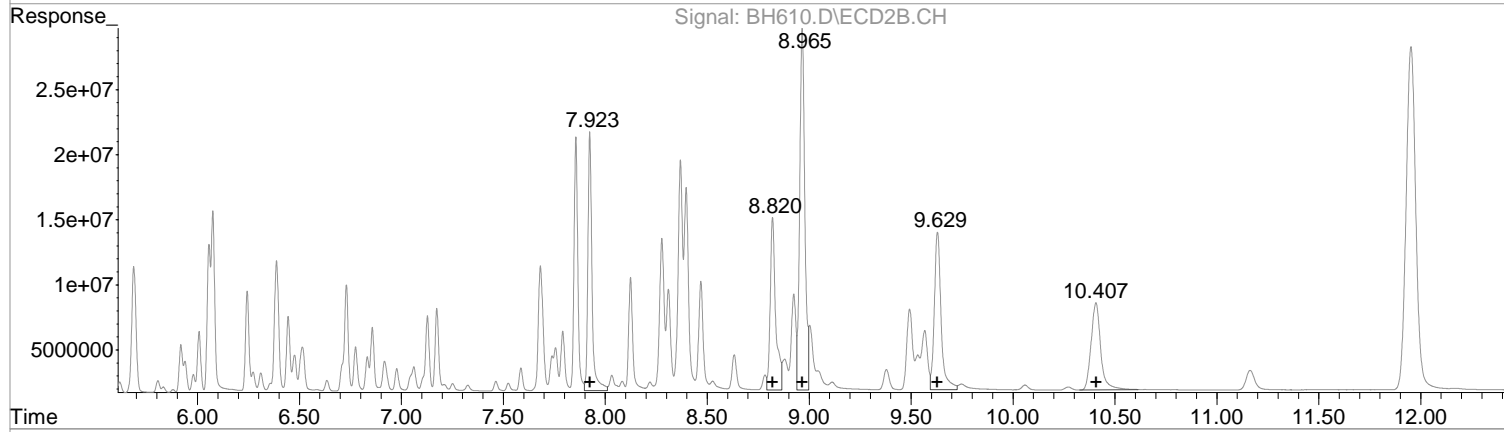
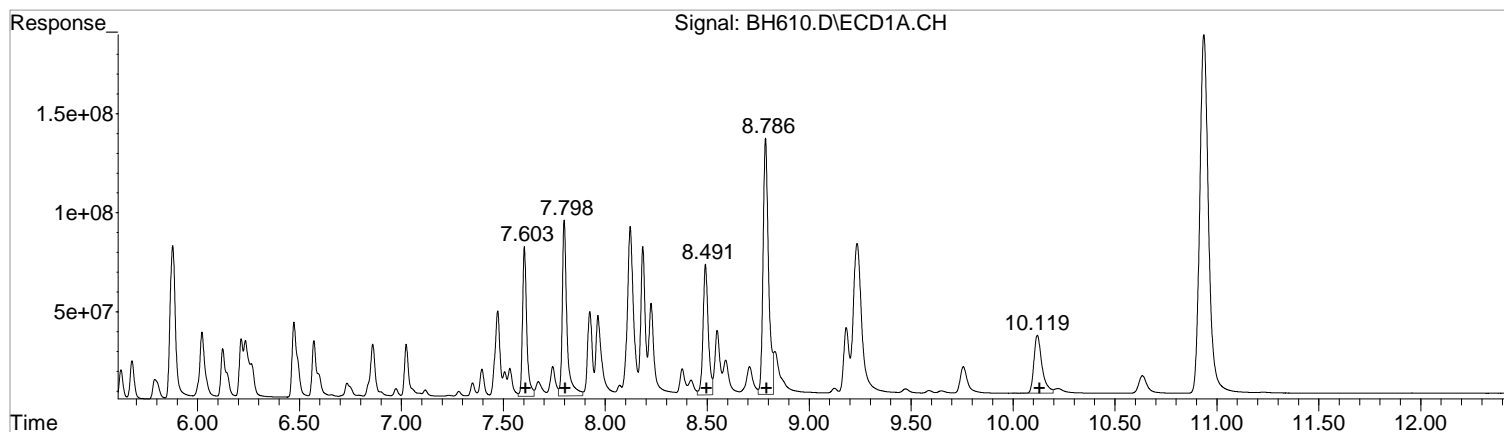
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rq1904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1091396108	437.95
7.80	1421738641	449.14
8.49	1169406841	463.83
8.79	2434646080	465.11
10.12	814126636	481.35

(33) PCB 1260 #2 (L7c)

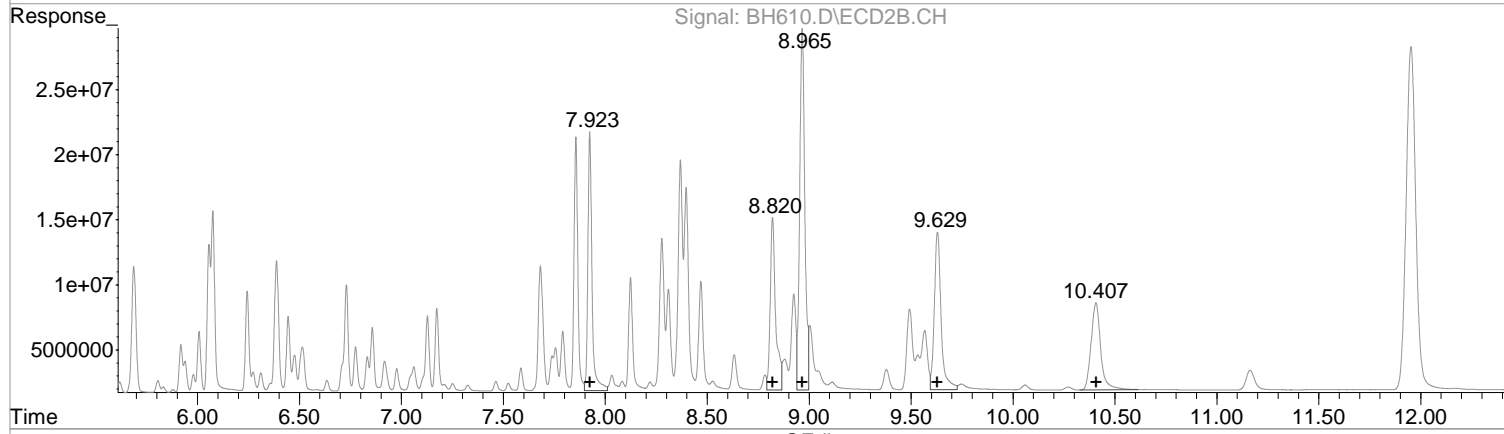
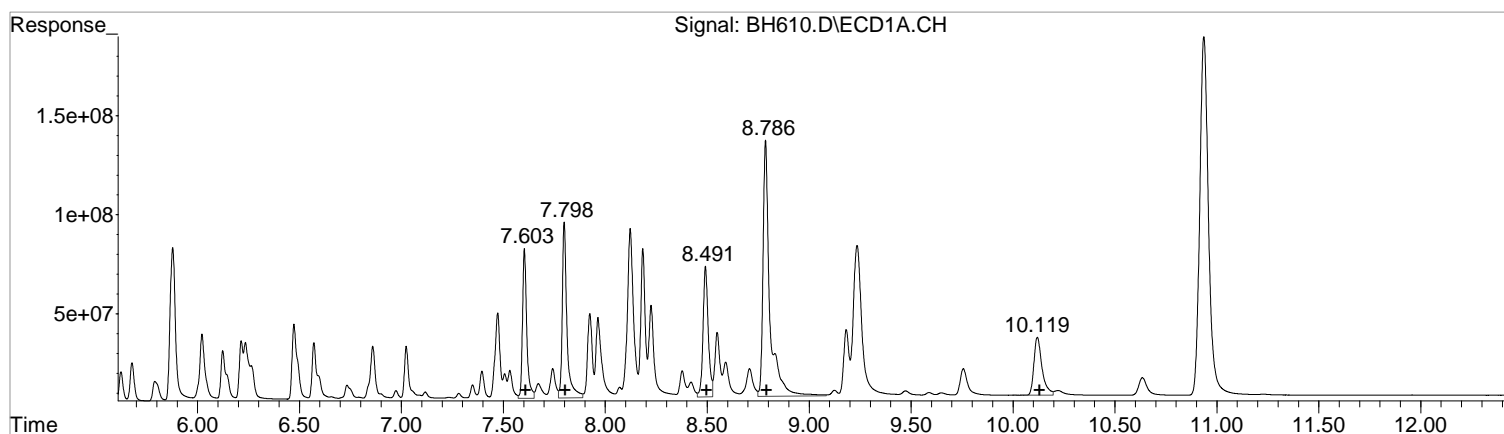
R.T.	Response	Conc
7.92	279040527	423.42
8.82	247365076	457.15
8.97	487311660	471.55
9.63	280075225	468.72
10.41	221242033	481.70

Manual Integration:
After
Poor integration.
05/09/19

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rq1904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1091396108	437.95
7.80	1421738641	449.14
8.49	1169406841	463.83
8.79	3042200367	581.18
10.12	814126636	481.35

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	279040527	423.42
8.82	247365076	457.15
8.97	487311660	471.55
9.63	280075225	468.72
10.41	221242033	481.70

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH610.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:52 pm
 Operator :
 Sample : rql904198-05
 Misc : 336082/336135
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:01 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

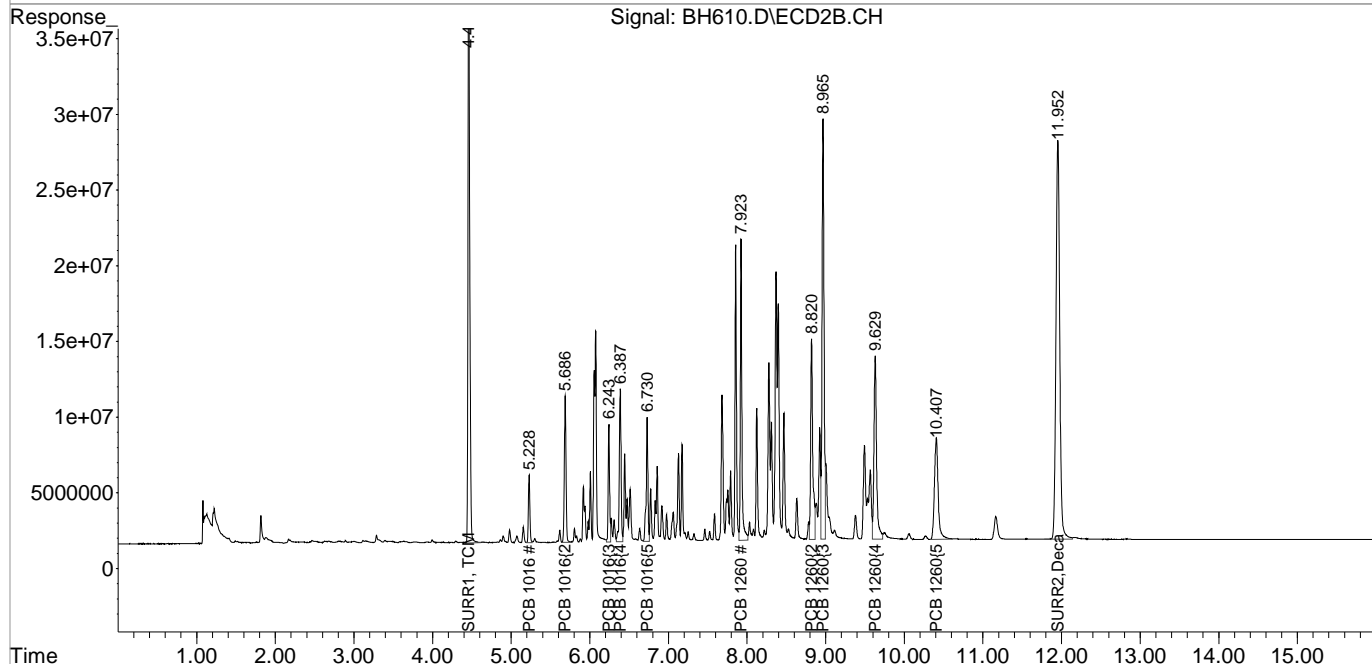
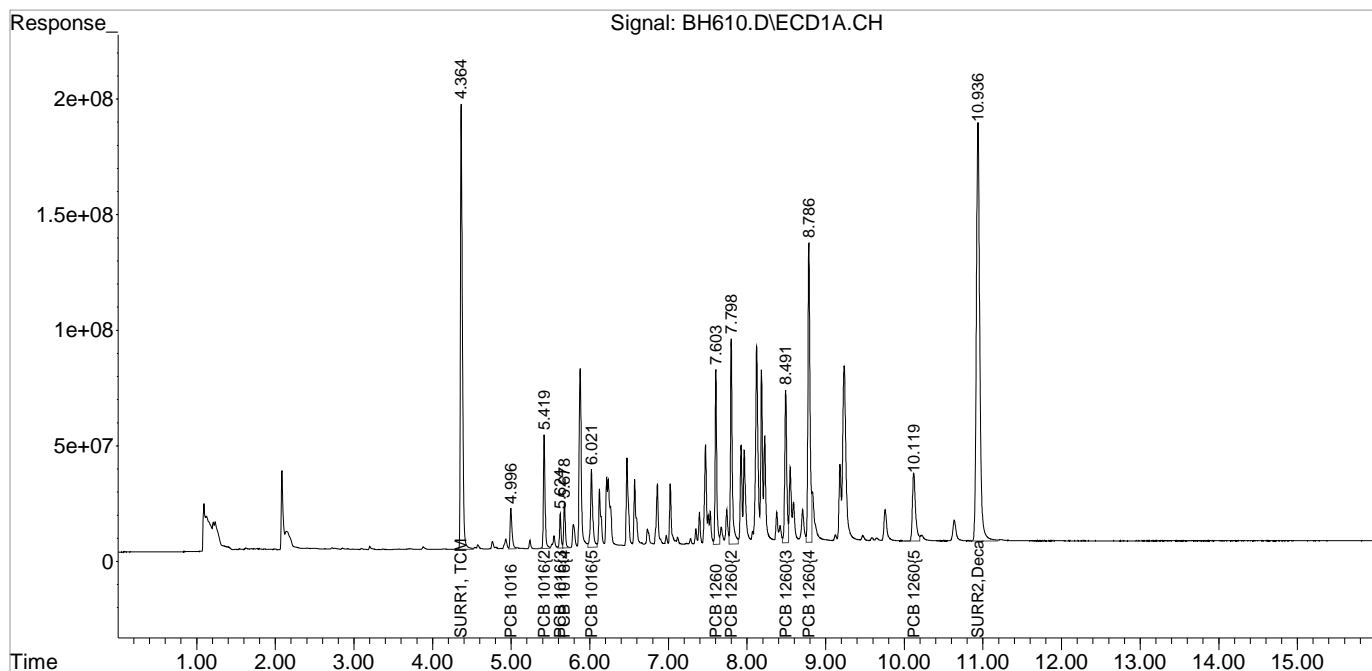
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.460	3359.0E6	622.3E6	55.543	49.640
Spiked Amount	100.000	Range	30 - 150	Recovery	= 55.54%	49.64%
2) S SURR2, Dec...	10.936	11.952	5449.3E6	880.2E6	95.038	91.017
Spiked Amount	100.000	Range	30 - 150	Recovery	= 95.04%	91.02%
Target Compounds						
3) L1c PCB 1016	4.997	5.229	306.5E6	58423840	300.501	281.673
4) L1c PCB 1016{2}	5.420	5.687	718.2E6	146.5E6	326.228	295.037
5) L1c PCB 1016{3}	5.624	6.243	205.5E6	94081025	340.760	324.535
6) L1c PCB 1016{4}	5.679	6.387	285.6E6	157.2E6	348.768	338.970
7) L1c PCB 1016{5}	6.022	6.730	669.6E6	121.0E6	370.302	364.221
Sum PCB 1016			2185.4E6	577.3E6	1686.559	1604.437
Average PCB 1016					337.312	320.887
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.603	7.924	1091.4E6	279.0E6	437.954	423.419
34) L7c PCB 1260{2}	7.799	8.820	1421.7E6	247.4E6	449.136	457.148
35) L7c PCB 1260{3}	8.491	8.966	1169.4E6	487.3E6	463.826	471.547
36) L7c PCB 1260{4}	8.786	9.630	2434.6E6	280.1E6	465.114m	468.719
37) L7c PCB 1260{5}	10.119	10.407	814.1E6	221.2E6	481.355	481.705
Sum PCB 1260			6931.3E6	1515.0E6	2297.385	2302.537
Average PCB 1260					459.477	460.507
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rql904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

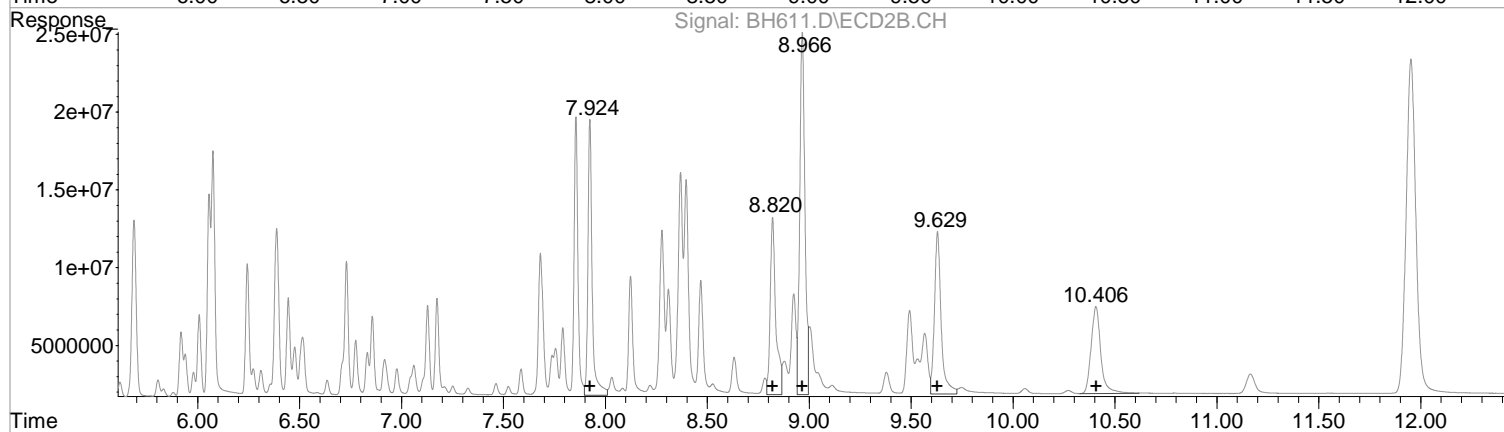
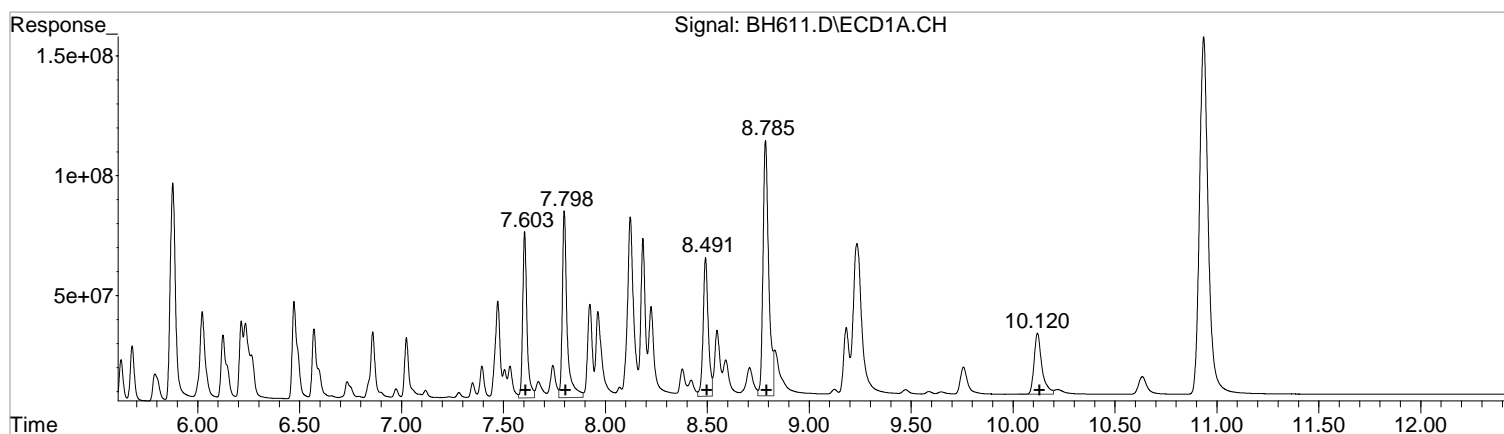
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rq1904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.60	1011895133	406.05
7.80	1277798397	403.66
8.49	1016081480	403.01
8.78	2075510382	396.50
10.12	683917900	404.37

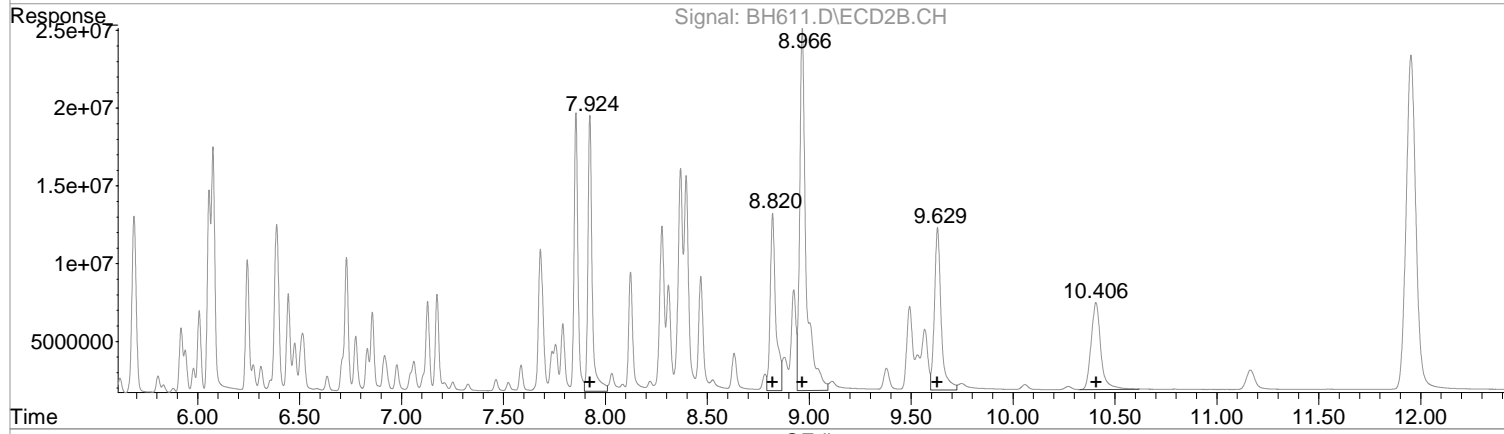
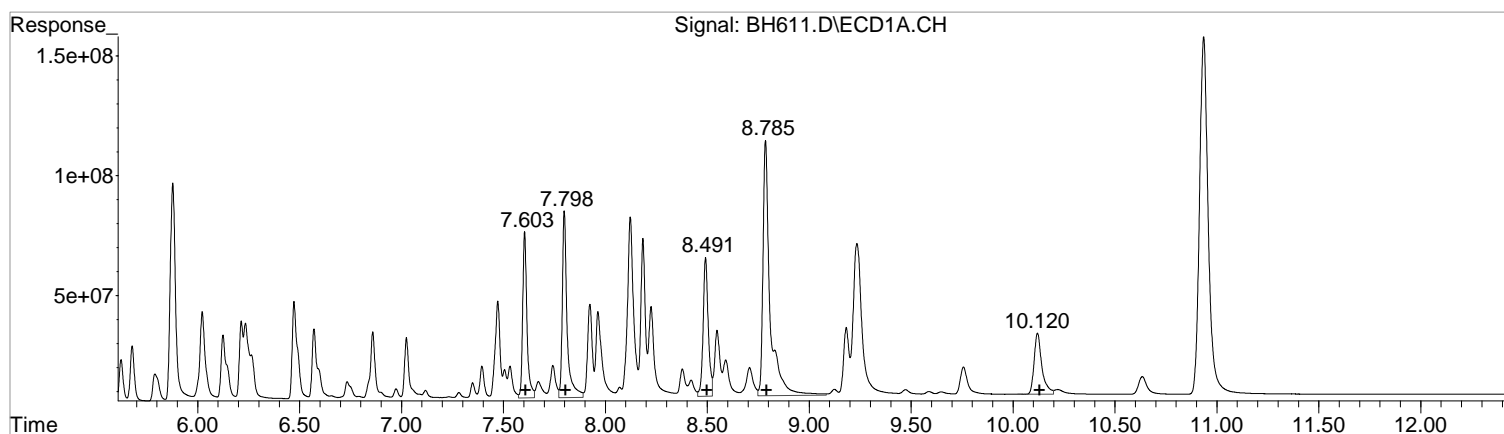
(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.92	254659993	386.42
8.82	217367537	401.71
8.97	413268180	399.90
9.63	239190864	400.30
10.41	185802961	404.54

Manual Integration:
After
Poor integration.
05/09/19

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rql904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.60	1011895133	406.05
7.80	1277798397	403.66
8.49	1016081480	403.01
8.79	2608799769	498.38
10.12	683917900	404.37

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.92	254659993	386.42
8.82	217367537	401.71
8.97	510850943	494.32
9.63	239190864	400.30
10.41	185802961	404.54

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH611.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 4:13 pm
 Operator :
 Sample : rql904198-06
 Misc : 336082/336135
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:04 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

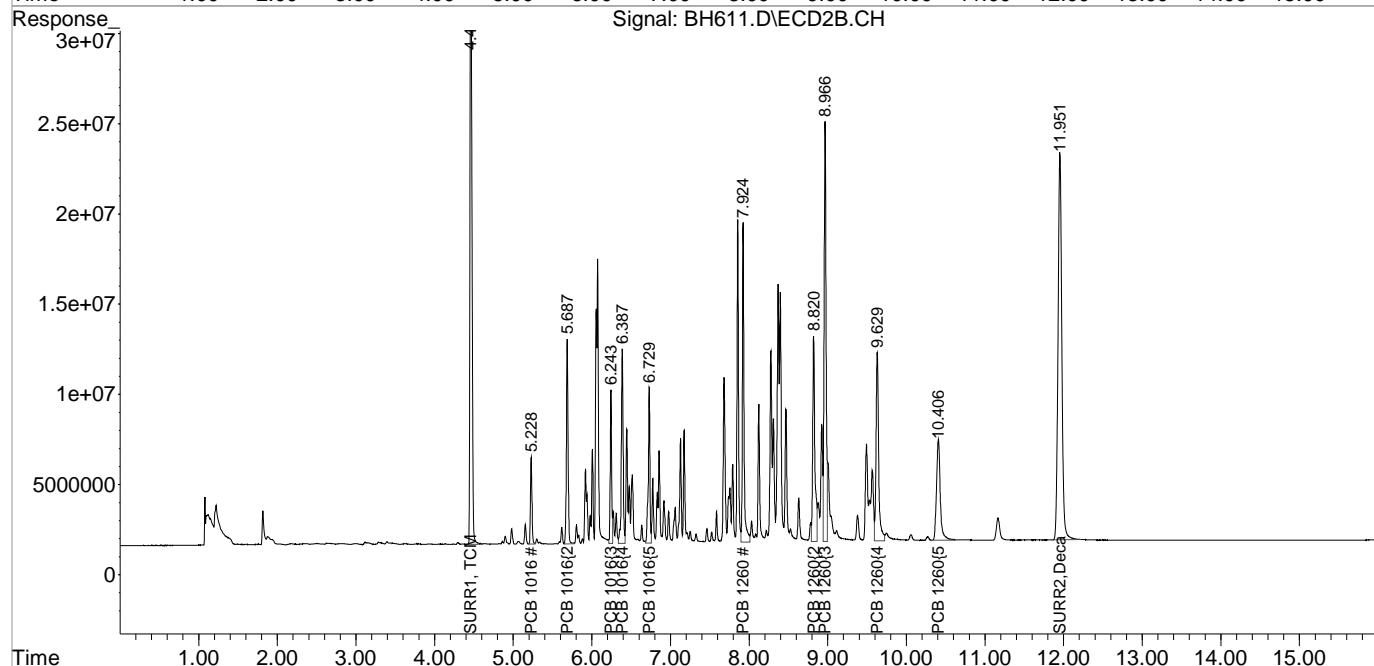
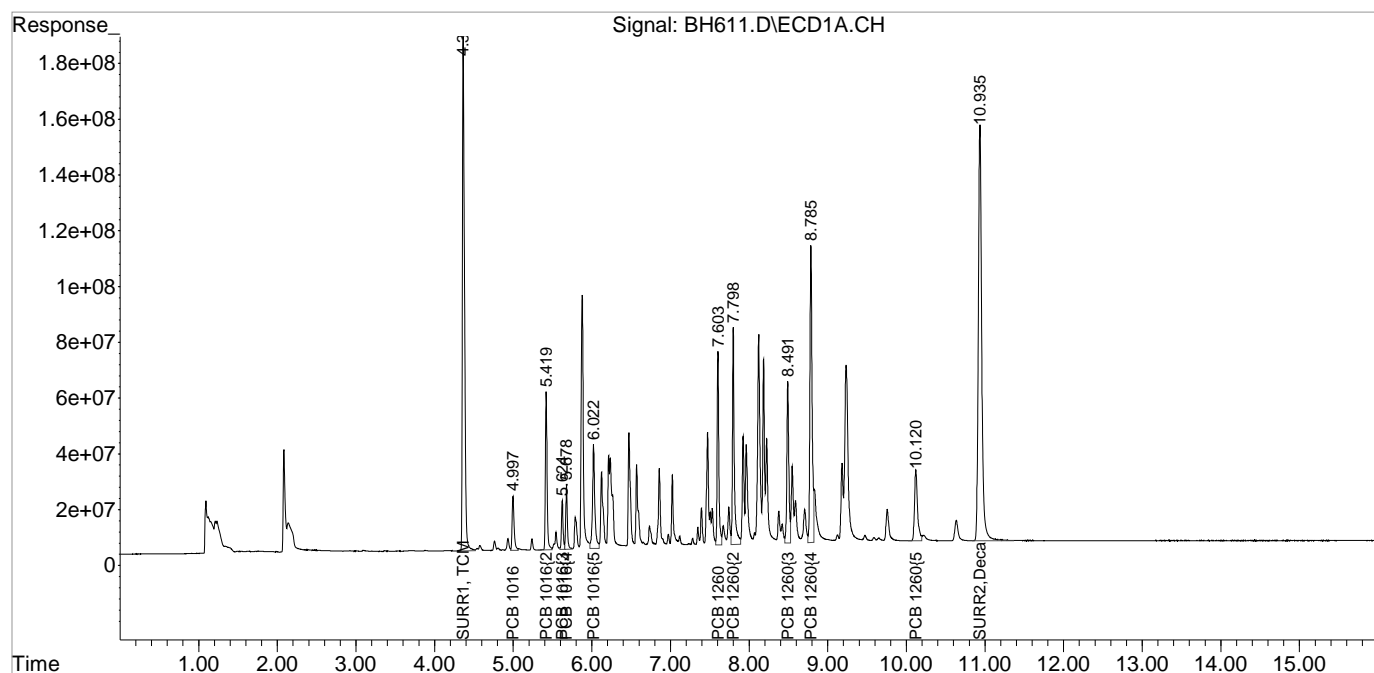
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.460	3447.6E6	629.2E6	57.007	50.192
Spiked Amount	100.000 Range	30 - 150	Recovery	=	57.01%	50.19%
2) S SURR2, Dec...	10.935	11.952	4496.0E6	719.9E6	78.411	74.440
Spiked Amount	100.000 Range	30 - 150	Recovery	=	78.41%	74.44%
Target Compounds						
3) L1c PCB 1016	4.998	5.229	342.1E6	64235648	335.484	309.693
4) L1c PCB 1016{2}	5.420	5.688	844.4E6	169.2E6	383.552	340.616
5) L1c PCB 1016{3}	5.624	6.244	242.6E6	105.0E6	402.193	362.323
6) L1c PCB 1016{4}	5.679	6.388	336.6E6	173.3E6	411.052	373.518
7) L1c PCB 1016{5}	6.022	6.730	762.6E6	127.1E6	421.751	382.537
Sum PCB 1016			2528.3E6	638.8E6	1954.032	1768.687
Average PCB 1016					390.806	353.737
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.604	7.924	1011.9E6	254.7E6	406.052	386.423
34) L7c PCB 1260{2}	7.798	8.821	1277.8E6	217.4E6	403.665	401.711
35) L7c PCB 1260{3}	8.492	8.966	1016.1E6	413.3E6	403.012	399.899m
36) L7c PCB 1260{4}	8.785	9.629	2075.5E6	239.2E6	396.505m	400.297
37) L7c PCB 1260{5}	10.120	10.406	683.9E6	185.8E6	404.369	404.544
Sum PCB 1260			6065.2E6	1310.3E6	2013.602	1992.874
Average PCB 1260					402.720	398.575
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rql904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

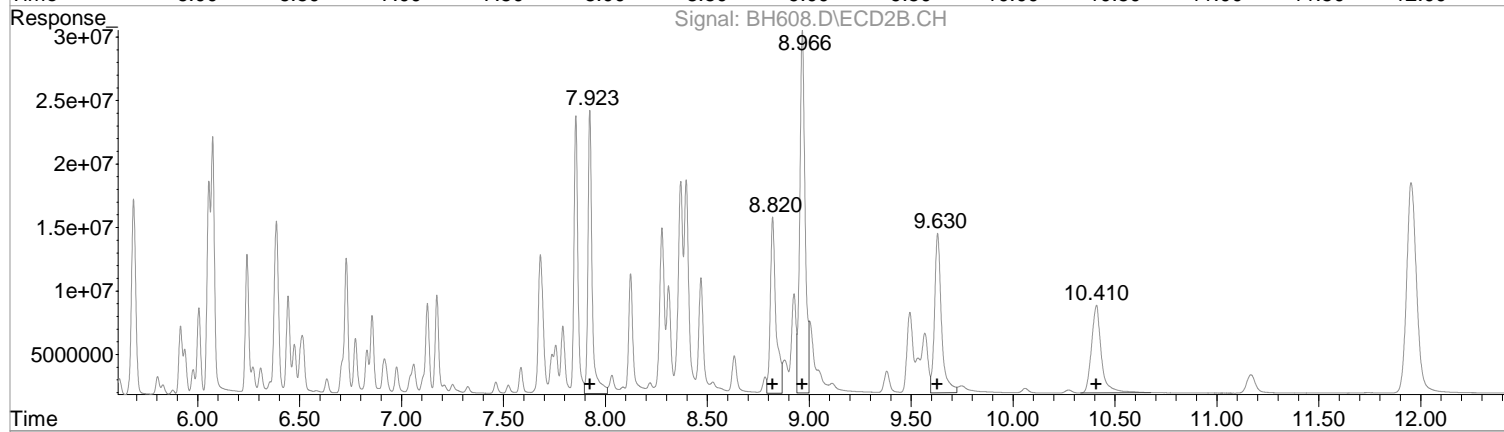
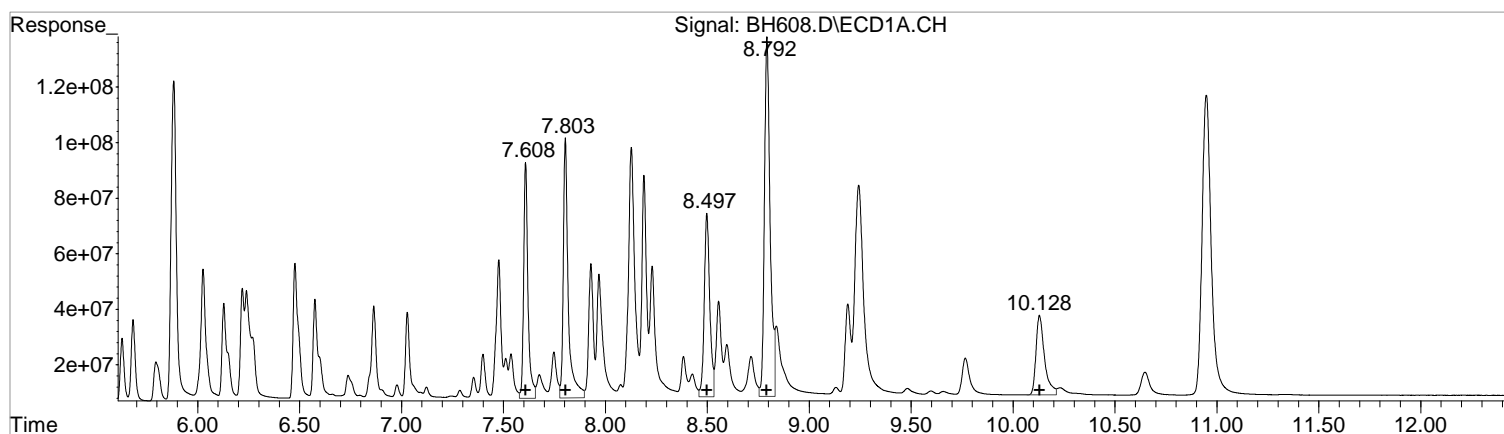
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.61	1249137279	501.25
7.80	1589905173	502.26
8.50	1249929649	495.76
8.79	2547812623	486.73
10.13	835275616	493.86

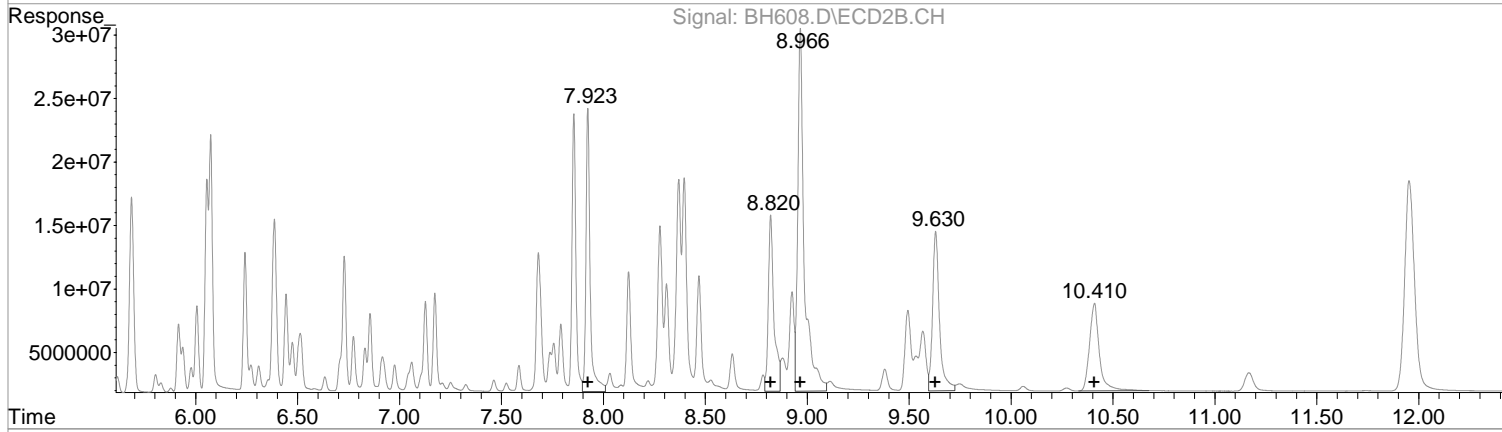
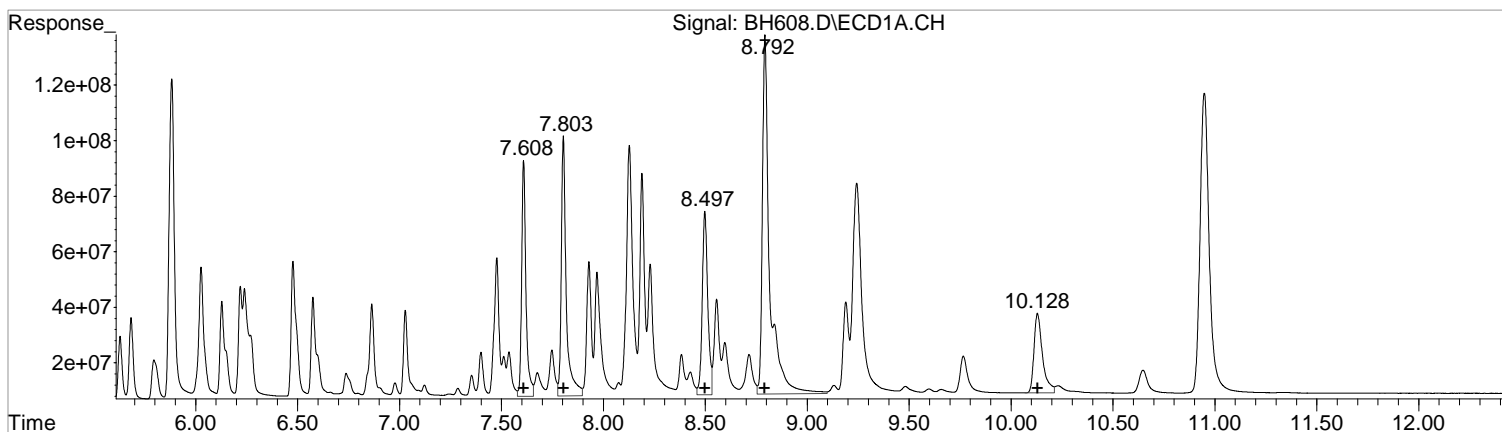
Manual Integration:
After
Poor integration.
05/09/19

(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.92	318049264	482.61
8.82	267212629	493.83
8.97	516417475	499.71
9.63	295847164	495.11
10.41	232475364	506.16

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.61	1249137279	501.25
7.80	1589905173	502.26
8.50	1249929649	495.76
8.79	3252749705	621.40
10.13	835275616	493.86

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	318049264	482.61
8.82	267212629	493.83
8.97	639729699	619.03
9.63	295847164	495.11
10.41	232475364	506.16

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	67.006 E6	-10.8	97	-0.01
2 S SURR2,Decachlorobiphenyl	57.338	57.287 E6	0.1	92	-0.05
3 L1c PCB 1016	1019.835	1012.120 E3	0.8	93	-0.02
4 L1c PCB 1016{2}	2.202	2.139 E6	2.9	88	-0.02
5 L1c PCB 1016{3}	603.161	623.957 E3	-3.4	94	-0.02
6 L1c PCB 1016{4}	818.948	874.741 E3	-6.8	97	-0.02
7 L1c PCB 1016{5}	1.808	1.902 E6	-5.2	94	-0.02
33 L7c PCB 1260	2.492	2.498 E6	-0.2	92	-0.02
34 L7c PCB 1260{2}	3.165	3.180 E6	-0.5	92	-0.02
35 L7c PCB 1260{3}	2.521	2.500 E6	0.8	90	-0.02
36 L7C PCB 1260{4}	5.235	5.096 E6	2.7	88	-0.03
37 L7C PCB 1260{5}	1.691	1.671 E6	1.2	89	-0.04

Signal #2

1 S SURR1, TCMX	12.536	12.056 E6	3.8	86	0.00
2 S SURR2,Decachlorobiphenyl	9.671	9.480 E6	2.0	90	0.00
3 L1c PCB 1016	207.417	186.213 E3	10.2	84	0.00
4 L1c PCB 1016{2}	496.676	453.964 E3	8.6	86	0.00
5 L1c PCB 1016{3}	289.895	265.558 E3	8.4	84	0.00
6 L1c PCB 1016{4}	463.842	434.913 E3	6.2	86	0.00
7 L1c PCB 1016{5}	332.290	311.058 E3	6.4	86	0.00
33 L7c PCB 1260	659.018	636.099 E3	3.5	88	0.00
34 L7c PCB 1260{2}	541.105	534.425 E3	1.2	89	0.00
35 L7c PCB 1260{3}	1033.432	1032.835 E3	0.1	87	0.00
36 L7C PCB 1260{4}	597.534	591.694 E3	1.0	88	0.00
37 L7C PCB 1260{5}	459.290	464.951 E3	-1.2	90	0.00

Evaluate Continuing Calibration Report - Not Found

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8c PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8c PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8c PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8c PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8c PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9c PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9c PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9c PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9c PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9c PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 50

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

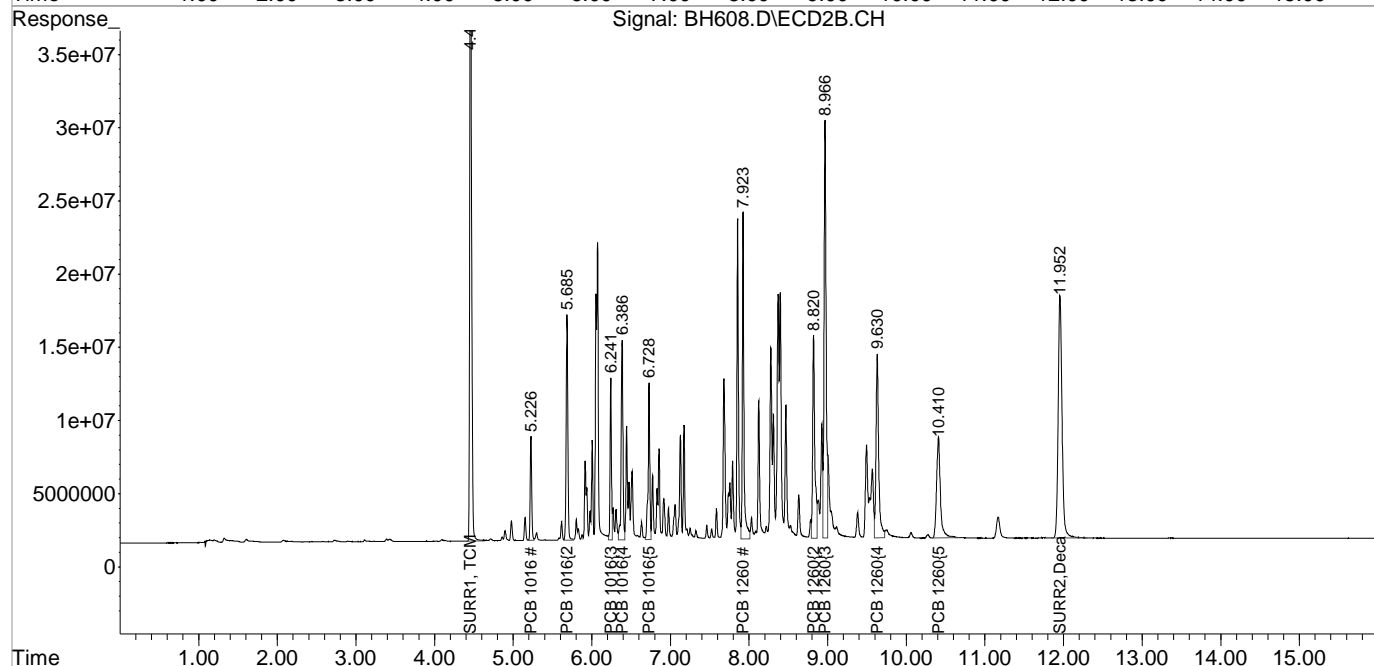
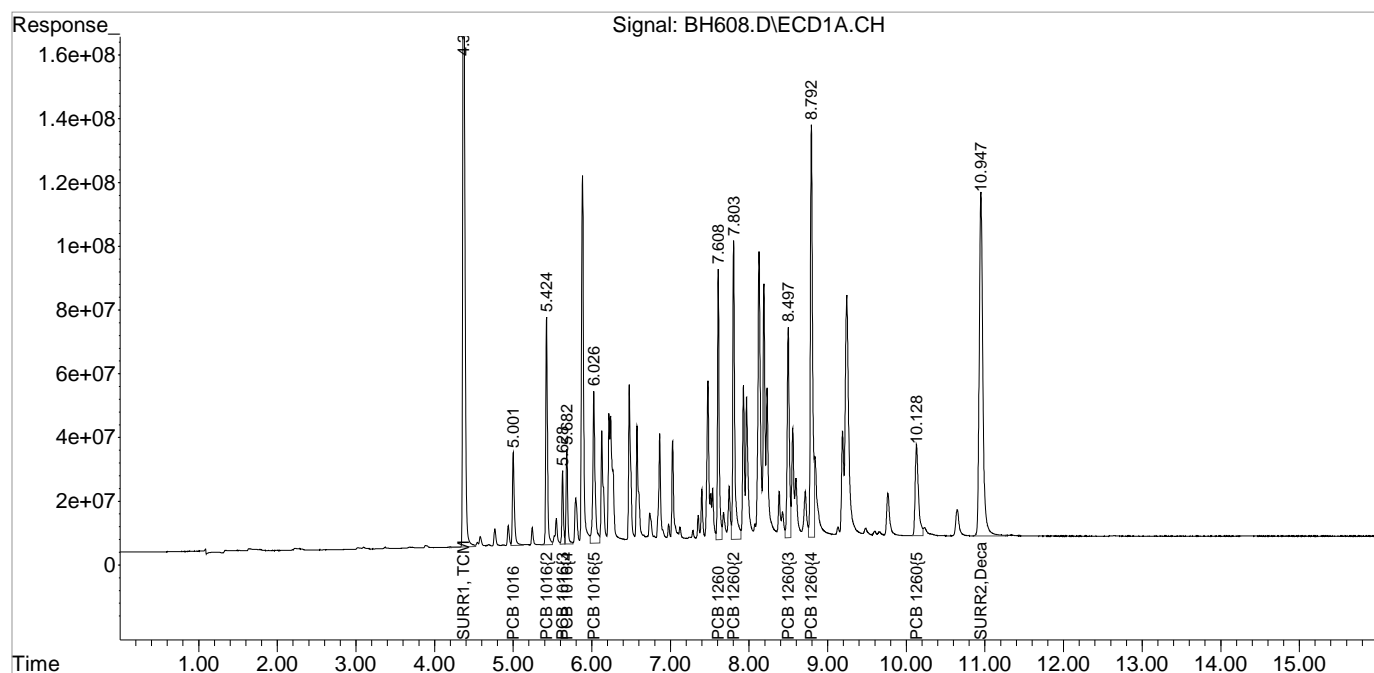
System Monitoring Compounds						
1) S SURR1, TCMX	4.369	4.457	4020.4E6	723.4E6	66.479	57.701
Spiked Amount	100.000	Range	30 - 150	Recovery	= 66.48%	57.70%
2) S SURR2, Dec...	10.948	11.952	3437.2E6	568.8E6	59.946	58.818
Spiked Amount	100.000	Range	30 - 150	Recovery	= 59.95%	58.82%
Target Compounds						
3) L1c PCB 1016	5.001	5.226	506.1E6	93106369	496.218	448.885
4) L1c PCB 1016{2}	5.425	5.685	1069.3E6	227.0E6	485.703	457.002
5) L1c PCB 1016{3}	5.629	6.242	312.0E6	132.8E6	517.239	458.026
6) L1c PCB 1016{4}	5.683	6.386	437.4E6	217.5E6	534.064	468.815
7) L1c PCB 1016{5}	6.026	6.729	951.1E6	155.5E6	526.004	468.053
Sum PCB 1016			3275.8E6	825.9E6	2559.226	2300.780
Average PCB 1016					511.845	460.156
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.609	7.924	1249.1E6	318.0E6	501.252	482.611
34) L7c PCB 1260{2}	7.804	8.820	1589.9E6	267.2E6	502.261	493.828
35) L7c PCB 1260{3}	8.498	8.966	1249.9E6	516.4E6	495.764	499.711m
36) L7c PCB 1260{4}	8.792	9.630	2547.8E6	295.8E6	486.733m	495.114
37) L7c PCB 1260{5}	10.129	10.410	835.3E6	232.5E6	493.859	506.163
Sum PCB 1260			7472.1E6	1630.0E6	2479.870	2477.427
Average PCB 1260					495.974	495.485
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH619.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 6:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:28 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	55.560 E6	8.1	80	-0.02
2 S SURR2,Decachlorobiphenyl	57.338	46.339 E6	19.2#	74	-0.07
3 L1c PCB 1016	1019.835	874.505 E3	14.3	80	-0.02
4 L1c PCB 1016{2}	2.202	1.824 E6	17.2#	75	-0.02
5 L1c PCB 1016{3}	603.161	532.038 E3	11.8	80	-0.02
6 L1c PCB 1016{4}	818.948	733.338 E3	10.5	81	-0.02
7 L1c PCB 1016{5}	1.808	1.607 E6	11.1	80	-0.02
33 L7c PCB 1260	2.492	2.089 E6	16.2#	77	-0.03
34 L7c PCB 1260{2}	3.165	2.626 E6	17.0#	76	-0.03
35 L7c PCB 1260{3}	2.521	2.113 E6	16.2#	76	-0.03
36 L7C PCB 1260{4}	5.235	4.313 E6	17.6#	74	-0.04
37 L7C PCB 1260{5}	1.691	1.408 E6	16.7#	75	-0.06

Signal #2

1 S SURR1, TCMX	12.536	10.359 E6	17.4#	74	0.00
2 S SURR2,Decachlorobiphenyl	9.671	7.555 E6	21.9#	72	0.00
3 L1c PCB 1016	207.417	161.037 E3	22.4#	73	0.00
4 L1c PCB 1016{2}	496.676	387.237 E3	22.0#	73	0.00
5 L1c PCB 1016{3}	289.895	224.277 E3	22.6#	71	0.00
6 L1c PCB 1016{4}	463.842	363.759 E3	21.6#	72	0.00
7 L1c PCB 1016{5}	332.290	258.746 E3	22.1#	72	0.00
33 L7c PCB 1260	659.018	503.866 E3	23.5#	70	0.00
34 L7c PCB 1260{2}	541.105	453.858 E3	16.1#	76	0.00
35 L7c PCB 1260{3}	1033.432	849.052 E3	17.8#	72	0.00
36 L7C PCB 1260{4}	597.534	466.036 E3	22.0#	69	0.00
37 L7C PCB 1260{5}	459.290	371.971 E3	19.0#	72	0.00

Evaluate Continuing Calibration Report - Not Founds

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH619.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 6:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:28 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8C PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8C PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8C PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8C PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8C PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9C PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9C PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9C PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9C PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9C PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH619.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 6:56 pm
 Operator :
 Sample : ccv
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 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
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 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 66

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH619.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 6:56 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

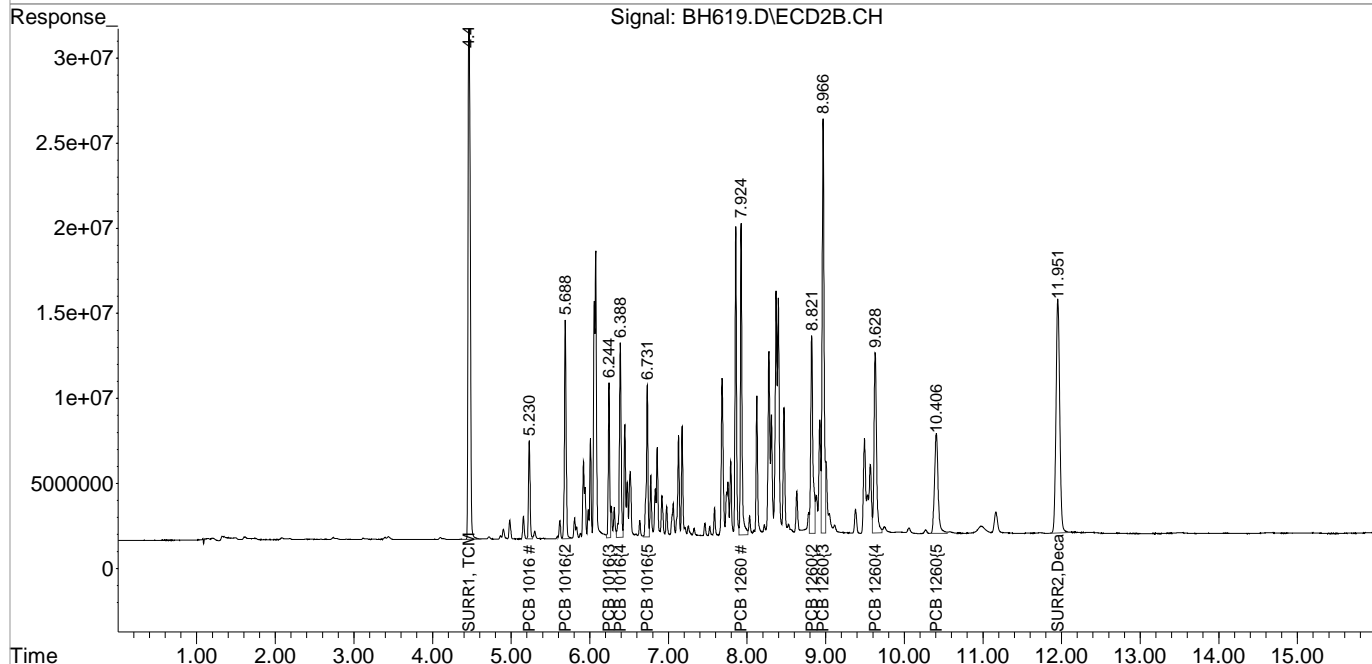
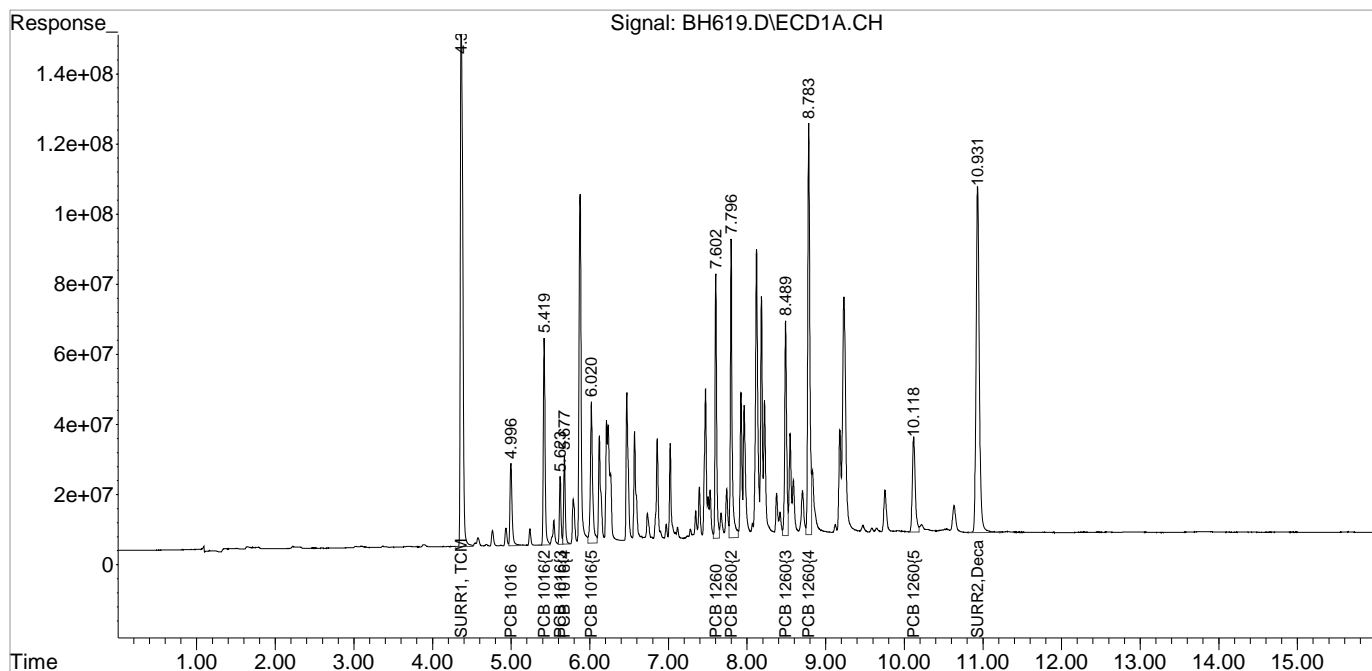
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.462	3333.6E6	621.5E6	55.123	49.579
Spiked Amount	100.000	Range	30 - 150	Recovery	= 55.12%	49.58%
2) S SURR2, Dec...	10.931	11.951	2780.4E6	453.3E6	48.490	46.872
Spiked Amount	100.000	Range	30 - 150	Recovery	= 48.49%	46.87%
Target Compounds						
3) L1c PCB 1016	4.997	5.231	437.3E6	80518381	428.748	388.196
4) L1c PCB 1016{2}	5.420	5.689	912.1E6	193.6E6	414.288	389.829
5) L1c PCB 1016{3}	5.624	6.244	266.0E6	112.1E6	441.042	386.825
6) L1c PCB 1016{4}	5.678	6.388	366.7E6	181.9E6	447.732	392.115
7) L1c PCB 1016{5}	6.020	6.731	803.3E6	129.4E6	444.240	389.338
Sum PCB 1016			2785.3E6	697.5E6	2176.050	1946.303
Average PCB 1016					435.210	389.261
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.602	7.924	1044.3E6	251.9E6	419.041	382.286
34) L7c PCB 1260{2}	7.797	8.821	1313.2E6	226.9E6	414.851	419.381
35) L7c PCB 1260{3}	8.490	8.967	1056.6E6	424.5E6	419.078	410.793
36) L7c PCB 1260{4}	8.784	9.629	2156.7E6	233.0E6	412.008	389.966
37) L7c PCB 1260{5}	10.118	10.406	704.0E6	186.0E6	416.271	404.941
Sum PCB 1260			6274.8E6	1322.4E6	2081.249	2007.367
Average PCB 1260					416.250	401.473
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH619.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 6:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:28 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

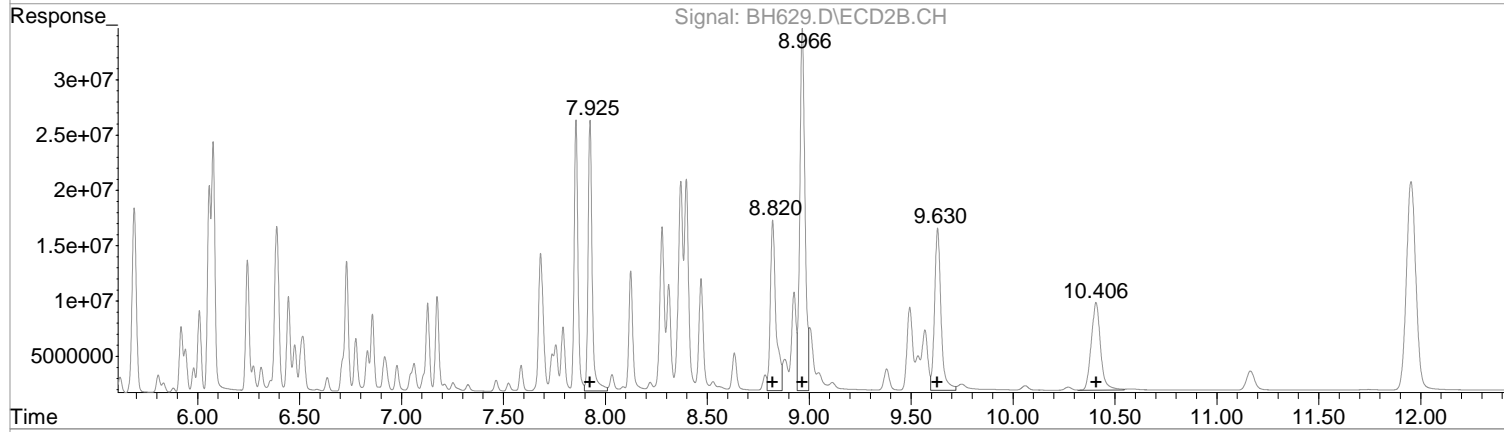
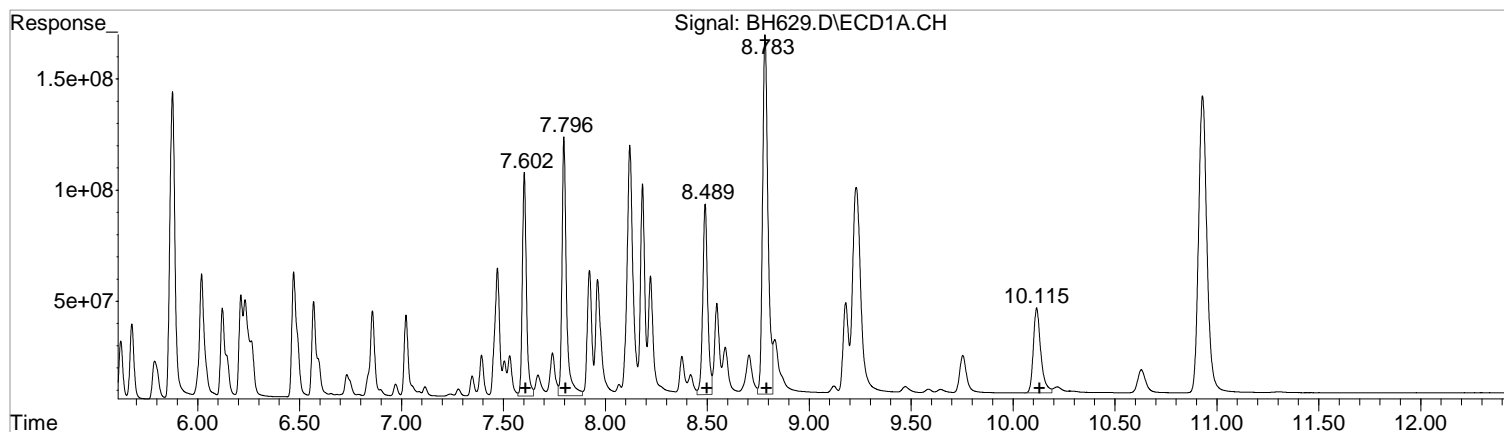
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1409851233	565.74
7.80	1774453862	560.56
8.49	1441043809	571.57
8.78	2992974030	571.78
10.12	969881373	573.45

(33) PCB 1260 #2 (L7c)

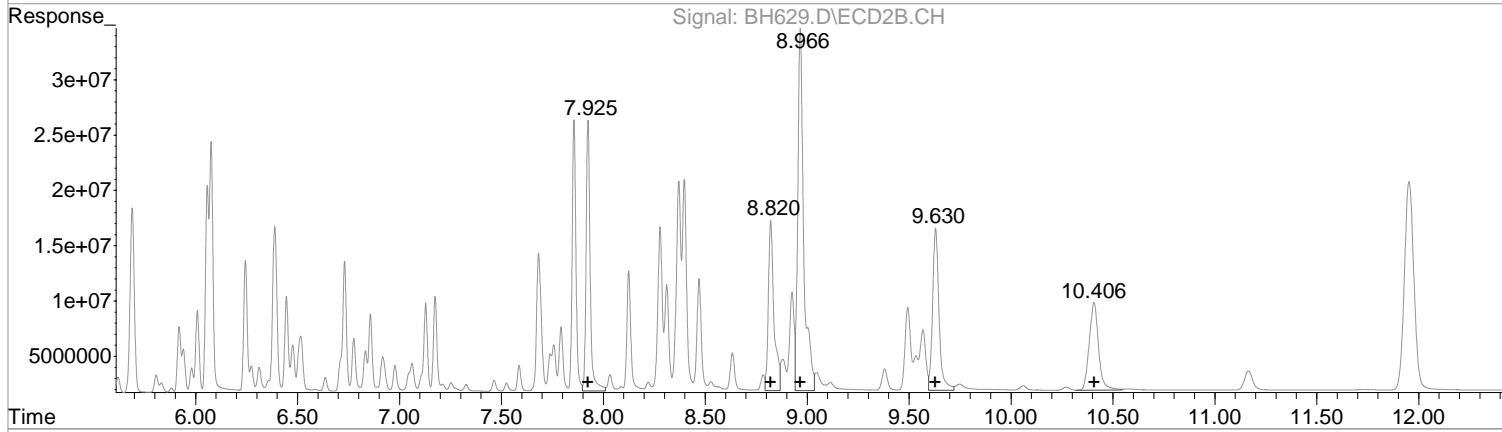
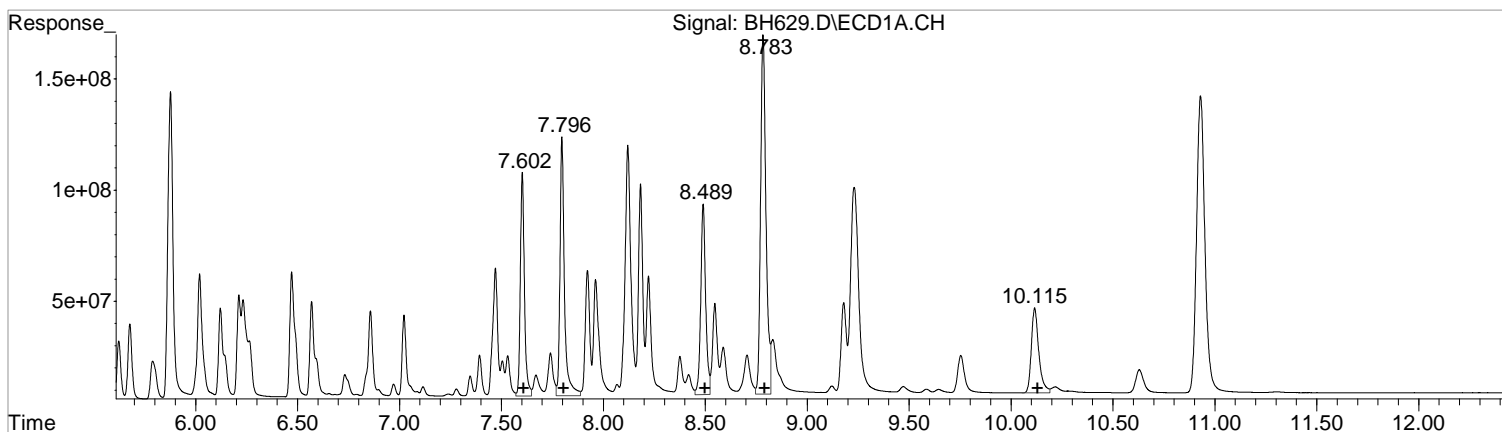
R.T.	Response	Conc
7.92	339735180	515.52
8.82	295090849	545.35
8.97	581828176	563.01
9.63	321942167	538.78
10.41	252167953	549.04

Manual Integration:
After
Poor integration.
05/09/19

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.60	1409851233	565.74
7.80	1774453862	560.56
8.49	1441043809	571.57
8.78	2992974030	571.78
10.12	969881373	573.45

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.92	339735180	515.52
8.82	295090849	545.35
8.97	664216755	642.73
9.63	321942167	538.78
10.41	252167953	549.04

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	73.008 E6	-20.7#	105	-0.02
2 S SURR2,Decachlorobiphenyl	57.338	64.341 E6	-12.2	103	-0.07
3 L1c PCB 1016	1019.835	1137.758 E3	-11.6	104	-0.02
4 L1c PCB 1016{2}	2.202	2.348 E6	-6.6	96	-0.02
5 L1c PCB 1016{3}	603.161	714.523 E3	-18.5#	107	-0.02
6 L1c PCB 1016{4}	818.948	974.823 E3	-19.0#	108	-0.02
7 L1c PCB 1016{5}	1.808	2.144 E6	-18.6#	106	-0.02
33 L7c PCB 1260	2.492	2.820 E6	-13.2	104	-0.03
34 L7c PCB 1260{2}	3.165	3.549 E6	-12.1	103	-0.03
35 L7c PCB 1260{3}	2.521	2.882 E6	-14.3	103	-0.03
36 L7C PCB 1260{4}	5.235	5.986 E6	-14.3	103	-0.04
37 L7C PCB 1260{5}	1.691	1.940 E6	-14.7	104	-0.06

Signal #2

1 S SURR1, TCMX	12.536	13.123 E6	-4.7	93	0.00
2 S SURR2,Decachlorobiphenyl	9.671	10.263 E6	-6.1	97	0.00
3 L1c PCB 1016	207.417	203.165 E3	2.0	92	0.00
4 L1c PCB 1016{2}	496.676	491.766 E3	1.0	93	0.00
5 L1c PCB 1016{3}	289.895	292.209 E3	-0.8	93	0.00
6 L1c PCB 1016{4}	463.842	472.846 E3	-1.9	94	0.00
7 L1c PCB 1016{5}	332.290	338.802 E3	-2.0	94	0.00
33 L7c PCB 1260	659.018	679.470 E3	-3.1	94	0.00
34 L7c PCB 1260{2}	541.105	590.182 E3	-9.1	98	0.00
35 L7c PCB 1260{3}	1033.432	1163.656 E3	-12.6	98	0.00
36 L7C PCB 1260{4}	597.534	643.884 E3	-7.8	96	0.00
37 L7C PCB 1260{5}	459.290	504.336 E3	-9.8	98	0.00

Evaluate Continuing Calibration Report - Not Found

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8C PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8C PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8C PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8C PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8C PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9C PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9C PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9C PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9C PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9C PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 53

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
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 Response via : Initial Calibration
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Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

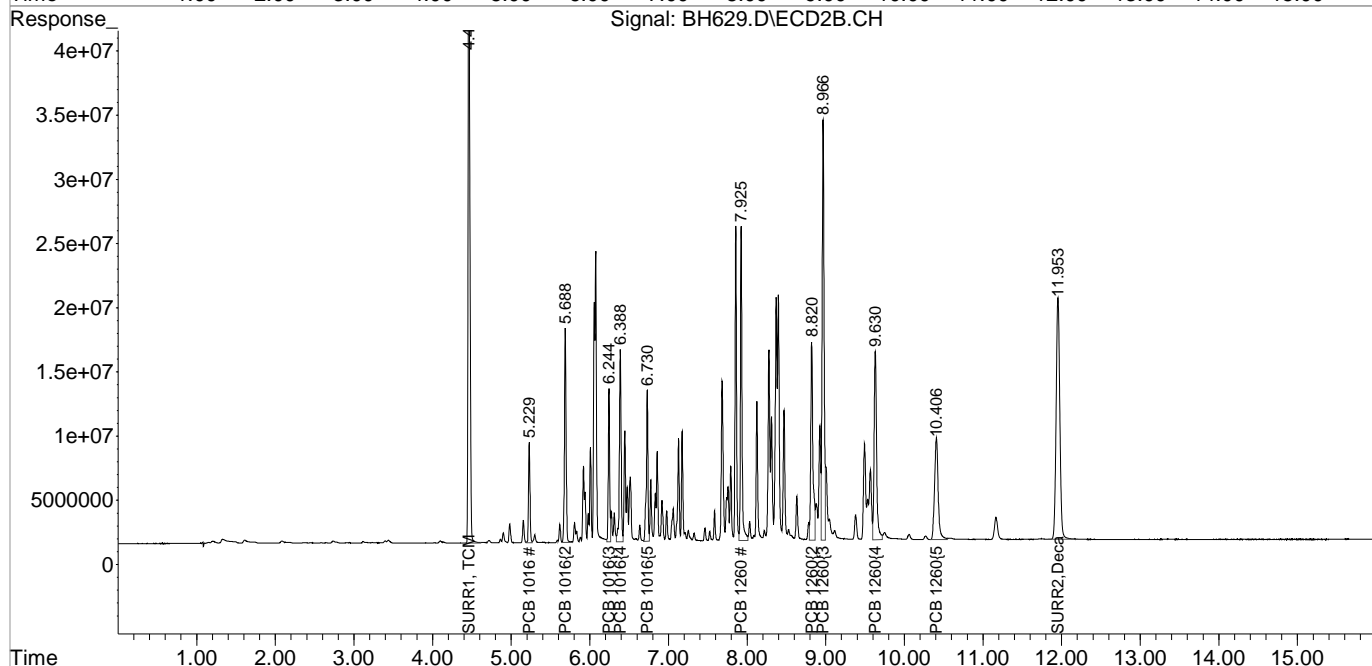
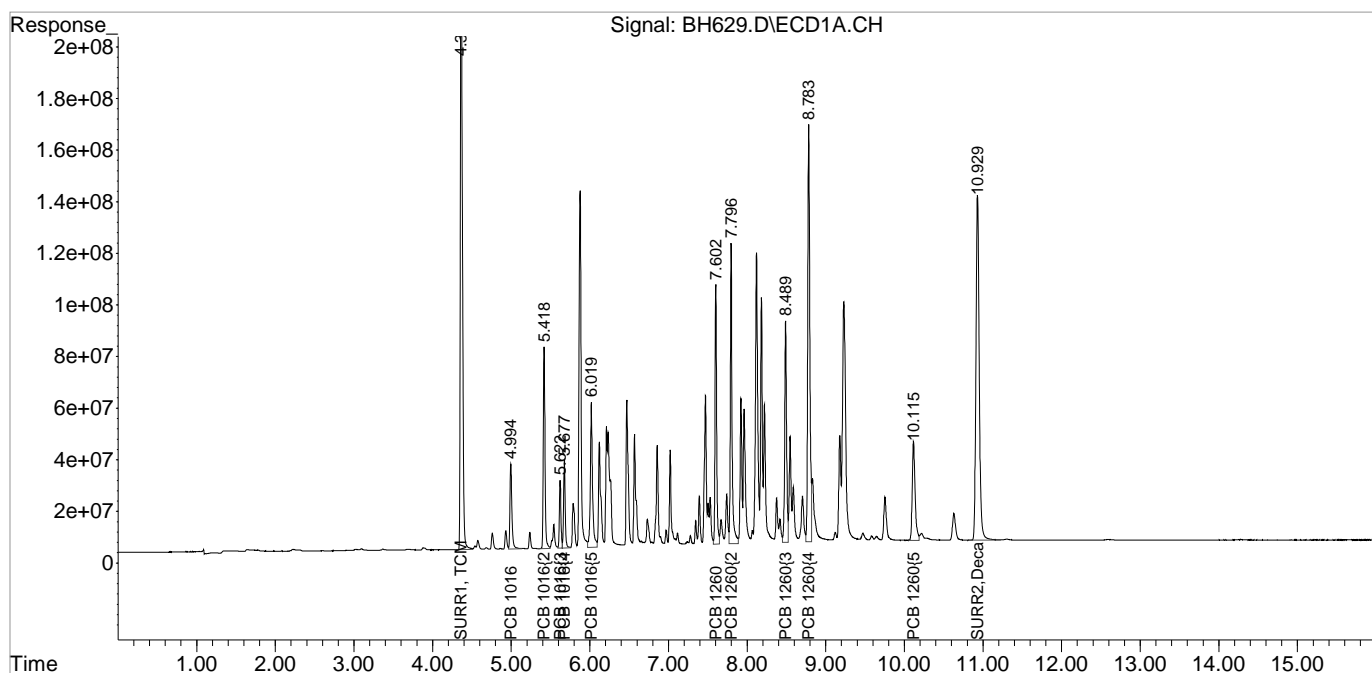
System Monitoring Compounds						
1) S SURR1, TCMX	4.364	4.462	4380.5E6	787.4E6	72.434	62.809
Spiked Amount	100.000	Range	30 - 150	Recovery	= 72.43%	62.81%
2) S SURR2, Dec...	10.930	11.953	3860.5E6	615.8E6	67.328	63.673
Spiked Amount	100.000	Range	30 - 150	Recovery	= 67.33%	63.67%
Target Compounds						
3) L1c PCB 1016	4.995	5.230	568.9E6	101.6E6	557.815	489.749
4) L1c PCB 1016{2}	5.419	5.689	1174.2E6	245.9E6	533.345	495.058
5) L1c PCB 1016{3}	5.623	6.244	357.3E6	146.1E6	592.315	503.992
6) L1c PCB 1016{4}	5.677	6.388	487.4E6	236.4E6	595.168	509.705
7) L1c PCB 1016{5}	6.019	6.731	1072.0E6	169.4E6	592.897	509.800
Sum PCB 1016			3659.8E6	899.4E6	2871.540	2508.304
Average PCB 1016					574.308	501.661
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.602	7.925	1409.9E6	339.7E6	565.743	515.517
34) L7c PCB 1260{2}	7.797	8.821	1774.5E6	295.1E6	560.562	545.349
35) L7c PCB 1260{3}	8.490	8.966	1441.0E6	581.8E6	571.567	563.006m
36) L7C PCB 1260{4}	8.783	9.630	2993.0E6	321.9E6	571.776	538.785
37) L7C PCB 1260{5}	10.116	10.407	969.9E6	252.2E6	573.445	549.039
Sum PCB 1260			8588.2E6	1790.8E6	2843.093	2711.696
Average PCB 1260					568.619	542.339
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH472.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:16 am
 Operator :
 Sample : blk
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 15:05:13 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

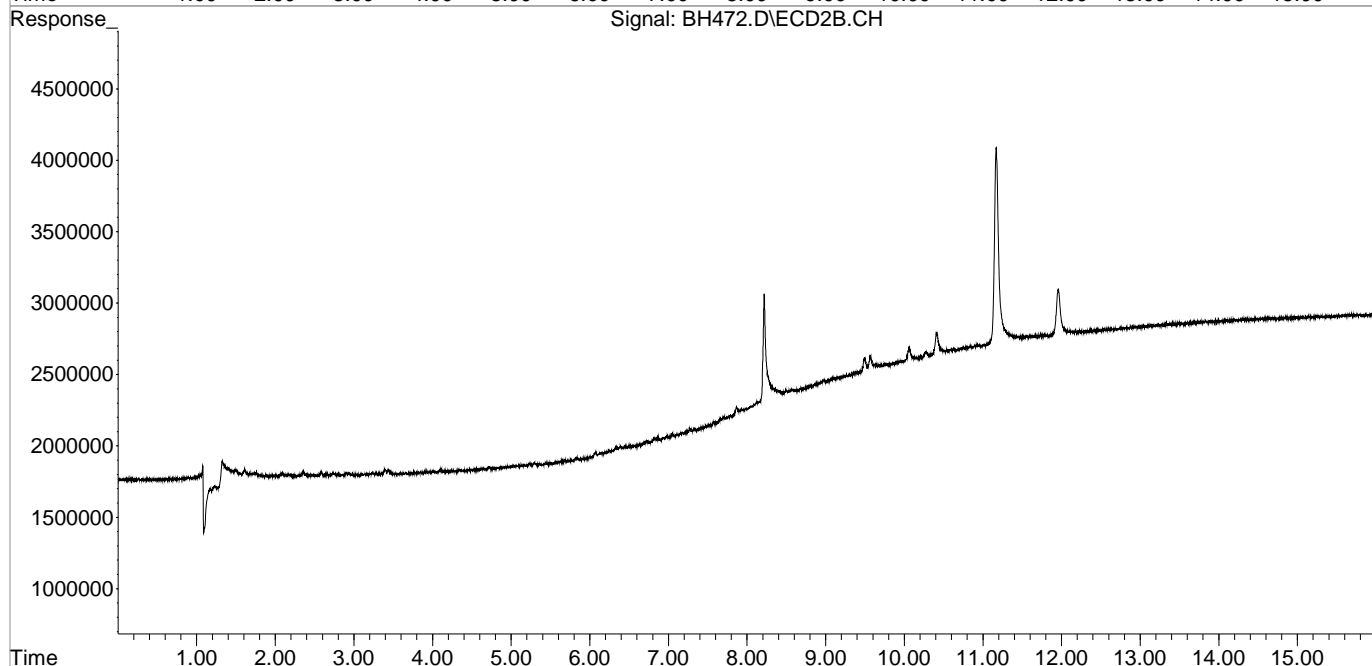
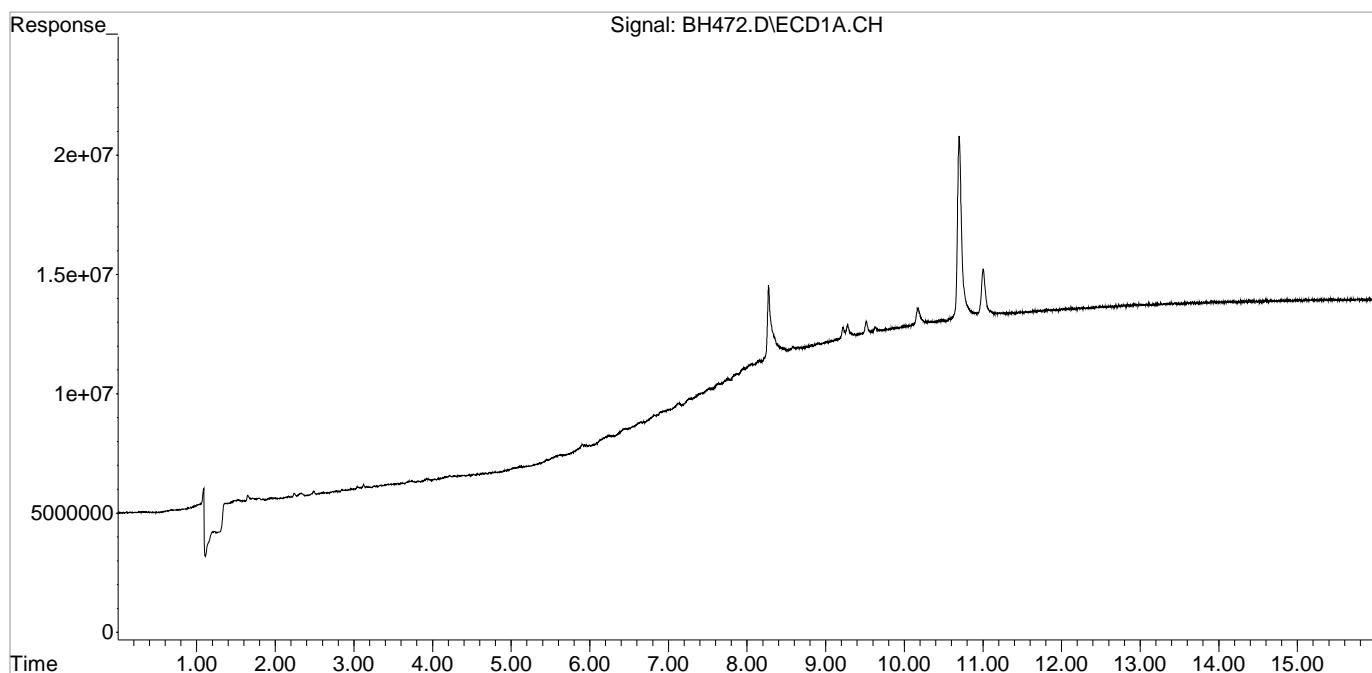
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH472.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:16 am
Operator :
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 15:05:13 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:58:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

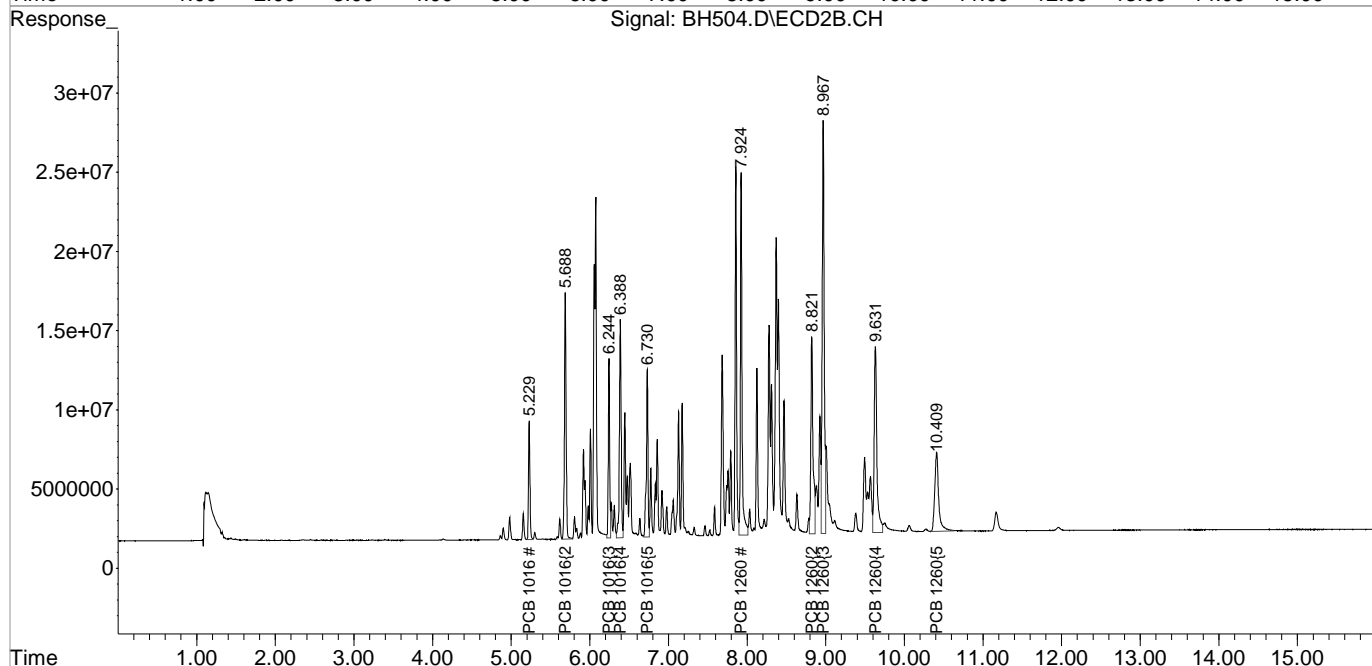
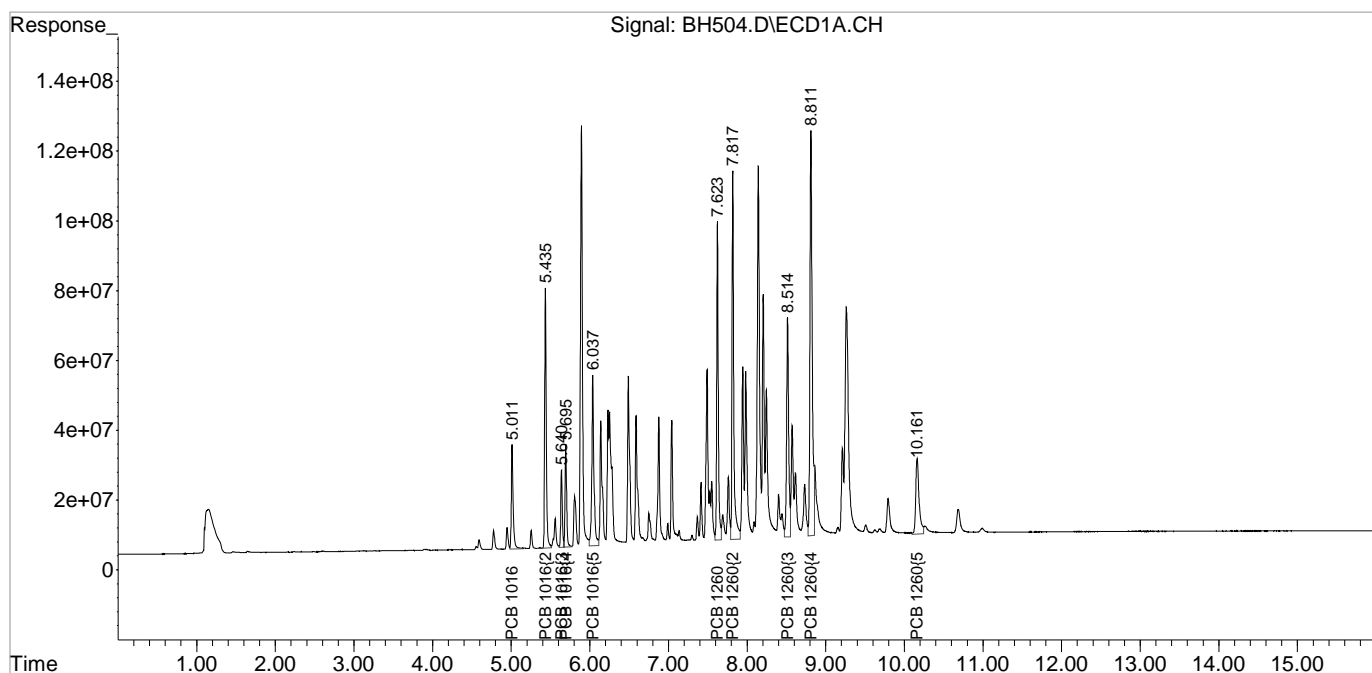
3) L1c PCB 1016	5.011	5.229	498.6E6	96248832	488.860	464.035
4) L1c PCB 1016{2}	5.436	5.688	1092.2E6	231.4E6	496.092	465.860
5) L1c PCB 1016{3}	5.640	6.244	301.5E6	136.5E6	499.829	470.967
6) L1c PCB 1016{4}	5.695	6.389	415.3E6	216.8E6	507.112	467.374
7) L1c PCB 1016{5}	6.038	6.731	921.9E6	154.2E6	509.834	464.038
Sum PCB 1016			3229.3E6	835.1E6	2501.727	2332.275
Average PCB 1016					500.345	466.455
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.623	7.925	1279.8E6	331.6E6	513.563	503.224
34) L7c PCB 1260{2}	7.818	8.822	1620.0E6	243.8E6	511.768	450.511
35) L7c PCB 1260{3}	8.515	8.967	1134.3E6	463.9E6	449.906	448.930
36) L7c PCB 1260{4}	8.811	9.631	2343.3E6	280.9E6	447.664m	470.021
37) L7c PCB 1260{5}	10.161	10.410	648.1E6	174.8E6	383.209m	380.631
Sum PCB 1260			7025.6E6	1495.0E6	2306.109	2253.317
Average PCB 1260					461.222	450.663
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH504.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 11:08 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:58:59 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:58:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 L1c PCB 1016	500.000	488.860	2.2	91	0.00
4 L1c PCB 1016{2}	500.000	496.092	0.8	90	0.00
5 L1c PCB 1016{3}	500.000	499.829	0.0	91	0.00
6 L1c PCB 1016{4}	500.000	507.112	-1.4	92	0.00
7 L1c PCB 1016{5}	500.000	509.834	-2.0	91	0.00
33 L7c PCB 1260	500.000	513.563	-2.7	94	0.00
34 L7c PCB 1260{2}	500.000	511.768	-2.4	94	0.00
35 L7c PCB 1260{3}	500.000	449.906	10.0	81	0.00
36 L7C PCB 1260{4}	500.000	447.664	10.5	81	0.00
37 L7C PCB 1260{5}	500.000	383.209	23.4#	69	-0.01

Signal #2

3 L1c PCB 1016	500.000	464.035	7.2	87	0.00
4 L1c PCB 1016{2}	500.000	465.860	6.8	87	0.00
5 L1c PCB 1016{3}	500.000	470.967	5.8	87	0.00
6 L1c PCB 1016{4}	500.000	467.374	6.5	86	0.00
7 L1c PCB 1016{5}	500.000	464.038	7.2	85	0.00
33 L7c PCB 1260	500.000	503.224	-0.6	92	0.00
34 L7c PCB 1260{2}	500.000	450.511	9.9	81	0.00
35 L7c PCB 1260{3}	500.000	448.930	10.2	78	0.00
36 L7C PCB 1260{4}	500.000	470.021	6.0	83	0.00
37 L7C PCB 1260{5}	500.000	380.631	23.9#	68	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1, TCMX	60.000	0.000	100.0#	0	-4.38#
2 S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-11.00#
8 L2c PCB 1221	500.000	0.000	100.0#	0	-4.78#
9 L2c PCB 1221{2}	500.000	0.000	100.0#	0	-4.95#
10 L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.02#
11 L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.44#
12 L2c PCB 1221{5}	500.000	0.000	100.0#	0	-6.24#
13 L3c PCB 1232	500.000	0.000	100.0#	0	-5.01#
14 L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.44#
15 L3c PCB 1232{3}	500.000	0.000	100.0#	0	-5.90#
16 L3c PCB 1232{4}	500.000	0.000	100.0#	0	-6.04#
17 L3c PCB 1232{5}	500.000	0.000	100.0#	0	-6.49#
18 L4c PCB 1242	500.000	0.000	100.0#	0	-5.01#
19 L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.70#
20 L4c PCB 1242{3}	500.000	0.000	100.0#	0	-5.90#
21 L4c PCB 1242{4}	500.000	0.000	100.0#	0	-6.49#
22 L4c PCB 1242{5}	500.000	0.000	100.0#	0	-6.59#
23 L5c PCB 1248	500.000	0.000	100.0#	0	-5.44#

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 L5c PCB 1248{2}	500.000	0.000	100.0#	0	-5.90#
25 L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.04#
26 L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.49#
27 L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.59#
28 L6c PCB 1254	500.000	0.000	100.0#	0	-7.30#
29 L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.37#
30 L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.48#
31 L6c PCB 1254{4}	500.000	0.000	100.0#	0	-7.63#
32 L6c PCB 1254{5}	500.000	0.000	100.0#	0	-8.51#
38 L8C PCB 1268	500.000	0.000	100.0	0	-8.21#
39 L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.45#
40 L8C PCB 1268{3}	500.000	0.000	100.0	0	-9.51#
41 L8C PCB 1268{4}	500.000	0.000	100.0	0	-9.63#
42 L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.17#
43 L9C PCB 1262	500.000	0.000	100.0	0	-7.49#
44 L9C PCB 1262{2}	500.000	0.000	100.0	0	-7.62#
45 L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.21#
46 L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.27#
47 L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.16#

Signal #2

1 S SURR1, TCMX	60.000	0.000	100.0#	0	-4.46#
2 S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-11.96#
8 L2c PCB 1221	500.000	0.000	100.0#	0	-4.14#
9 L2c PCB 1221{2}	500.000	0.000	100.0#	0	-4.98#
10 L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.16#
11 L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.23#
12 L2c PCB 1221{5}	500.000	0.000	100.0#	0	-5.30#
13 L3c PCB 1232	500.000	0.000	100.0#	0	-5.16#
14 L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.23#
15 L3c PCB 1232{3}	500.000	0.000	100.0#	0	-5.69#
16 L3c PCB 1232{4}	500.000	0.000	100.0#	0	-6.98#
17 L3c PCB 1232{5}	500.000	0.000	100.0#	0	-7.05#
18 L4c PCB 1242	500.000	0.000	100.0#	0	-5.23#
19 L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.69#
20 L4c PCB 1242{3}	500.000	0.000	100.0#	0	-6.73#
21 L4c PCB 1242{4}	500.000	0.000	100.0#	0	-7.04#
22 L4c PCB 1242{5}	500.000	0.000	100.0#	0	-7.33#
23 L5c PCB 1248	500.000	0.000	100.0#	0	-5.69#
24 L5c PCB 1248{2}	500.000	0.000	100.0#	0	-6.39#
25 L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.45#
26 L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.73#
27 L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	500.000	0.000	100.0#	0	-7.18#
29 L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.59#
30 L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.80#
31 L6c PCB 1254{4}	500.000	0.000	100.0#	0	-8.37#
32 L6c PCB 1254{5}	500.000	0.000	100.0#	0	-8.88#
38 L8C PCB 1268	500.000	0.000	100.0	0	-8.40#
39 L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.79#
40 L8C PCB 1268{3}	500.000	0.000	100.0	0	-10.06#
41 L8C PCB 1268{4}	500.000	0.000	100.0	0	-10.27#
42 L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.41#
43 L9C PCB 1262	500.000	0.000	100.0	0	-7.68#
44 L9C PCB 1262{2}	500.000	0.000	100.0	0	-7.93#
45 L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.40#
46 L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.50#
47 L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.41#

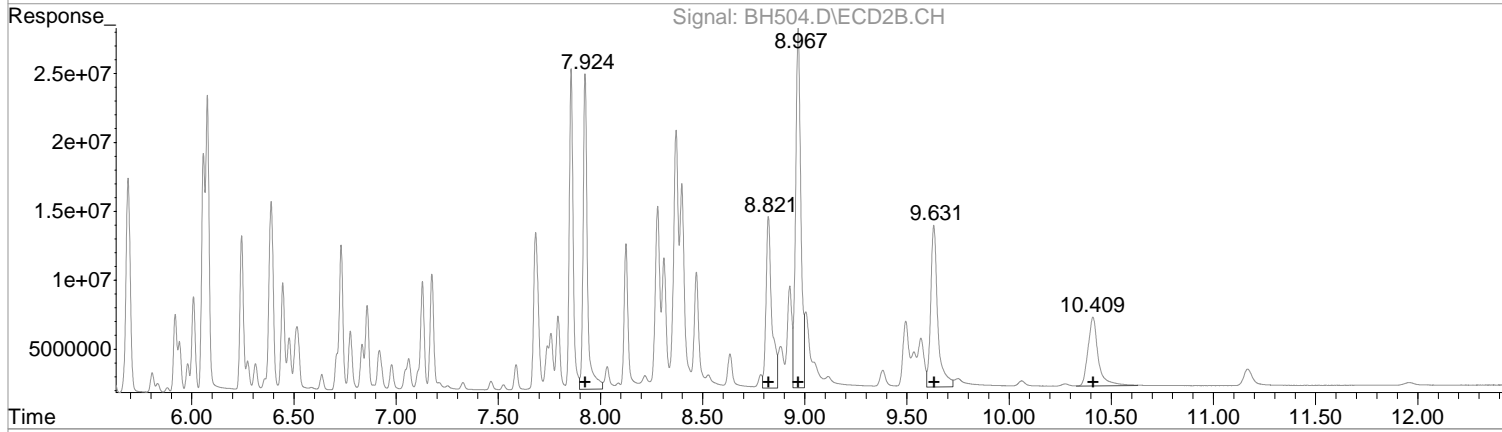
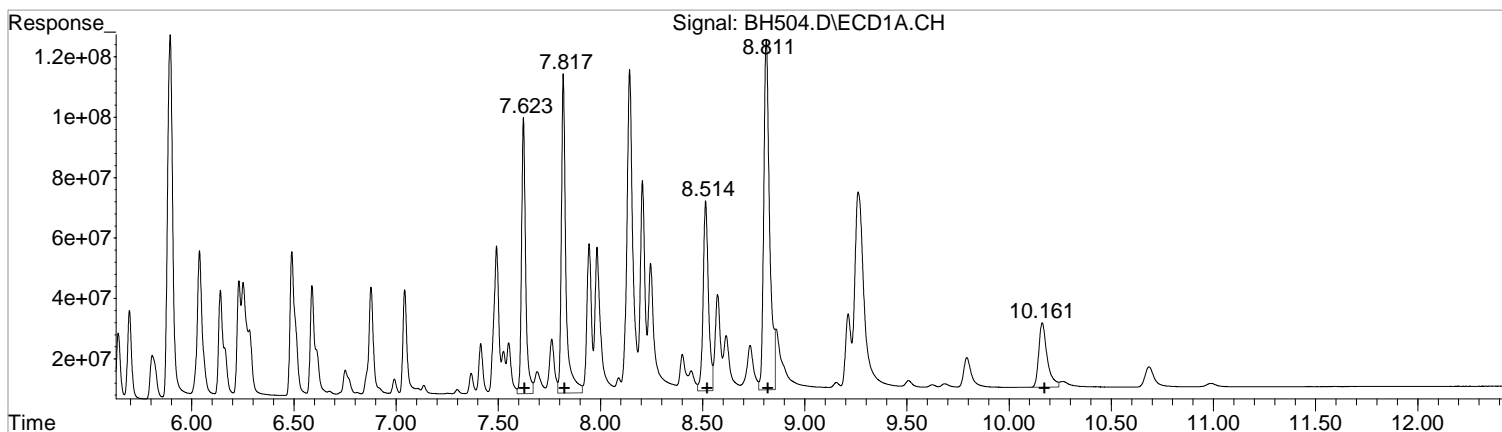
(#) = Out of Range

SPCC's out = 0 CCC's out = 52

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH504.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 11:08 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:58:59 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:58:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.62	1279815807	513.56
7.82	1619998795	511.77
8.51	1134310288	449.91
8.81	2343305410	447.66
10.16	615892321	364.15

Manual Integration:
Before
04/22/19

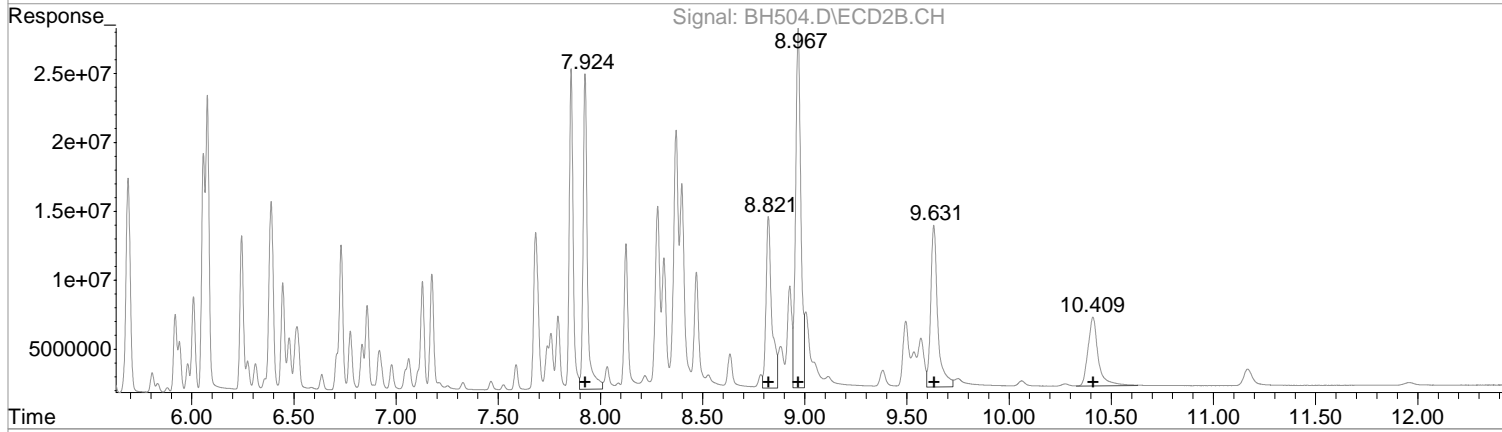
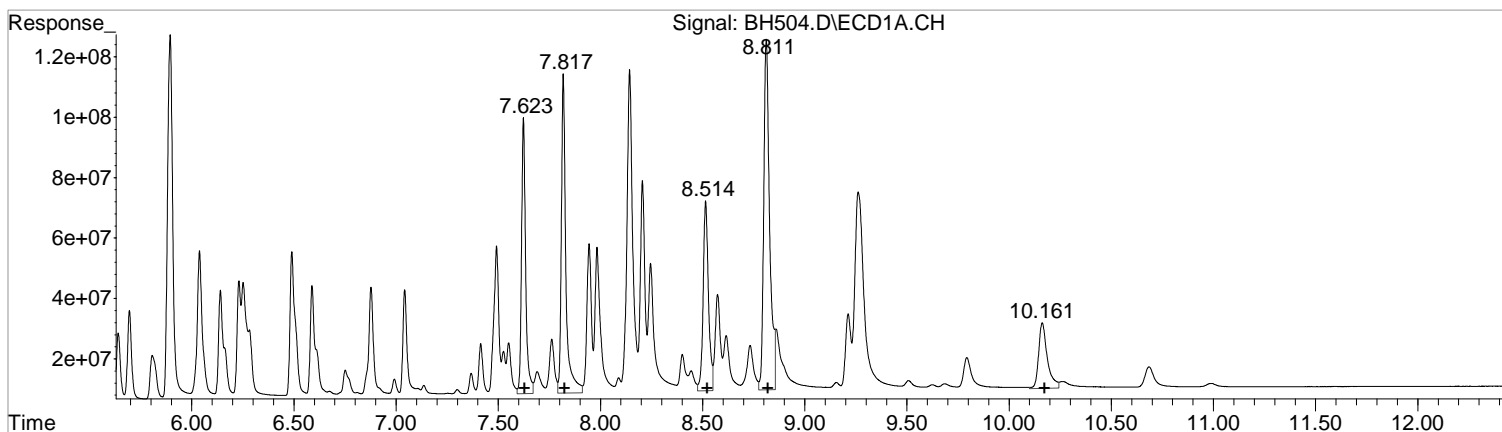
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	331633605	503.22
8.82	243773799	450.51
8.97	463938704	448.93
9.63	280853571	470.02
10.41	174819829	380.63

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.62	1279815807	513.56
7.82	1619998795	511.77
8.51	1134310288	449.91
8.81	2343305410	447.66
10.16	648129712	383.21

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	331633605	503.22
8.82	243773799	450.51
8.97	463938704	448.93
9.63	280853571	470.02
10.41	174819829	380.63

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH503.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:47 am
 Operator :
 Sample : 1262 M
 Misc : INITIAL CAL.
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:42 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.378	4.461	3715.5E6	729.8E6	62.291	57.100
Spiked Amount	100.000	Range	30 - 150	Recovery =	62.29%	57.10%
2) S SURR2, Dec...	10.989	11.960	3145.6E6	527.3E6	55.475	53.497
Spiked Amount	100.000	Range	30 - 150	Recovery =	55.47%	53.50%

Target Compounds

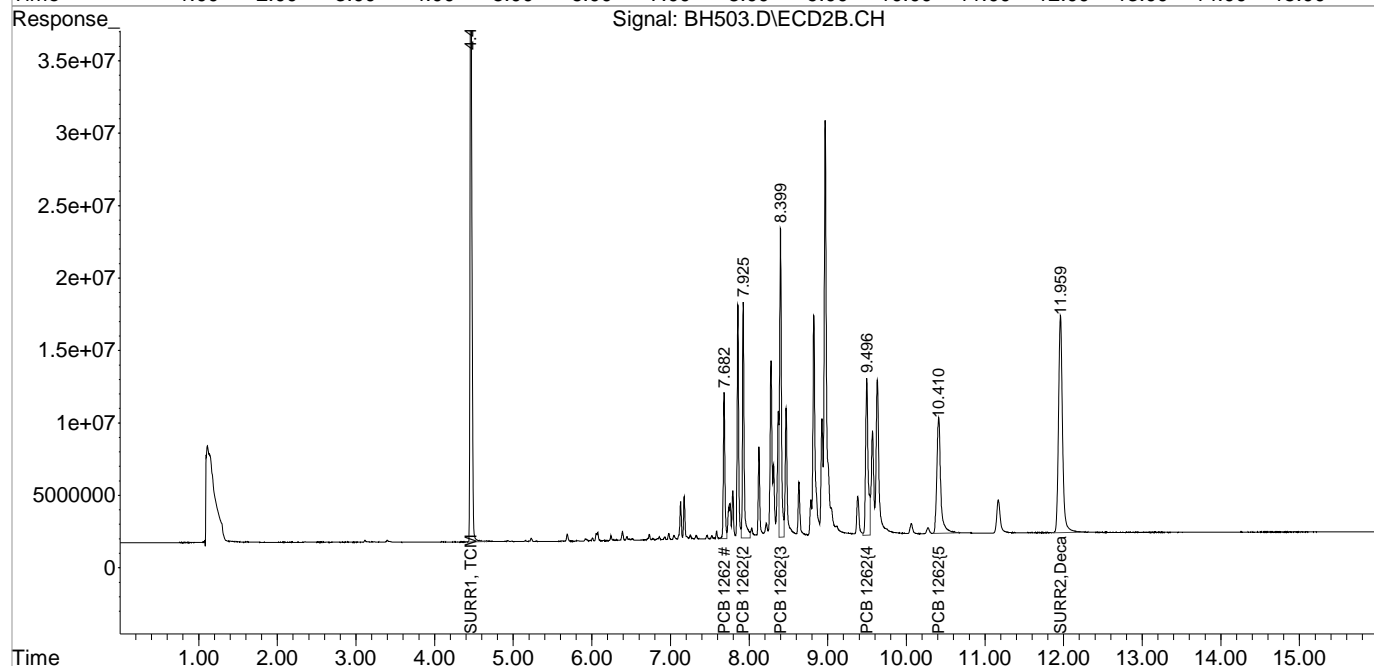
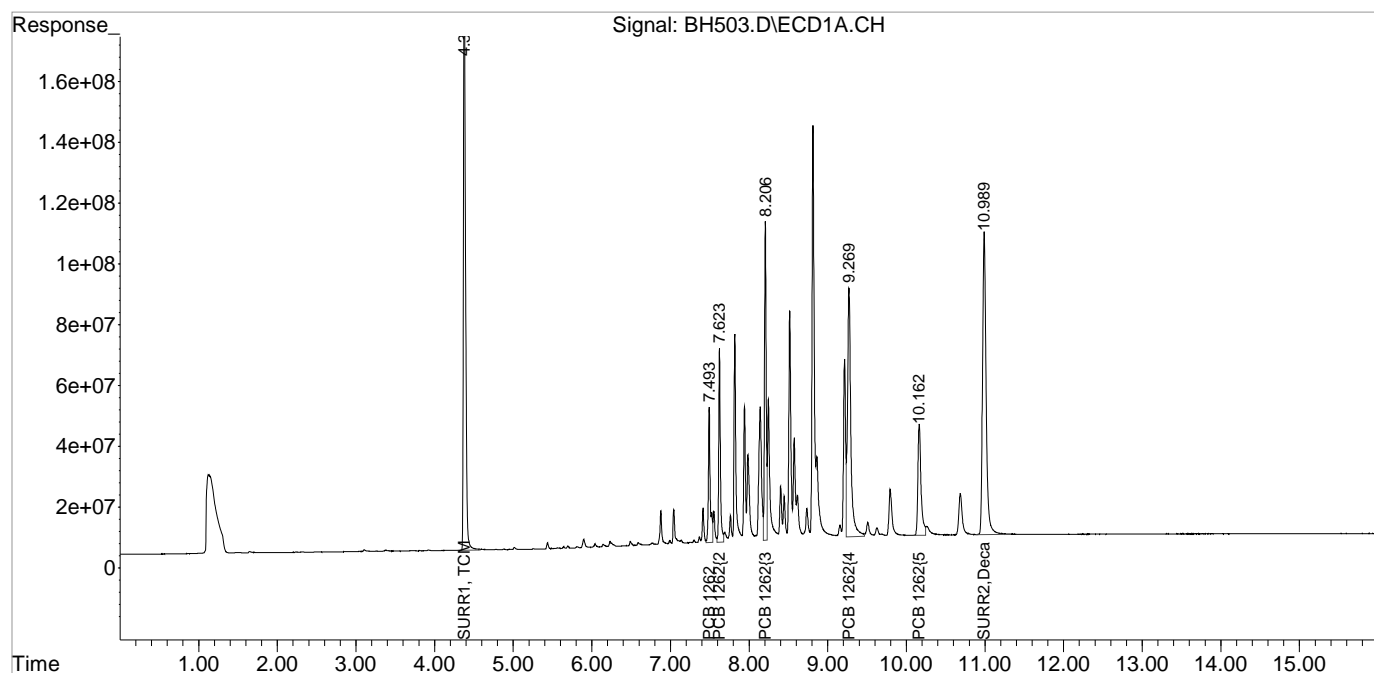
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
43) L9C PCB 1262	7.493	7.682	747.8E6	138.7E6	586.530	487.311
44) L9C PCB 1262{2}	7.624	7.925	923.1E6	235.8E6	505.094	496.062
45) L9C PCB 1262{3}	8.206	8.399	1559.2E6	341.9E6	503.560	489.726
46) L9C PCB 1262{4}	9.270	9.496	2427.1E6	243.5E6	484.014	491.615
47) L9C PCB 1262{5}	10.163	10.411	1019.5E6	277.2E6	461.273	480.948
Sum PCB 1262			6676.7E6	1237.1E6	2540.470	2445.663
Average PCB 1262					508.094	489.133

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH503.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:47 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:42 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH502.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:27 am
 Operator :
 Sample : 1248 H
 Misc : INITIAL CAL.
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:39 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.378	4.461	6167.5E6	1190.8E6	103.398	93.164
Spiked Amount	100.000	Range	30 - 150	Recovery	= 103.40%	93.16%
2) S SURR2, Dec...	10.989	11.959	5182.2E6	857.5E6	91.391	86.998
Spiked Amount	100.000	Range	30 - 150	Recovery	= 91.39%	87.00%

Target Compounds

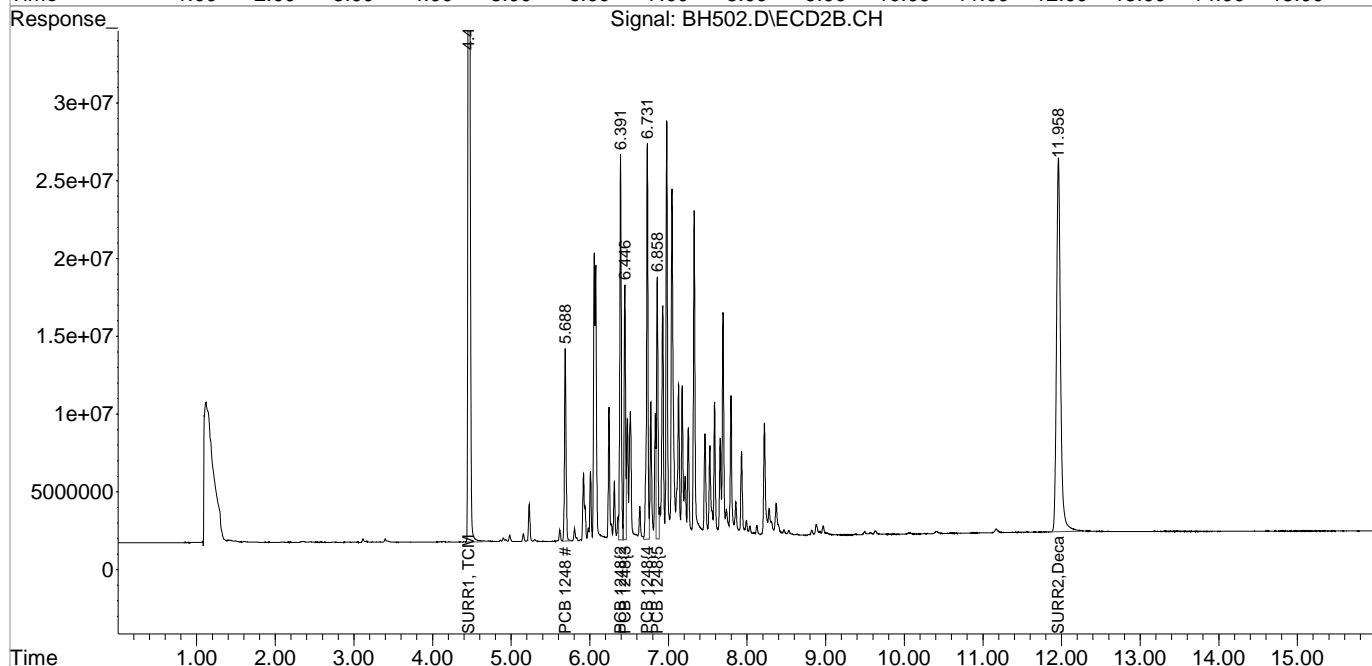
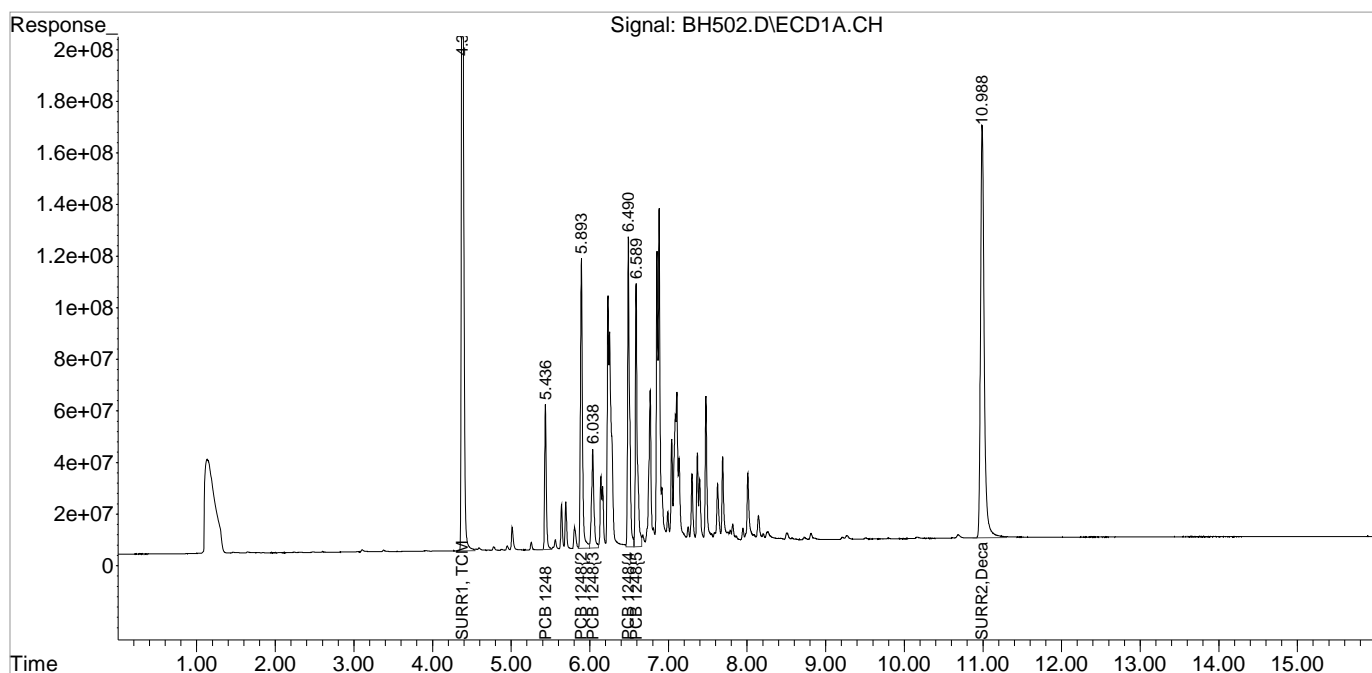
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.436	5.688	829.5E6	174.5E6	888.336	825.272
24) L5c PCB 1248{2}	5.894	6.392	2026.7E6	335.3E6	948.073	865.953
25) L5c PCB 1248{3}	6.038	6.446	814.7E6	201.1E6	948.070	839.147
26) L5c PCB 1248{4}	6.490	6.732	2075.5E6	343.1E6	984.356	833.364
27) L5c PCB 1248{5}	6.589	6.859	1722.8E6	207.4E6	1030.986	900.702
Sum PCB 1248			7469.2E6	1261.5E6	4799.821	4264.438
Average PCB 1248					959.964	852.888
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH502.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:27 am
Operator :
Sample : 1248 H
Misc : INITIAL CAL.
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:39 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH501.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:06 am
 Operator :
 Sample : 1248 MH
 Misc : INITIAL CAL.
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:36 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

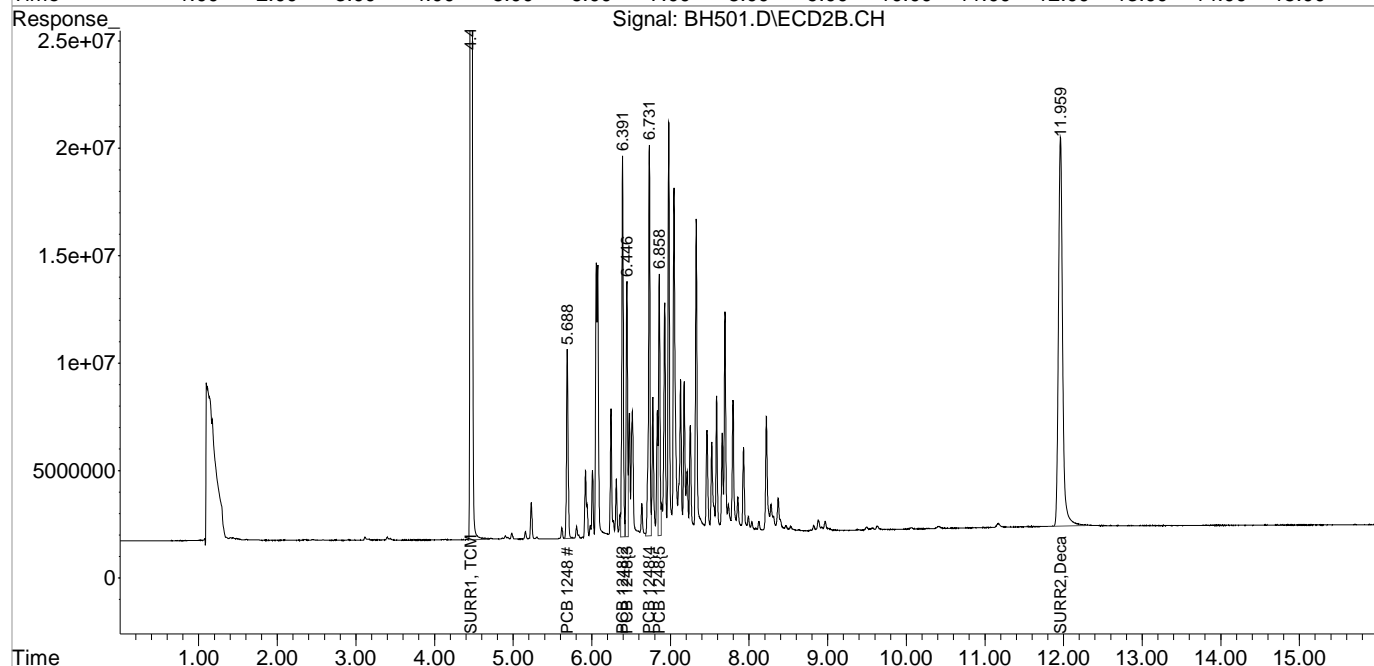
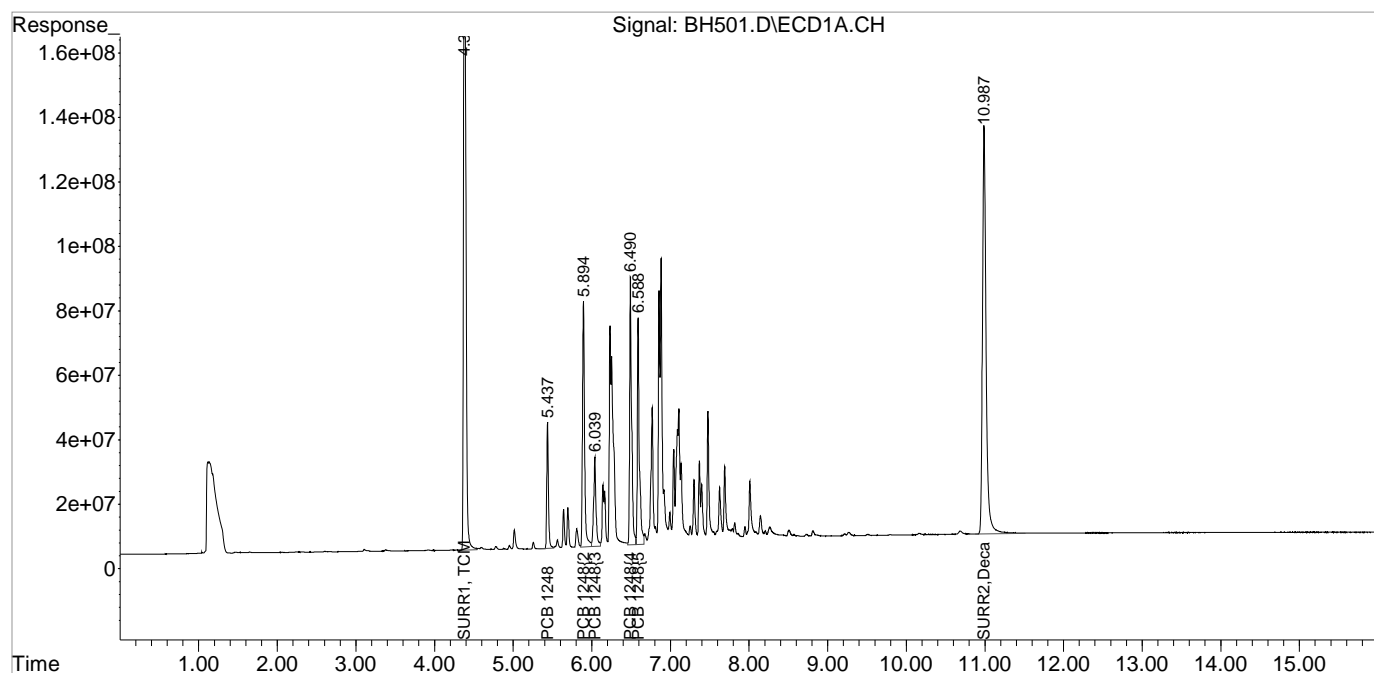
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.462	4607.0E6	902.8E6	77.236	70.635
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.24%	70.64%
2) S SURR2, Dec...	10.987	11.959	4037.4E6	666.1E6	71.202	67.577
Spiked Amount	100.000	Range	30 - 150	Recovery	= 71.20%	67.58%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.688	588.2E6	126.0E6	629.903	595.793
24) L5c PCB 1248{2}	5.894	6.392	1419.1E6	240.6E6	663.840	621.167
25) L5c PCB 1248{3}	6.039	6.446	579.7E6	145.2E6	674.625	606.004
26) L5c PCB 1248{4}	6.491	6.732	1459.8E6	246.2E6	692.354	598.077
27) L5c PCB 1248{5}	6.589	6.858	1215.4E6	149.1E6	727.355	647.310
Sum PCB 1248			5262.2E6	907.0E6	3388.076	3068.351
Average PCB 1248					677.615	613.670
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH501.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:06 am
Operator :
Sample : 1248 MH
Misc : INITIAL CAL.
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:36 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH500.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:46 am
 Operator :
 Sample : 1248 M
 Misc : INITIAL CAL.
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:33 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.461	3534.5E6	700.1E6	59.255	54.774
Spiked Amount	100.000	Range	30 - 150	Recovery	= 59.26%	54.77%
2) S SURR2, Dec...	10.989	11.956	2943.1E6	491.1E6	51.904	49.821
Spiked Amount	100.000	Range	30 - 150	Recovery	= 51.90%	49.82%

Target Compounds

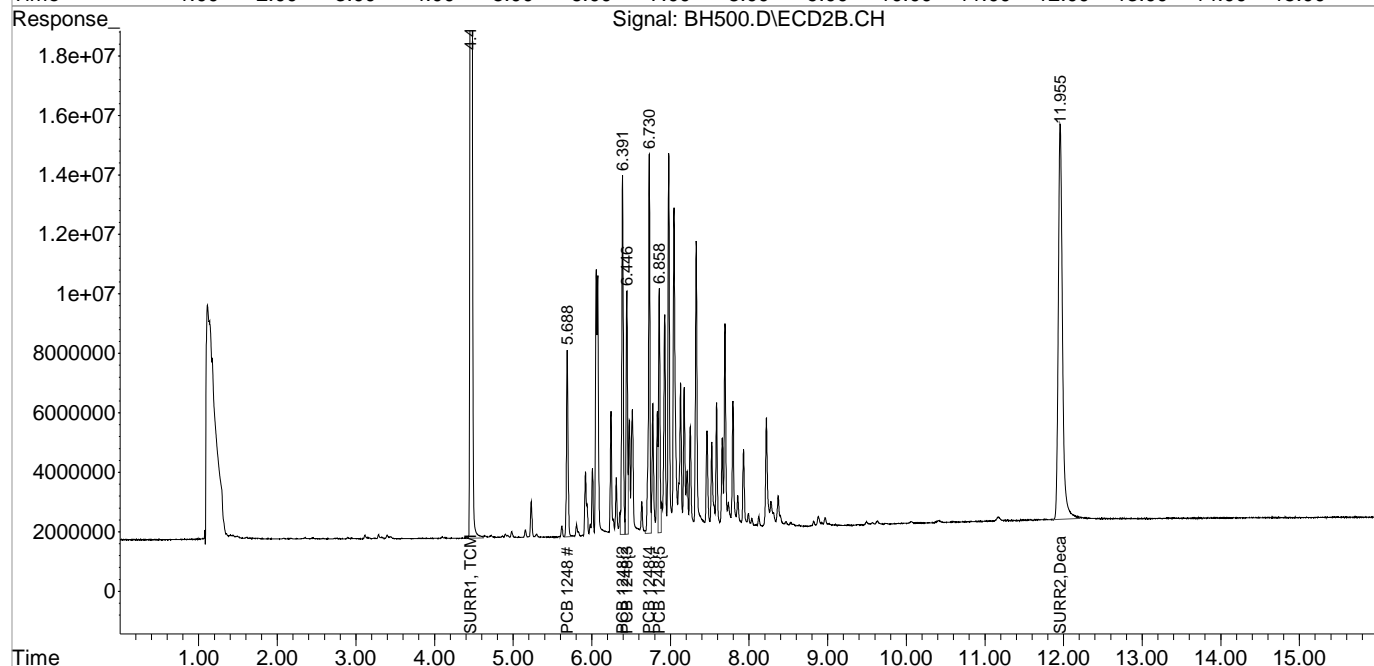
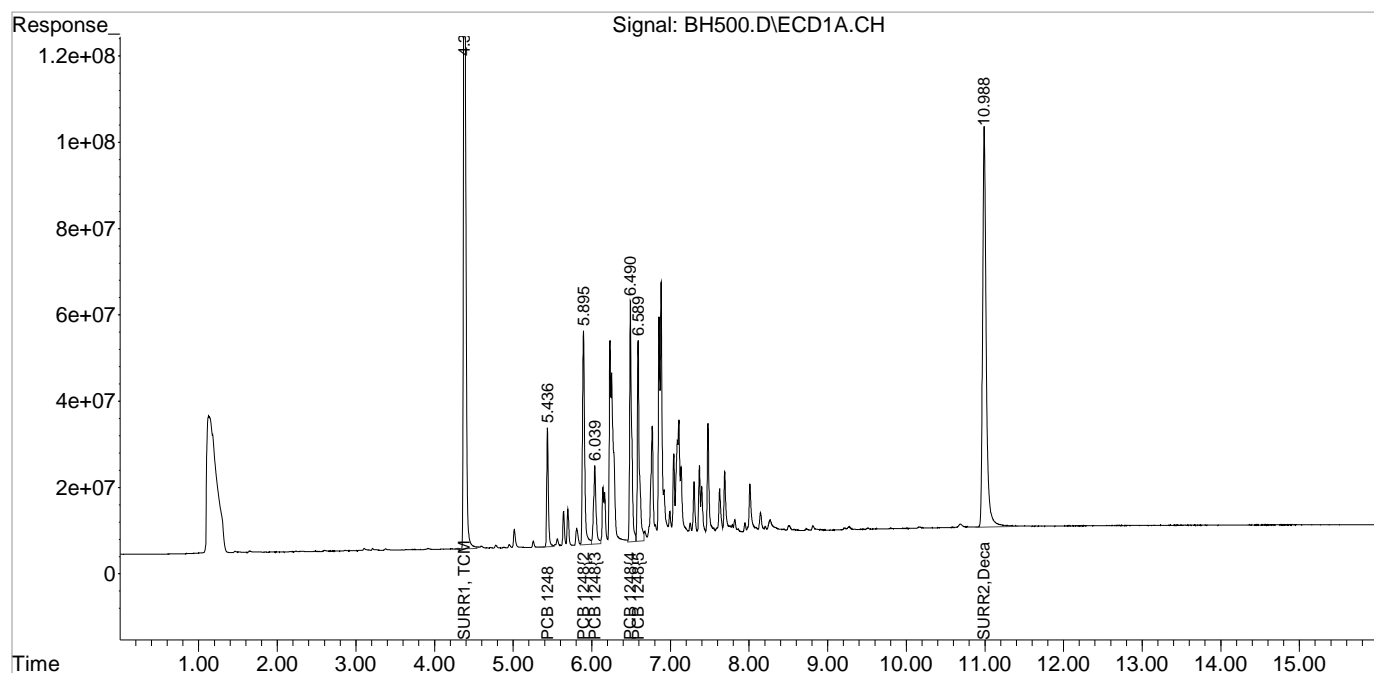
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.688	405.2E6	88887984	434.004	420.379
24) L5c PCB 1248{2}	5.895	6.391	964.6E6	167.0E6	451.213	431.202
25) L5c PCB 1248{3}	6.039	6.446	398.3E6	100.6E6	463.474	419.707
26) L5c PCB 1248{4}	6.491	6.731	983.3E6	169.5E6	466.366	411.812
27) L5c PCB 1248{5}	6.589	6.858	811.2E6	101.4E6	485.419	440.144
Sum PCB 1248			3562.6E6	627.4E6	2300.476	2123.244
Average PCB 1248					460.095	424.649
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH500.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:46 am
Operator :
Sample : 1248 M
Misc : INITIAL CAL.
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:33 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH499.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:26 am
 Operator :
 Sample : 1248 ML
 Misc : INITIAL CAL.
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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 System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.462	2197.9E6	444.4E6	36.848	34.767
Spiked Amount	100.000	Range	30 - 150	Recovery	= 36.85%	34.77%
2) S SURR2, Dec...	10.989	11.955	1957.3E6	332.0E6	34.518	33.685
Spiked Amount	100.000	Range	30 - 150	Recovery	= 34.52%	33.69%

Target Compounds

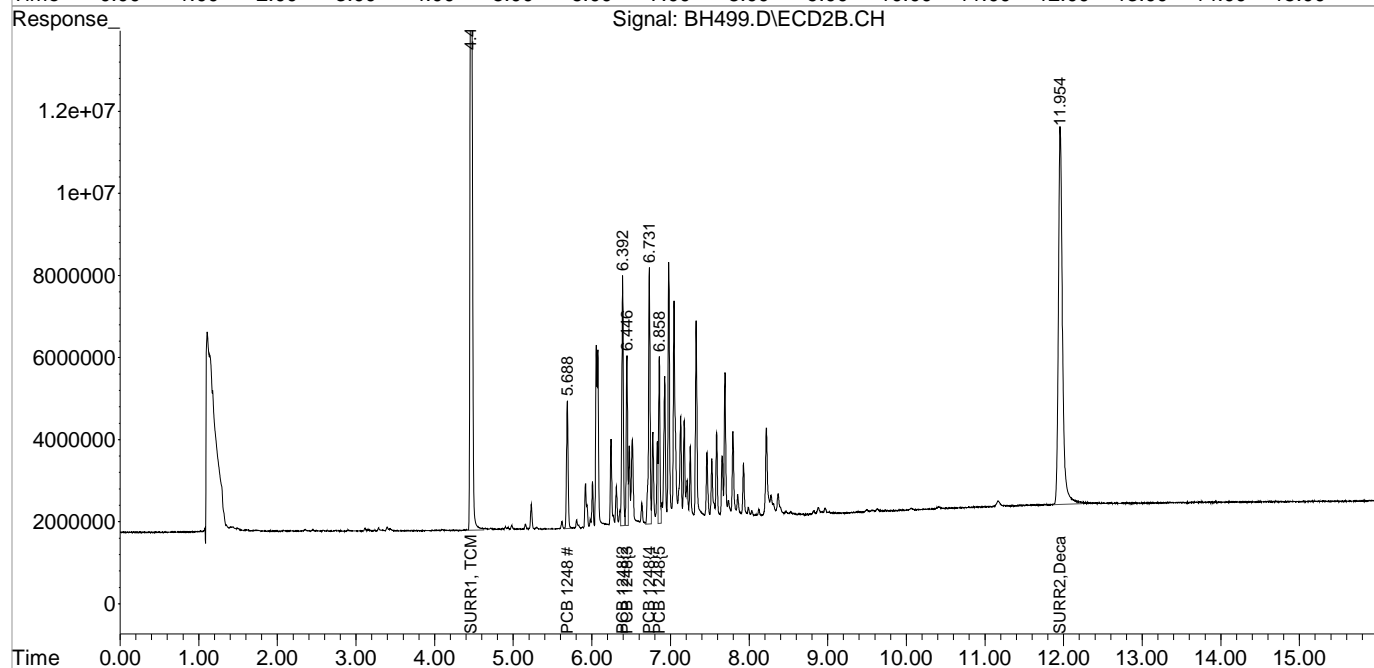
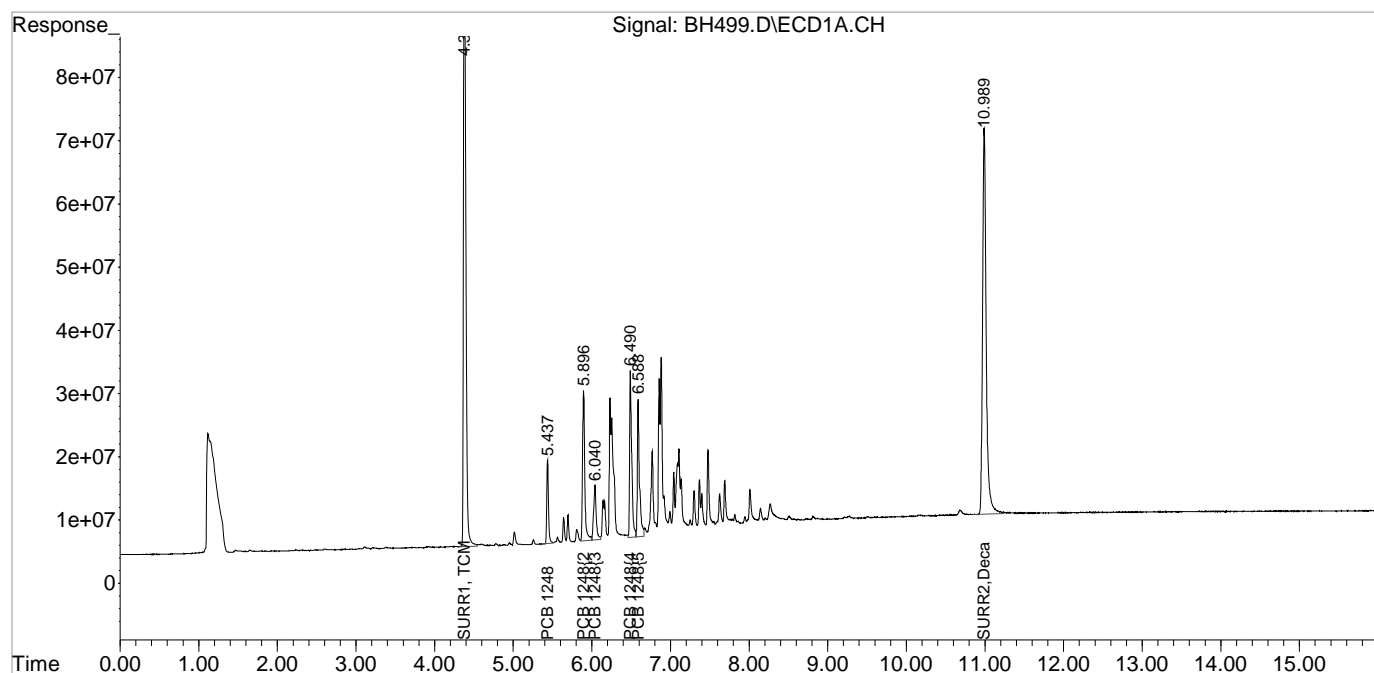
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.689	200.8E6	44499069	215.092	210.450
24) L5c PCB 1248{2}	5.896	6.392	471.2E6	84014784	220.443	216.949
25) L5c PCB 1248{3}	6.041	6.447	198.9E6	50445940	231.470	210.488
26) L5c PCB 1248{4}	6.491	6.732	483.8E6	84888671	229.461	206.203
27) L5c PCB 1248{5}	6.589	6.859	399.6E6	50373216	239.146	218.741
Sum PCB 1248			1754.4E6	314.2E6	1135.612	1062.831
Average PCB 1248					227.122	212.566
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH499.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:26 am
Operator :
Sample : 1248 ML
Misc : INITIAL CAL.
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH498.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:05 am
 Operator :
 Sample : 1248 L
 Misc : INITIAL CAL.
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

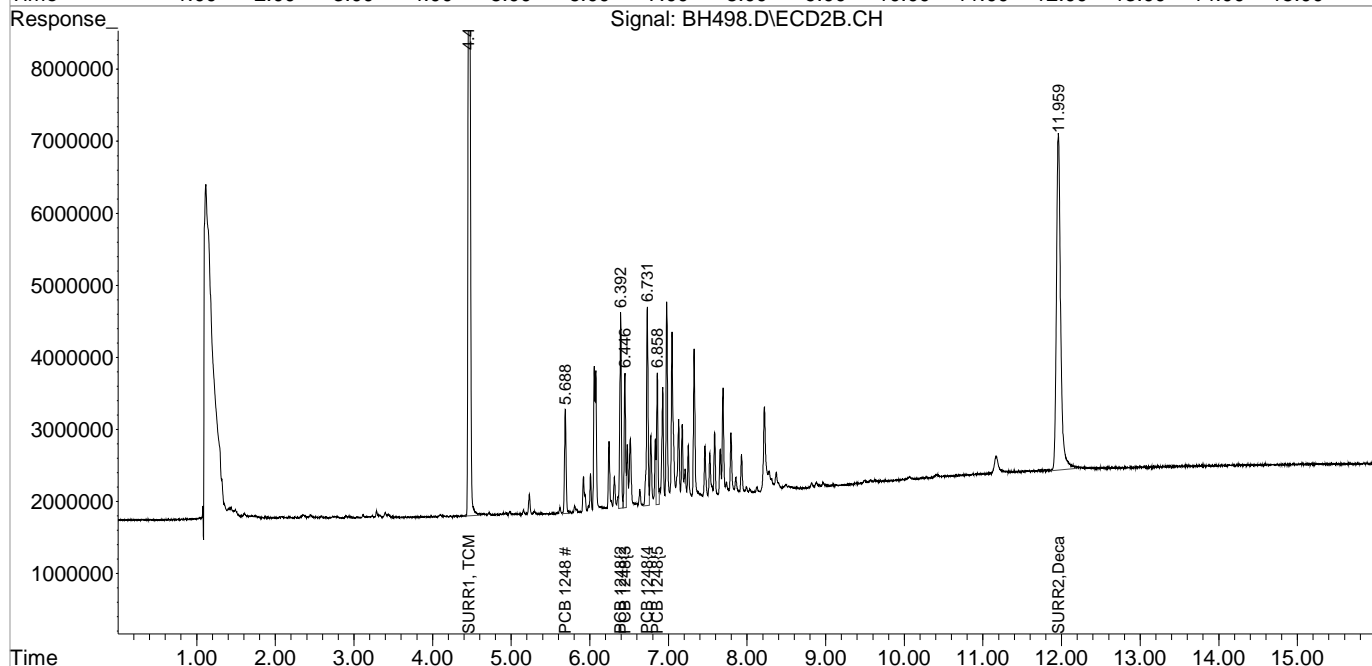
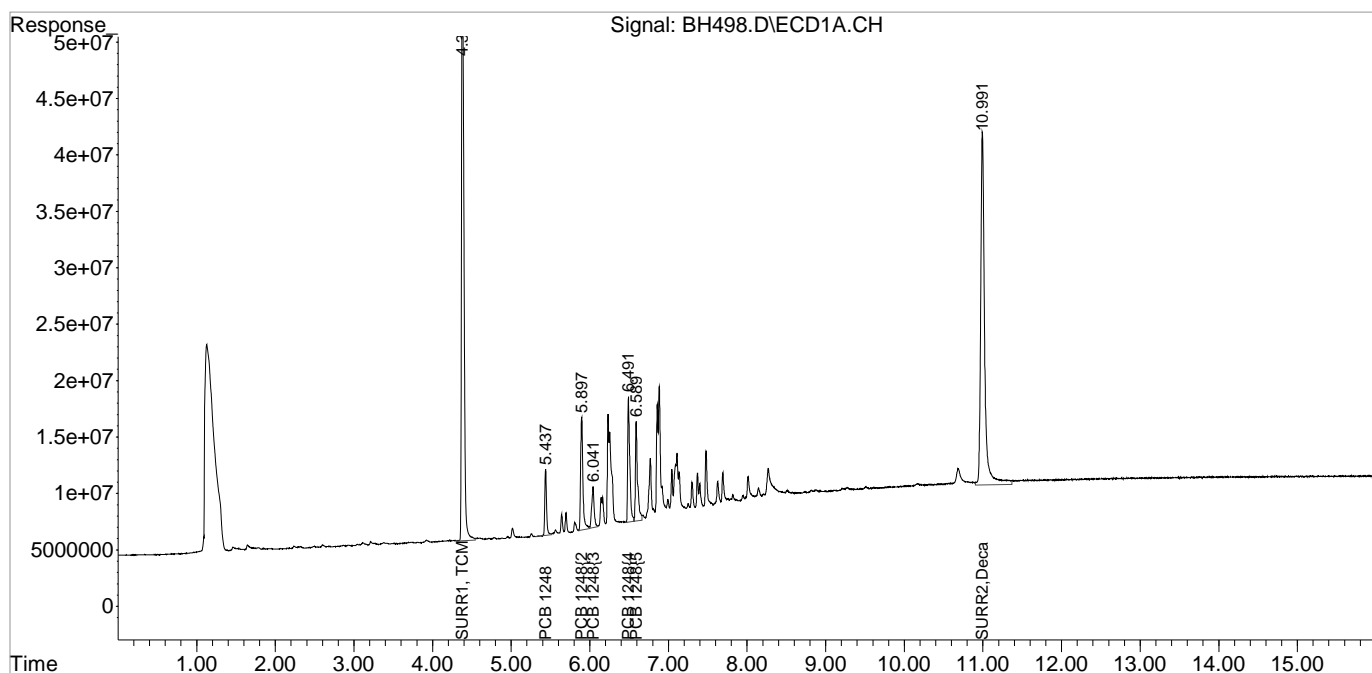
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.462	1144.4E6	236.4E6	19.186	18.492
Spiked Amount	100.000	Range	30 - 150	Recovery	=	19.19%# 18.49%#
2) S SURR2, Dec...	10.992	11.959	1096.7E6	173.5E6	19.341	17.606
Spiked Amount	100.000	Range	30 - 150	Recovery	=	19.34%# 17.61%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.438	5.688	91020975	20567265	97.480	97.269
24) L5c PCB 1248{2}	5.897	6.393	201.8E6	37958543	94.386m	98.019
25) L5c PCB 1248{3}	6.041	6.446	77126021	22858960	89.752	95.380
26) L5c PCB 1248{4}	6.491	6.731	202.2E6	37781377	95.912m	91.775
27) L5c PCB 1248{5}	6.590	6.859	164.0E6	21901497	98.125	95.105
Sum PCB 1248			736.1E6	141.1E6	475.654	477.548
Average PCB 1248					95.131	95.510
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH498.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:05 am
Operator :
Sample : 1248 L
Misc : INITIAL CAL.
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:26 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

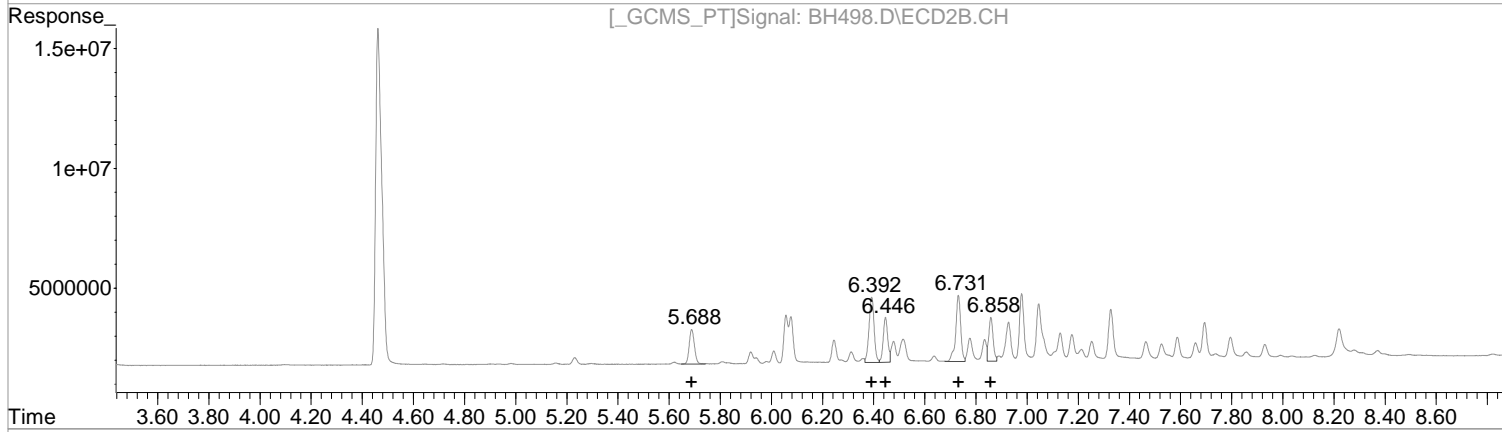
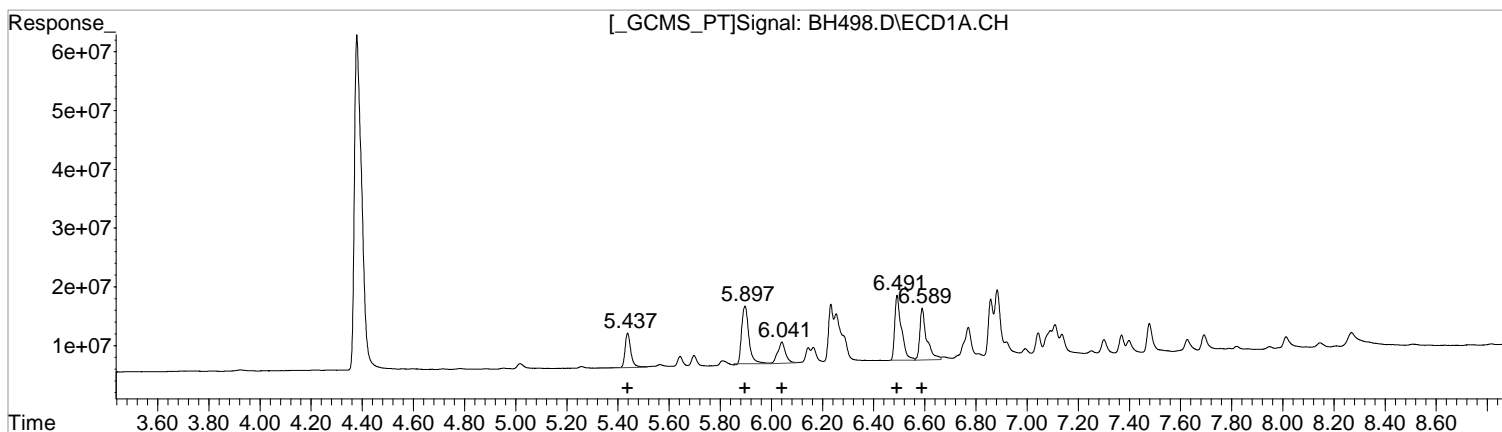
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH498.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:05 am
 Operator :
 Sample : 1248 L
 Misc : INITIAL CAL.
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	91020975	97.48
5.90	201789184	94.40
6.04	77126021	89.75
6.49	201689827	95.66
6.59	163970580	98.13

Manual Integration:
 Before
 04/22/19

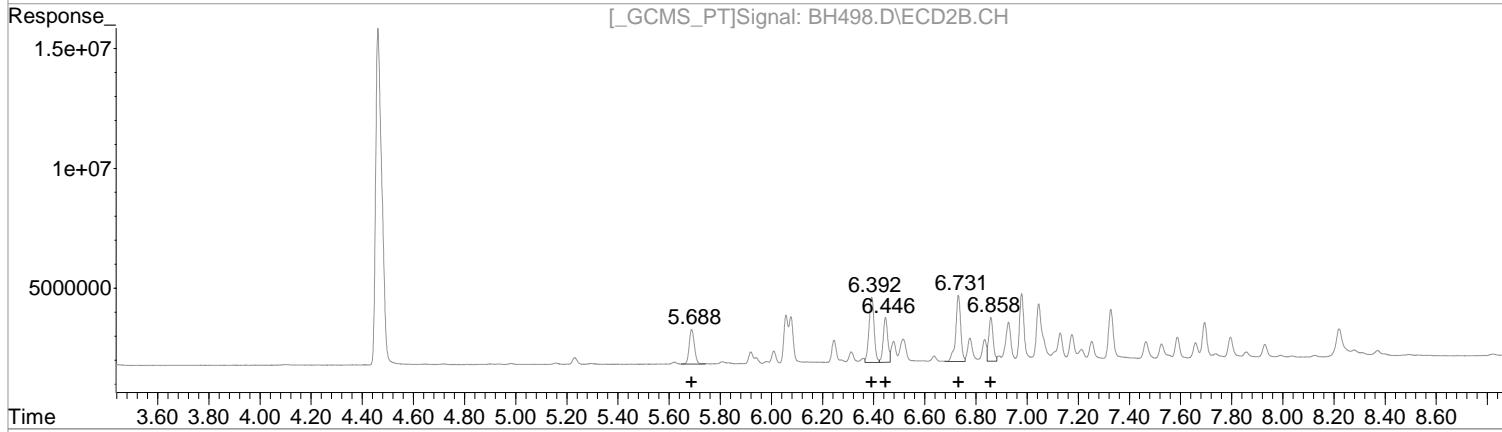
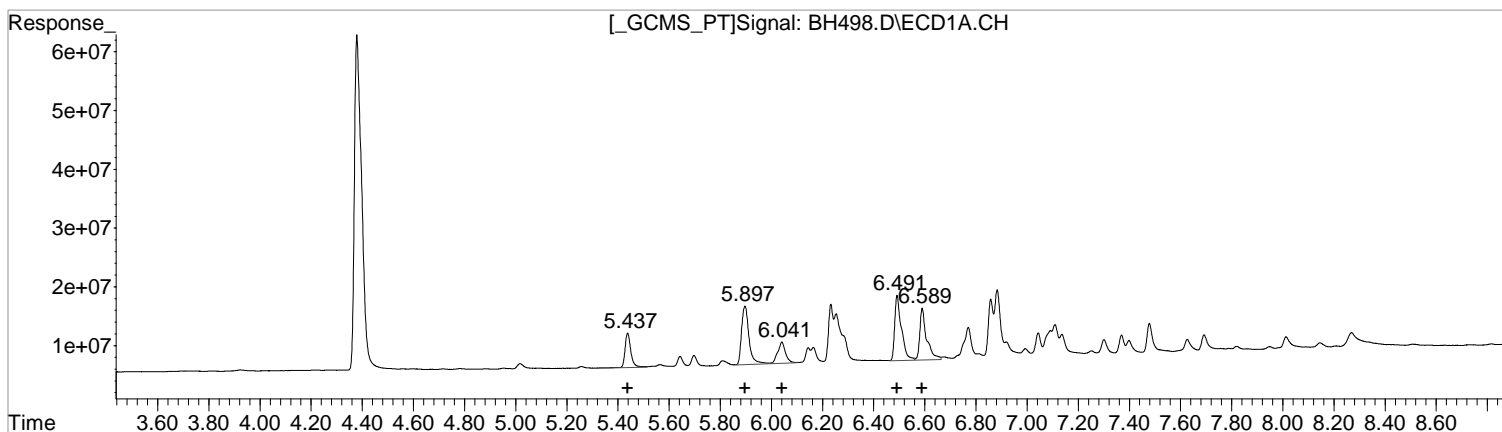
(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	20567265	97.27
6.39	37958543	98.02
6.45	22858960	95.38
6.73	37781377	91.77
6.86	21901497	95.11

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH498.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:05 am
 Operator :
 Sample : 1248 L
 Misc : INITIAL CAL.
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	91020975	97.48
5.90	201768085	94.39
6.04	77126021	89.75
6.49	202230149	95.91
6.59	163970580	98.13

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	20567265	97.27
6.39	37958543	98.02
6.45	22858960	95.38
6.73	37781377	91.77
6.86	21901497	95.11

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH497.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:45 am
 Operator :
 Sample : 1248 LL
 Misc : INITIAL CAL.
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

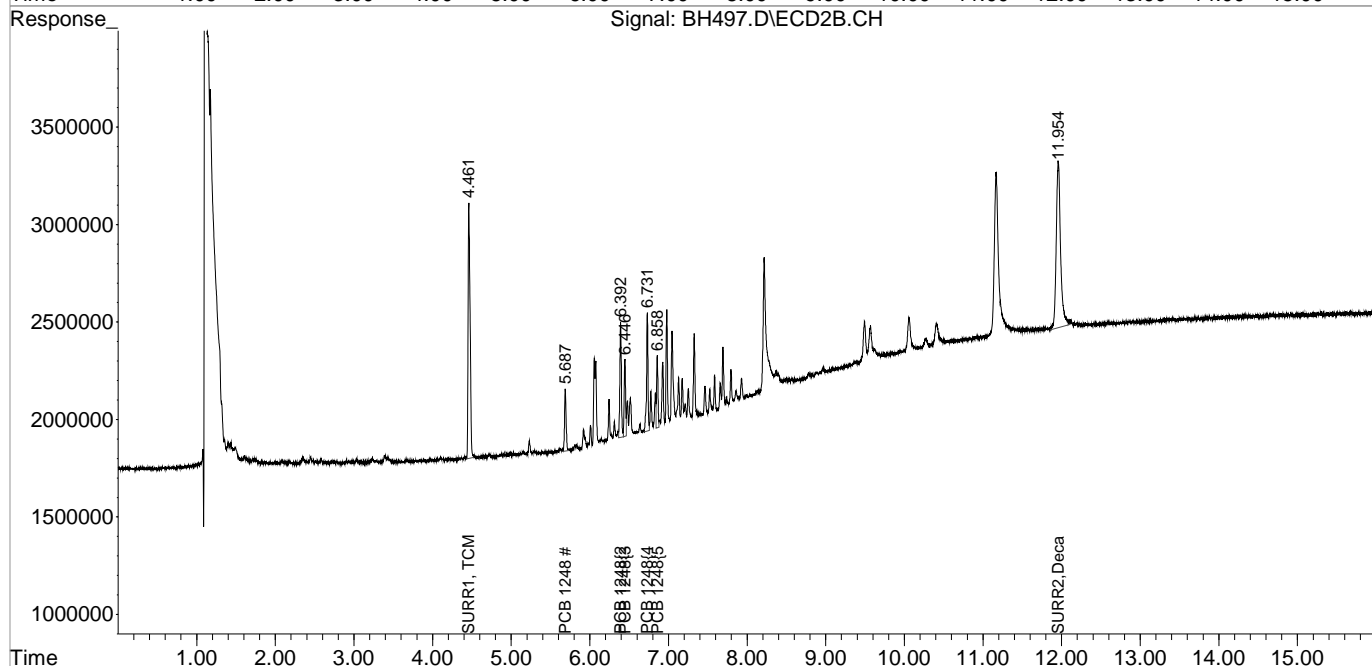
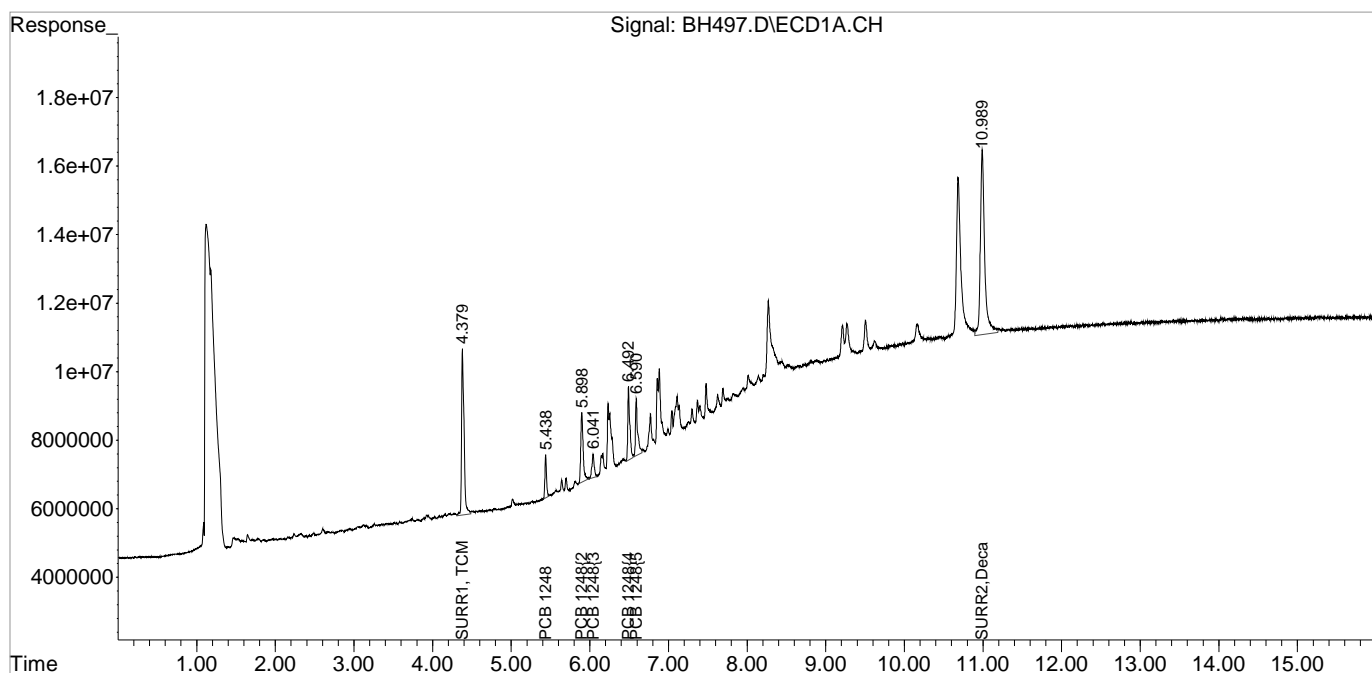
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	106.2E6	22936607	1.780	1.795
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.78%#	1.80%#
2) S SURR2, Dec...	10.989	11.956	205.2E6	32932480	3.618	3.341
Spiked Amount	100.000	Range	30 - 150	Recovery =	3.62%#	3.34%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.438	5.688	18147097	4568480	19.435m	21.606
24) L5c PCB 1248{2}	5.898	6.392	43188038	8104260	20.203m	20.927
25) L5c PCB 1248{3}	6.041	6.446	14013056	4669957	16.307m	19.486
26) L5c PCB 1248{4}	6.492	6.731	38611016	7791059	18.312m	18.925
27) L5c PCB 1248{5}	6.590	6.858	31553011	4381398	18.882m	19.026
Sum PCB 1248			145.5E6	29515154	93.139	99.970
Average PCB 1248					18.628	19.994
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH497.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:45 am
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:23 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

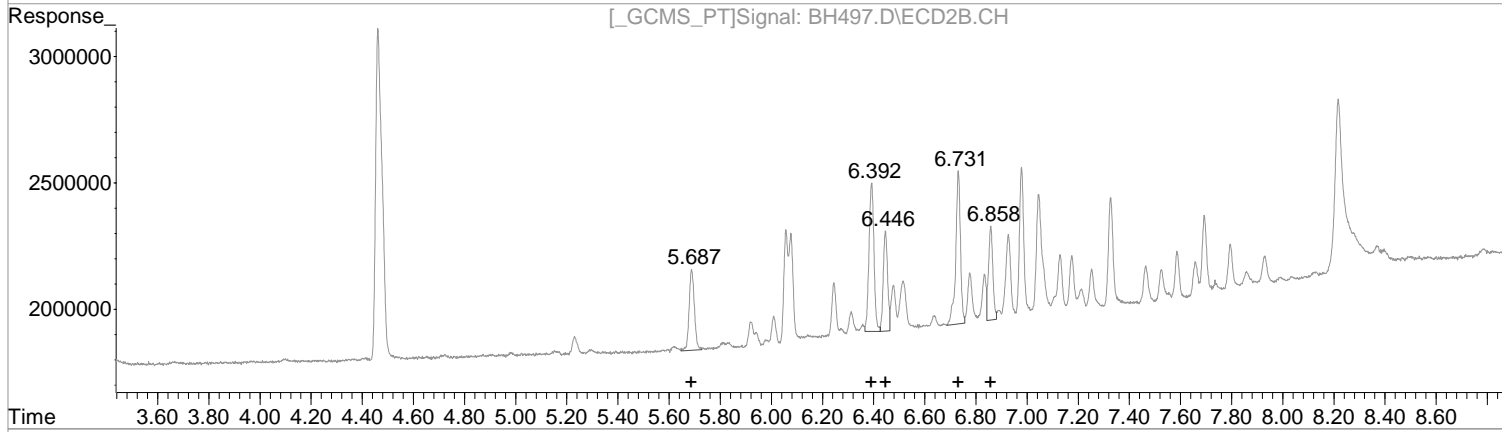
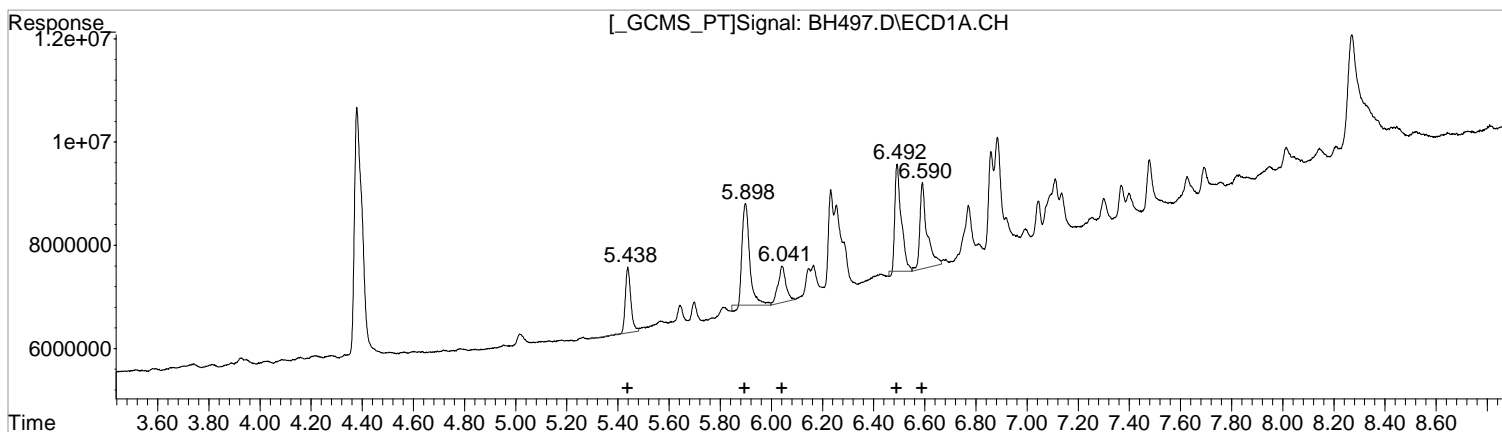
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH497.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:45 am
 Operator :
 Sample : 1248 LL
 Misc : INITIAL CAL.
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.32mm 30m
 Signal #2 Phase : DB-17
 Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	18853521	20.19
5.90	48087345	22.49
6.04	15044731	17.51
6.49	38532751	18.27
6.59	32381004	19.38

(23) PCB 1248 #2 (L5c)

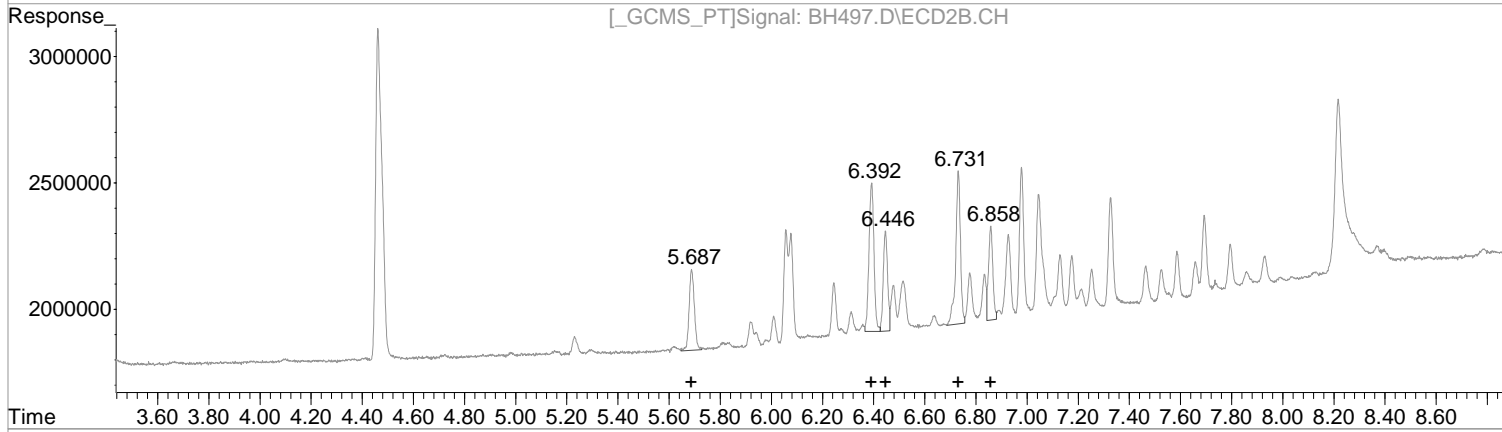
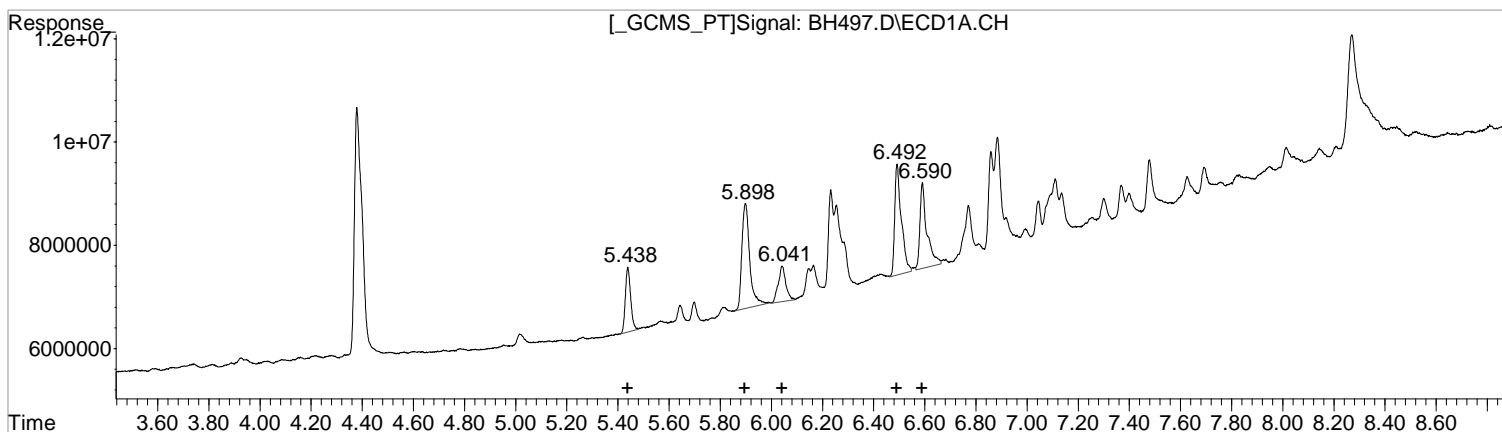
R.T.	Response	Conc
5.69	4568480	21.61
6.39	8104260	20.93
6.45	4669957	19.49
6.73	7791059	18.93
6.86	4381398	19.03

Manual Integration:
 Before
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH497.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:45 am
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:23 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	18147097	19.43
5.90	43188038	20.20
6.04	14013056	16.31
6.49	38611016	18.31
6.59	31553011	18.88

Manual Integration:
After
Poor integration.
04/22/19

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	4568480	21.61
6.39	8104260	20.93
6.45	4669957	19.49
6.73	7791059	18.93
6.86	4381398	19.03

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH496.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:24 am
 Operator :
 Sample : 1242/68 H
 Misc : INITIAL CAL.
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

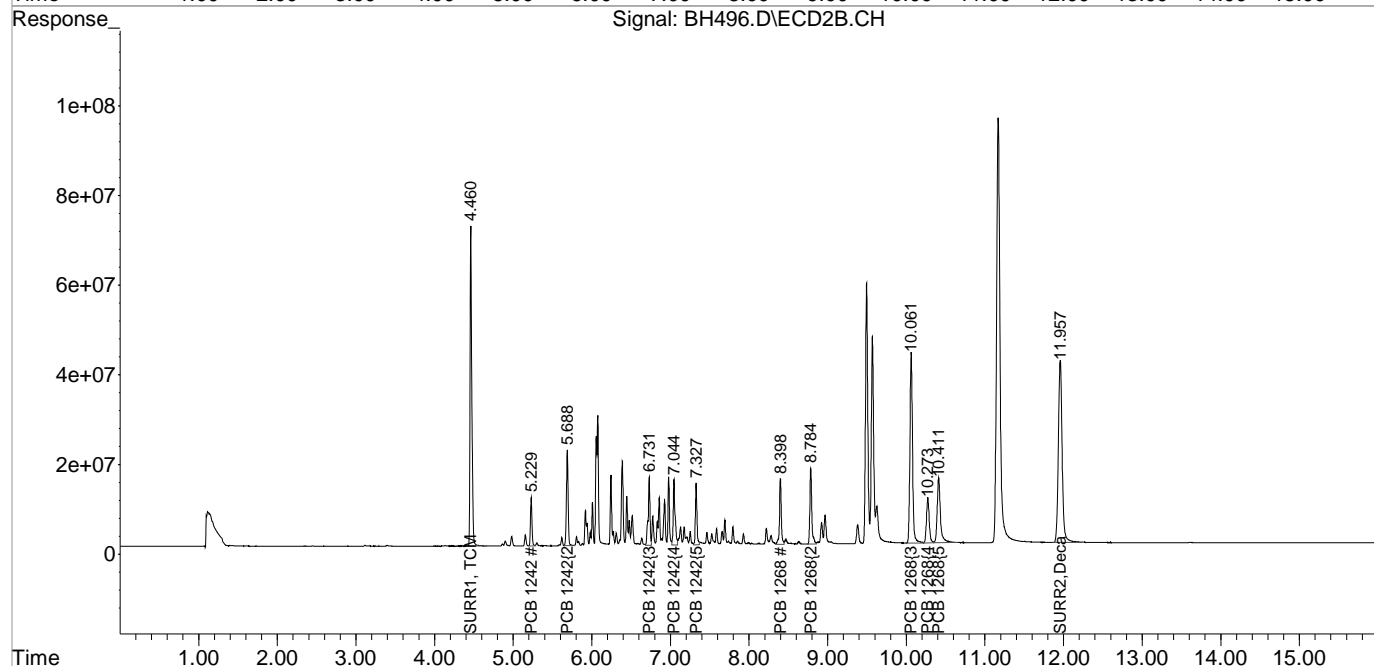
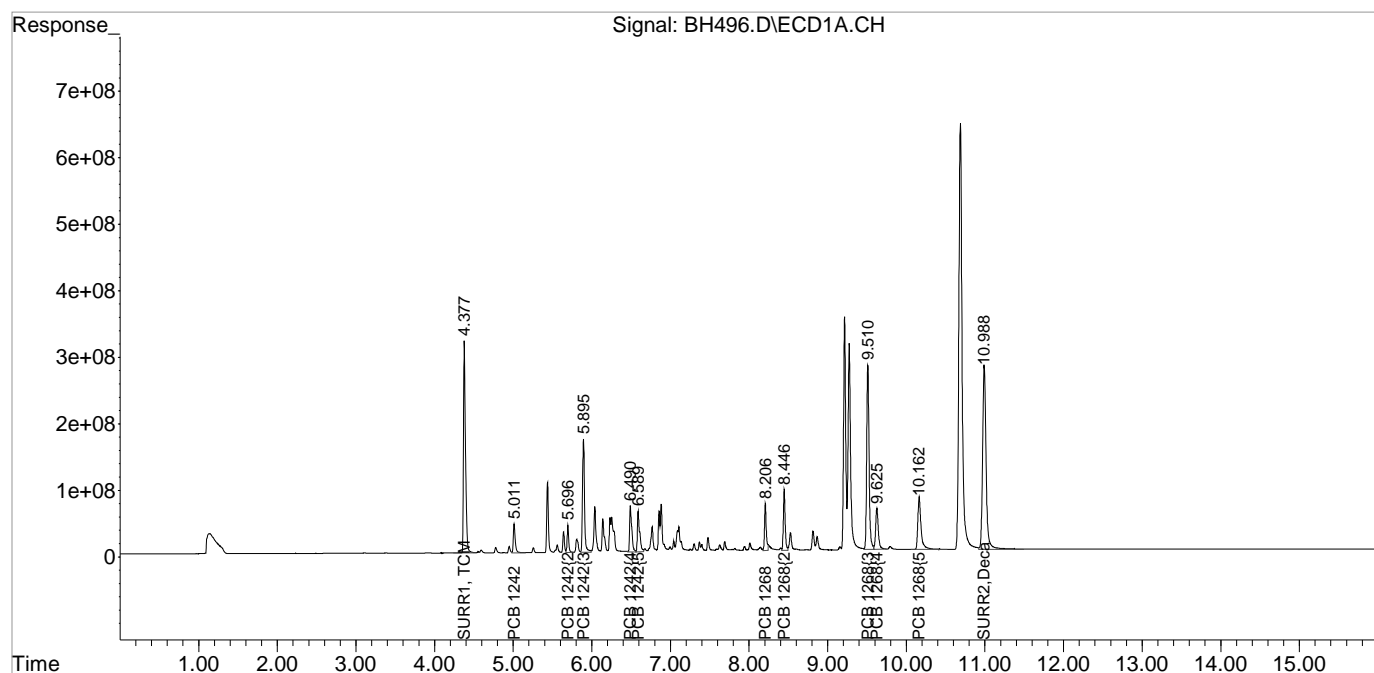
System Monitoring Compounds						
1) S SURR1, TCMX	4.378	4.461	5664.4E6	1110.2E6	94.963	86.860
Spiked Amount	100.000	Range	30 - 150	Recovery	= 94.96%	86.86%
2) S SURR2, Dec...	10.989	11.957	8624.4E6	1374.5E6	152.096	139.440
Spiked Amount	100.000	Range	30 - 150	Recovery	= 152.10%#	139.44%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.012	5.229	735.5E6	142.8E6	901.344	839.423
19) L4c PCB 1242{2}	5.696	5.688	582.6E6	323.8E6	850.451	850.163
20) L4c PCB 1242{3}	5.895	6.731	3034.4E6	240.5E6	953.958	875.131
21) L4c PCB 1242{4}	6.491	7.045	1290.5E6	243.6E6	962.538	932.788
22) L4c PCB 1242{5}	6.590	7.327	1212.2E6	189.7E6	959.534	983.158m
Sum PCB 1242			6855.2E6	1140.3E6	4627.826	4480.662
Average PCB 1242					925.565	896.132
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.206	8.398	1094.8E6	236.0E6	1005.826m	895.331
39) L8C PCB 1268{2}	8.447	8.784	1464.7E6	290.1E6	893.074	788.083
40) L8C PCB 1268{3}	9.510	10.061	5806.9E6	969.7E6	985.668	921.959
41) L8C PCB 1268{4}	9.625	10.273	1453.8E6	244.7E6	798.923	820.049
42) L8C PCB 1268{5}	10.163	10.411	2274.1E6	417.2E6	985.336	850.657
Sum PCB 1268			12094.3E6	2157.8E6	4668.826	4276.078
Average PCB 1268					933.765	855.216
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

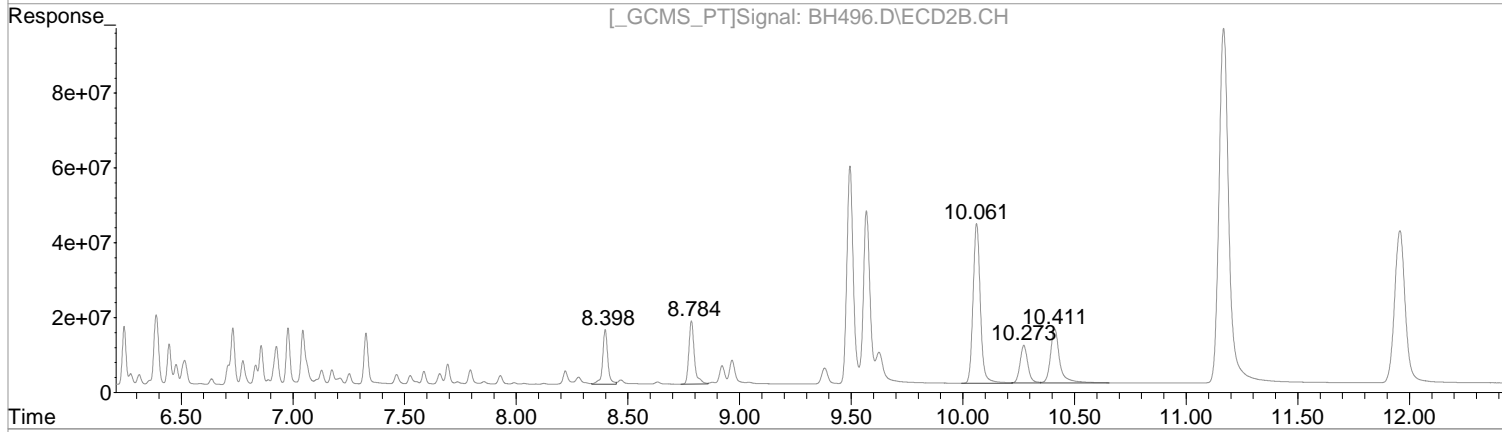
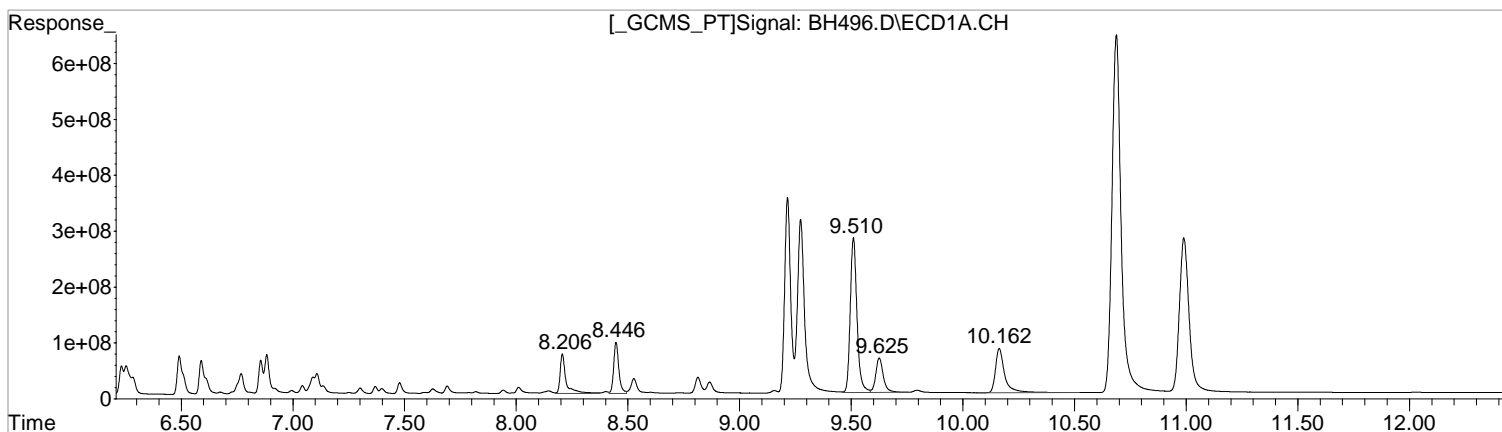
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1345561953	1236.25
8.45	1464736655	893.07
9.51	5806897468	985.67
9.63	1453816454	798.92
10.16	2274121803	985.34

Manual Integration:
Before
04/22/19

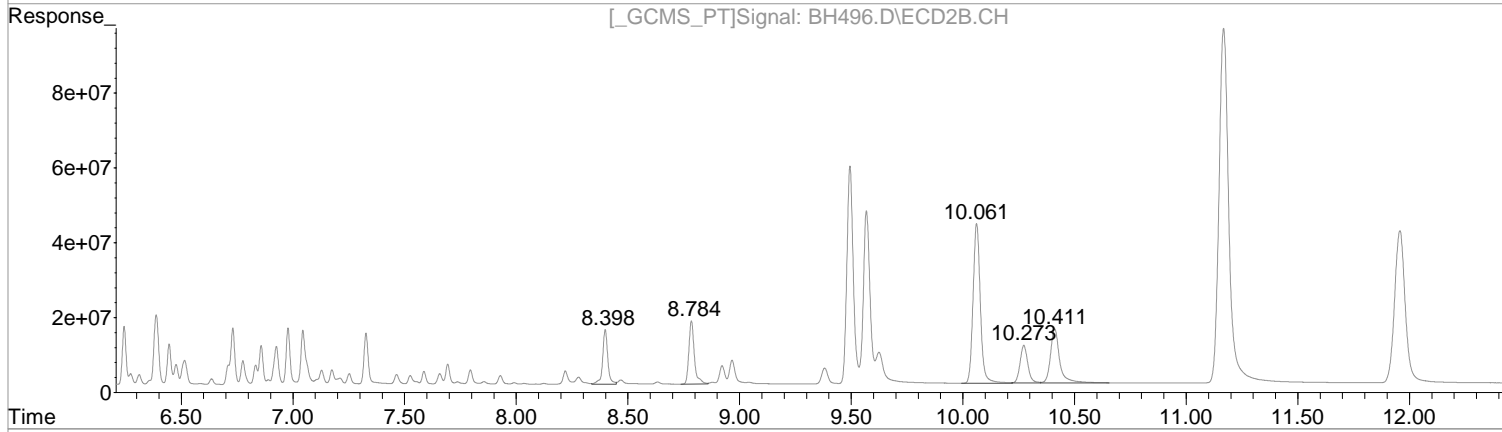
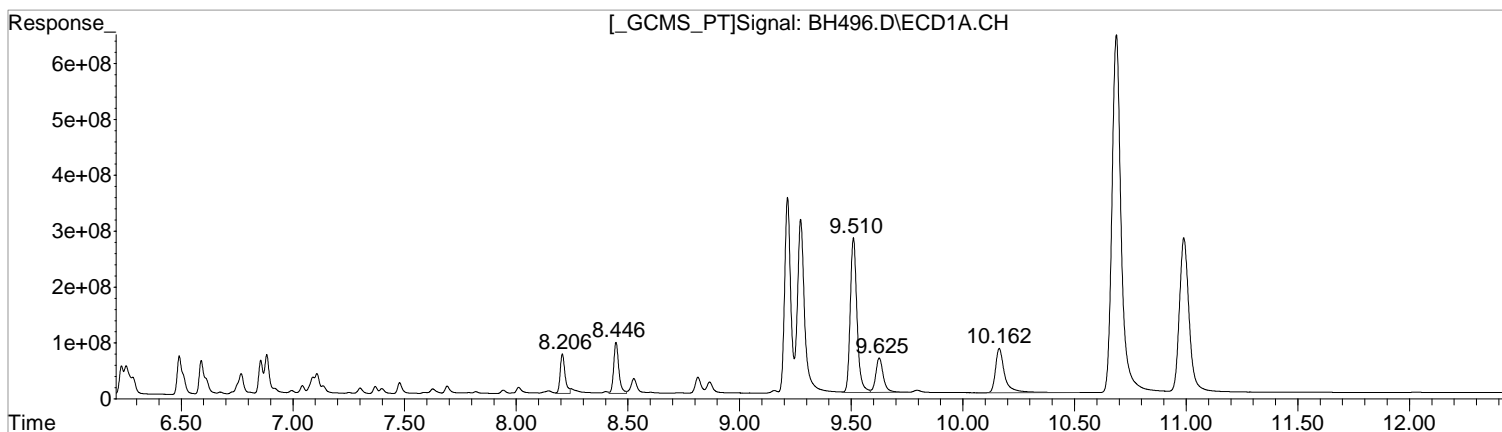
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	235967569	895.33
8.78	290147403	788.08
10.06	969723737	921.96
10.27	244748029	820.05
10.41	417197731	850.66

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1094765883	1005.83
8.45	1464736655	893.07
9.51	5806897468	985.67
9.63	1453816454	798.92
10.16	2274121803	985.34

(38) PCB 1268 #2 (L8C)

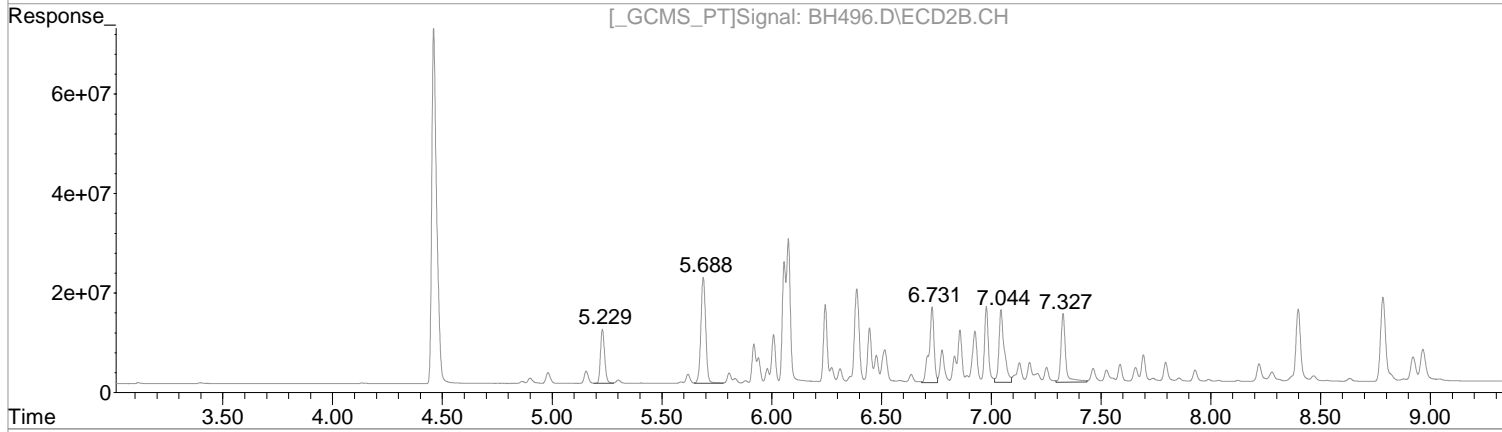
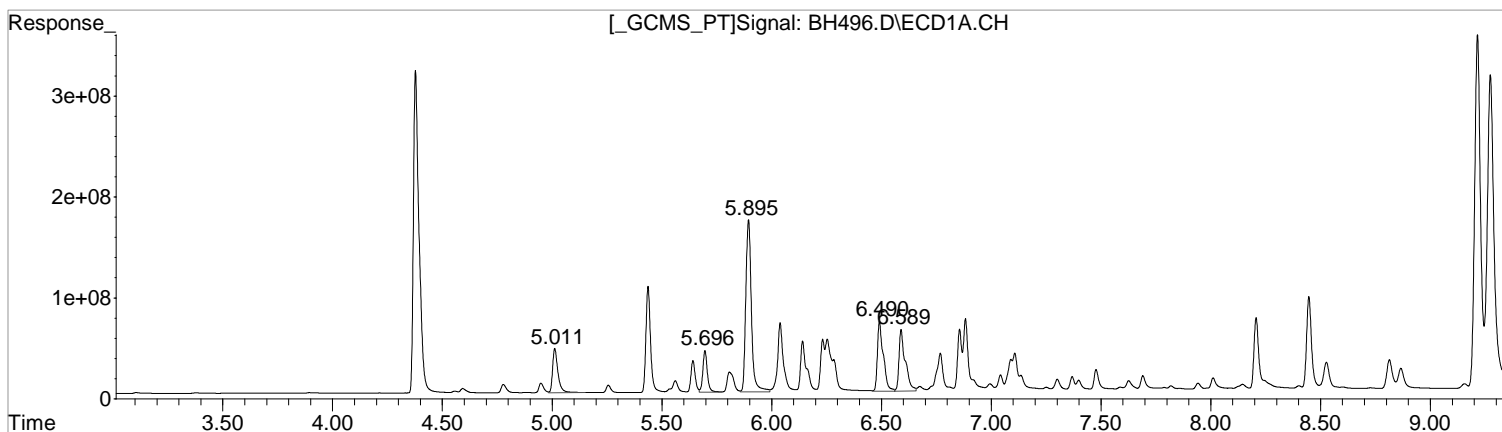
R.T.	Response	Conc
8.40	235967569	895.33
8.78	290147403	788.08
10.06	969723737	921.96
10.27	244748029	820.05
10.41	417197731	850.66

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	735547841	901.34
5.70	582560291	850.45
5.89	3034391348	953.96
6.49	1290477140	962.54
6.59	1212214853	959.53

Manual Integration:
Before
04/22/19

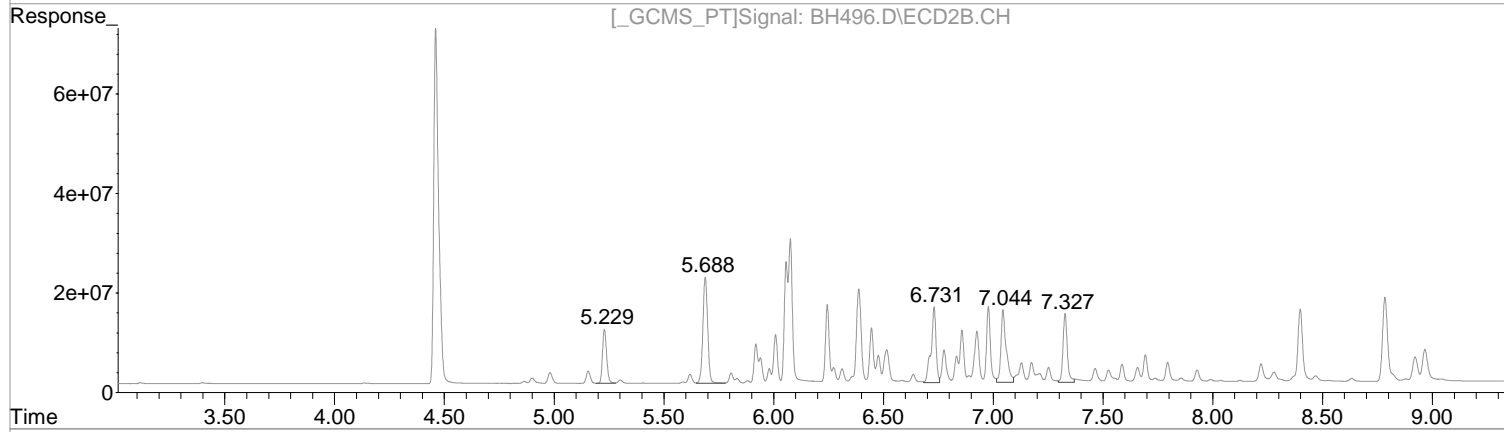
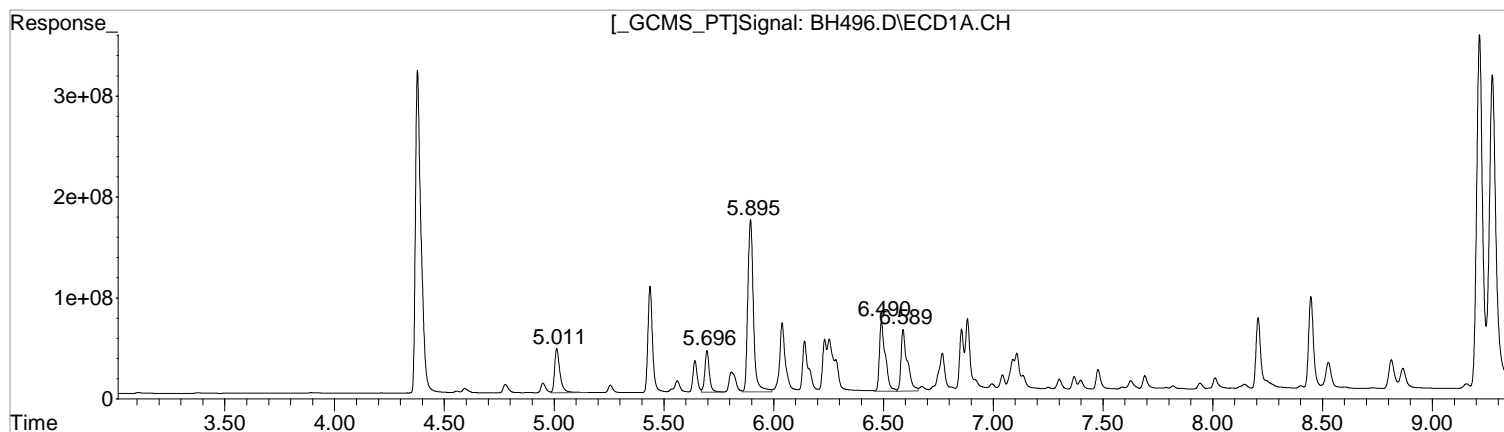
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	142787731	839.42
5.69	323785910	850.16
6.73	240454292	875.13
7.04	243599593	932.79
7.33	207207215	1073.92

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	735547841	901.34
5.70	582560291	850.45
5.89	3034391348	953.96
6.49	1290477140	962.54
6.59	1212214853	959.53

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	142787731	839.42
5.69	323785910	850.16
6.73	240454292	875.13
7.04	243599593	932.79
7.33	189695952	983.16

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH495.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:04 am
 Operator :
 Sample : 1242/68 MH
 Misc : INITIAL CAL.
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.461	4627.5E6	914.7E6	77.579	71.562
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.58%	71.56%
2) S SURR2, Dec...	10.993	11.957	7013.1E6	1149.4E6	123.680	116.609
Spiked Amount	100.000	Range	30 - 150	Recovery	= 123.68%	116.61%

Target Compounds

Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000

Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000

Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000

18) L4c PCB 1242	5.013	5.230	579.3E6	113.3E6	709.938	666.324
19) L4c PCB 1242{2}	5.697	5.688	457.2E6	256.9E6	667.480	674.489
20) L4c PCB 1242{3}	5.895	6.731	2364.9E6	190.7E6	743.478	694.144
21) L4c PCB 1242{4}	6.492	7.045	1008.0E6	193.6E6	751.820	741.397
22) L4c PCB 1242{5}	6.591	7.328	949.9E6	150.7E6	751.926	780.981m
Sum PCB 1242			5359.4E6	905.3E6	3624.642	3557.335
Average PCB 1242					724.928	711.467

Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000

Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000

Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000

38) L8C PCB 1268	8.208	8.399	856.0E6	188.6E6	786.501m	715.613
39) L8C PCB 1268{2}	8.448	8.785	1165.1E6	232.2E6	710.411	630.669
40) L8C PCB 1268{3}	9.511	10.061	4581.8E6	769.7E6	777.715	731.795
41) L8C PCB 1268{4}	9.626	10.274	1149.9E6	194.2E6	631.928	650.528
42) L8C PCB 1268{5}	10.164	10.412	1824.2E6	331.3E6	790.385	675.550
Sum PCB 1268			9577.1E6	1716.0E6	3696.940	3404.155
Average PCB 1268					739.388	680.831

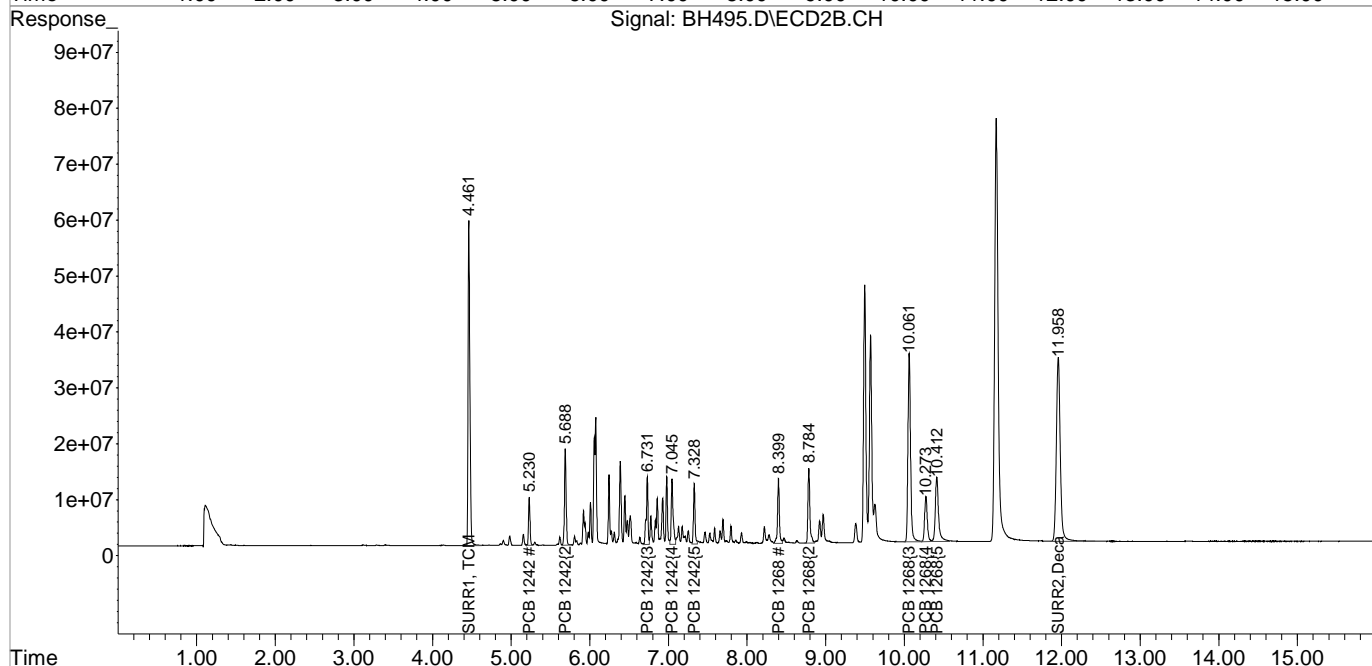
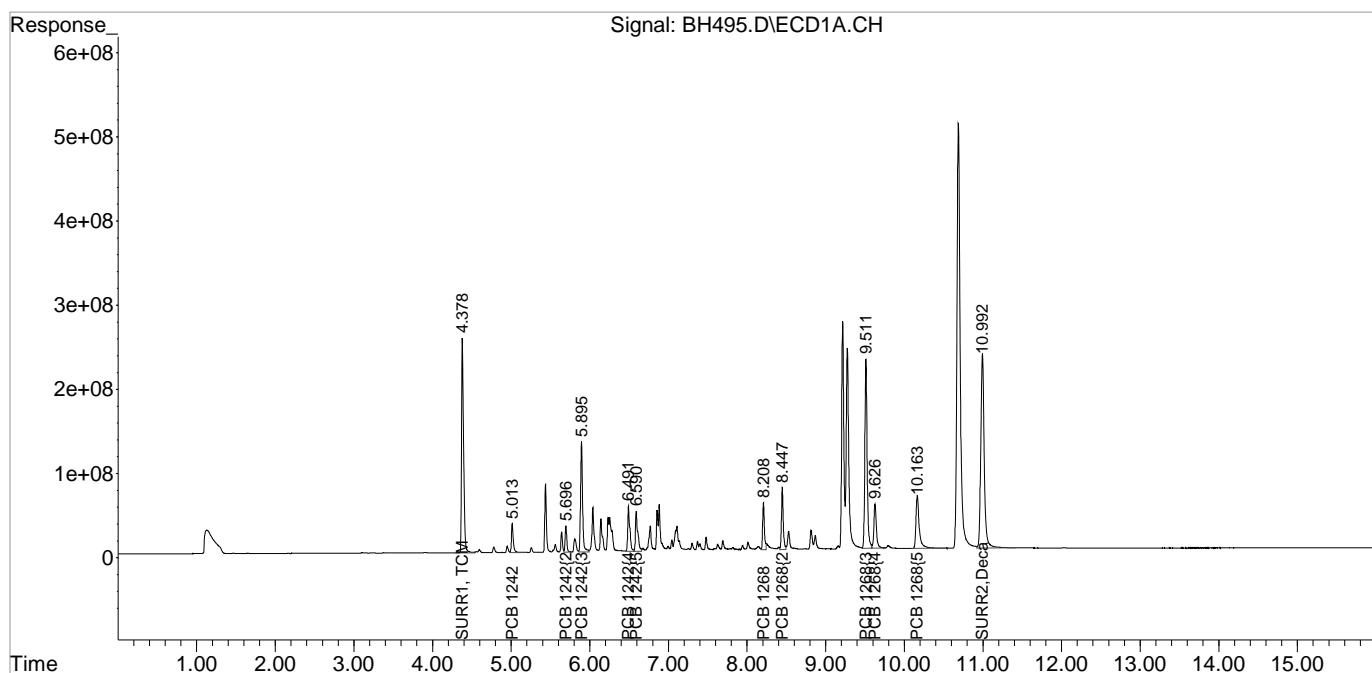
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

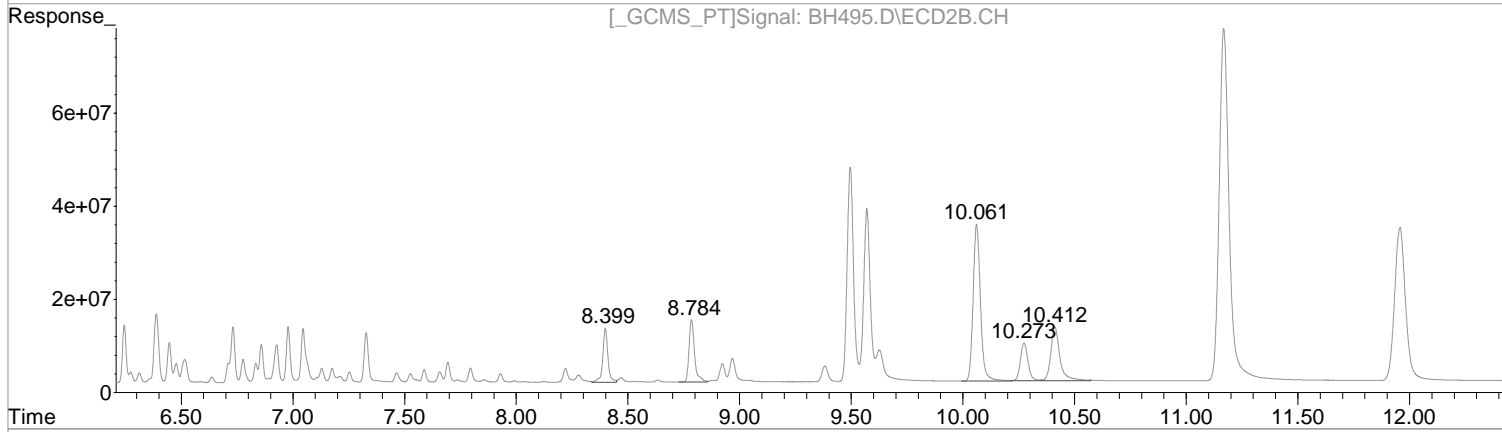
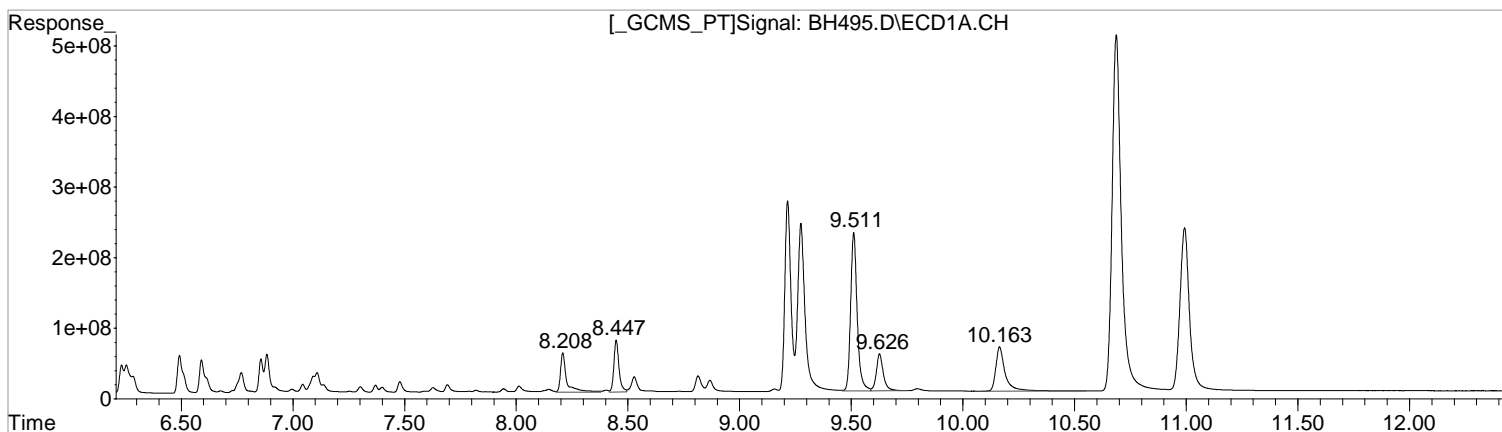
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1097570101	1008.40
8.45	1165149552	710.41
9.51	4581779775	777.72
9.63	1149932157	631.93
10.16	1824183524	790.39

Manual Integration:
Before
04/22/19

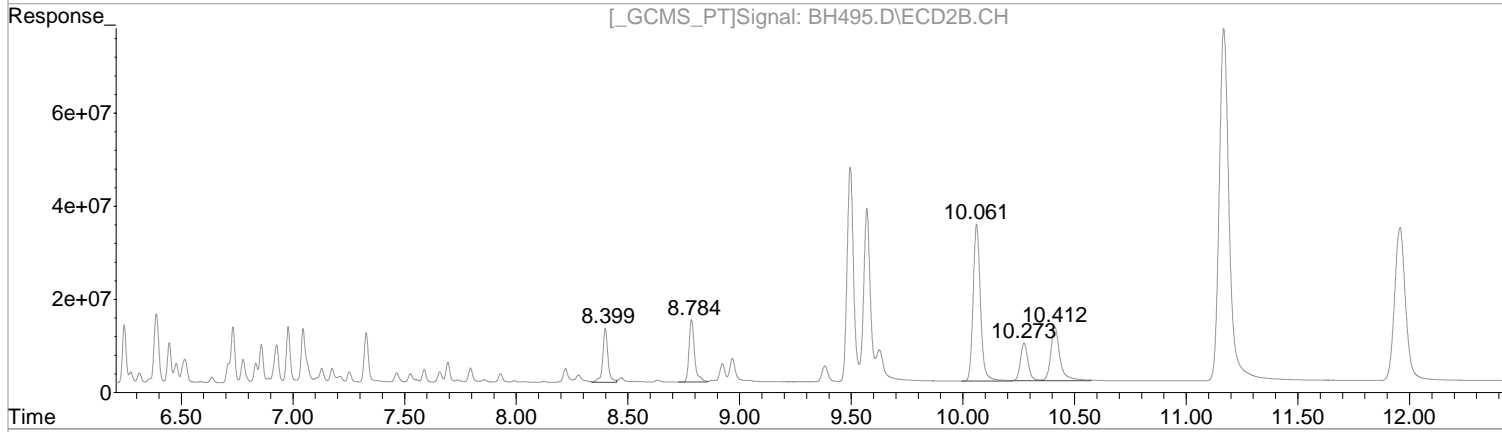
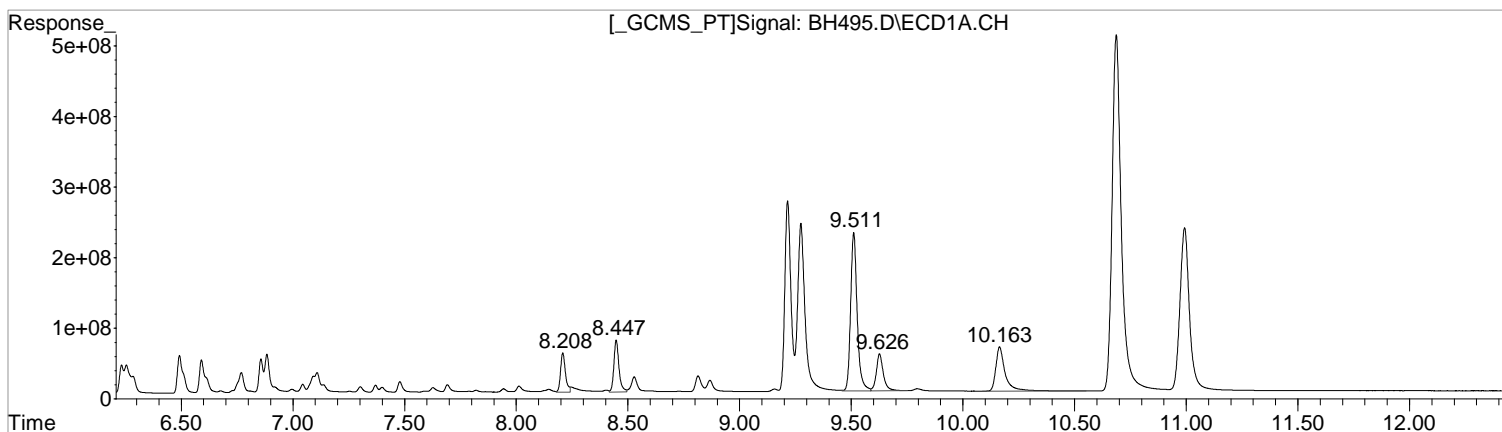
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	188602373	715.61
8.78	232192722	630.67
10.06	769707642	731.79
10.27	194153573	650.53
10.41	331317818	675.55

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	856047117	786.50
8.45	1165149552	710.41
9.51	4581779775	777.72
9.63	1149932157	631.93
10.16	1824183524	790.39

(38) PCB 1268 #2 (L8C)

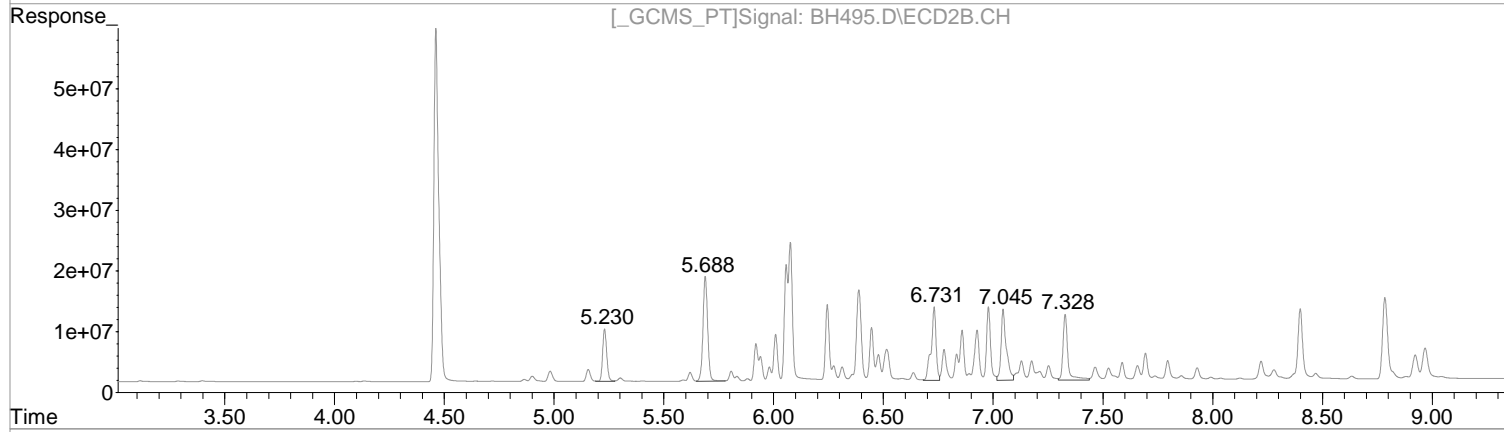
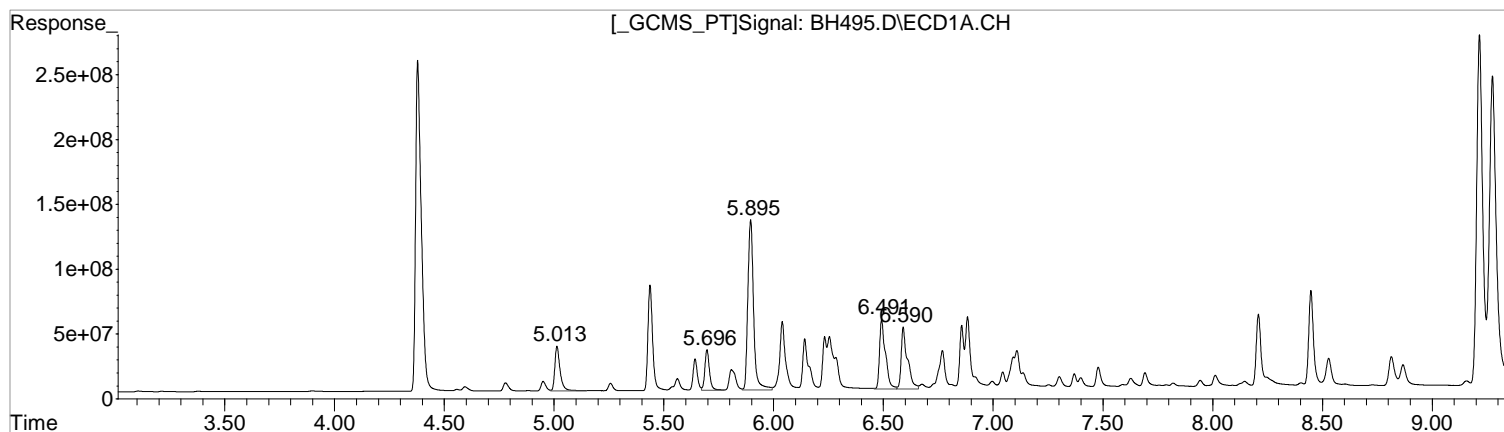
R.T.	Response	Conc
8.40	188602373	715.61
8.78	232192722	630.67
10.06	769707642	731.79
10.27	194153573	650.53
10.41	331317818	675.55

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	579349855	709.94
5.70	457224624	667.48
5.90	2364888513	743.48
6.49	1007966289	751.82
6.59	949934880	751.93

Manual Integration:
Before
04/22/19

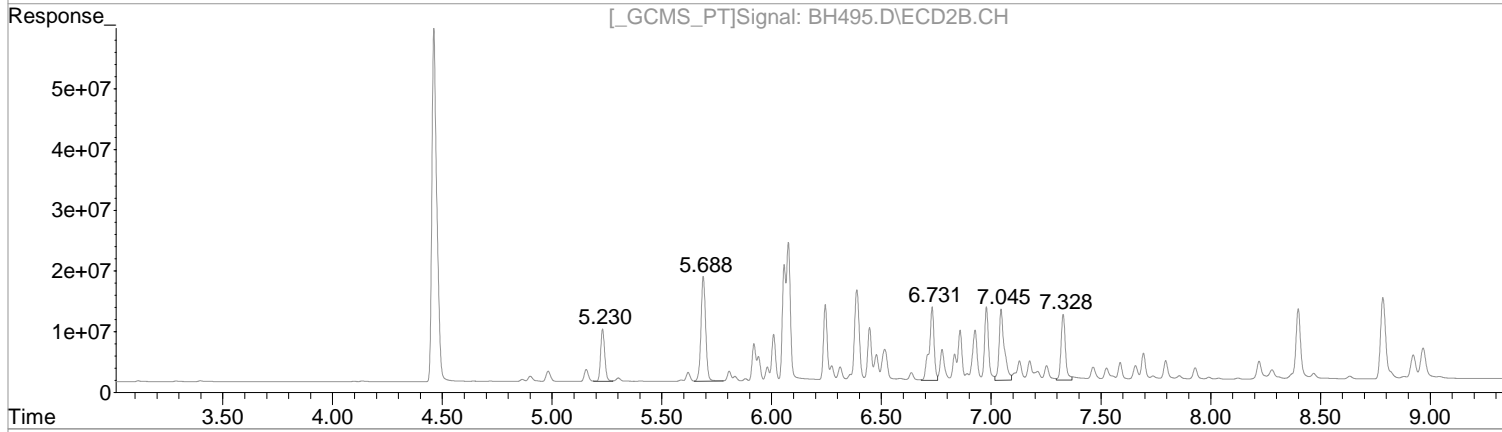
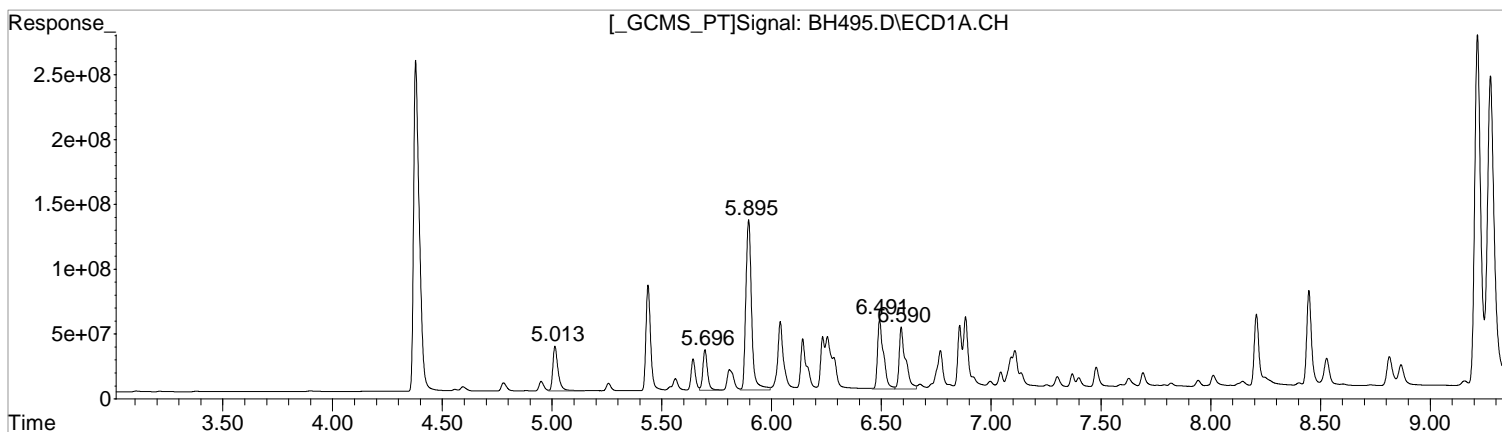
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	113343274	666.32
5.69	256880342	674.49
6.73	190725652	694.14
7.05	193617444	741.40
7.33	165171118	856.05

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	579349855	709.94
5.70	457224624	667.48
5.90	2364888513	743.48
6.49	1007966289	751.82
6.59	949934880	751.93

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	113343274	666.32
5.69	256880342	674.49
6.73	190725652	694.14
7.05	193617444	741.40
7.33	150686741	780.98

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH494.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:44 am
 Operator :
 Sample : 1242/68 M
 Misc : INITIAL CAL.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

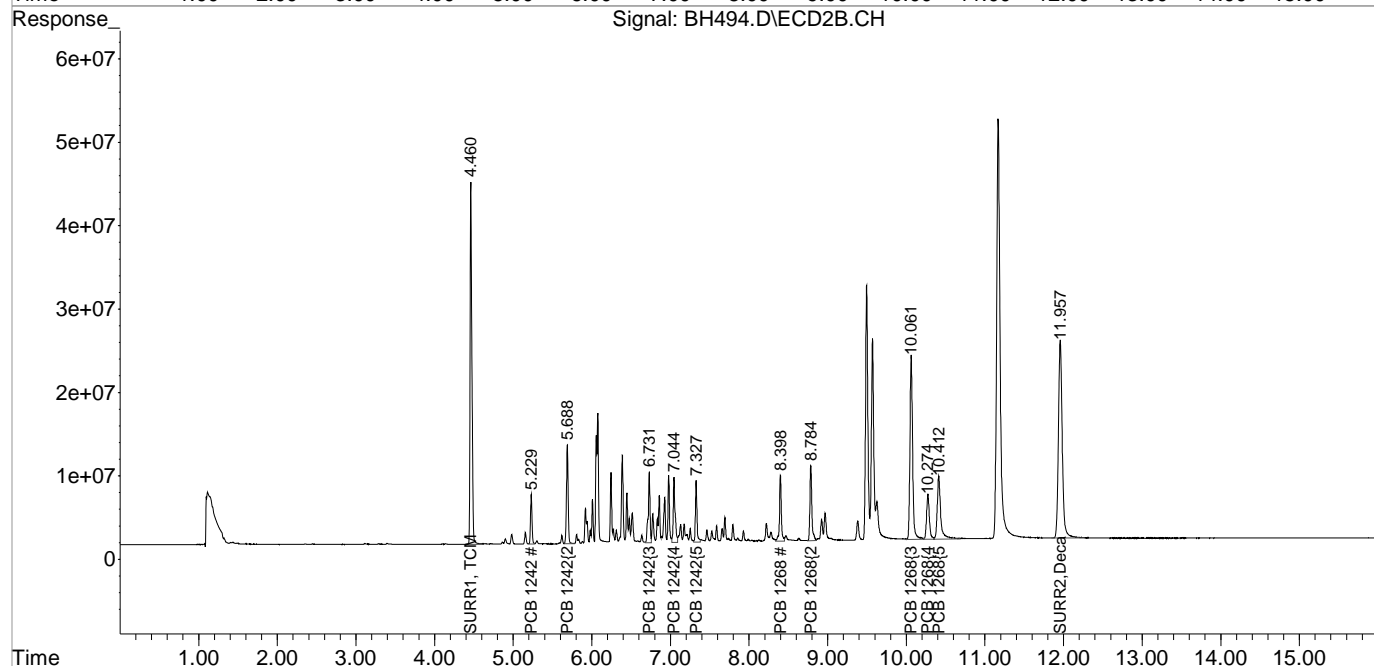
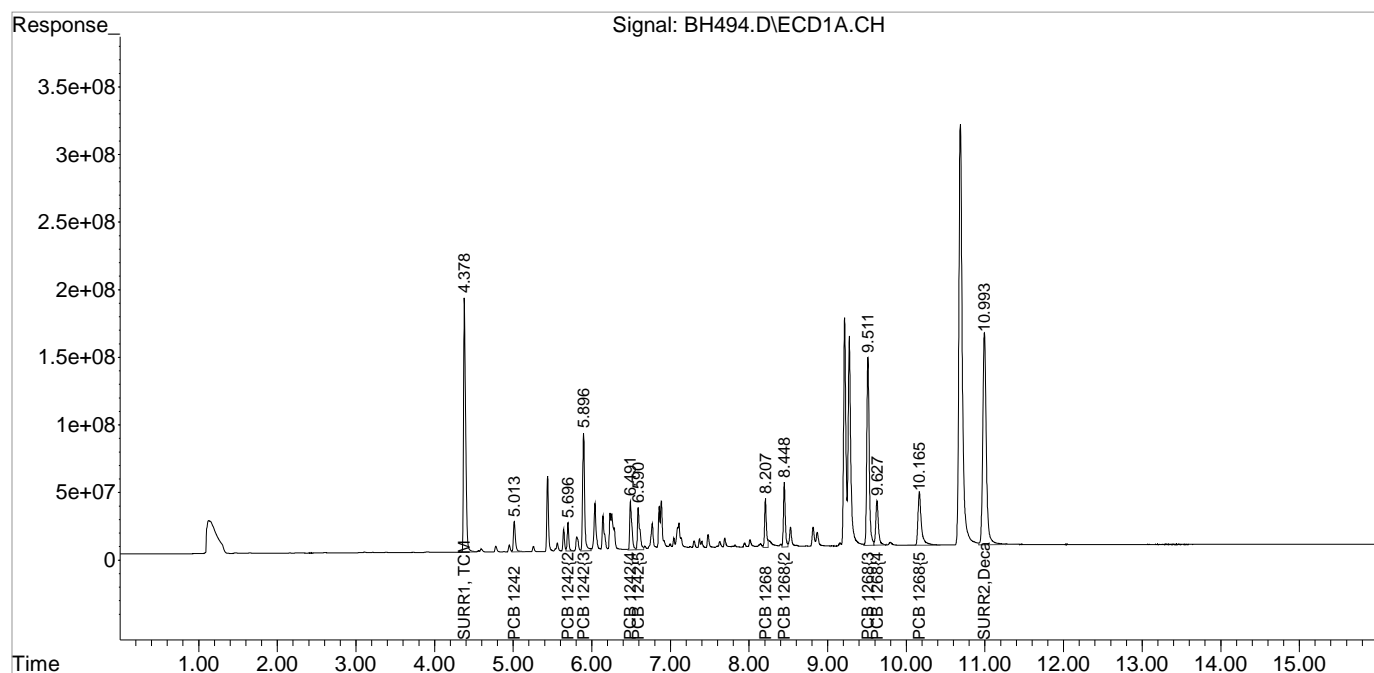
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	3480.9E6	698.3E6	58.358	54.636
Spiked Amount	100.000	Range	30 - 150	Recovery	= 58.36%	54.64%
2) S SURR2, Dec...	10.992	11.957	4912.8E6	804.9E6	86.641	81.656
Spiked Amount	100.000	Range	30 - 150	Recovery	= 86.64%	81.66%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.014	5.230	397.0E6	78975895	486.519	464.285
19) L4c PCB 1242{2}	5.697	5.689	307.7E6	177.8E6	449.173	466.845
20) L4c PCB 1242{3}	5.896	6.731	1569.7E6	129.5E6	493.481	471.305
21) L4c PCB 1242{4}	6.492	7.045	672.6E6	130.9E6	501.668	501.383
22) L4c PCB 1242{5}	6.590	7.327	628.6E6	102.8E6	497.553	532.820m
Sum PCB 1242			3575.6E6	620.0E6	2428.394	2436.638
Average PCB 1242					485.679	487.328
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.207	8.399	574.1E6	127.6E6	527.484m	484.279
39) L8C PCB 1268{2}	8.448	8.785	781.4E6	157.3E6	476.435	427.292
40) L8C PCB 1268{3}	9.511	10.062	2979.4E6	517.3E6	505.731	491.838
41) L8C PCB 1268{4}	9.627	10.274	758.2E6	133.5E6	416.631	447.456
42) L8C PCB 1268{5}	10.165	10.412	1175.3E6	231.4E6	509.247	471.726
Sum PCB 1268			6268.4E6	1167.2E6	2435.528	2322.591
Average PCB 1268					487.106	464.518
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

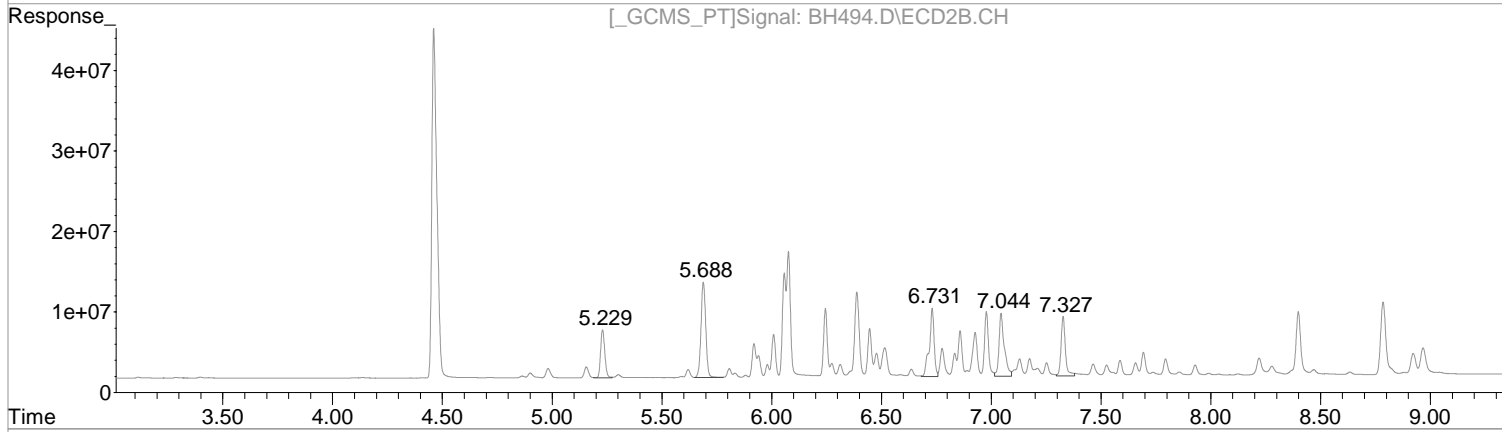
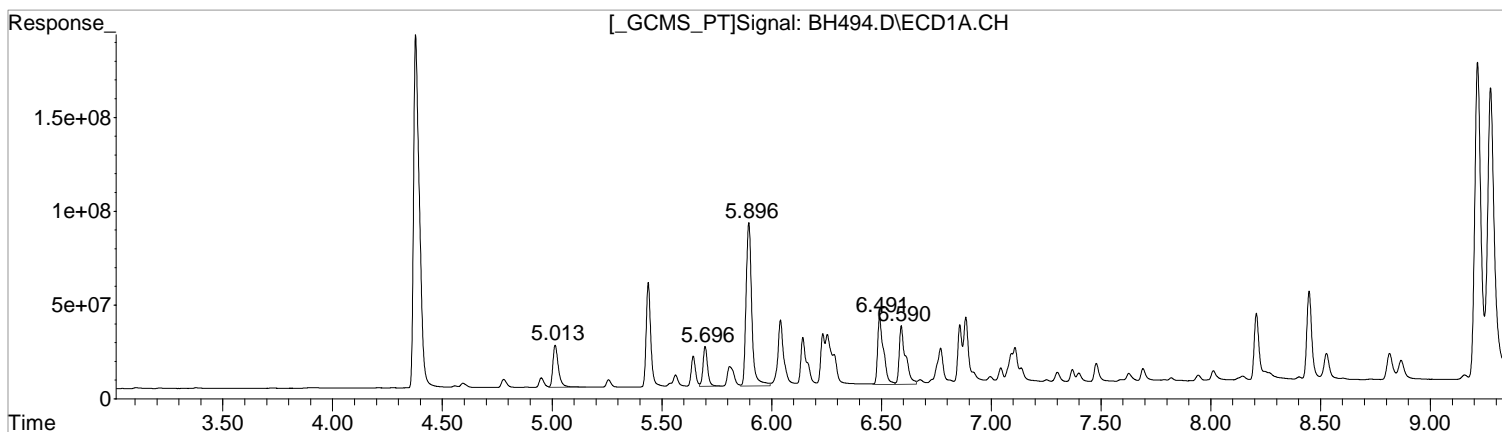
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)		
R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

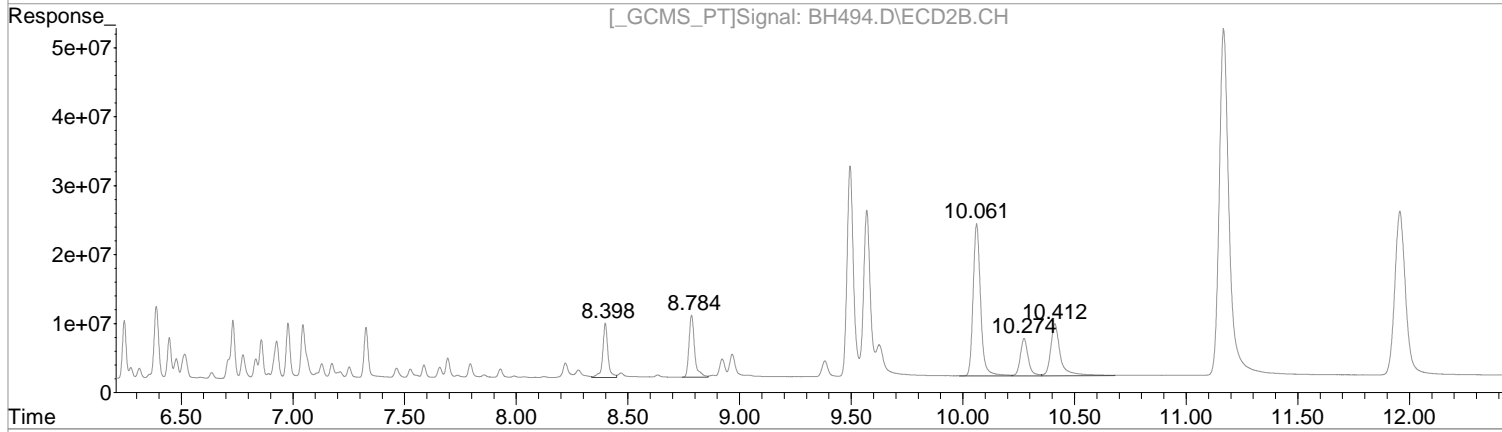
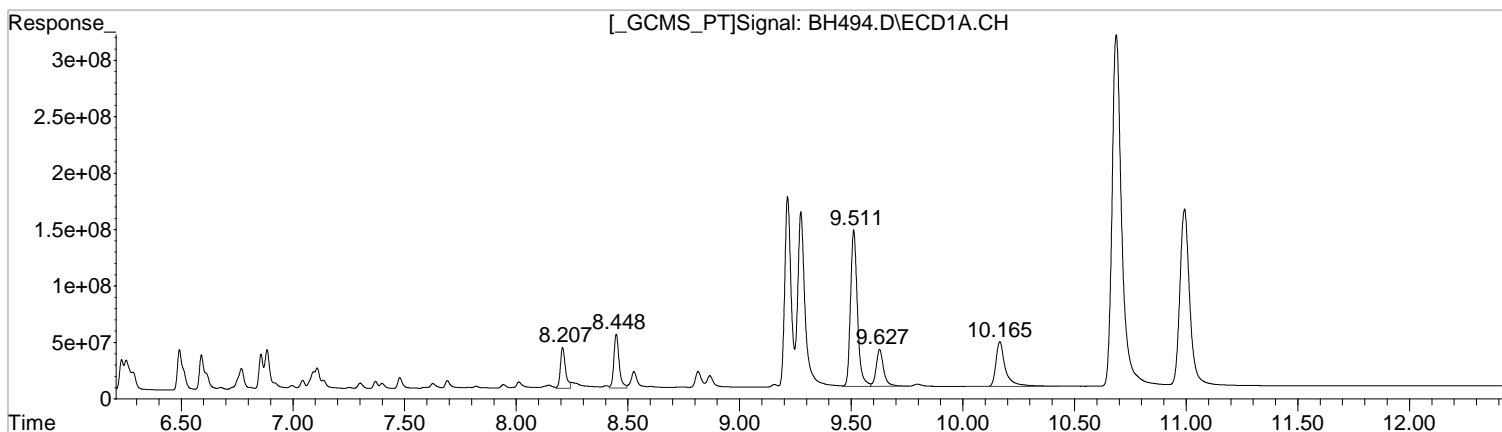
(18) PCB 1242 #2 (L4c)		
R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	102805240	532.82

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	574126962	527.48
8.45	781404058	476.43
9.51	2979431727	505.73
9.63	758152165	416.63
10.17	1175324688	509.25

(38) PCB 1268 #2 (L8C)

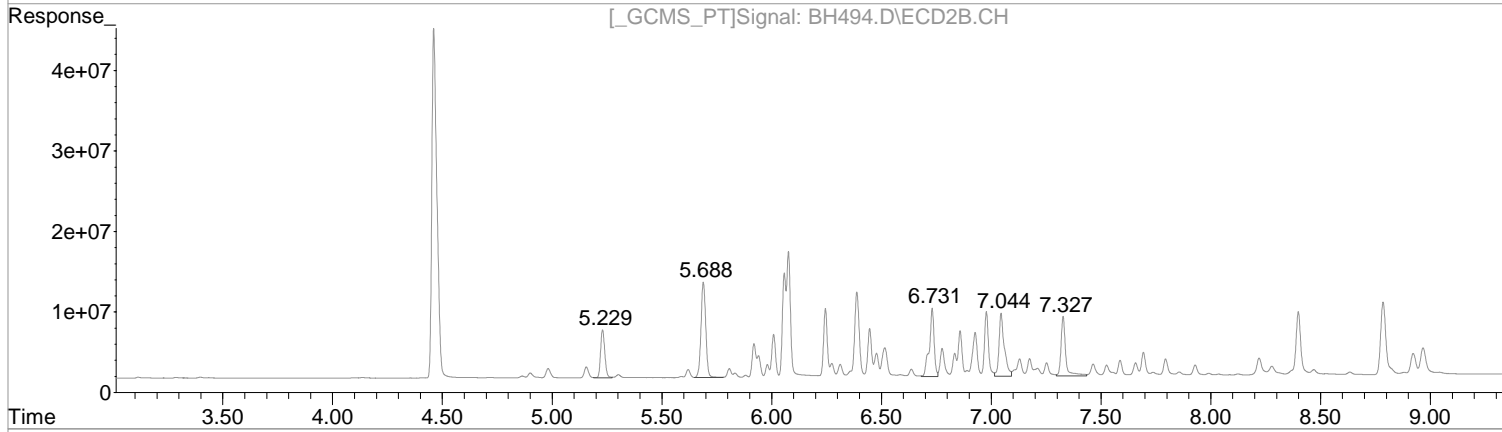
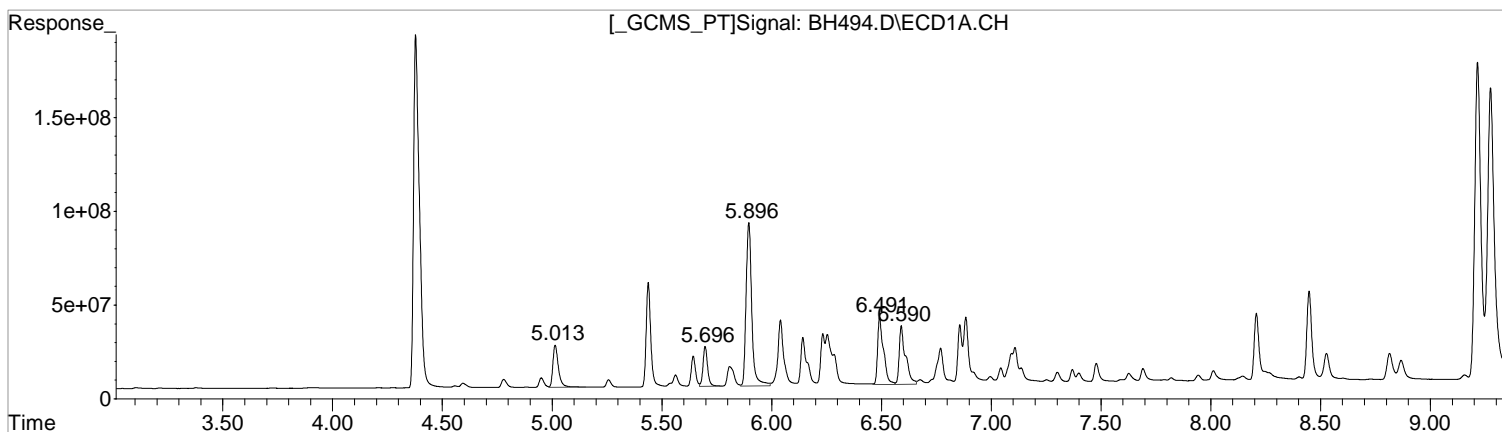
R.T.	Response	Conc
8.40	127633338	484.28
8.78	157315716	427.29
10.06	517319322	491.84
10.27	133545750	447.46
10.41	231354006	471.73

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)		
R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

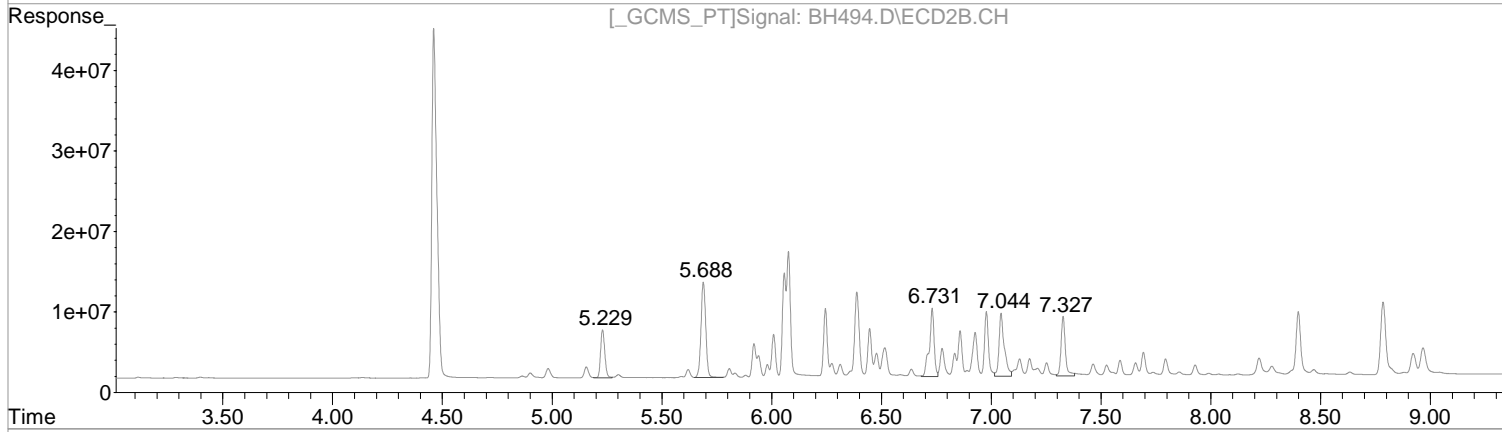
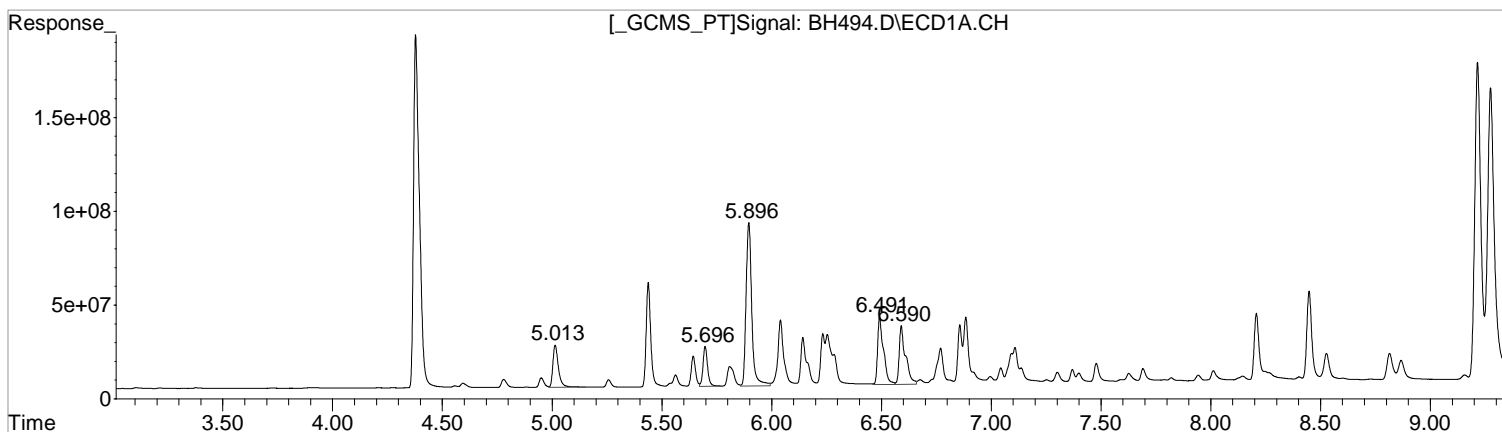
Manual Integration:
Before
04/22/19

(18) PCB 1242 #2 (L4c)		
R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	110066676	570.45

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)		
R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

(18) PCB 1242 #2 (L4c)		
R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	102805240	532.82

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH493.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:23 am
 Operator :
 Sample : 1242/68 ML
 Misc : INITIAL CAL.
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:11 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

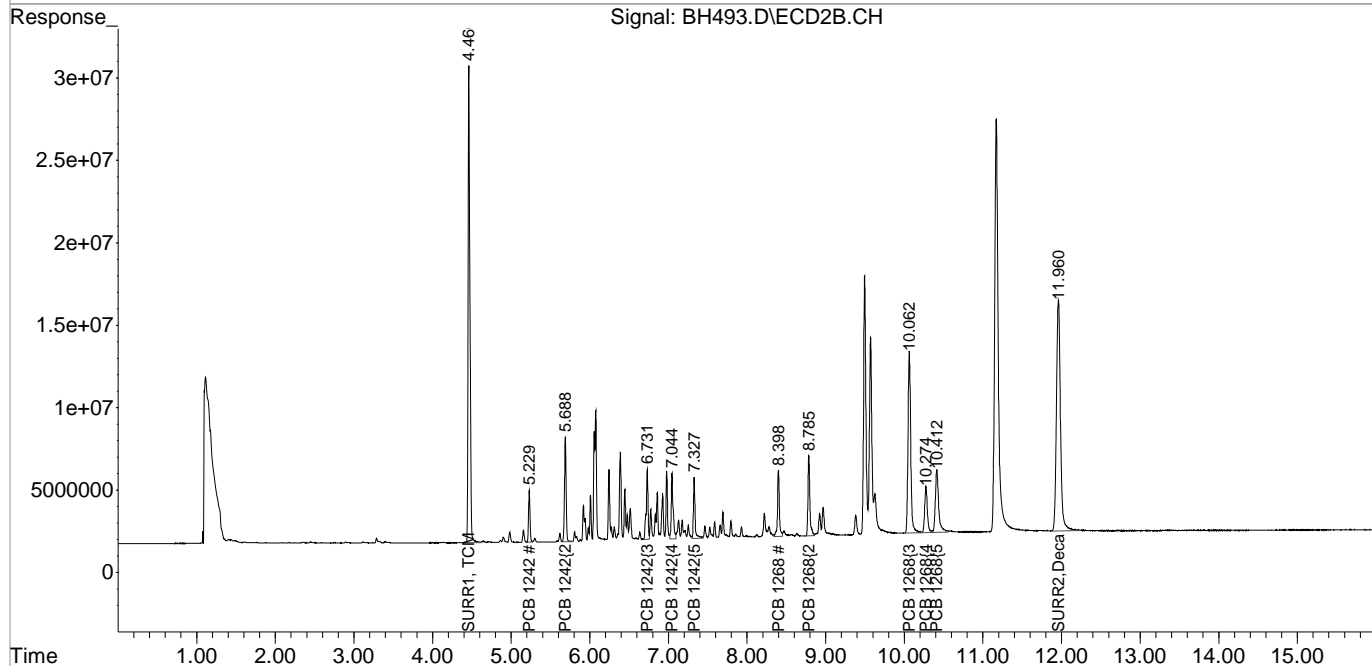
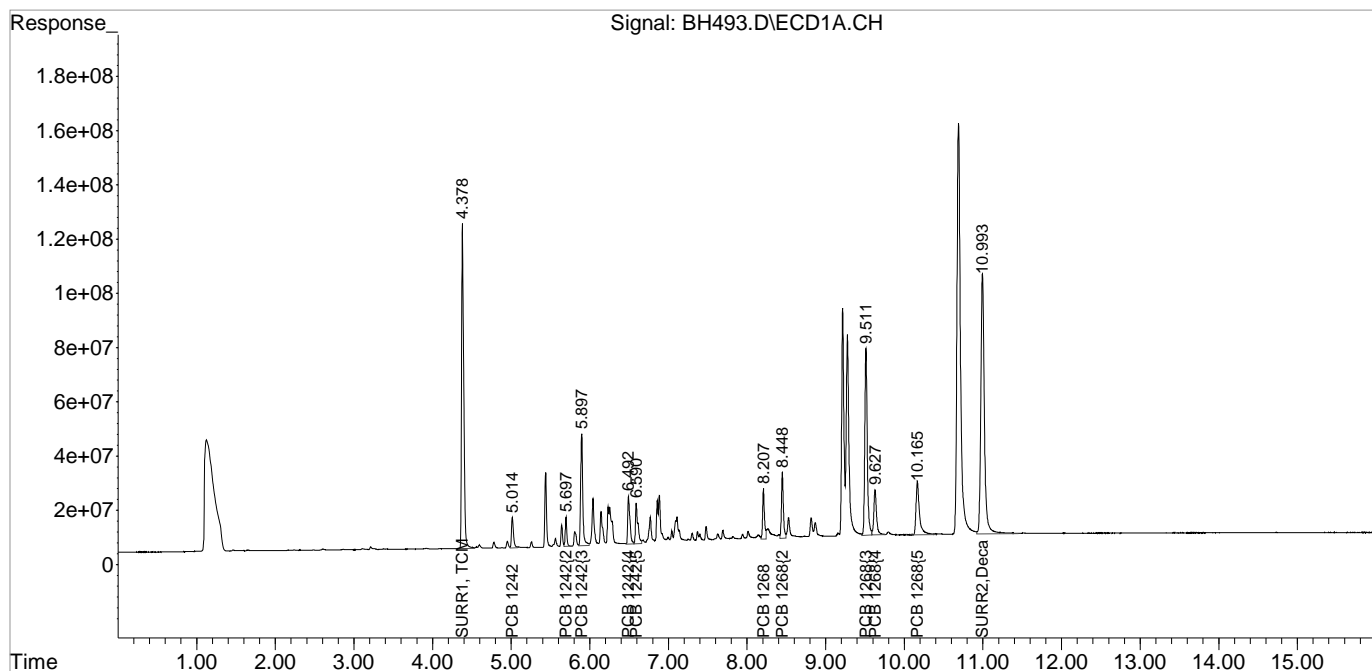
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	2297.6E6	469.7E6	38.520	36.746
Spiked Amount	100.000	Range	30 - 150	Recovery	= 38.52%	36.75%
2) S SURR2, Dec...	10.993	11.960	3038.4E6	500.6E6	53.584	50.790
Spiked Amount	100.000	Range	30 - 150	Recovery	= 53.58%	50.79%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.015	5.230	200.5E6	41324650	245.728	242.940
19) L4c PCB 1242{2}	5.698	5.689	156.4E6	93473407	228.322	245.433
20) L4c PCB 1242{3}	5.897	6.731	784.9E6	65904138	246.770	239.858
21) L4c PCB 1242{4}	6.493	7.045	341.1E6	66476078	254.416	254.549
22) L4c PCB 1242{5}	6.591	7.328	315.5E6	54075277	249.719	280.262
Sum PCB 1242			1798.4E6	321.3E6	1224.954	1263.041
Average PCB 1242					244.991	252.608
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	300.6E6	67238348	276.204	255.122
39) L8C PCB 1268{2}	8.448	8.785	419.0E6	82968308	255.443	225.354
40) L8C PCB 1268{3}	9.512	10.063	1503.7E6	263.0E6	255.233	250.040
41) L8C PCB 1268{4}	9.628	10.274	393.7E6	66613158	216.366	223.193
42) L8C PCB 1268{5}	10.166	10.413	602.5E6	111.3E6	261.056	226.865
Sum PCB 1268			3219.5E6	591.1E6	1264.301	1180.573
Average PCB 1268					252.860	236.115
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH493.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:23 am
Operator :
Sample : 1242/68 ML
Misc : INITIAL CAL.
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:11 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH492.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:03 am
 Operator :
 Sample : 1242/68 L
 Misc : INITIAL CAL.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:08 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

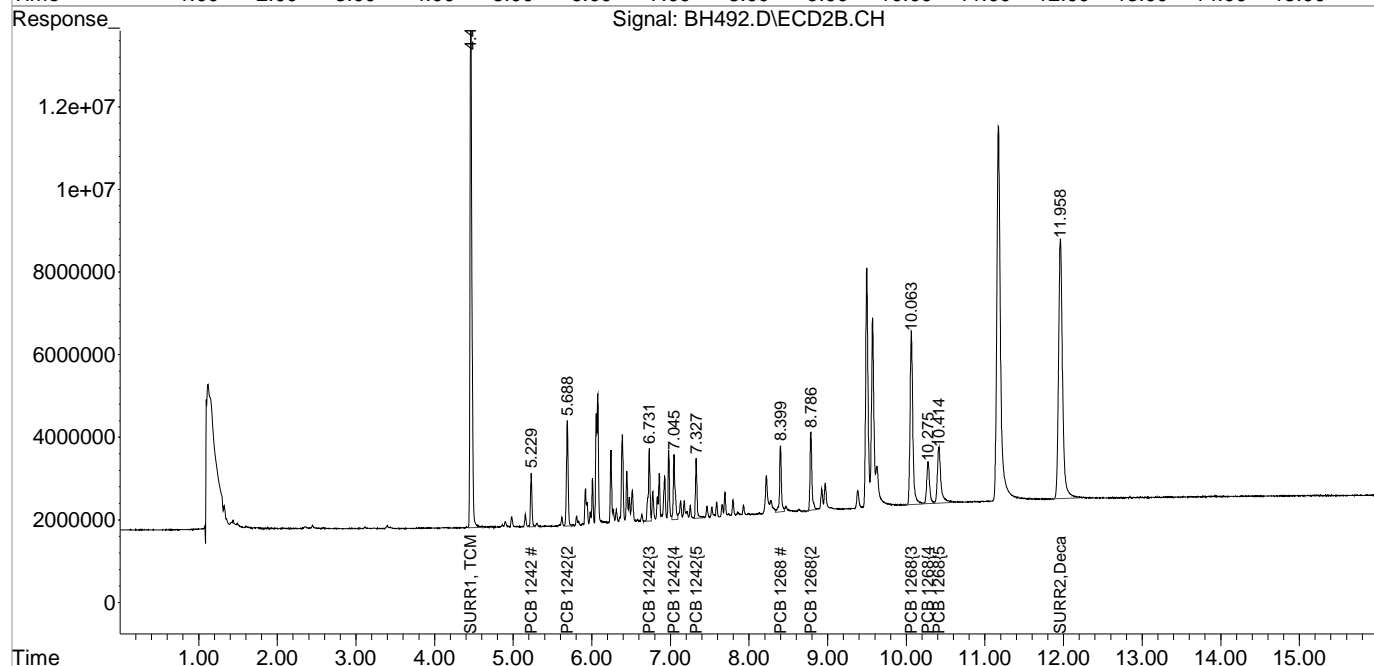
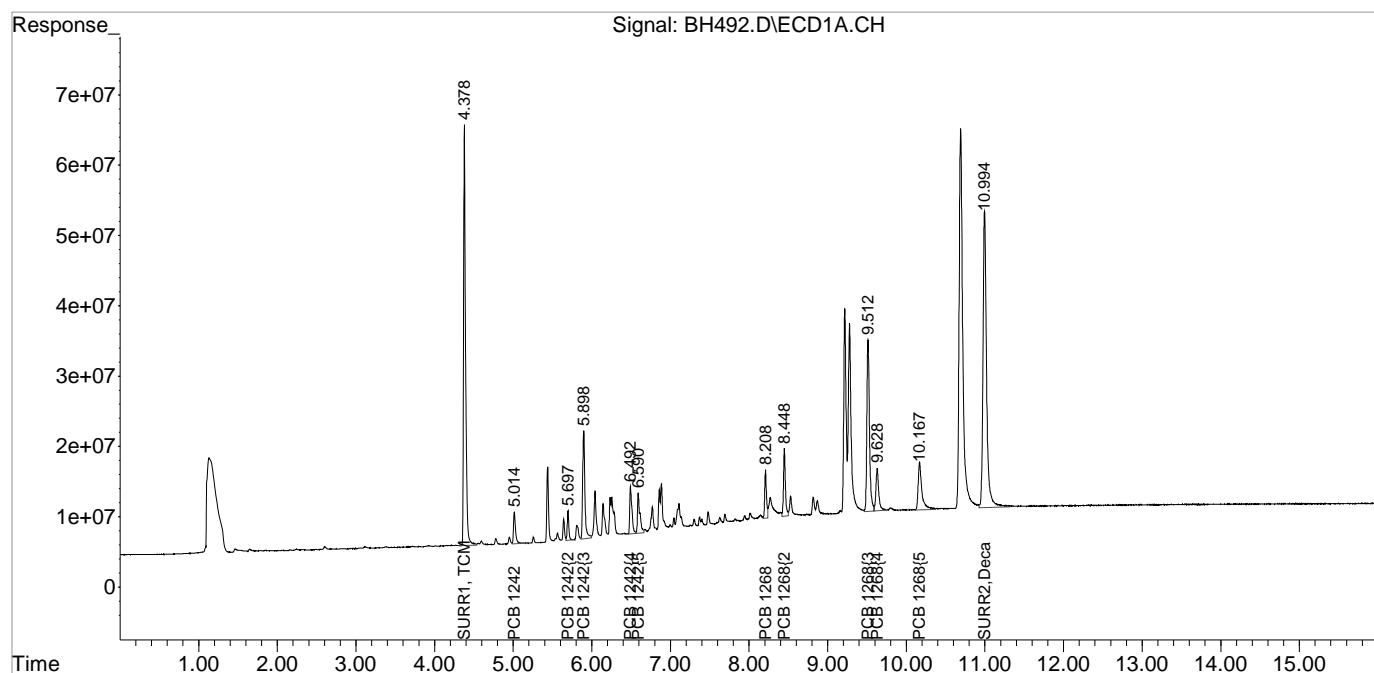
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.460	1055.1E6	222.3E6	17.688	17.392
Spiked Amount	100.000	Range	30 - 150	Recovery =	17.69%#	17.39%#
2) S SURR2, Dec...	10.994	11.959	1337.0E6	221.4E6	23.578	22.463
Spiked Amount	100.000	Range	30 - 150	Recovery =	23.58%#	22.46%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.015	5.229	82065241	16931776	100.563	99.539
19) L4c PCB 1242{2}	5.697	5.689	61183669	38173946	89.319	100.233
20) L4c PCB 1242{3}	5.898	6.731	304.3E6	26234709	95.667	95.481
21) L4c PCB 1242{4}	6.492	7.045	131.5E6	25848006	98.085	98.977
22) L4c PCB 1242{5}	6.591	7.328	119.7E6	19837634	94.714	102.815
Sum PCB 1242			698.7E6	127.0E6	478.347	497.044
Average PCB 1242					95.669	99.409
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	106.6E6	26357921	97.914m	100.010
39) L8C PCB 1268{2}	8.448	8.786	161.2E6	31451223	98.286m	85.426
40) L8C PCB 1268{3}	9.513	10.063	561.5E6	101.1E6	95.304	96.167
41) L8C PCB 1268{4}	9.629	10.276	149.4E6	25355699	82.094	84.956
42) L8C PCB 1268{5}	10.168	10.415	220.5E6	41690133	95.553	85.005
Sum PCB 1268			1199.2E6	226.0E6	469.151	451.565
Average PCB 1268					93.830	90.313
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:03 am
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:08 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

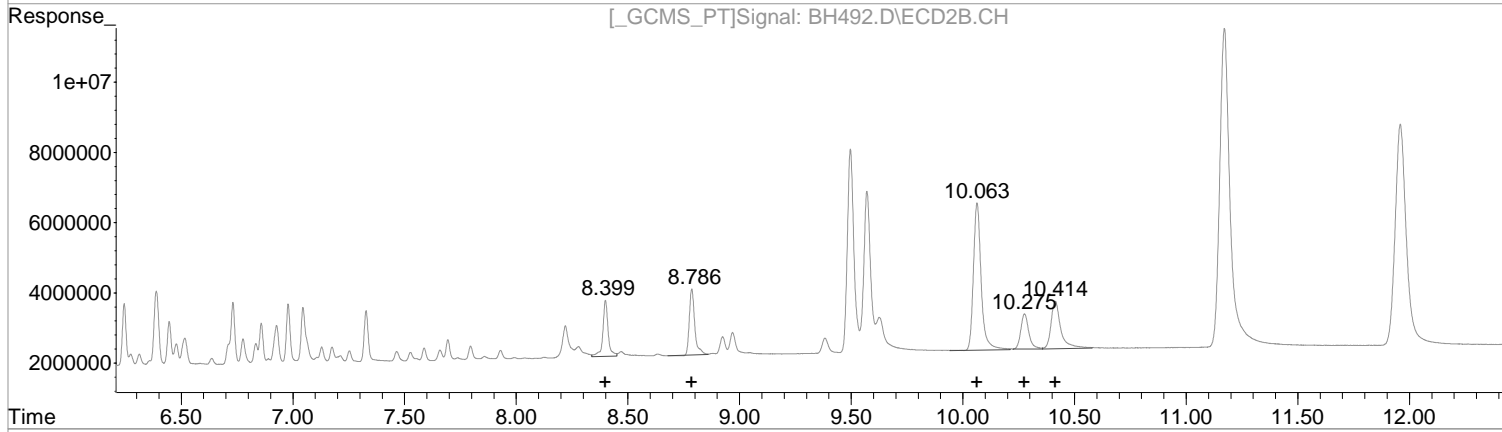
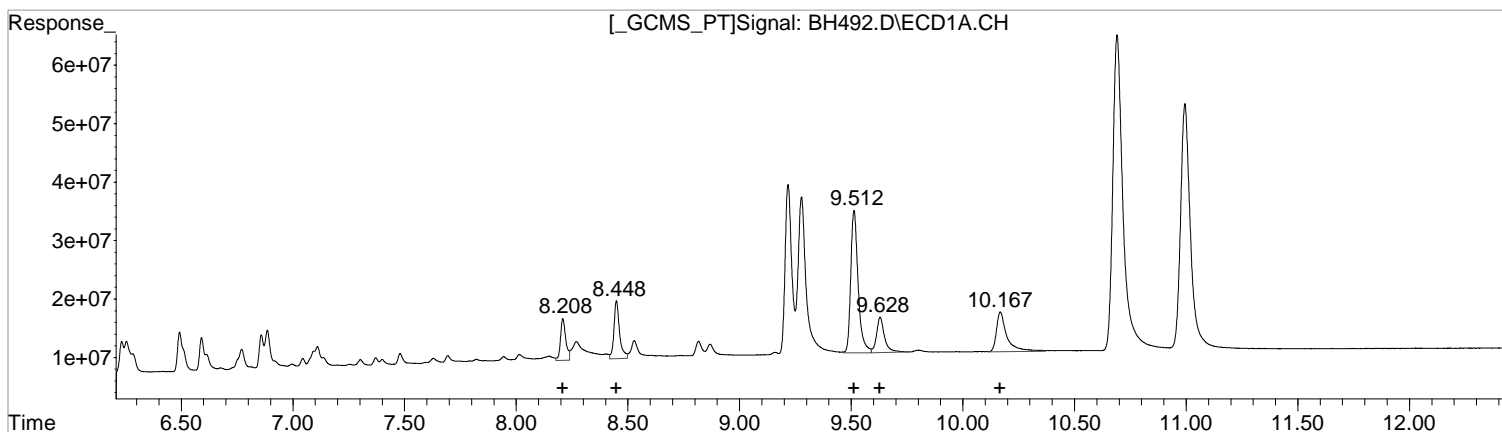
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH492.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:03 am
 Operator :
 Sample : 1242/68 L
 Misc : INITIAL CAL.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:08 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	117605458	108.05
8.45	175260073	106.86
9.51	561466501	95.30
9.63	149387529	82.09
10.17	220532684	95.55

Manual Integration:
 Before
 04/22/19

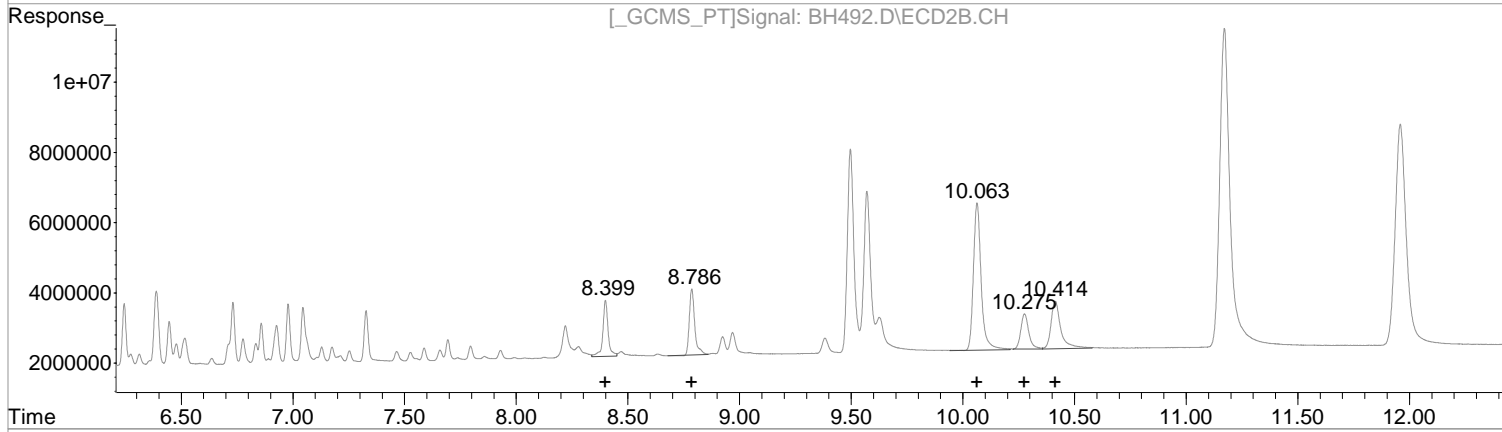
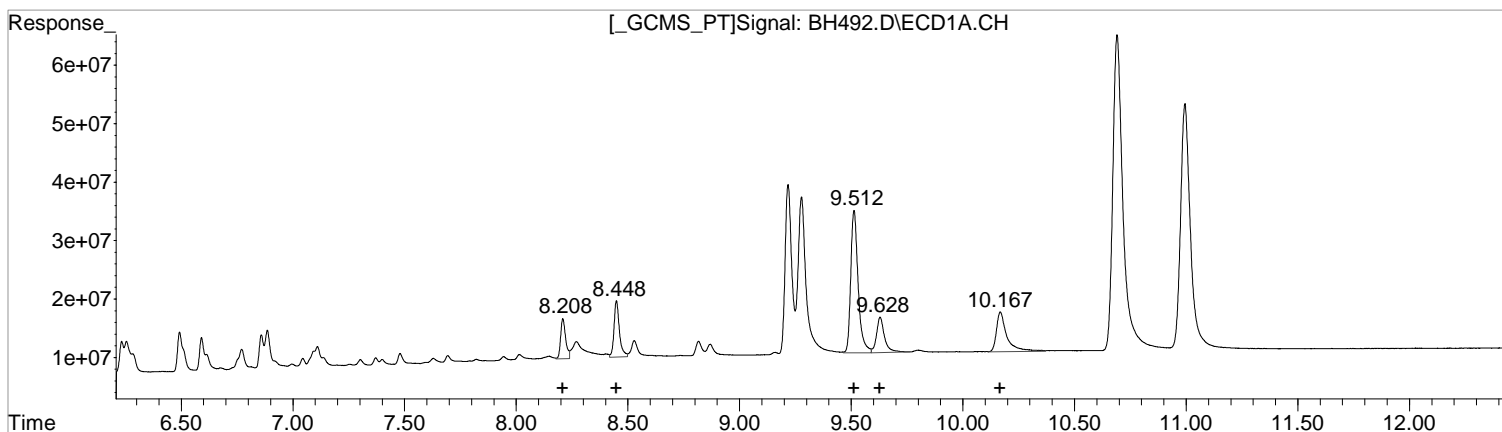
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	26357921	100.01
8.79	31451223	85.43
10.06	101149240	96.17
10.28	25355699	84.96
10.41	41690133	85.01

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:03 am
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:08 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	106572441	97.91
8.45	161200142	98.29
9.51	561466501	95.30
9.63	149387529	82.09
10.17	220532684	95.55

(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	26357921	100.01
8.79	31451223	85.43
10.06	101149240	96.17
10.28	25355699	84.96
10.41	41690133	85.01

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

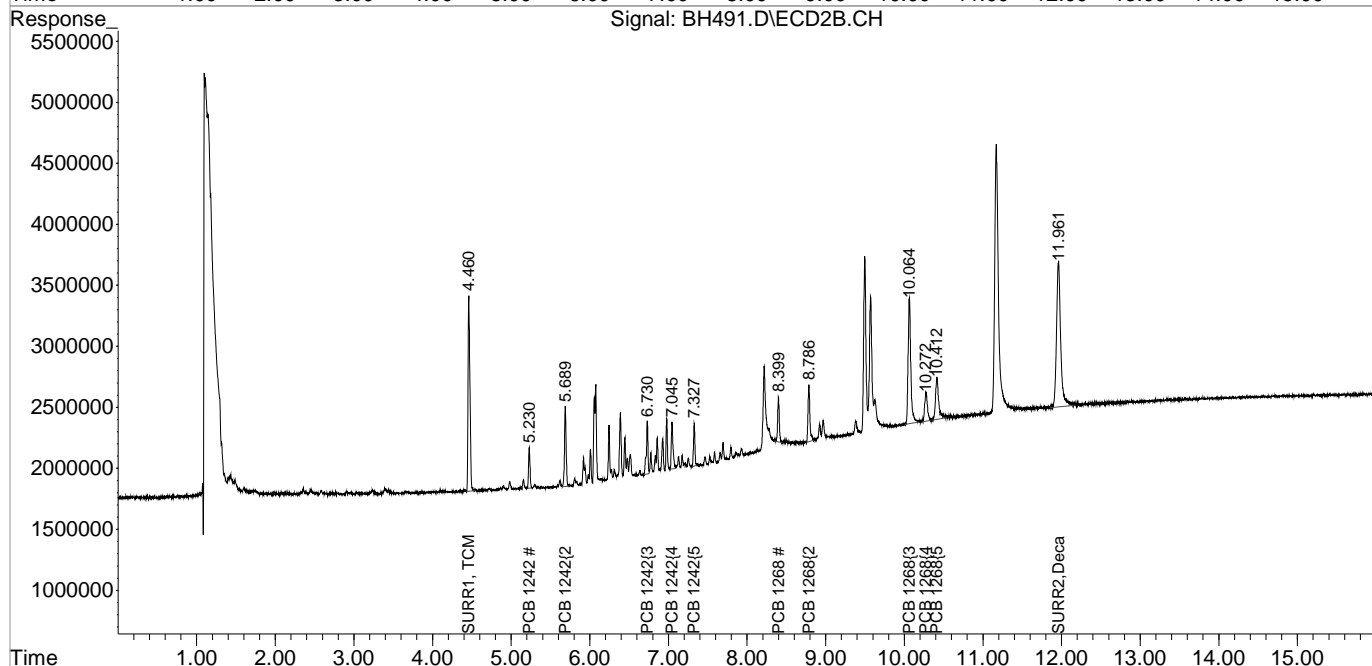
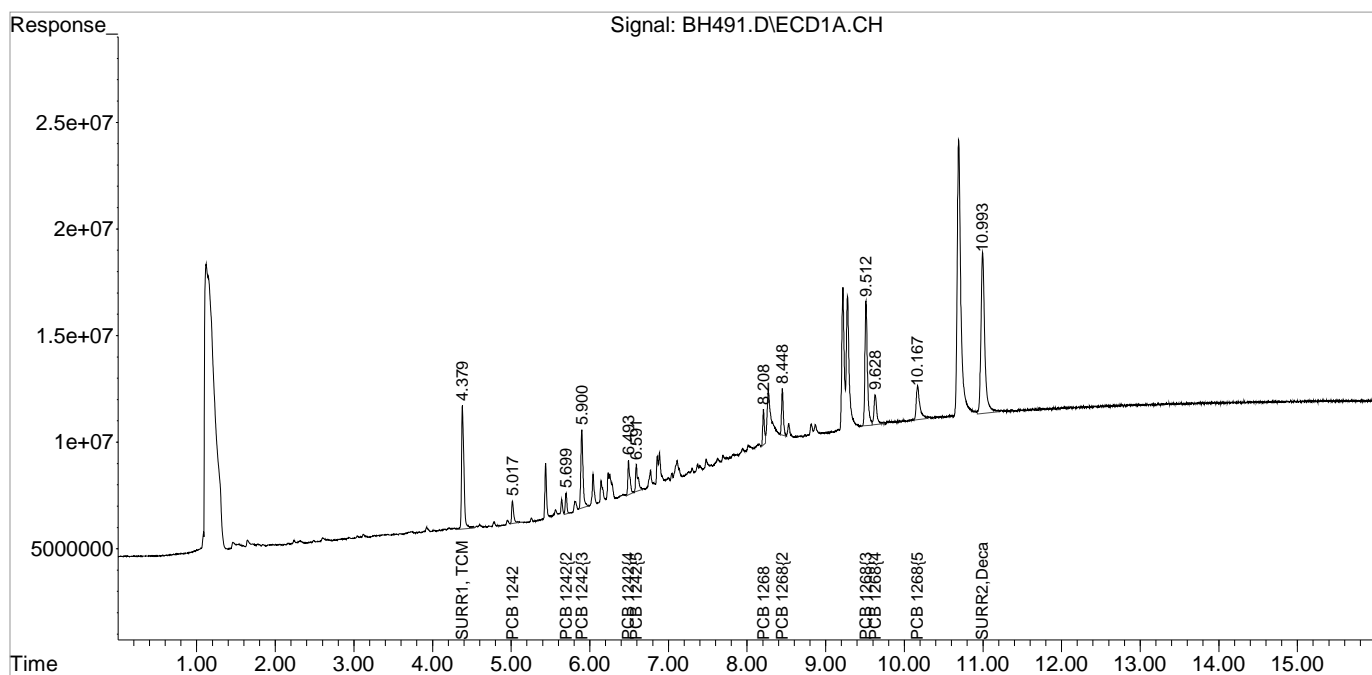
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	121.7E6	26640977	2.040	2.084
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.04%#	2.08%#
2) S SURR2, Dec...	10.995	11.961	251.0E6	43802766	4.427	4.444
Spiked Amount	100.000	Range	30 - 150	Recovery =	4.43%#	4.44%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.017	5.230	18613529	4265939	22.809m	25.079m
19) L4c PCB 1242{2}	5.698	5.689	13852864	9690731	20.223	25.445 #
20) L4c PCB 1242{3}	5.900	6.730	71532906	6413847	22.489m	23.343m
21) L4c PCB 1242{4}	6.493	7.045	29071875	5793763	21.684m	22.185m
22) L4c PCB 1242{5}	6.591	7.328	25619095	4322188	20.279m	22.401
Sum PCB 1242			158.7E6	30486468	107.484	118.453
Average PCB 1242					21.497	23.691
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	24055799	5332402	22.101m	20.233m
39) L8C PCB 1268{2}	8.448	8.786	34291462	7820012	20.908m	21.240m
40) L8C PCB 1268{3}	9.512	10.064	129.6E6	24295375	22.005m	23.099m
41) L8C PCB 1268{4}	9.628	10.272	35076573	5871940	19.276m	19.674m
42) L8C PCB 1268{5}	10.167	10.412	49522250	9653310	21.457m	19.683m
Sum PCB 1268			272.6E6	52973040	105.748	103.929
Average PCB 1268					21.150	20.786
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH491.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:42 am
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:05 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

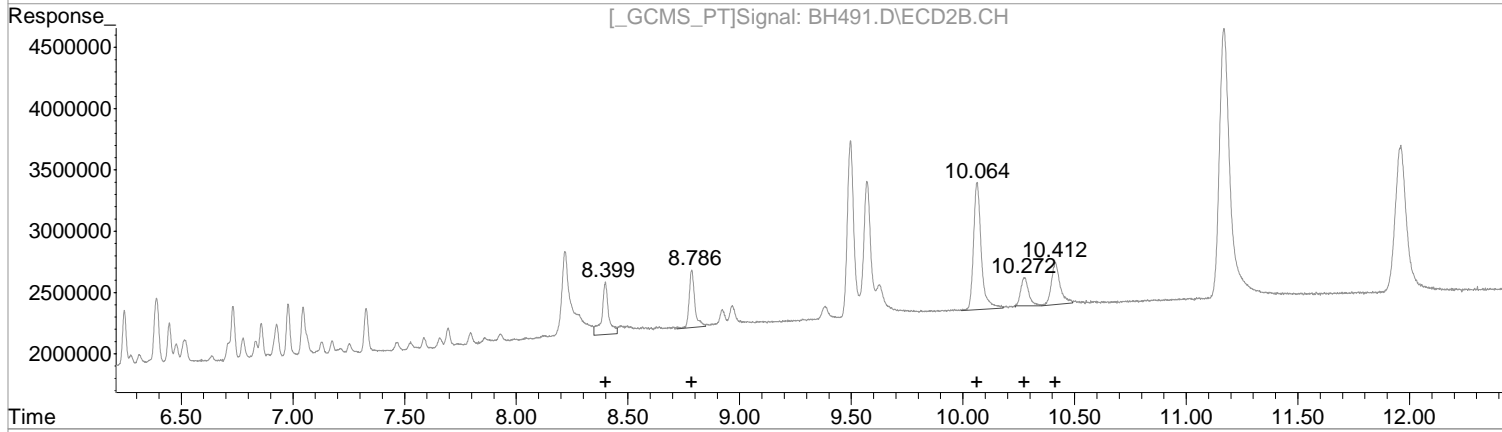
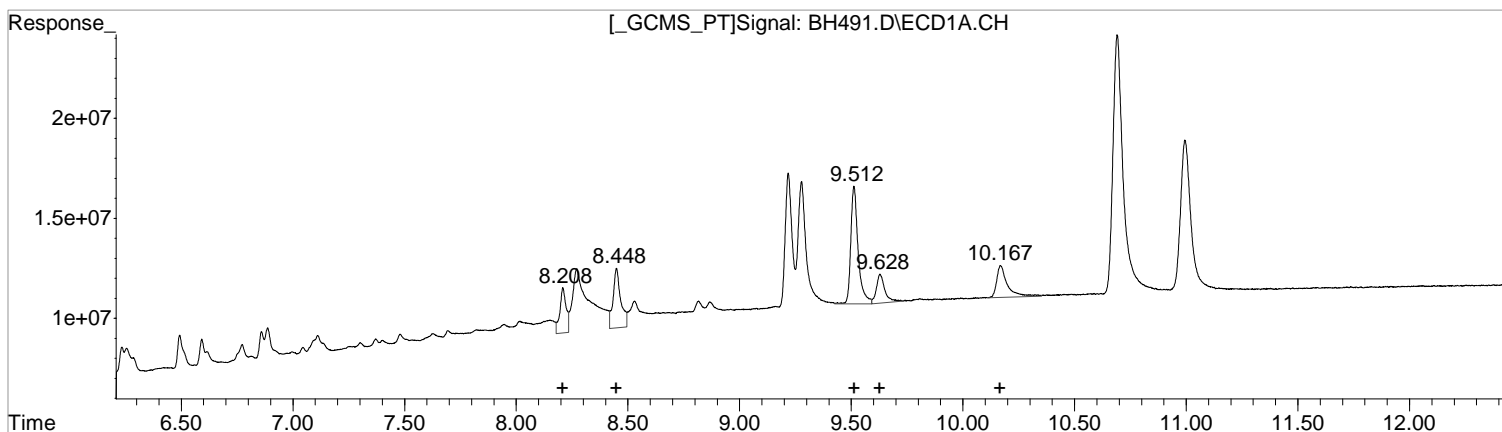
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	44385404	40.78
8.45	71532276	43.61
9.51	143969100	24.44
9.63	38069161	20.92
10.17	53664716	23.25

Manual Integration:
 Before
 04/22/19

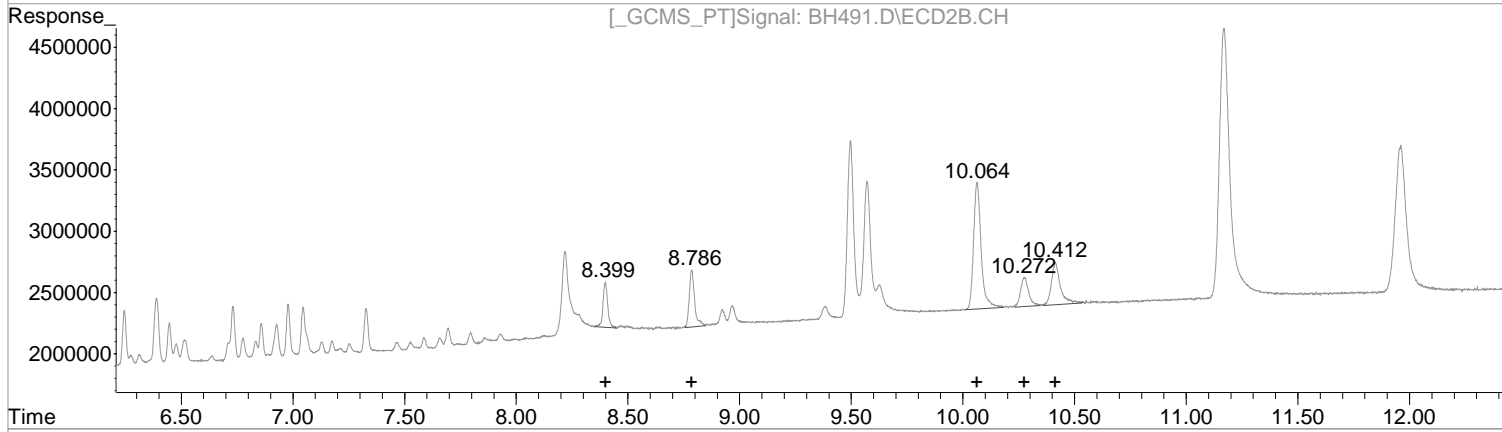
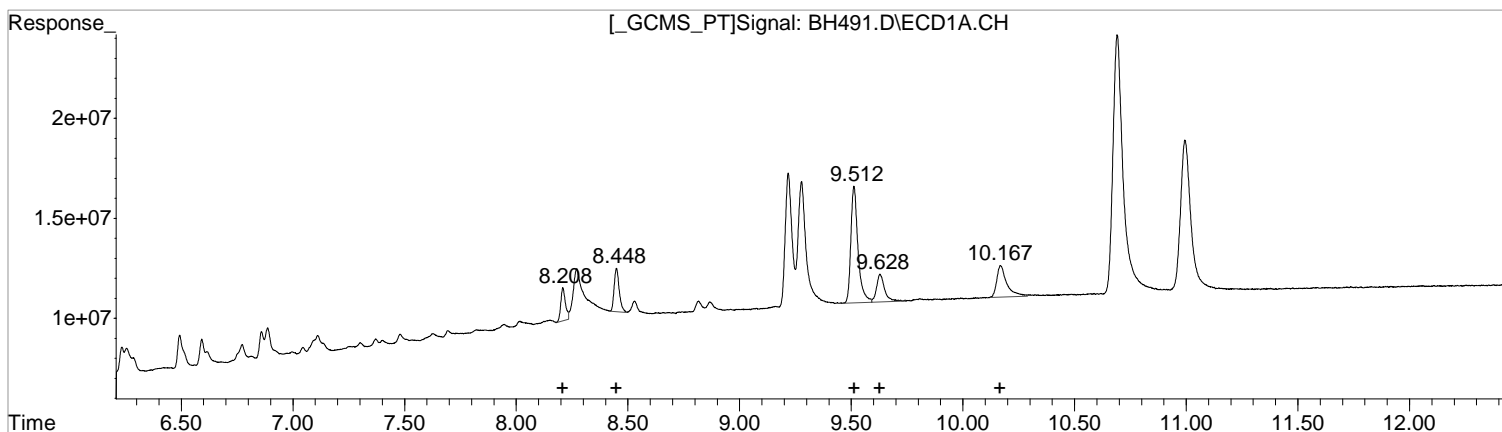
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	9045080	34.32
8.79	8143184	22.12
10.06	24934092	23.71
10.27	6153555	20.62
10.41	9236554	18.83

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)		
R.T.	Response	Conc
8.21	24055799	22.10
8.45	34291462	20.91
9.51	129640337	22.01
9.63	35076573	19.28
10.17	49522250	21.46

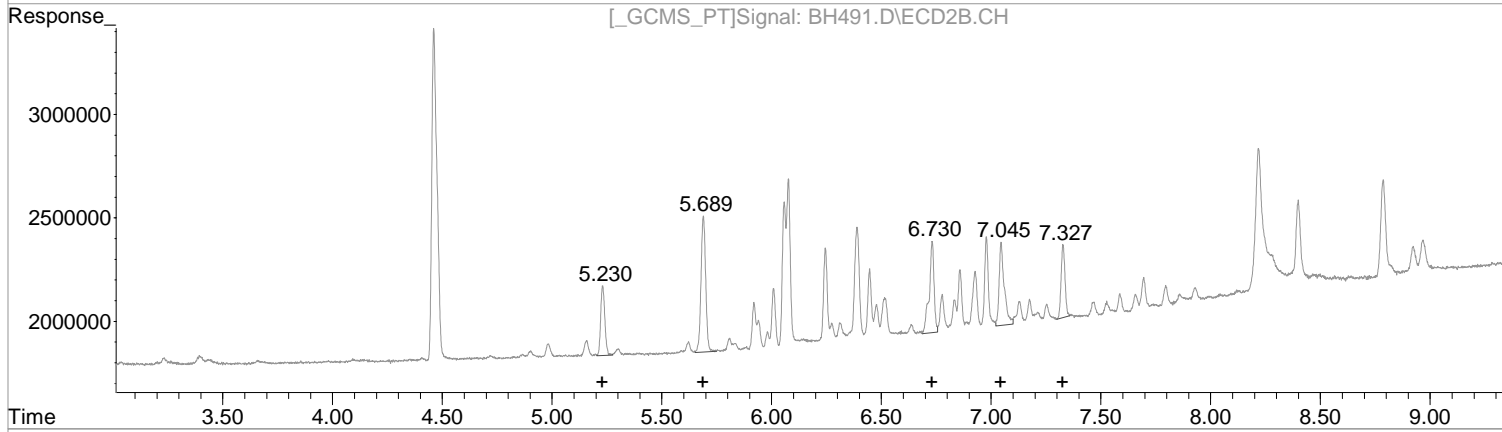
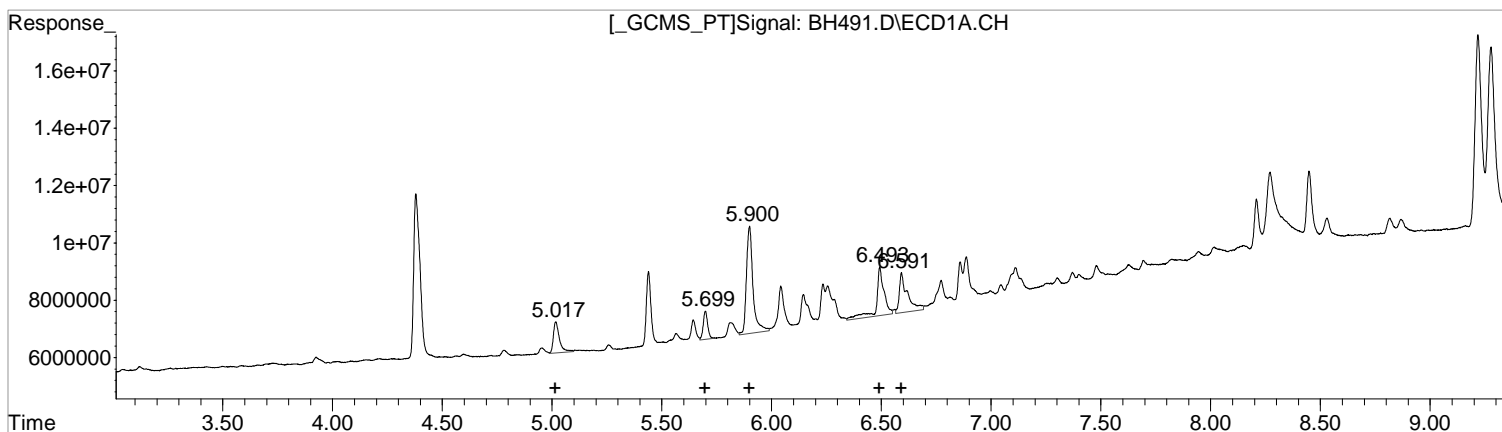
(38) PCB 1268 #2 (L8C)		
R.T.	Response	Conc
8.40	5332402	20.23
8.79	7820012	21.24
10.06	24295375	23.10
10.27	5871940	19.67
10.41	9653310	19.68

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.02	20661142	25.32
5.70	13852864	20.22
5.90	77301837	24.30
6.49	41118665	30.67
6.59	35749342	28.30

(18) PCB 1242 #2 (L4c)

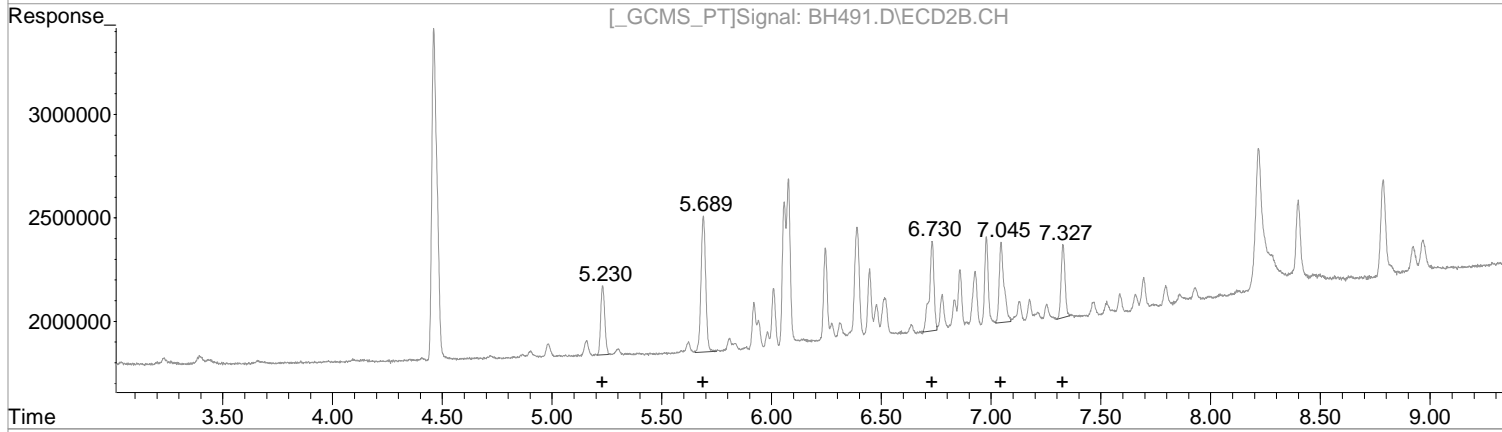
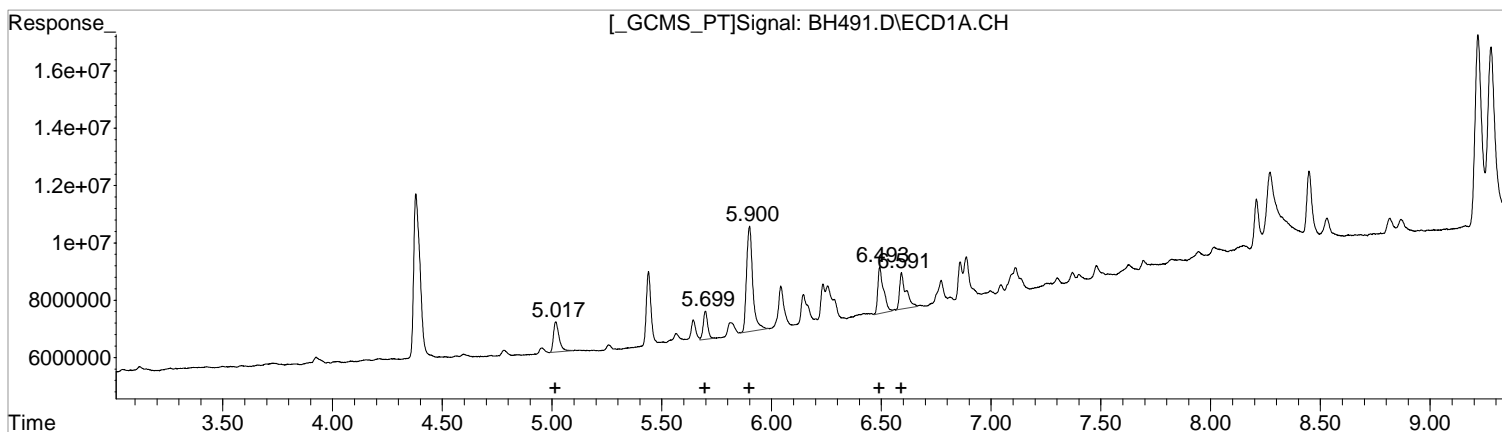
R.T.	Response	Conc
5.23	4434985	26.07
5.69	9690731	25.44
6.73	6787117	24.70
7.05	6501005	24.89
7.33	4322188	22.40

Manual Integration:
 Before
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.02	18613529	22.81
5.70	13852864	20.22
5.90	71532906	22.49
6.49	29071875	21.68
6.59	25619095	20.28

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	4265939	25.08
5.69	9690731	25.44
6.73	6413847	23.34
7.04	5793763	22.19
7.33	4322188	22.40

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH490.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:22 am
 Operator :
 Sample : 1232 H
 Misc : INITIAL CAL.
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:02 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

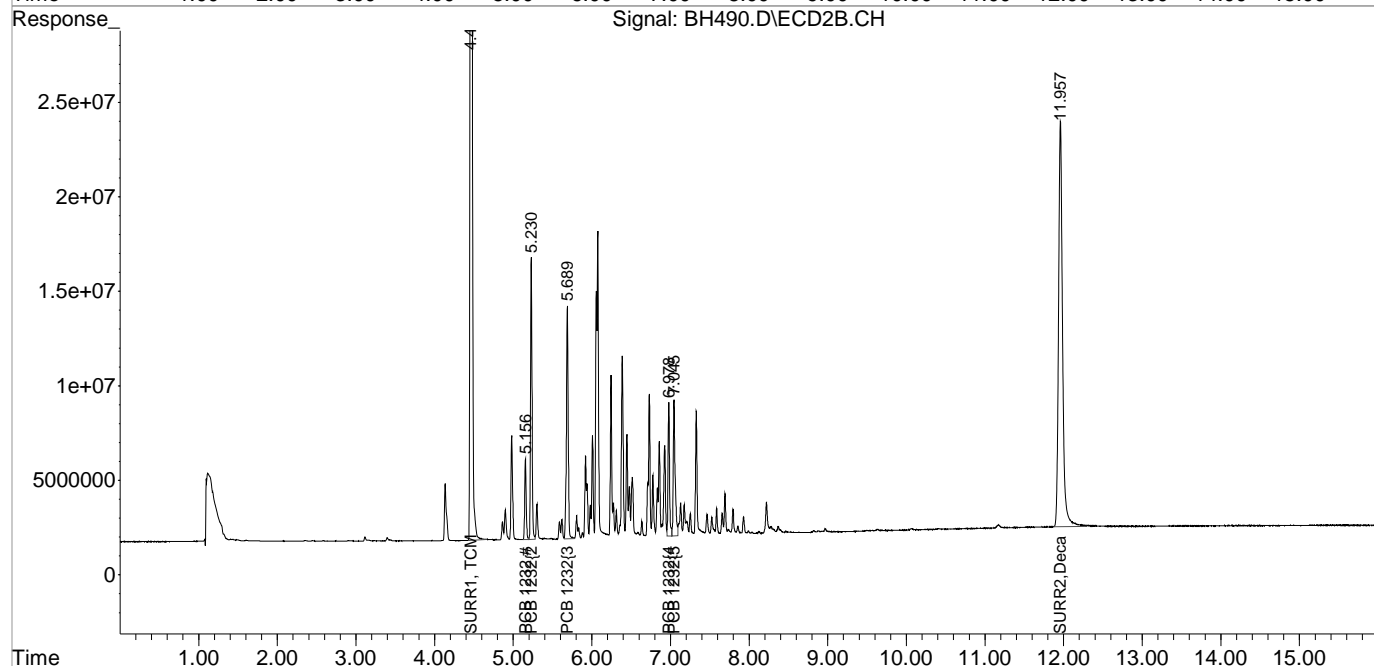
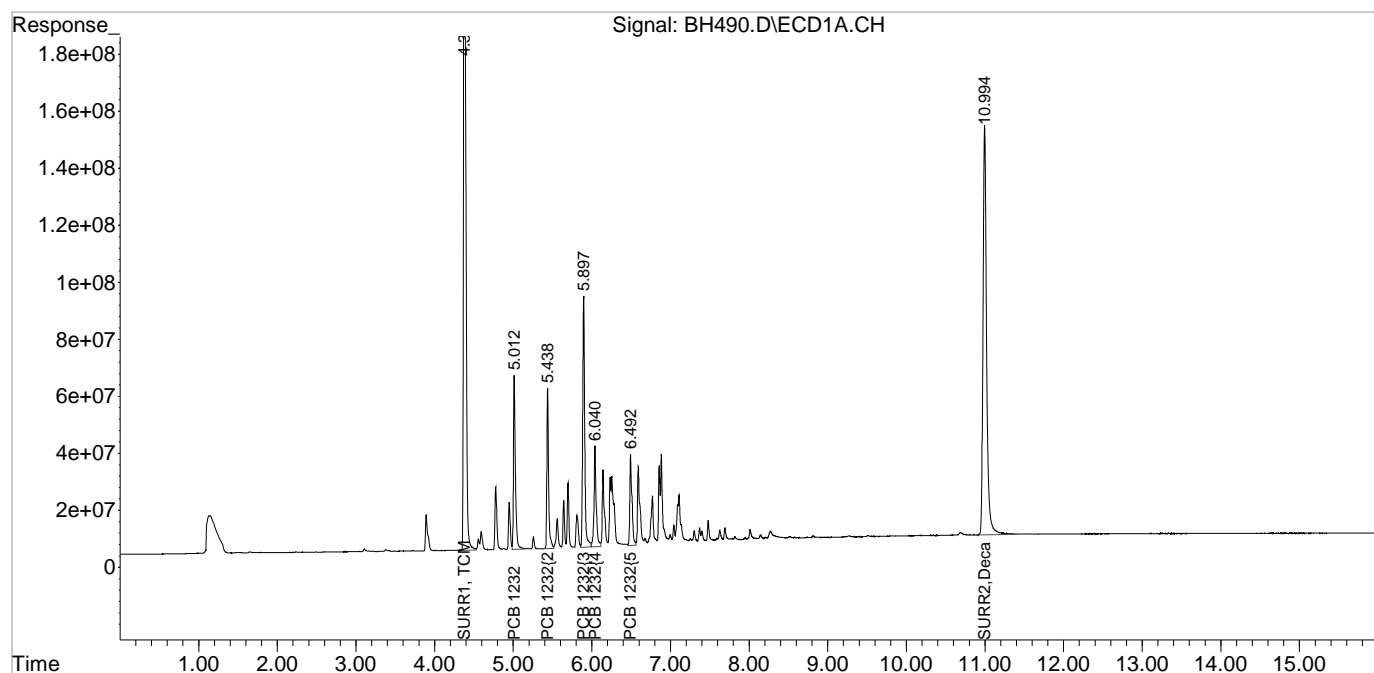
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	5670.5E6	1122.3E6	95.065	87.810
Spiked Amount	100.000	Range	30 - 150	Recovery	= 95.06%	87.81%
2) S SURR2, Dec...	10.994	11.958	4513.0E6	759.6E6	79.590	77.059
Spiked Amount	100.000	Range	30 - 150	Recovery	= 79.59%	77.06%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.013	5.156	1077.9E6	57110072	945.886	758.335
14) L3c PCB 1232{2}	5.439	5.230	879.4E6	195.1E6	900.996	815.426
15) L3c PCB 1232{3}	5.897	5.689	1603.3E6	196.4E6	934.550	850.592
16) L3c PCB 1232{4}	6.041	6.979	684.8E6	91639532	905.584	831.829
17) L3c PCB 1232{5}	6.493	7.045	613.4E6	117.3E6	935.341	814.670
Sum PCB 1232			4858.8E6	657.6E6	4622.357	4070.853
Average PCB 1232					924.471	814.171
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:22 am
Operator :
Sample : 1232 H
Misc : INITIAL CAL.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:02 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH489.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:02 am
 Operator :
 Sample : 1232 MH
 Misc : INITIAL CAL.
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

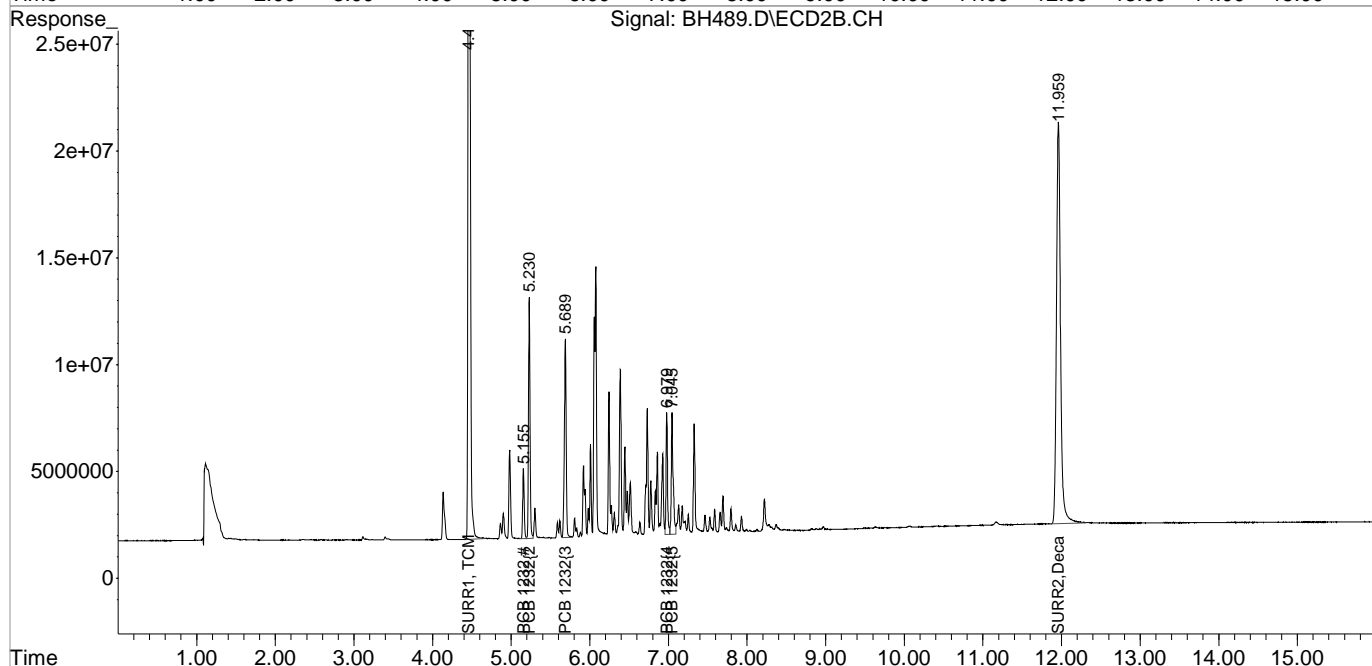
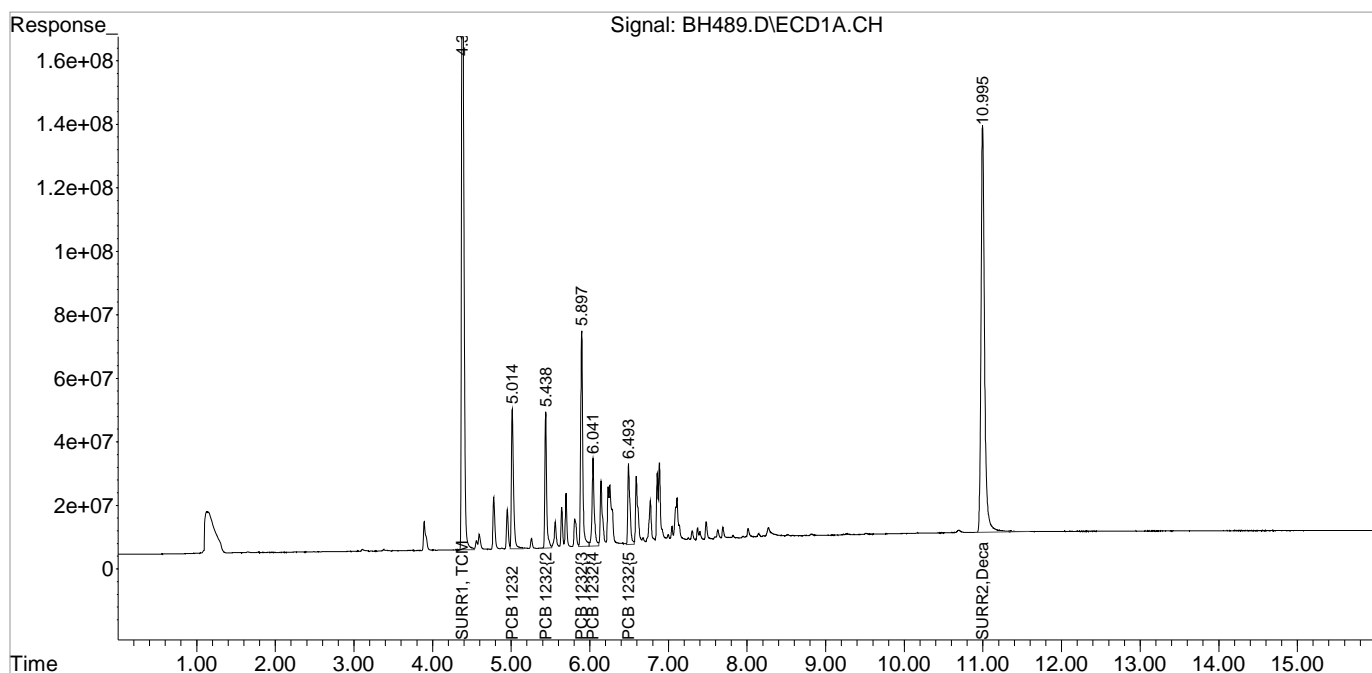
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	4541.3E6	907.6E6	76.134	71.010
Spiked Amount	100.000	Range	30 - 150	Recovery =	76.13%	71.01%
2) S SURR2, Dec...	10.995	11.959	4039.0E6	678.6E6	71.230	68.840
Spiked Amount	100.000	Range	30 - 150	Recovery =	71.23%	68.84%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.014	5.156	823.8E6	44098615	722.887	585.563
14) L3c PCB 1232{2}	5.439	5.230	671.5E6	151.5E6	687.962	633.265
15) L3c PCB 1232{3}	5.897	5.689	1248.7E6	152.3E6	727.843	659.770
16) L3c PCB 1232{4}	6.041	6.979	533.2E6	73694834	705.120	668.941
17) L3c PCB 1232{5}	6.493	7.046	478.5E6	94639179	729.539	657.109
Sum PCB 1232			3755.5E6	516.3E6	3573.351	3204.647
Average PCB 1232					714.670	640.929
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:02 am
Operator :
Sample : 1232 MH
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:59 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH488.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:41 am
 Operator :
 Sample : 1232 M
 Misc : INITIAL CAL.
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:56 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

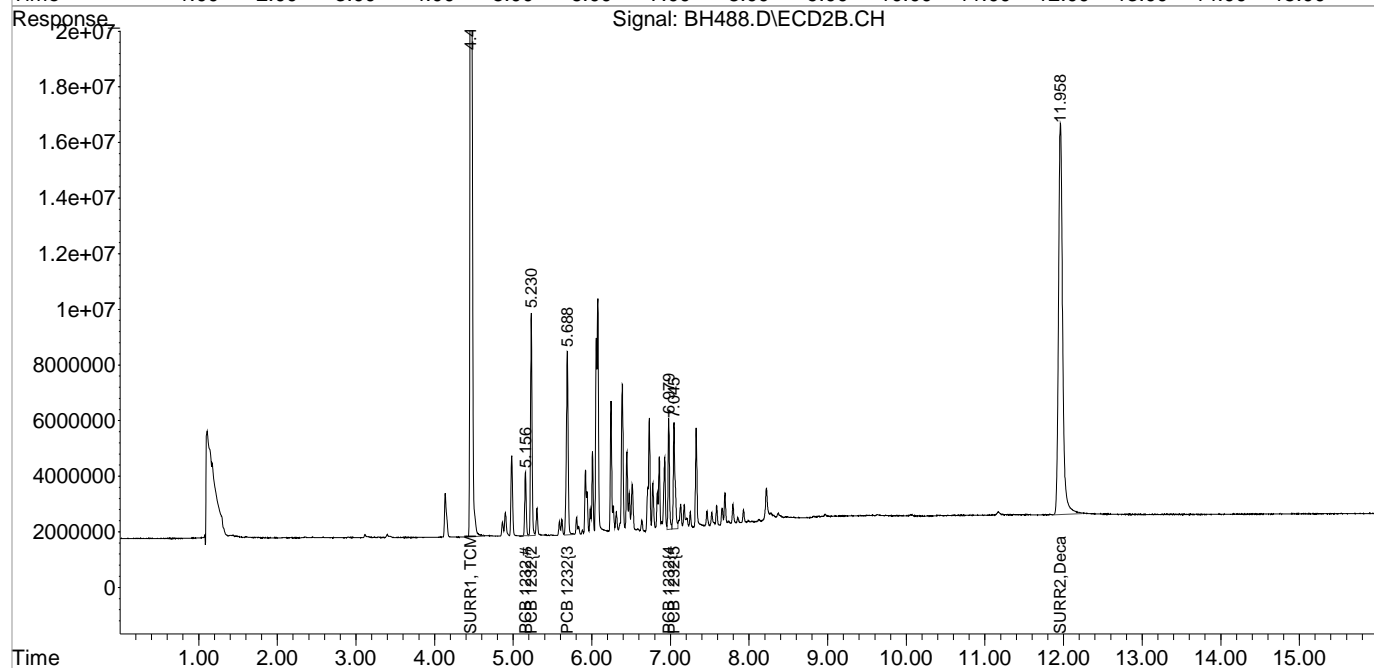
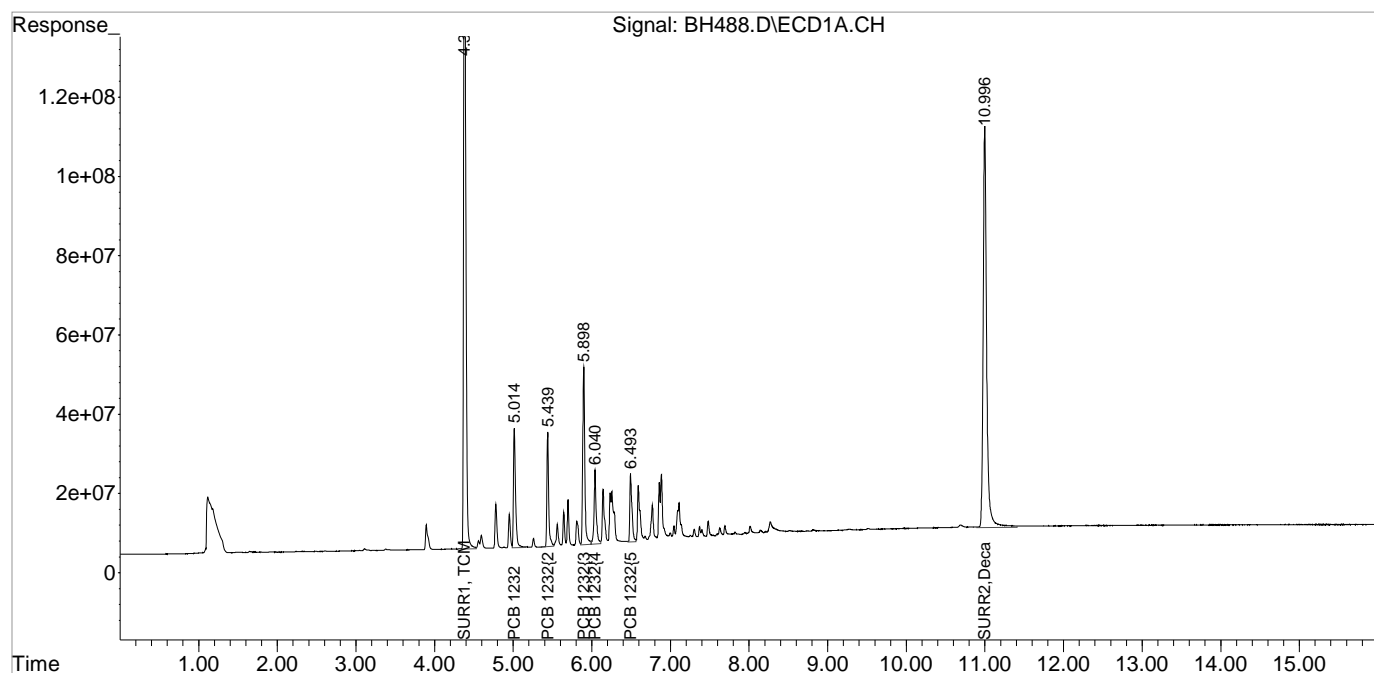
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.462	3412.9E6	691.7E6	57.218	54.115
Spiked Amount	100.000	Range	30 - 150	Recovery =	57.22%	54.12%
2) S SURR2, Dec...	10.997	11.959	3133.1E6	515.0E6	55.254	52.243
Spiked Amount	100.000	Range	30 - 150	Recovery =	55.25%	52.24%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.015	5.156	560.3E6	30280375	491.717	402.077
14) L3c PCB 1232{2}	5.439	5.230	454.5E6	104.5E6	465.643	436.531
15) L3c PCB 1232{3}	5.898	5.689	833.3E6	105.2E6	485.700	455.500
16) L3c PCB 1232{4}	6.041	6.979	357.0E6	48385529	472.188	439.204
17) L3c PCB 1232{5}	6.494	7.045	318.1E6	61670342	485.070	428.196
Sum PCB 1232			2523.2E6	350.0E6	2400.318	2161.508
Average PCB 1232					480.064	432.302
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH488.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:41 am
Operator :
Sample : 1232 M
Misc : INITIAL CAL.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:56 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH487.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:21 am
 Operator :
 Sample : 1232 ML
 Misc : INITIAL CAL.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:53 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

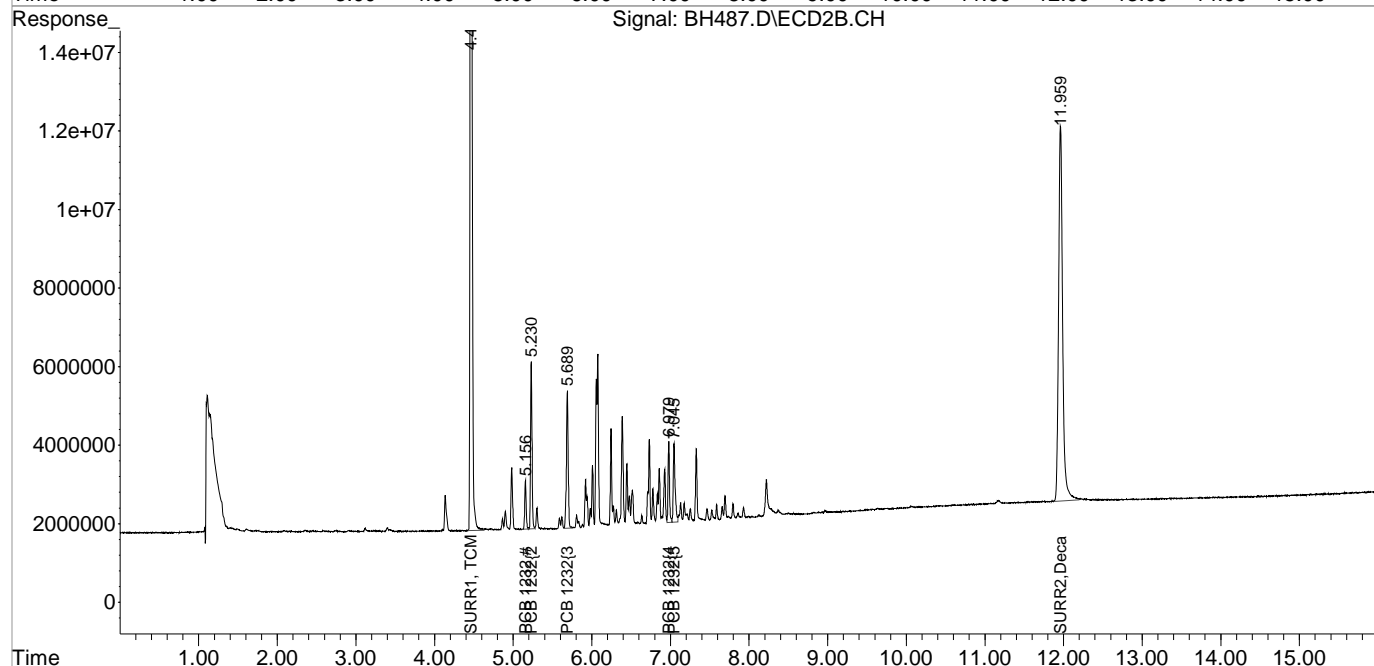
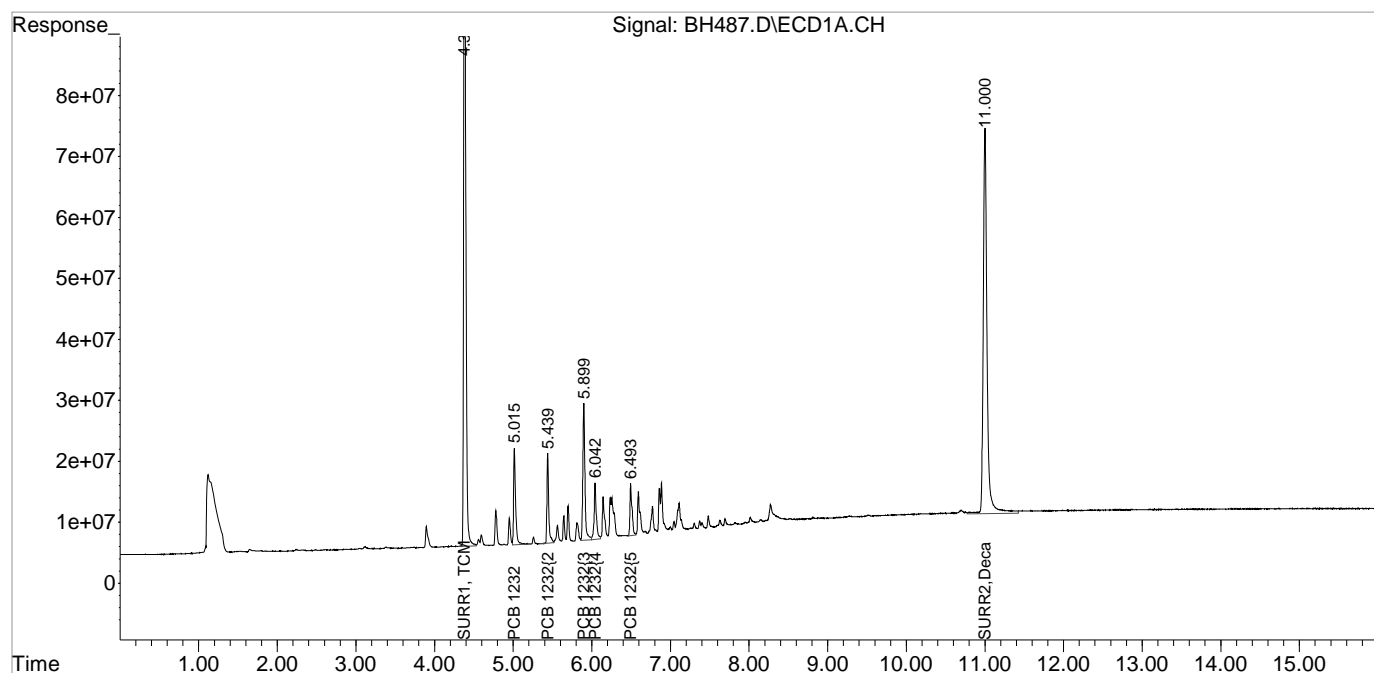
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.463	2236.3E6	464.3E6	37.491	36.328
Spiked Amount	100.000	Range	30 - 150	Recovery	= 37.49%	36.33%
2) S SURR2, Dec...	10.999	11.959	2119.2E6	341.4E6	37.374	34.630
Spiked Amount	100.000	Range	30 - 150	Recovery	= 37.37%	34.63%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.016	5.156	289.4E6	16007687	253.950	212.558
14) L3c PCB 1232{2}	5.440	5.230	232.8E6	55204822	238.551	230.700
15) L3c PCB 1232{3}	5.899	5.690	423.4E6	55597849	246.773	240.787
16) L3c PCB 1232{4}	6.043	6.979	182.0E6	25809007	240.754	234.273
17) L3c PCB 1232{5}	6.493	7.046	157.8E6	32982559	240.603m	229.008
Sum PCB 1232			1285.4E6	185.6E6	1220.631	1147.326
Average PCB 1232					244.126	229.465
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:21 am
Operator :
Sample : 1232 ML
Misc : INITIAL CAL.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:53 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

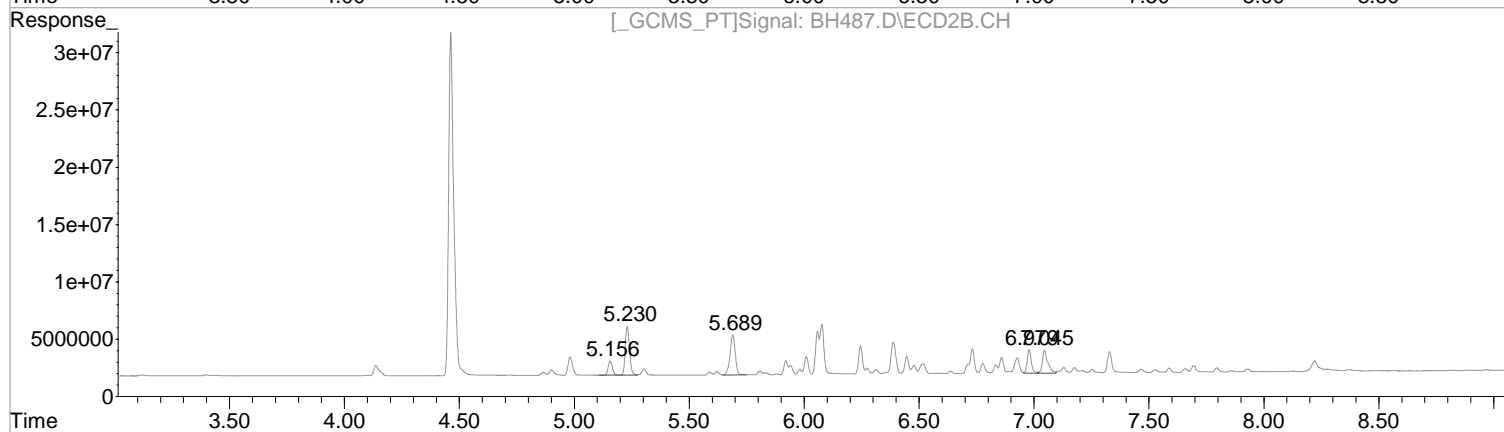
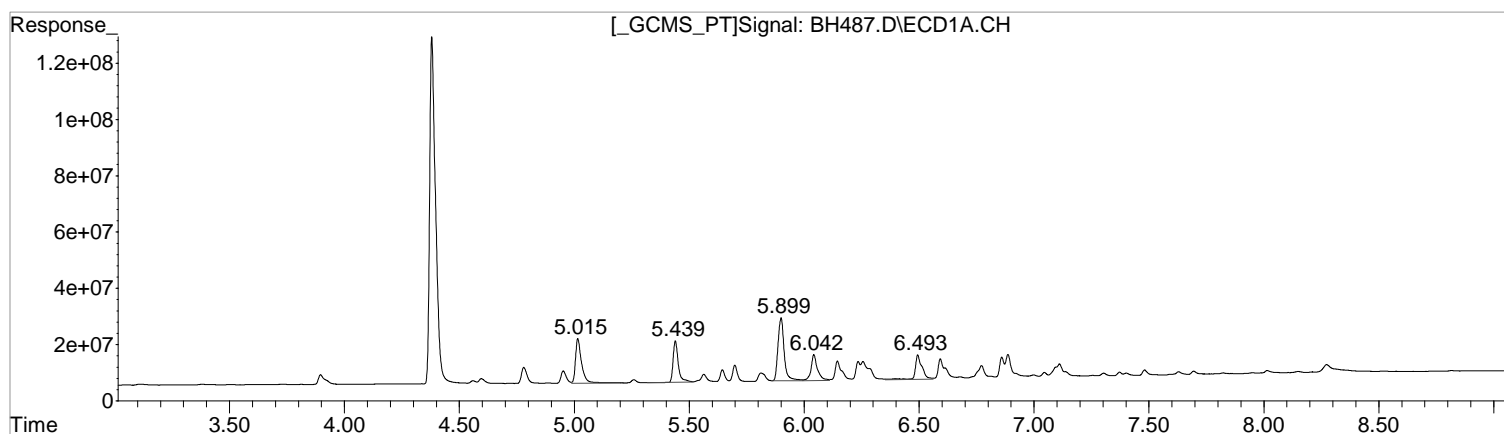
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH487.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:21 am
 Operator :
 Sample : 1232 ML
 Misc : INITIAL CAL.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:53 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	289386685	253.95
5.44	232830120	238.55
5.90	423360772	246.77
6.04	182044280	240.75
6.50	177898685	271.25

Manual Integration:
 Before
 04/22/19

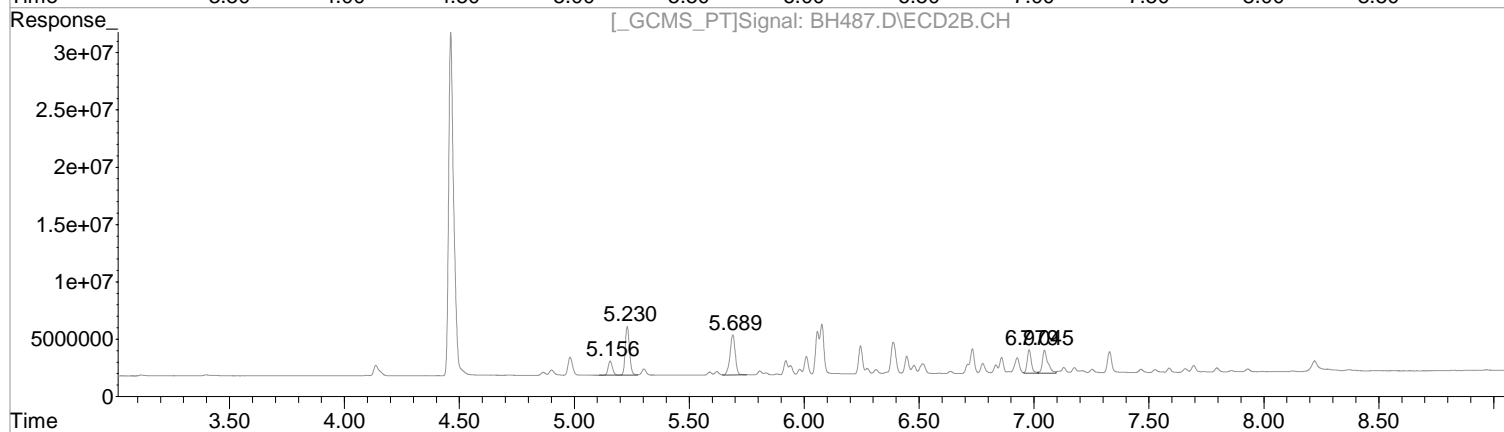
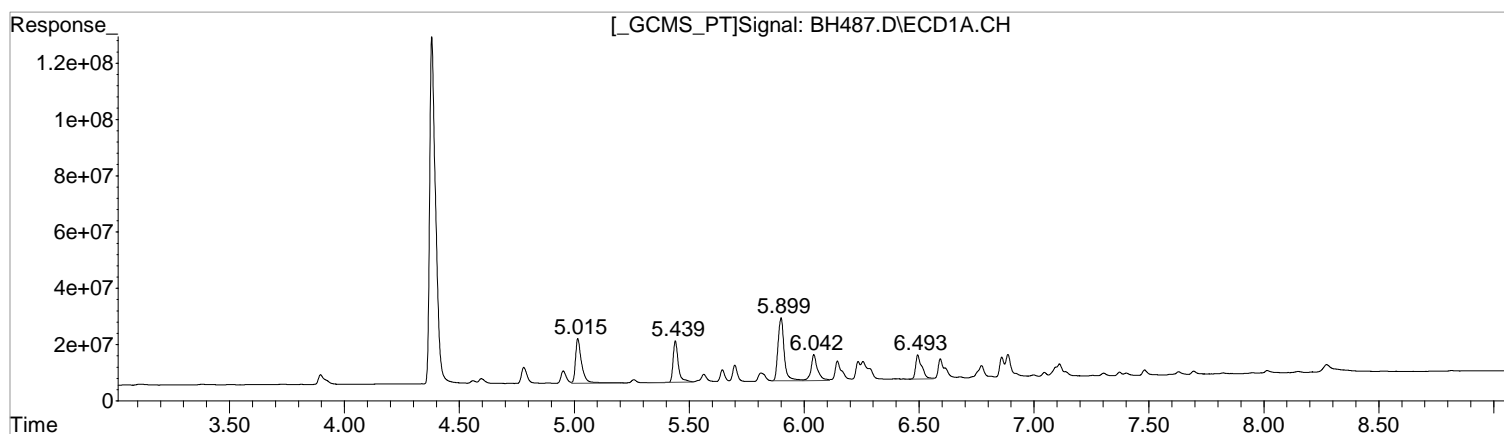
(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	16007687	212.56
5.23	55204822	230.70
5.69	55597849	240.79
6.98	25809007	234.27
7.05	32982559	229.01

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH487.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:21 am
 Operator :
 Sample : 1232 ML
 Misc : INITIAL CAL.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:53 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	289386685	253.95
5.44	232830120	238.55
5.90	423360772	246.77
6.04	182044280	240.75
6.49	157799209	240.60

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	16007687	212.56
5.23	55204822	230.70
5.69	55597849	240.79
6.98	25809007	234.27
7.05	32982559	229.01

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH486.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:00 am
 Operator :
 Sample : 1232 L
 Misc : INITIAL CAL.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:50 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

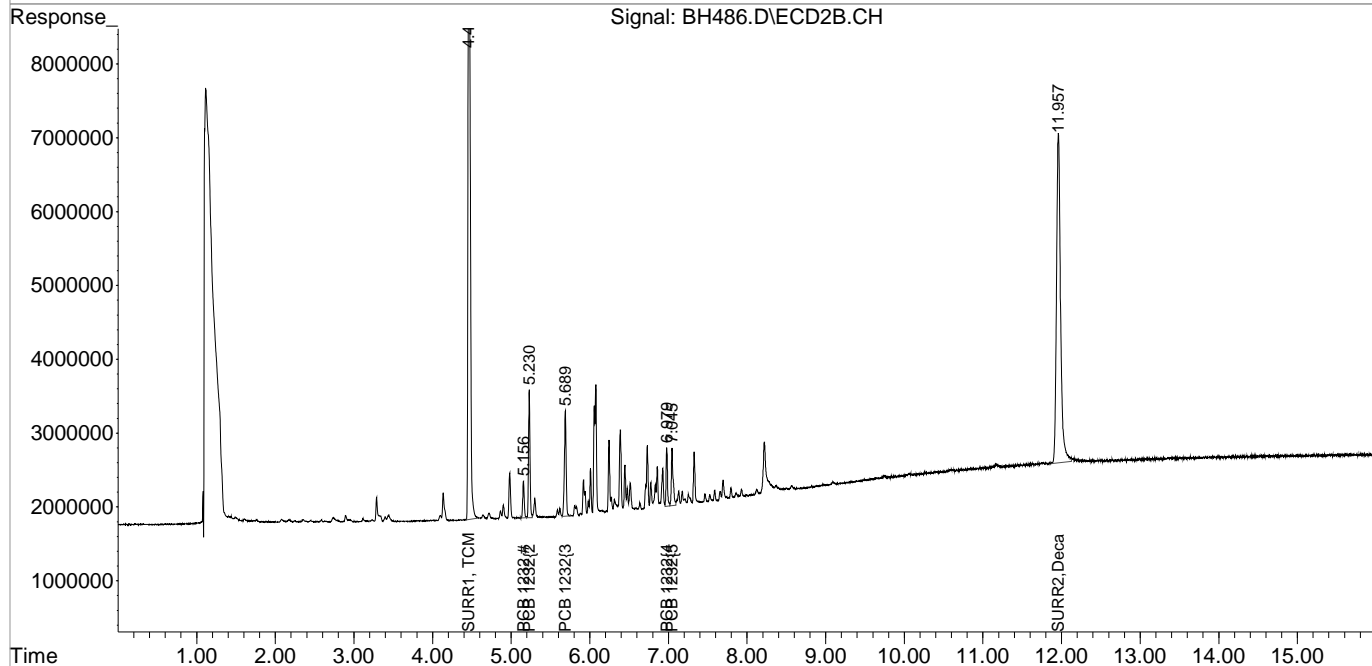
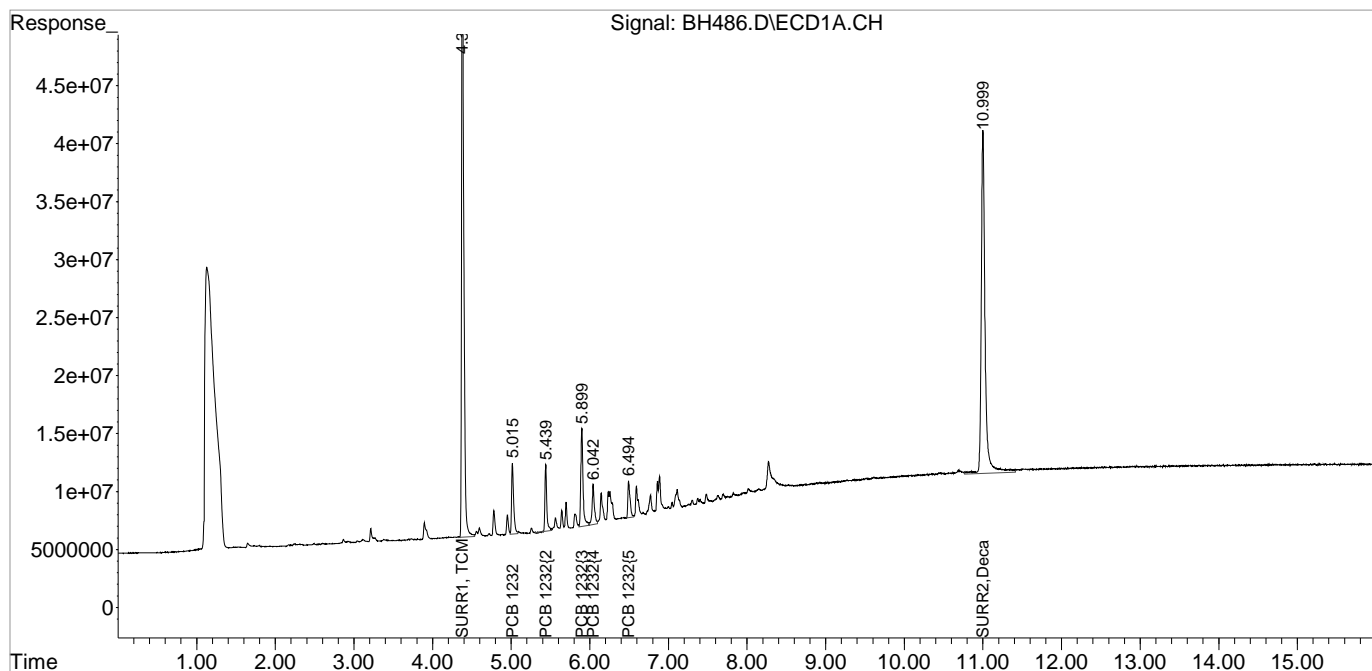
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	1042.3E6	220.8E6	17.475	17.275
Spiked Amount	100.000	Range	30 - 150	Recovery	= 17.48%#	17.27%#
2) S SURR2, Dec...	10.999	11.959	1003.2E6	160.6E6	17.691	16.289
Spiked Amount	100.000	Range	30 - 150	Recovery	= 17.69%#	16.29%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.016	5.156	111.0E6	6705323	97.384	89.037
14) L3c PCB 1232{2}	5.440	5.230	91219591	22610849	93.461	94.490
15) L3c PCB 1232{3}	5.899	5.689	167.3E6	22468960	97.499	97.310
16) L3c PCB 1232{4}	6.043	6.979	70166584	10079363	92.795	91.492
17) L3c PCB 1232{5}	6.494	7.046	60827455	12559357	92.746m	87.203
Sum PCB 1232			500.5E6	74423853	473.886	459.533
Average PCB 1232					94.777	91.907
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH486.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:00 am
Operator :
Sample : 1232 L
Misc : INITIAL CAL.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:50 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

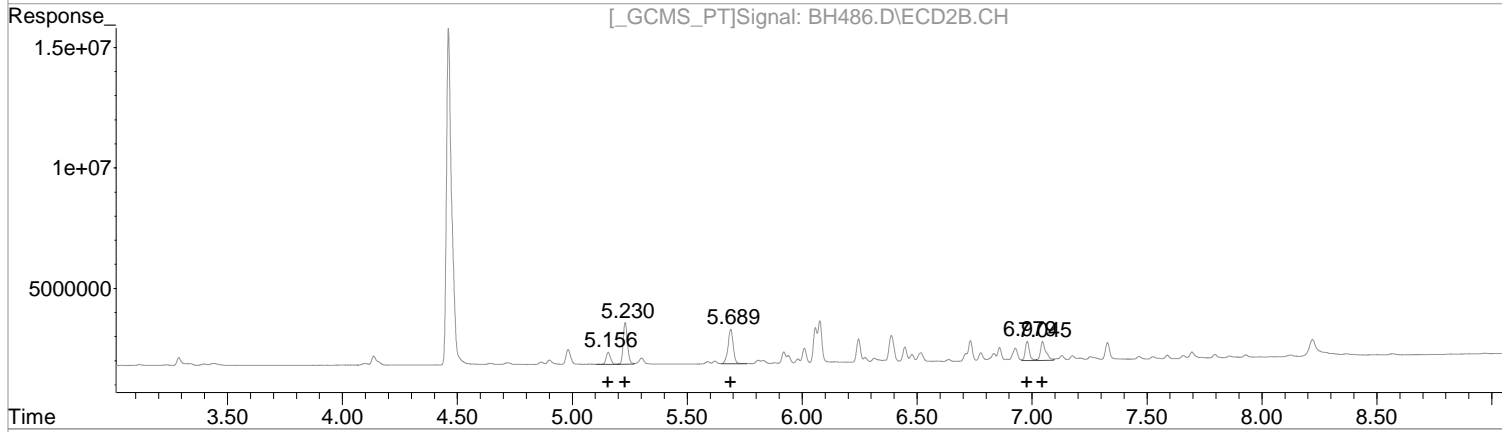
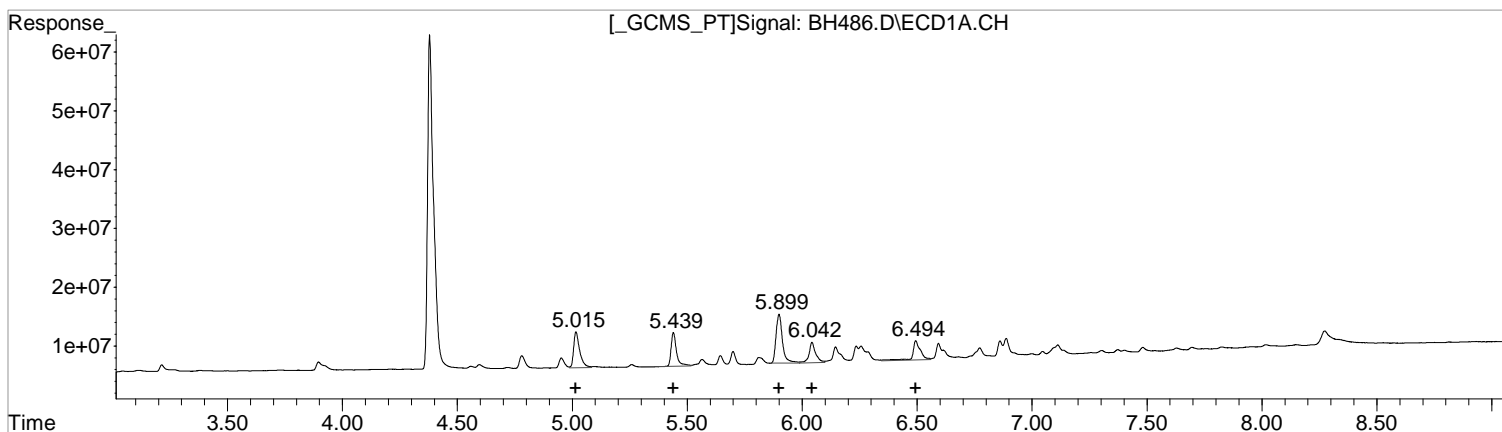
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH486.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:00 am
Operator :
Sample : 1232 L
Misc : INITIAL CAL.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:50 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	110973366	97.38
5.44	91219591	93.46
5.90	167268147	97.50
6.04	70166584	92.80
6.49	76345874	116.41

Manual Integration:
Before
04/22/19

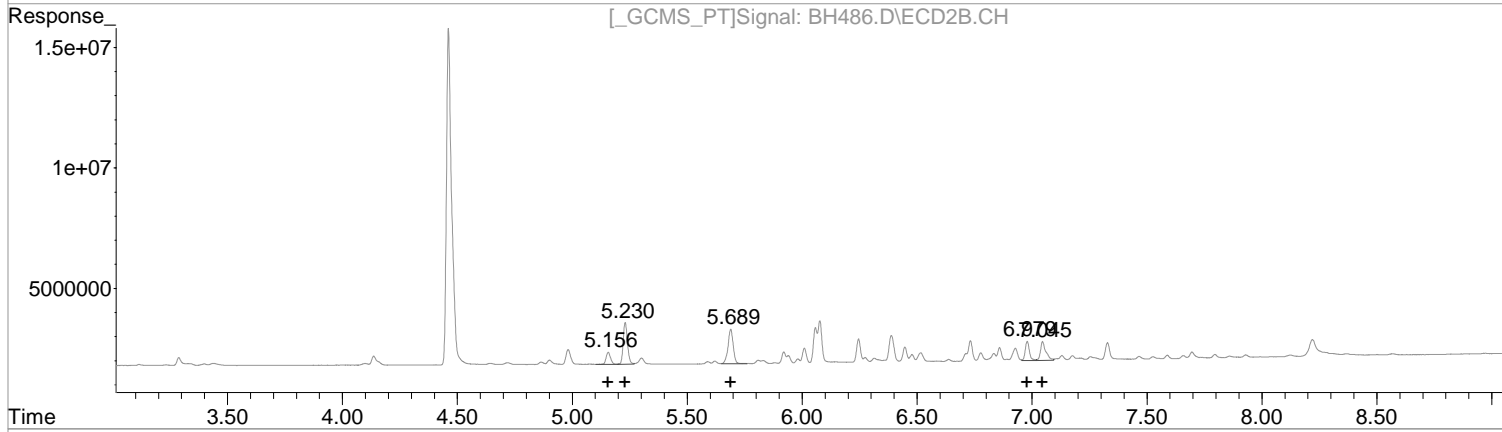
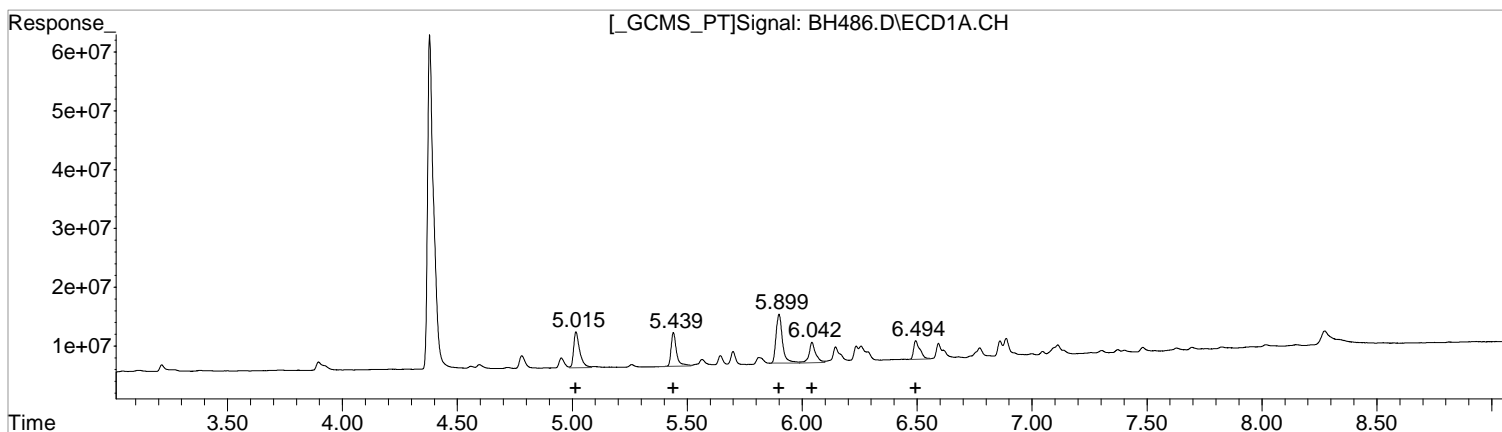
(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	6705323	89.04
5.23	22610849	94.49
5.69	22468960	97.31
6.98	10079363	91.49
7.05	12559357	87.20

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH486.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:00 am
 Operator :
 Sample : 1232 L
 Misc : INITIAL CAL.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:50 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	110973366	97.38
5.44	91219591	93.46
5.90	167268147	97.50
6.04	70166584	92.80
6.49	60827455	92.75

Manual Integration:
 After
 Poor integration.
 04/22/19

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	6705323	89.04
5.23	22610849	94.49
5.69	22468960	97.31
6.98	10079363	91.49
7.05	12559357	87.20

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH485.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 4:40 am
 Operator :
 Sample : 1232 LL
 Misc : INITIAL CAL.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:47 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

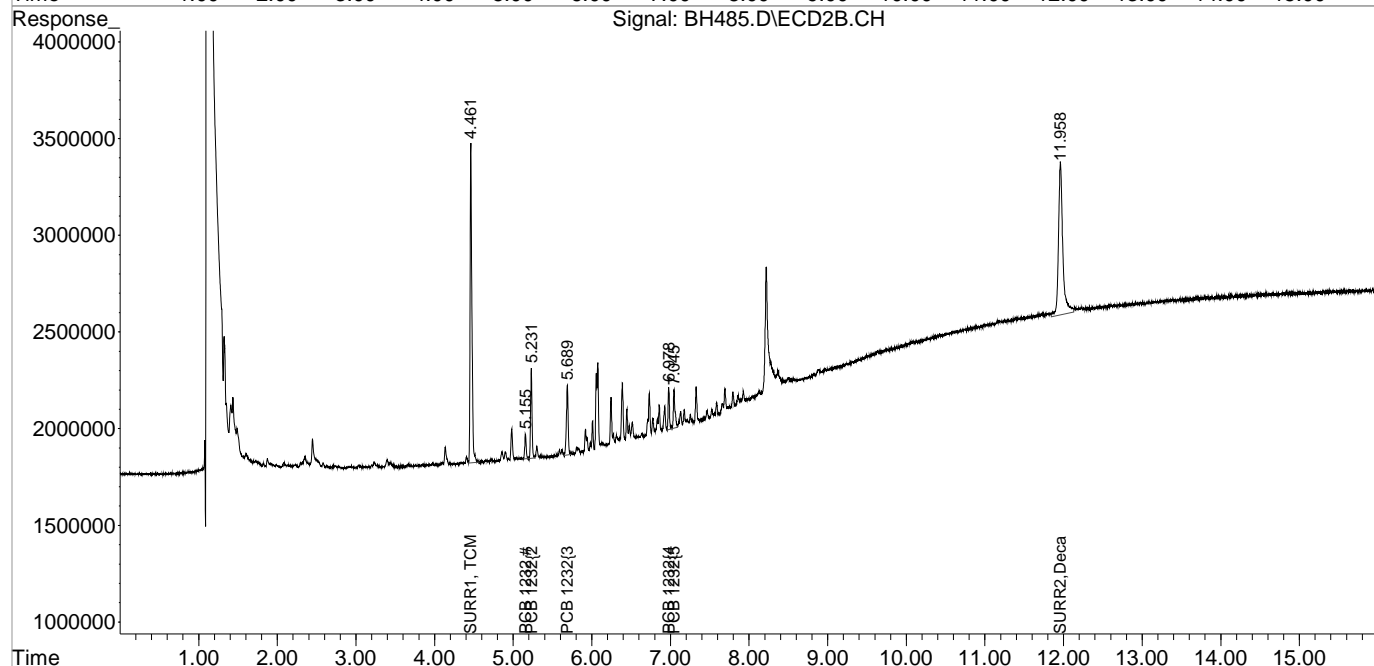
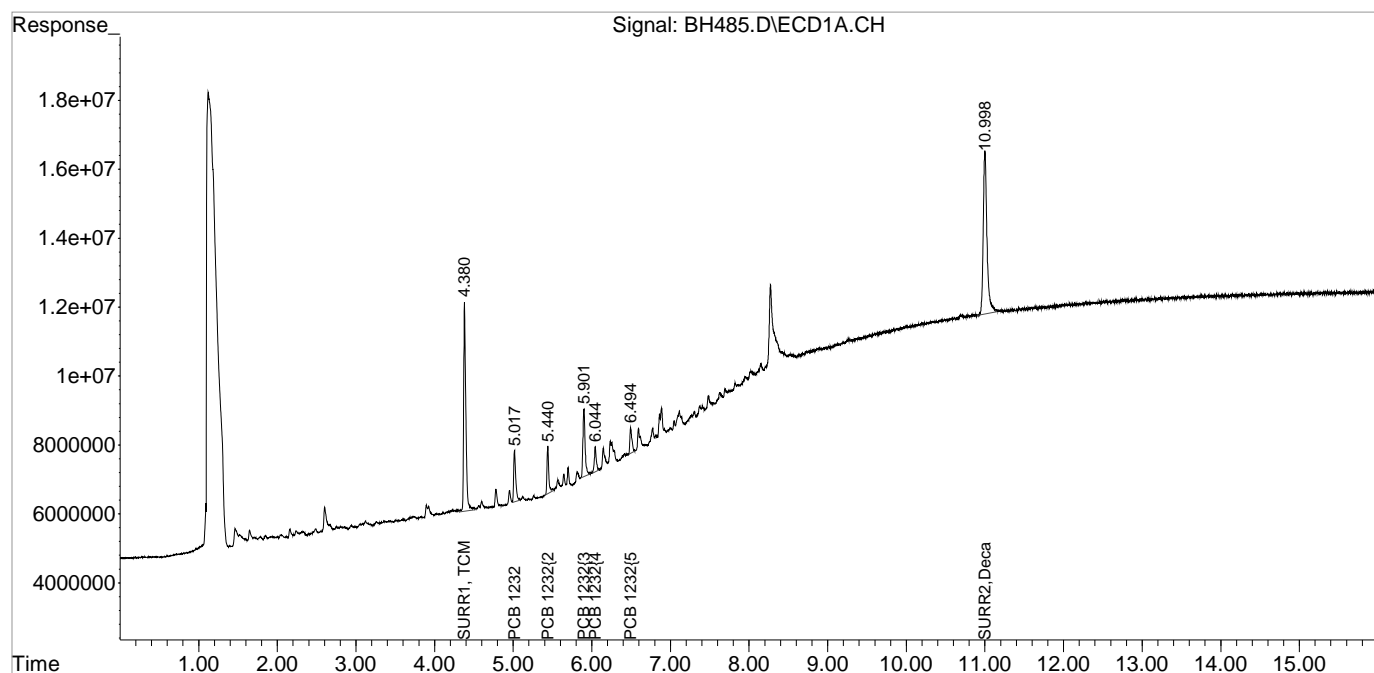
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.461	117.4E6	26225562	1.968	2.052
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.97%#	2.05%#
2) S SURR2, Dec...	10.999	11.959	156.3E6	30146196	2.757	3.058
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.76%#	3.06%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.017	5.155	26573626	1643533	23.320m	21.824m
14) L3c PCB 1232{2}	5.440	5.231	21808936	5900270	22.345m	24.657
15) L3c PCB 1232{3}	5.901	5.689	38460935	5735701	22.418m	24.841
16) L3c PCB 1232{4}	6.044	6.979	12490044	2575609	16.518m	23.379 #
17) L3c PCB 1232{5}	6.494	7.045	13143394	3080873	20.040m	21.391
Sum PCB 1232			112.5E6	18935986	104.641	116.092
Average PCB 1232					20.928	23.218
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:40 am
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:47 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

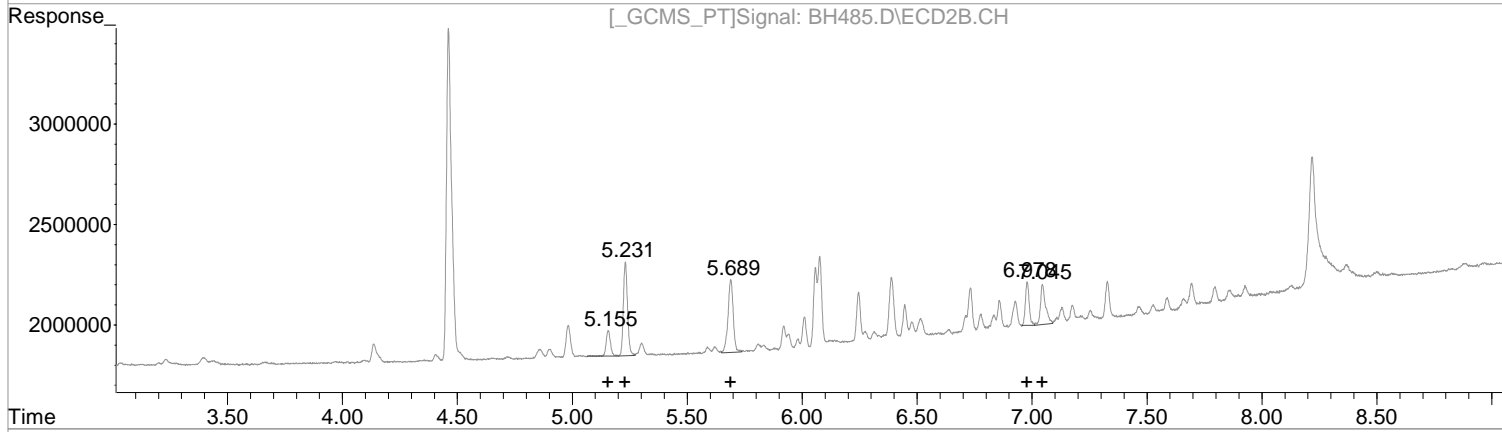
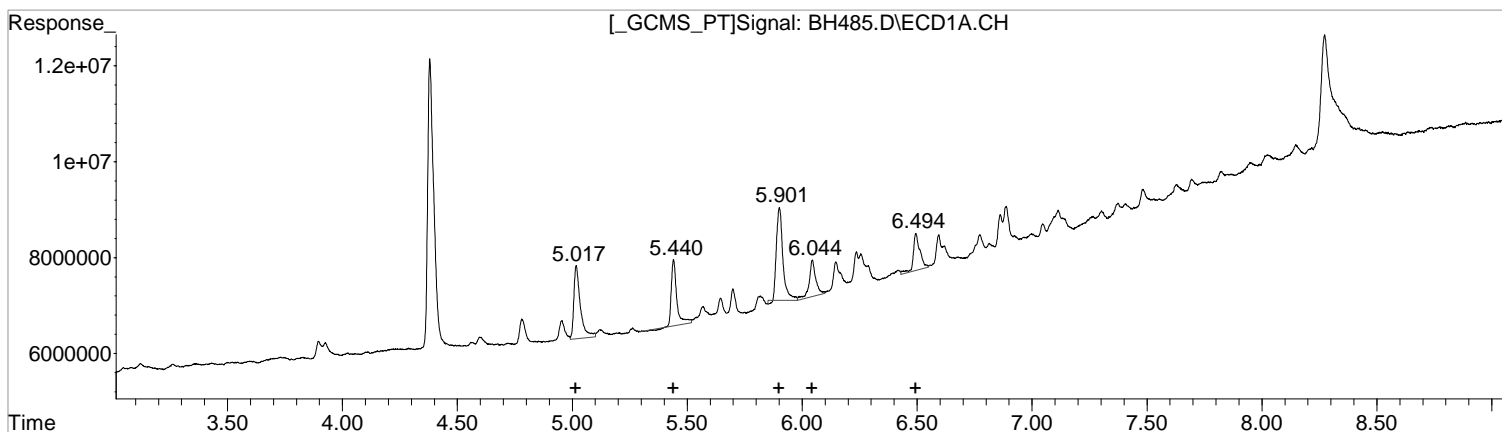
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:40 am
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:47 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	30112120	26.42
5.44	22106501	22.65
5.90	43632830	25.43
6.04	15477997	20.47
6.49	15570745	23.74

(13) PCB 1232 #2 (L3c)

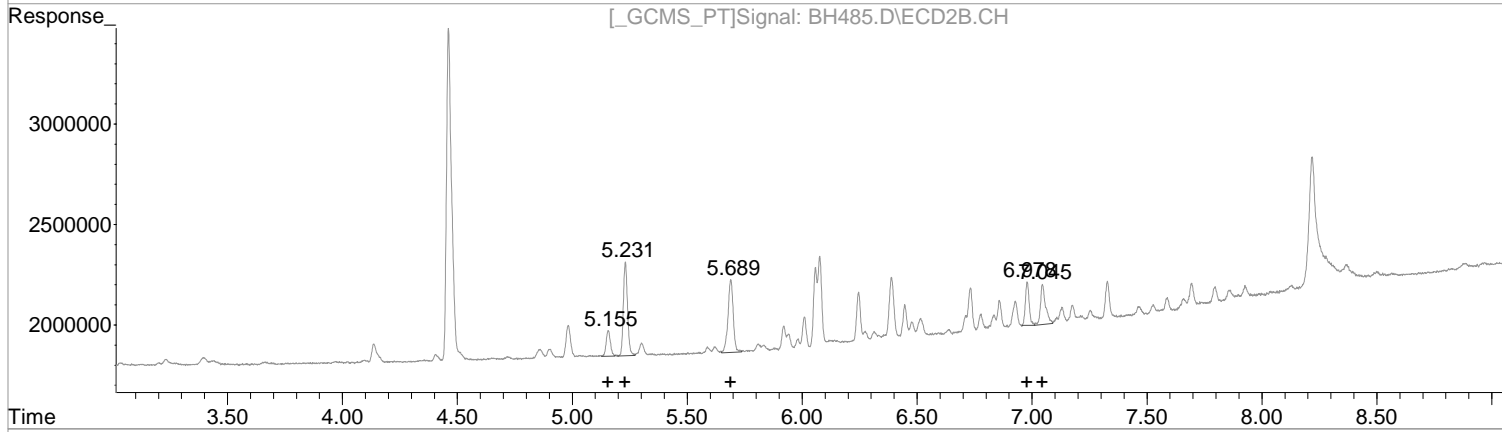
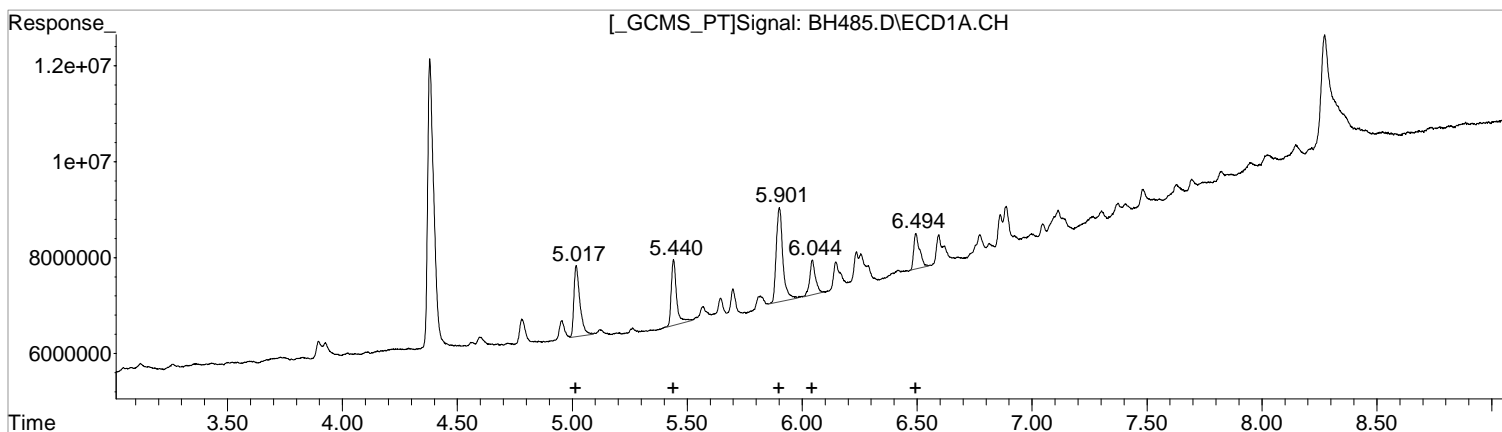
R.T.	Response	Conc
5.16	1790960	23.78
5.23	5900270	24.66
5.69	5735701	24.84
6.98	2575609	23.38
7.05	3080873	21.39

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:40 am
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:47 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	26573626	23.32
5.44	21808936	22.34
5.90	38460935	22.42
6.04	12490044	16.52
6.49	13143394	20.04

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	1643533	21.82
5.23	5900270	24.66
5.69	5735701	24.84
6.98	2575609	23.38
7.05	3080873	21.39

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH484.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 4:20 am
 Operator :
 Sample : 1221/54 H
 Misc : INITIAL CAL.
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:44 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

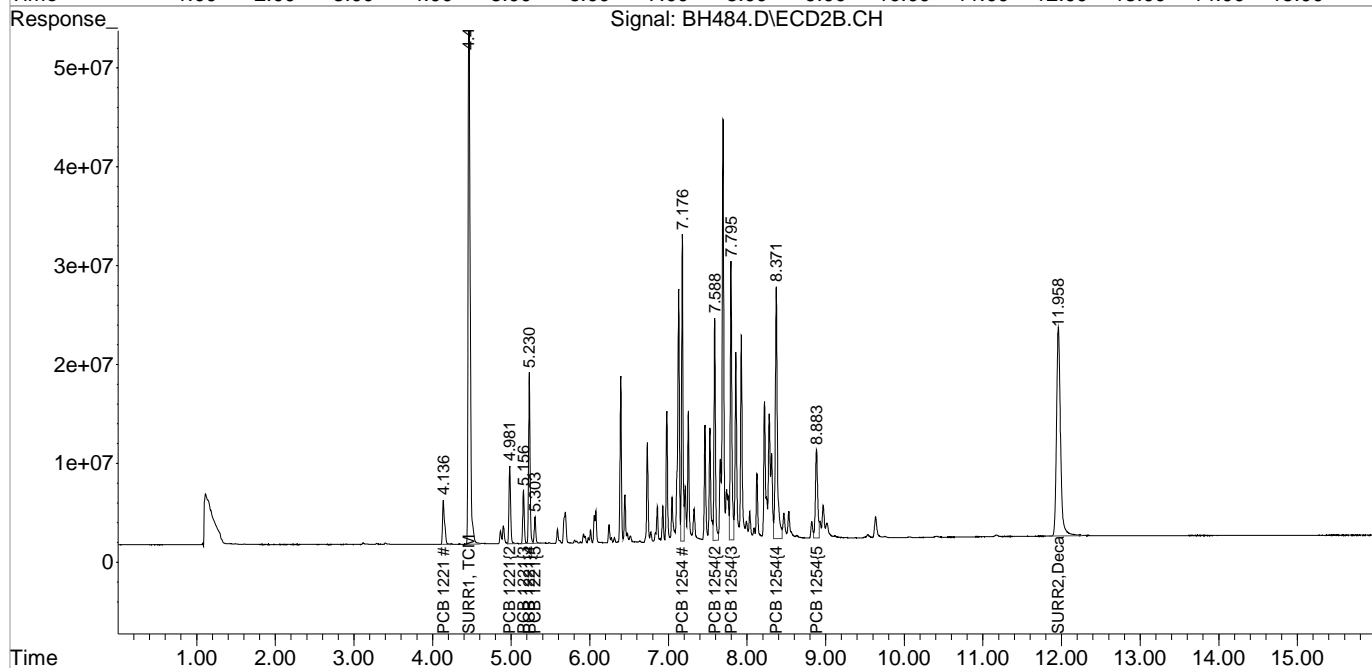
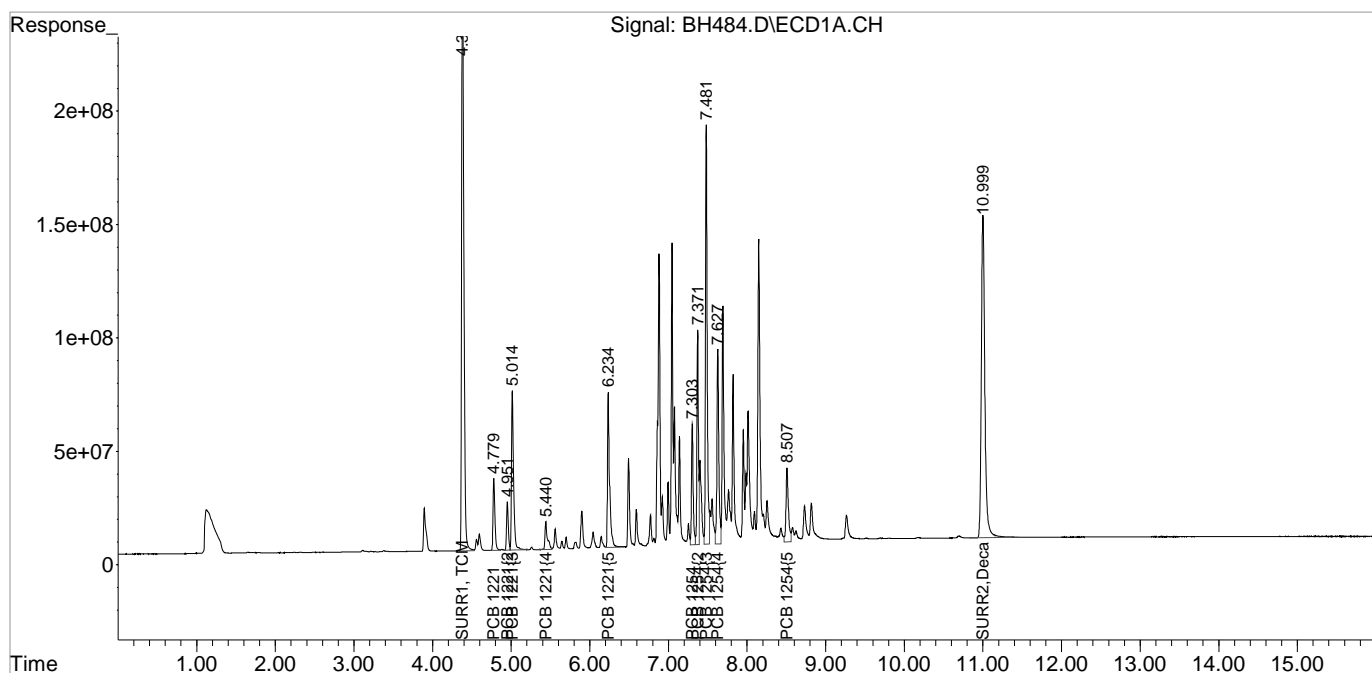
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5266.5E6	1053.4E6	88.292	82.415
Spiked Amount	100.000	Range	30 - 150	Recovery	= 88.29%	82.42%
2) S SURR2, Dec...	10.999	11.958	4428.2E6	746.4E6	78.095	75.720
Spiked Amount	100.000	Range	30 - 150	Recovery	= 78.09%	75.72%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.137	535.7E6	81304021	874.128	714.842
9) L2c PCB 1221{2}	4.952	4.982	331.9E6	114.1E6	849.109	826.058
10) L2c PCB 1221{3}	5.015	5.156	1287.8E6	74095262	882.340	767.951
11) L2c PCB 1221{4}	5.441	5.231	264.4E6	224.5E6	922.297	789.350
12) L2c PCB 1221{5}	6.235	5.303	1254.5E6	37119937	880.589	838.888
Sum PCB 1221			3674.1E6	531.1E6	4408.463	3937.089
Average PCB 1221					881.693	787.418
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.177	788.0E6	376.8E6	902.151	800.974
29) L6c PCB 1254{2}	7.372	7.588	1235.2E6	287.7E6	919.254	899.361
30) L6c PCB 1254{3}	7.481	7.795	2717.7E6	391.9E6	968.795m	810.423
31) L6c PCB 1254{4}	7.628	8.372	1415.8E6	463.9E6	863.141	773.829
32) L6c PCB 1254{5}	8.507	8.883	695.7E6	178.0E6	790.814	832.044
Sum PCB 1254			6852.4E6	1698.4E6	4444.156	4116.631
Average PCB 1254					888.831	823.326
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

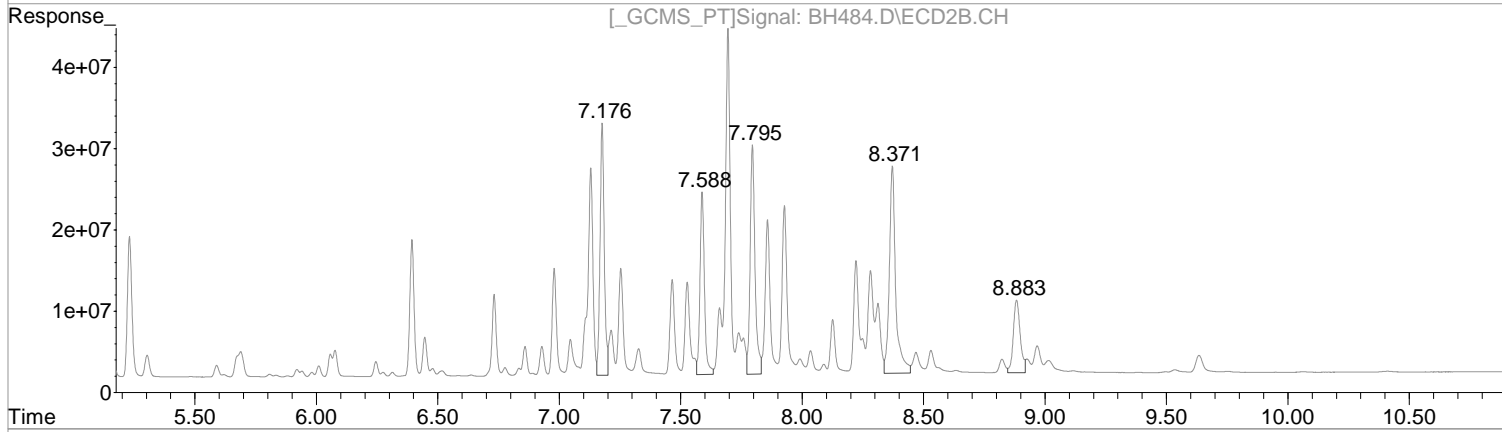
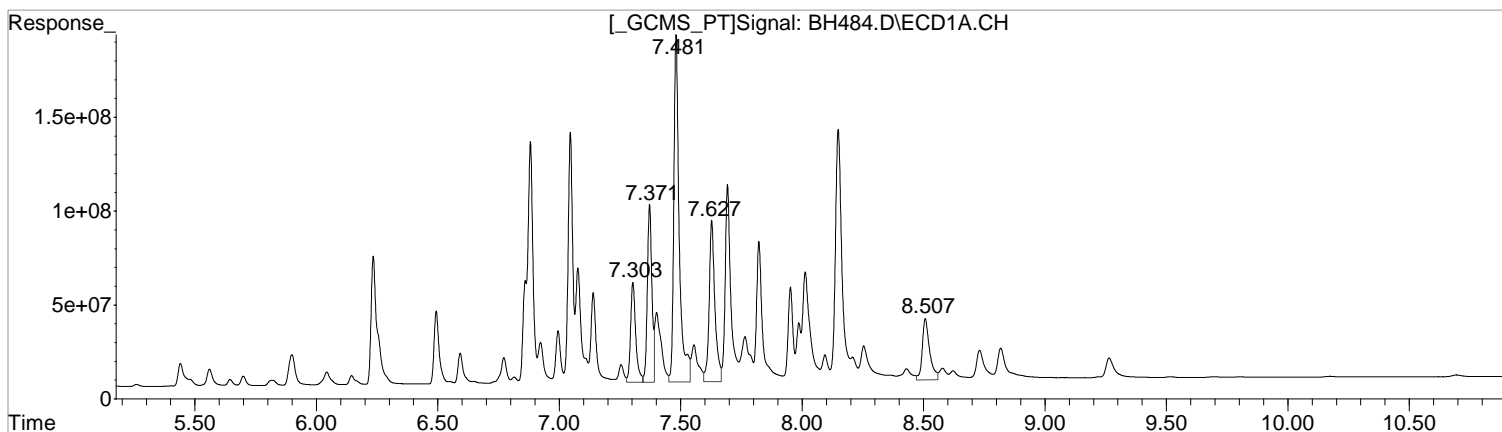
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	788024323	902.15
7.37	1235231381	919.25
7.48	2866682791	1021.89
7.63	1415767043	863.14
8.51	695676768	790.81

(28) PCB 1254 #2 (L6c)

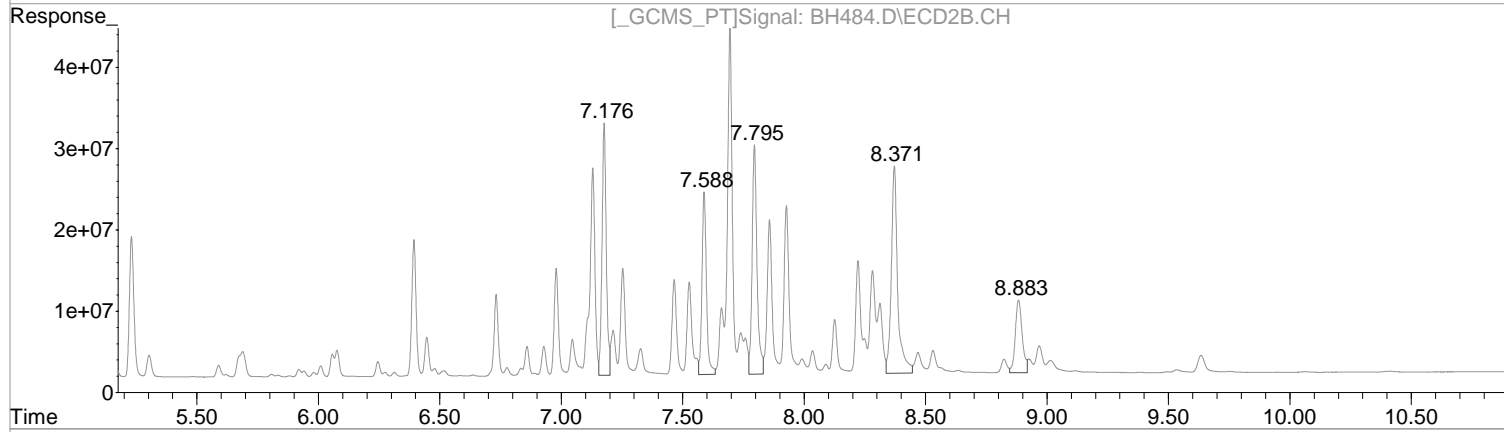
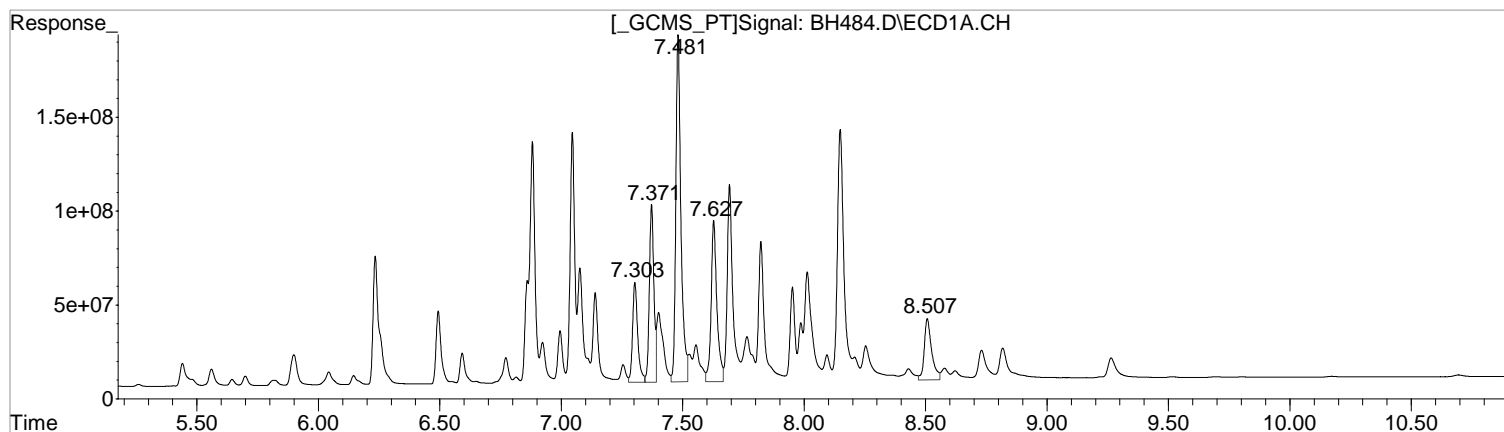
R.T.	Response	Conc
7.18	376785235	800.97
7.59	287720408	899.36
7.80	391945999	810.42
8.37	463915203	773.83
8.88	177994042	832.04

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	788024323	902.15
7.37	1235231381	919.25
7.48	2717735658	968.79
7.63	1415767043	863.14
8.51	695676768	790.81

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	376785235	800.97
7.59	287720408	899.36
7.80	391945999	810.42
8.37	463915203	773.83
8.88	177994042	832.04

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH483.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:59 am
 Operator :
 Sample : 1221/54 MH
 Misc : INITIAL CAL.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:41 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

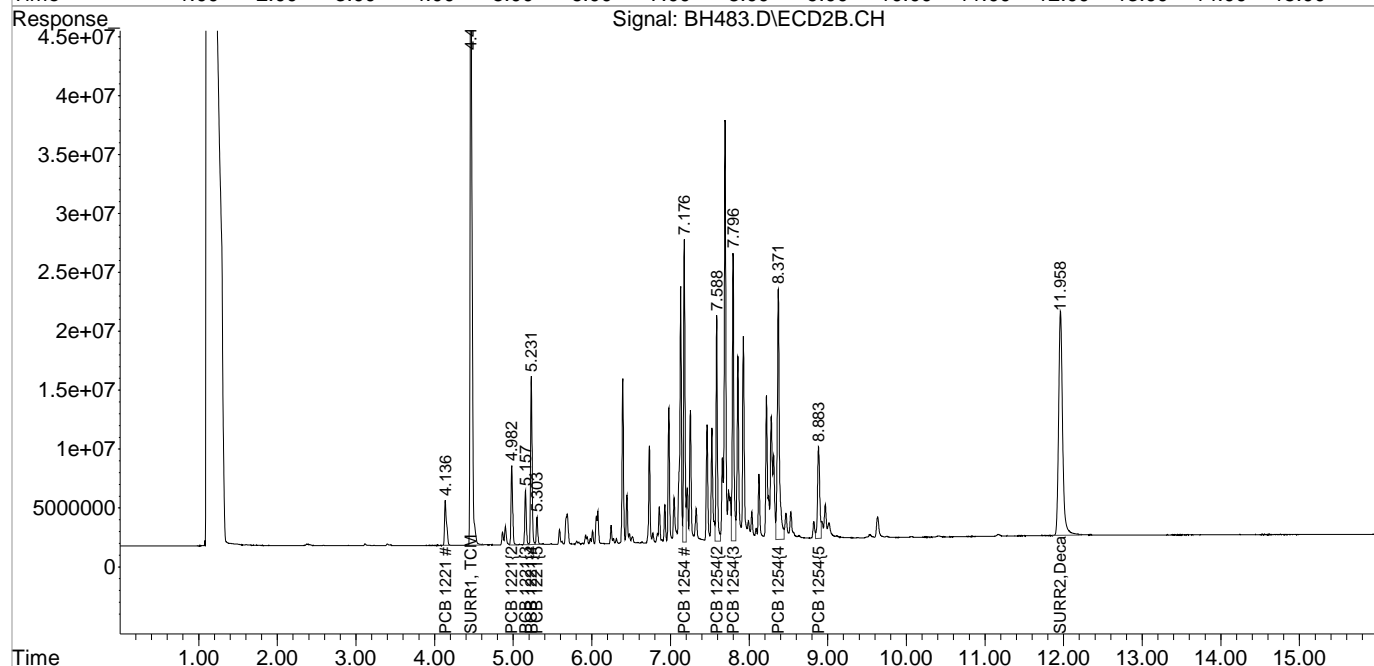
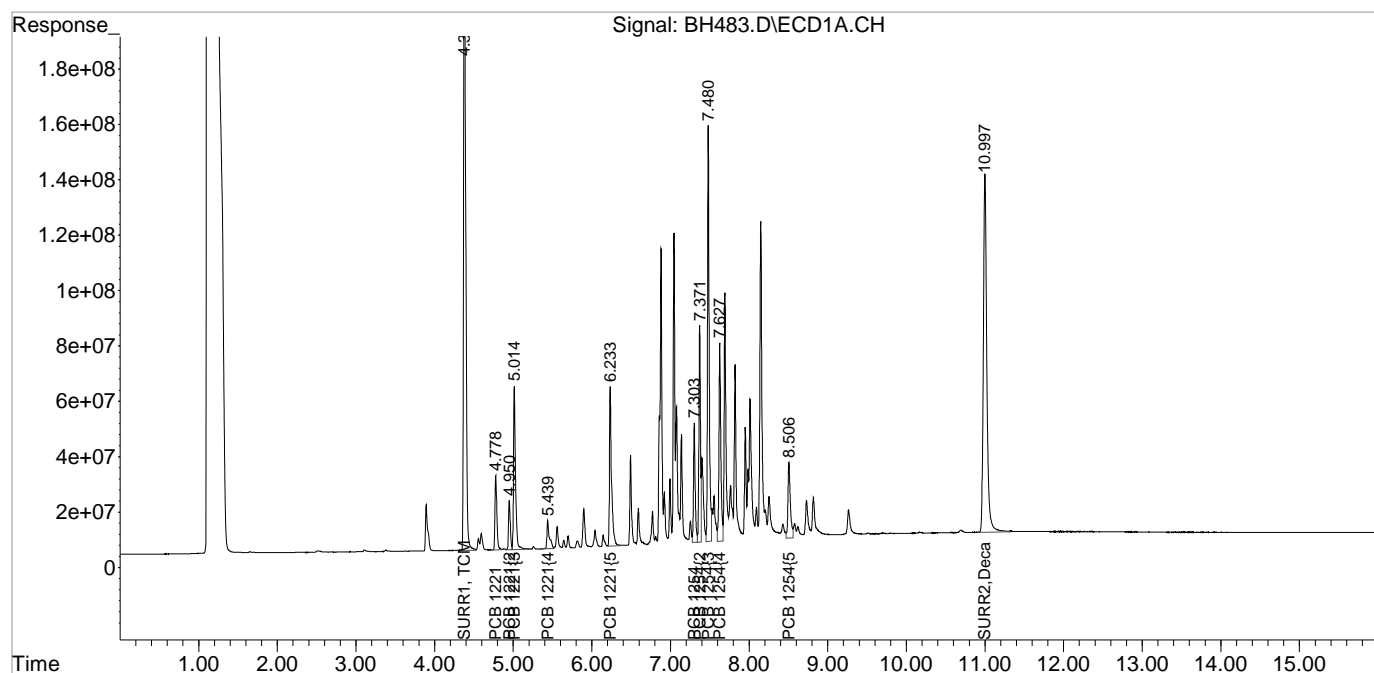
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.462	4601.6E6	929.4E6	77.145	72.718
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.14%	72.72%
2) S SURR2, Dec...	10.998	11.959	3949.8E6	665.6E6	69.657	67.520
Spiked Amount	100.000	Range	30 - 150	Recovery	= 69.66%	67.52%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.136	446.1E6	67804090	727.886	596.148
9) L2c PCB 1221{2}	4.951	4.982	277.7E6	95981162	710.570	694.844
10) L2c PCB 1221{3}	5.014	5.157	1076.8E6	62943546	737.772	652.371
11) L2c PCB 1221{4}	5.440	5.231	223.4E6	191.1E6	779.251	671.879
12) L2c PCB 1221{5}	6.234	5.303	1032.4E6	31279654	724.707	706.901
Sum PCB 1221			3056.3E6	449.1E6	3680.186	3322.143
Average PCB 1221					736.037	664.429
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.303	7.176	649.9E6	317.2E6	744.013	674.287
29) L6c PCB 1254{2}	7.372	7.588	1030.8E6	242.4E6	767.142	757.654
30) L6c PCB 1254{3}	7.480	7.796	2243.9E6	336.5E6	799.894m	695.819
31) L6c PCB 1254{4}	7.628	8.372	1174.4E6	395.0E6	716.014	658.875
32) L6c PCB 1254{5}	8.507	8.883	585.4E6	153.2E6	665.440	716.058
Sum PCB 1254			5684.5E6	1444.3E6	3692.503	3502.694
Average PCB 1254					738.501	700.539
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:59 am
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:41 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

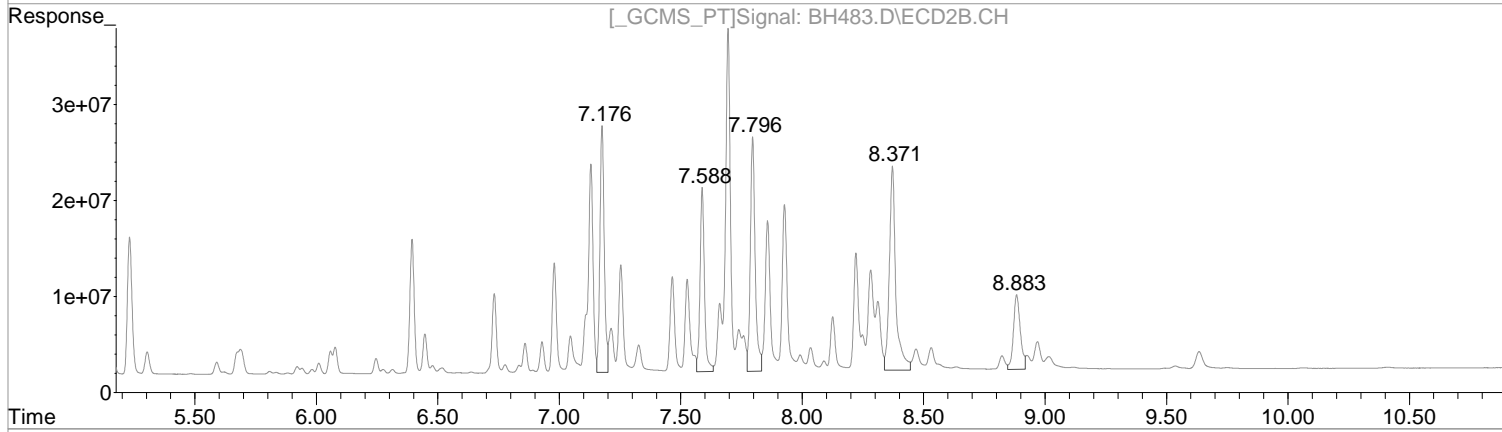
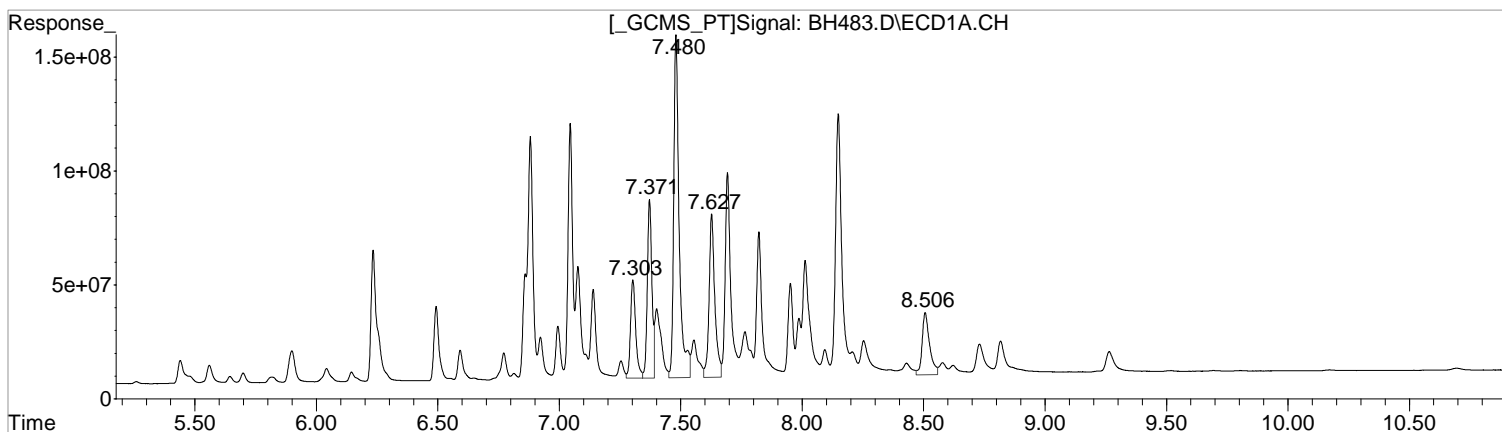
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:59 am
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:41 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	649891386	744.01
7.37	1030833350	767.14
7.48	2369300315	844.59
7.63	1174441720	716.01
8.51	585385888	665.44

Manual Integration:
Before
04/22/19

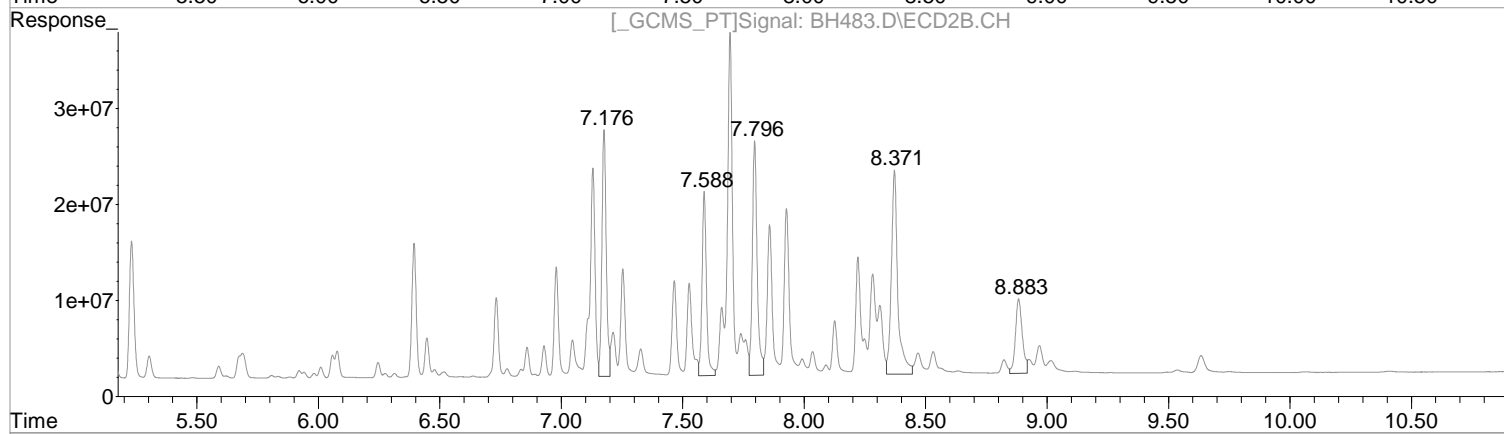
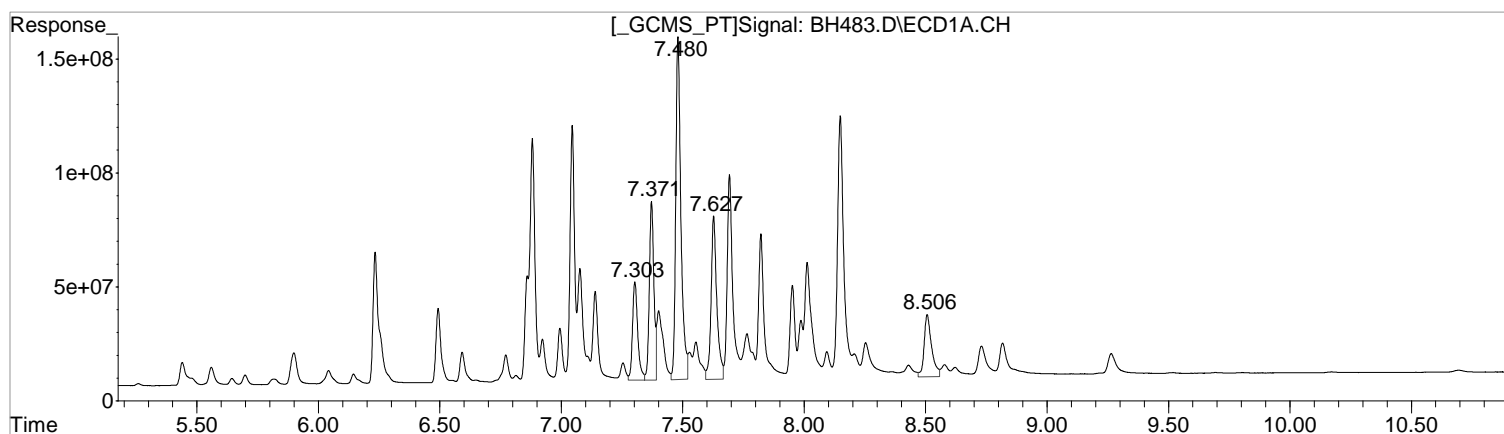
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	317190811	674.29
7.59	242386070	757.65
7.80	336519829	695.82
8.37	394999755	658.88
8.88	153181976	716.06

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH483.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:59 am
 Operator :
 Sample : 1221/54 MH
 Misc : INITIAL CAL.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:41 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	649891386	744.01
7.37	1030833350	767.14
7.48	2243921803	799.89
7.63	1174441720	716.01
8.51	585385888	665.44

Manual Integration:
 After
 Poor integration.
 04/22/19

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	317190811	674.29
7.59	242386070	757.65
7.80	336519829	695.82
8.37	394999755	658.88
8.88	153181976	716.06

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH482.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:40 am
 Operator :
 Sample : 1221/54 M
 Misc : INITIAL CAL.
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:38 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

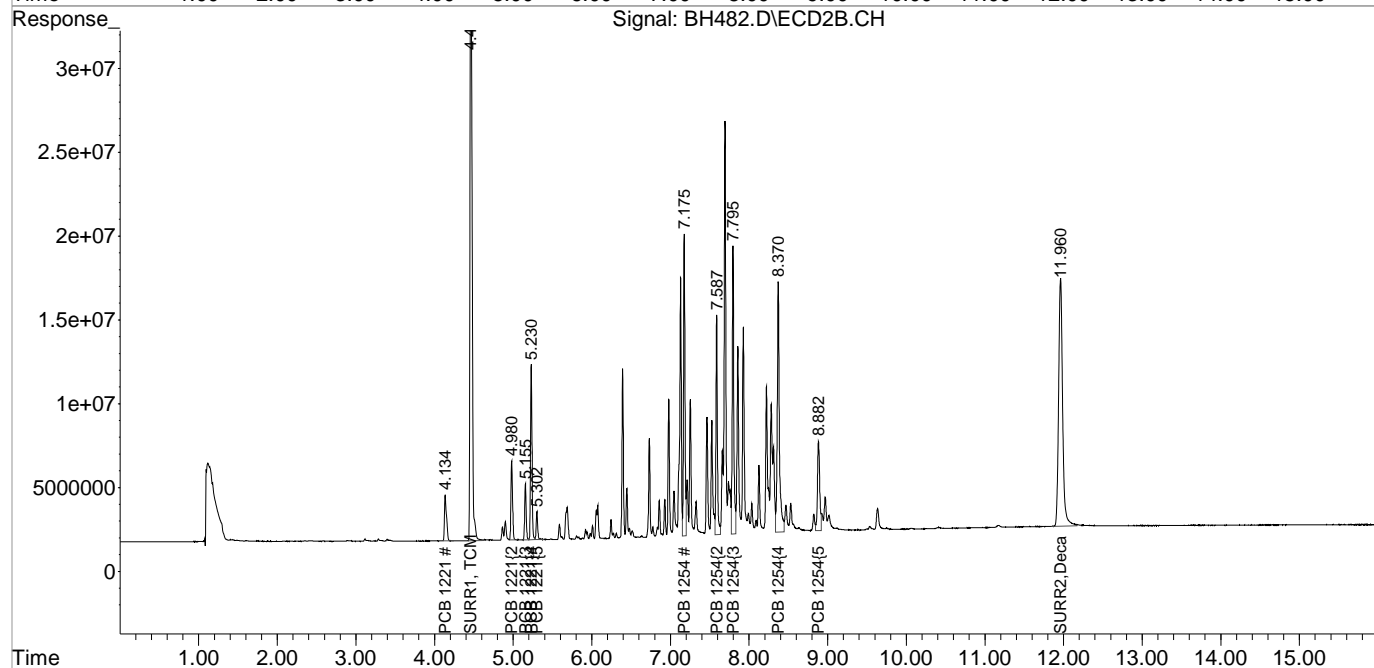
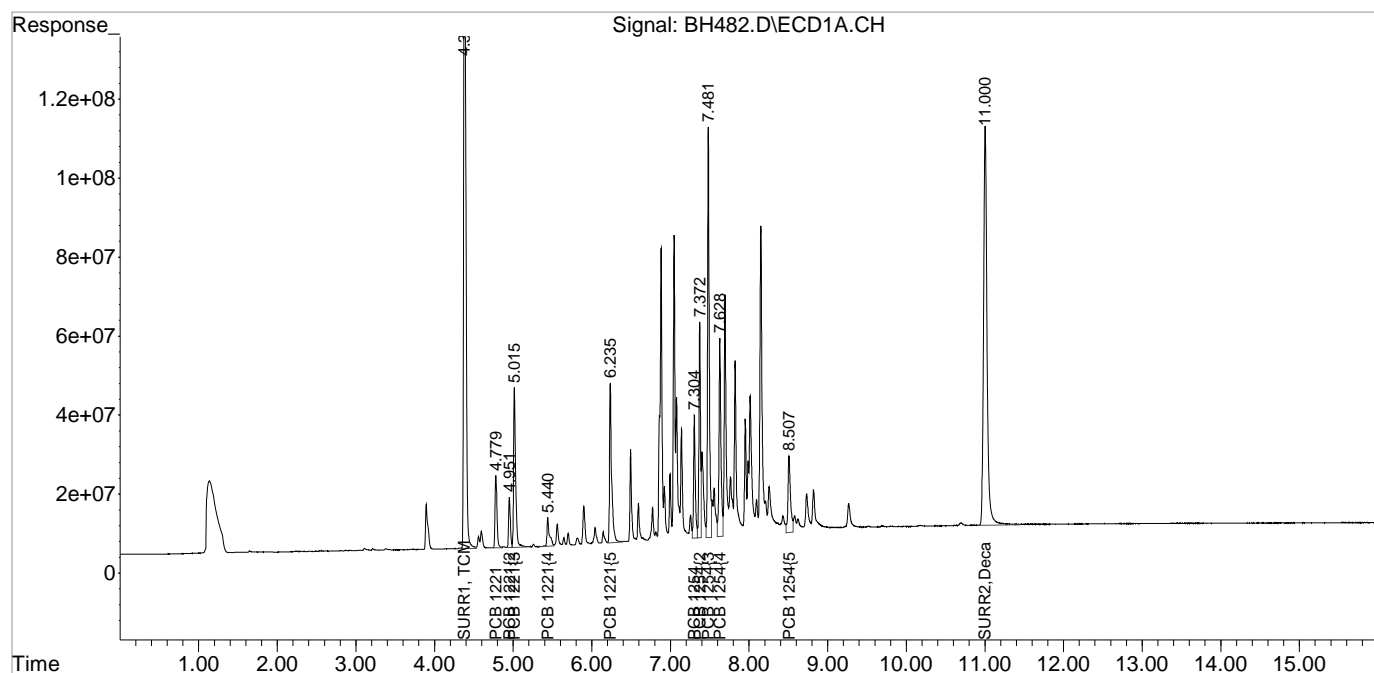
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.461	3593.0E6	734.8E6	60.235	57.487
Spiked Amount	100.000	Range	30 - 150	Recovery	= 60.23%	57.49%
2) S SURR2, Dec...	11.001	11.961	3105.6E6	521.3E6	54.769	52.885
Spiked Amount	100.000	Range	30 - 150	Recovery	= 54.77%	52.88%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.780	4.135	313.7E6	50145441	511.933	440.889
9) L2c PCB 1221{2}	4.952	4.981	197.1E6	67907615	504.180	491.609
10) L2c PCB 1221{3}	5.016	5.156	760.5E6	44938181	521.101	465.756
11) L2c PCB 1221{4}	5.441	5.230	158.3E6	137.2E6	552.212	482.288
12) L2c PCB 1221{5}	6.235	5.303	735.6E6	22351321	516.364	505.126
Sum PCB 1221			2165.2E6	322.5E6	2605.791	2385.669
Average PCB 1221					521.158	477.134
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	471.3E6	226.2E6	539.502	480.900
29) L6c PCB 1254{2}	7.372	7.588	726.7E6	172.9E6	540.790	540.489
30) L6c PCB 1254{3}	7.481	7.795	1587.8E6	237.9E6	565.988m	491.950
31) L6c PCB 1254{4}	7.628	8.371	855.5E6	281.1E6	521.552	468.894
32) L6c PCB 1254{5}	8.508	8.882	439.8E6	106.1E6	499.986	496.029
Sum PCB 1254			4081.0E6	1024.3E6	2667.818	2478.263
Average PCB 1254					533.564	495.653
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

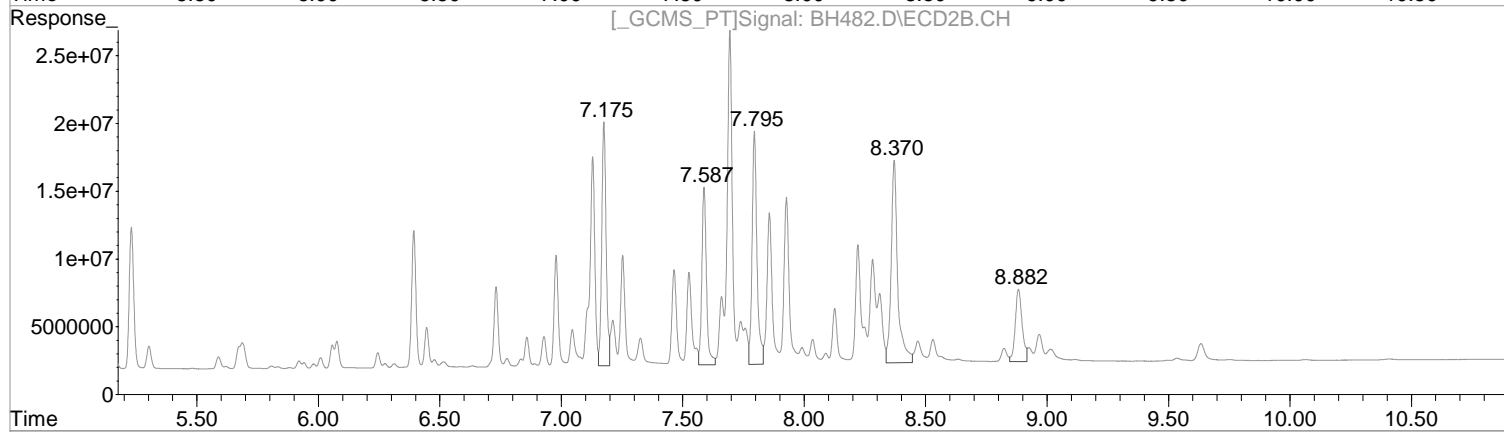
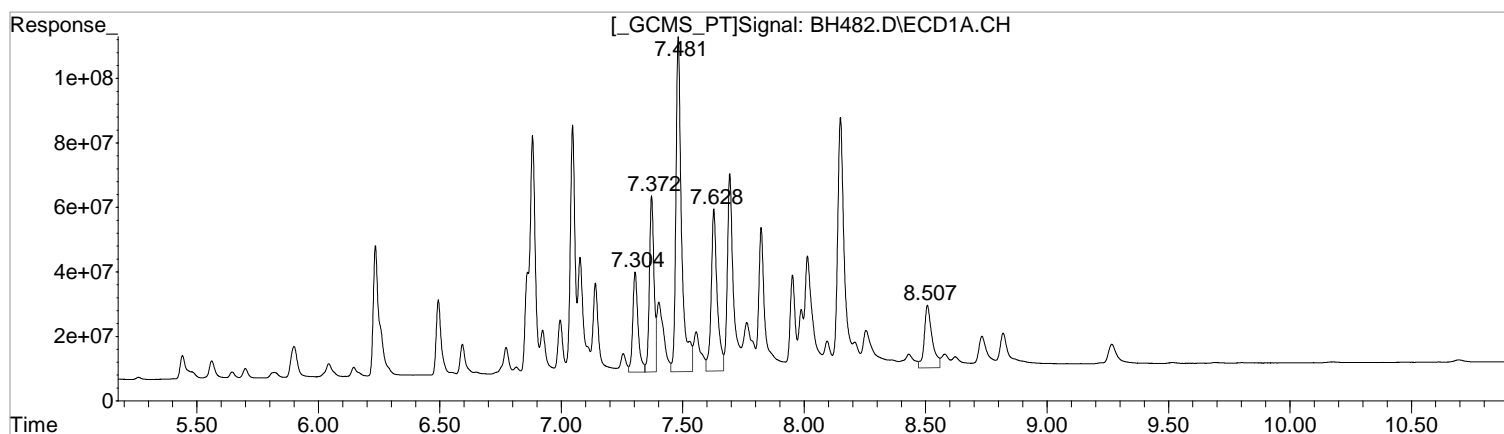
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	471252439	539.50
7.37	726677031	540.79
7.48	1676762003	597.72
7.63	855474765	521.55
8.51	439836400	499.99

Manual Integration:
Before
04/22/19

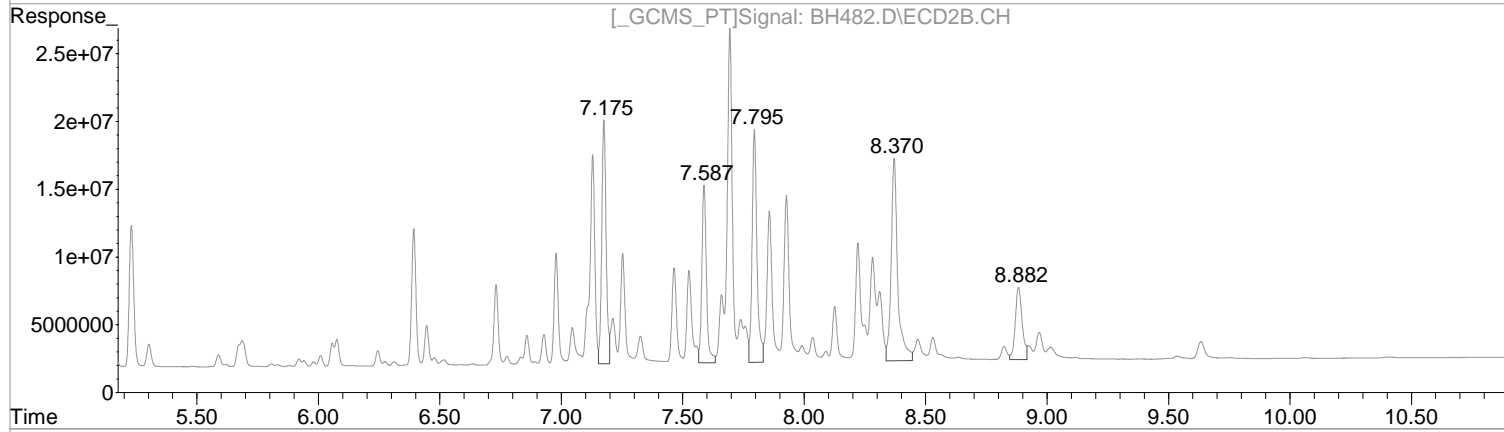
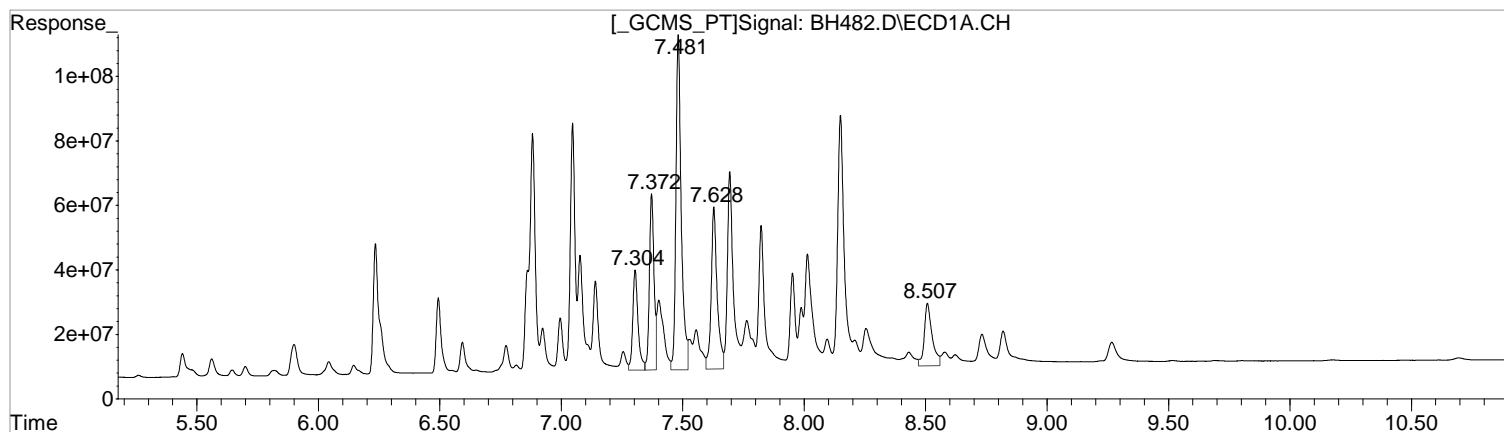
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	226219689	480.90
7.59	172911407	540.49
7.80	237922395	491.95
8.37	281105023	468.89
8.88	106112427	496.03

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	471252439	539.50
7.37	726677031	540.79
7.48	1587751155	565.99
7.63	855474765	521.55
8.51	439836400	499.99

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	226219689	480.90
7.59	172911407	540.49
7.80	237922395	491.95
8.37	281105023	468.89
8.88	106112427	496.03

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH481.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:19 am
 Operator :
 Sample : 1221/54 ML
 Misc : INITIAL CAL.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:35 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

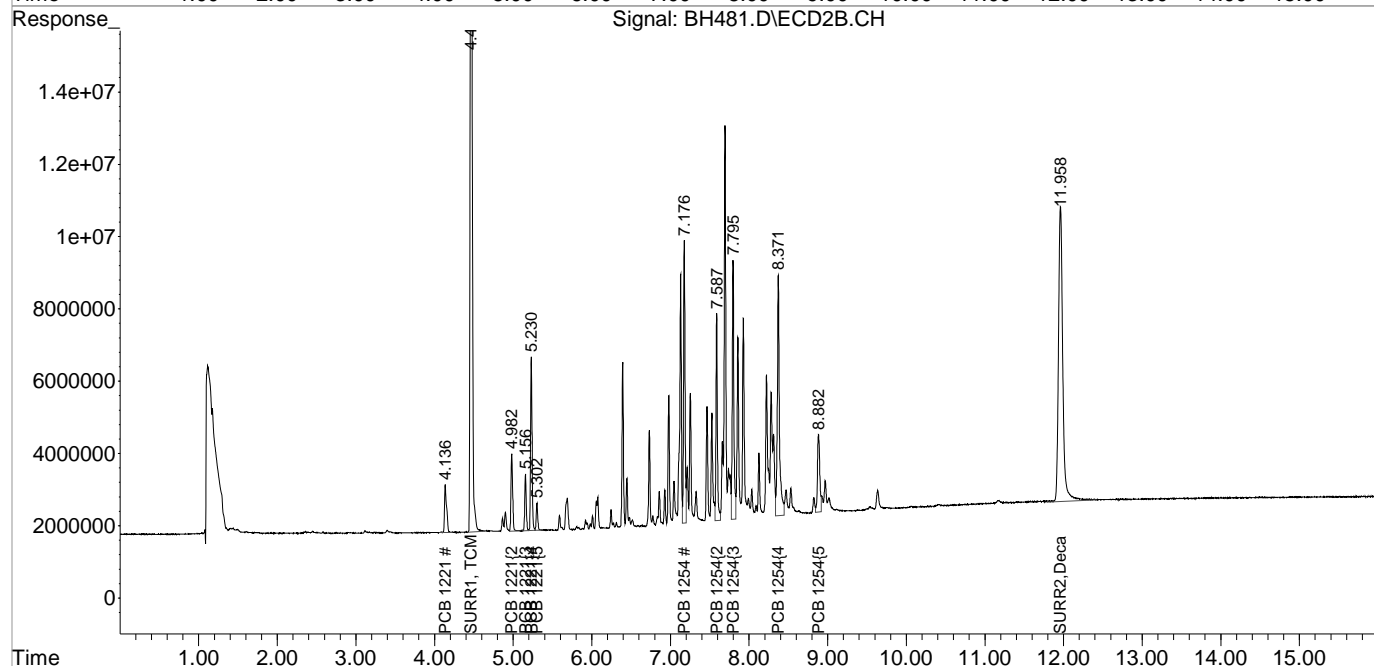
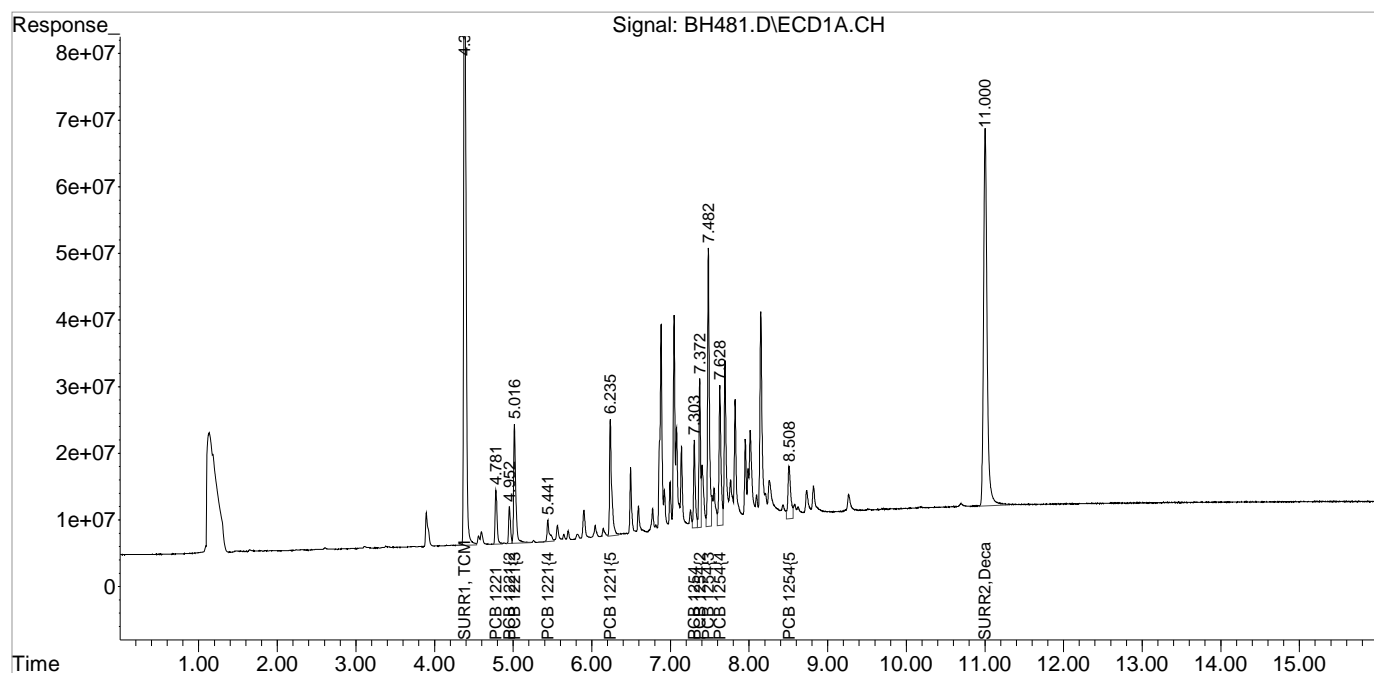
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	2032.0E6	426.1E6	34.067	33.339
Spiked Amount	100.000	Range	30 - 150	Recovery	= 34.07%	33.34%
2) S SURR2, Dec...	11.001	11.959	1764.3E6	309.1E6	31.115	31.360
Spiked Amount	100.000	Range	30 - 150	Recovery	= 31.11%	31.36%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.781	4.136	140.7E6	24435795	229.613	214.845
9) L2c PCB 1221{2}	4.953	4.982	88745587	31947150	227.065	231.278
10) L2c PCB 1221{3}	5.016	5.157	343.1E6	20922377	235.076	216.847
11) L2c PCB 1221{4}	5.441	5.231	70698944	63761648	246.642	224.194
12) L2c PCB 1221{5}	6.235	5.303	325.5E6	10296336	228.489	232.691
Sum PCB 1221			968.7E6	151.4E6	1166.885	1119.855
Average PCB 1221					233.377	223.971
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	206.4E6	100.8E6	236.336	214.236
29) L6c PCB 1254{2}	7.372	7.588	304.1E6	74726930	226.319	233.583
30) L6c PCB 1254{3}	7.482	7.796	657.5E6	103.9E6	234.363m	214.788
31) L6c PCB 1254{4}	7.629	8.372	373.8E6	123.9E6	227.920	206.650
32) L6c PCB 1254{5}	8.508	8.883	199.3E6	44289064	226.553	207.032
Sum PCB 1254			1741.1E6	447.6E6	1151.491	1076.288
Average PCB 1254					230.298	215.258
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH481.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:19 am
Operator :
Sample : 1221/54 ML
Misc : INITIAL CAL.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:35 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

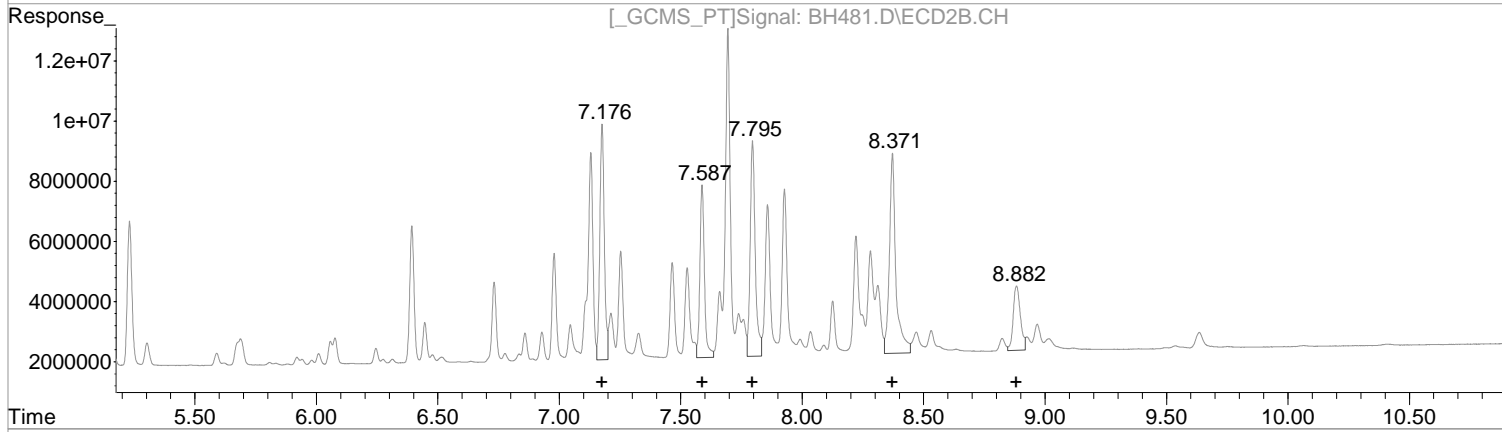
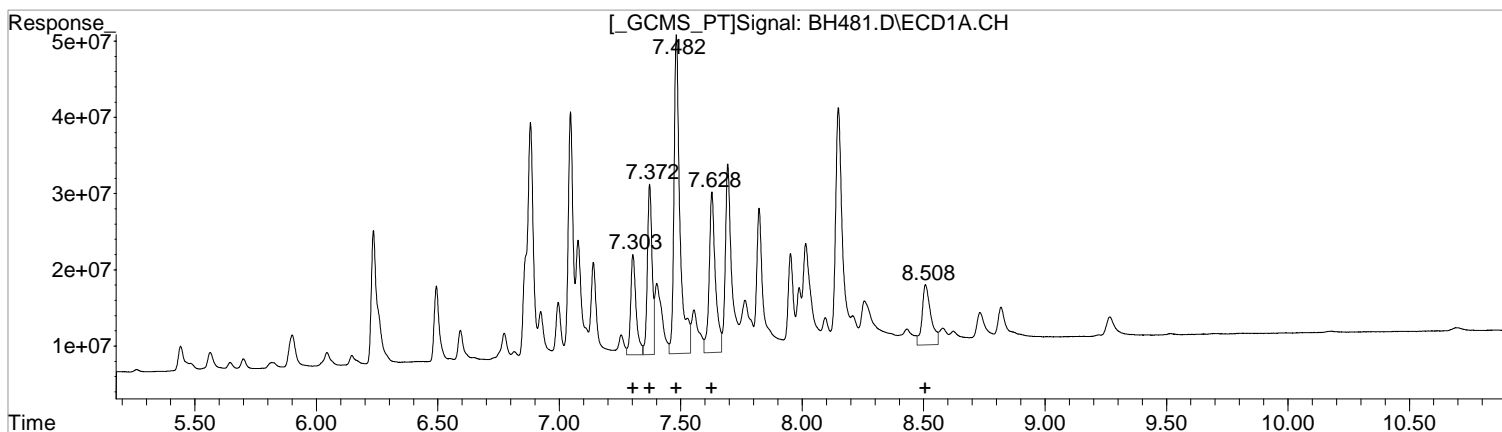
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH481.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:19 am
Operator :
Sample : 1221/54 ML
Misc : INITIAL CAL.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:35 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	206437993	236.34
7.37	304112471	226.32
7.48	708681621	252.62
7.63	373845832	227.92
8.51	199297589	226.55

(28) PCB 1254 #2 (L6c)

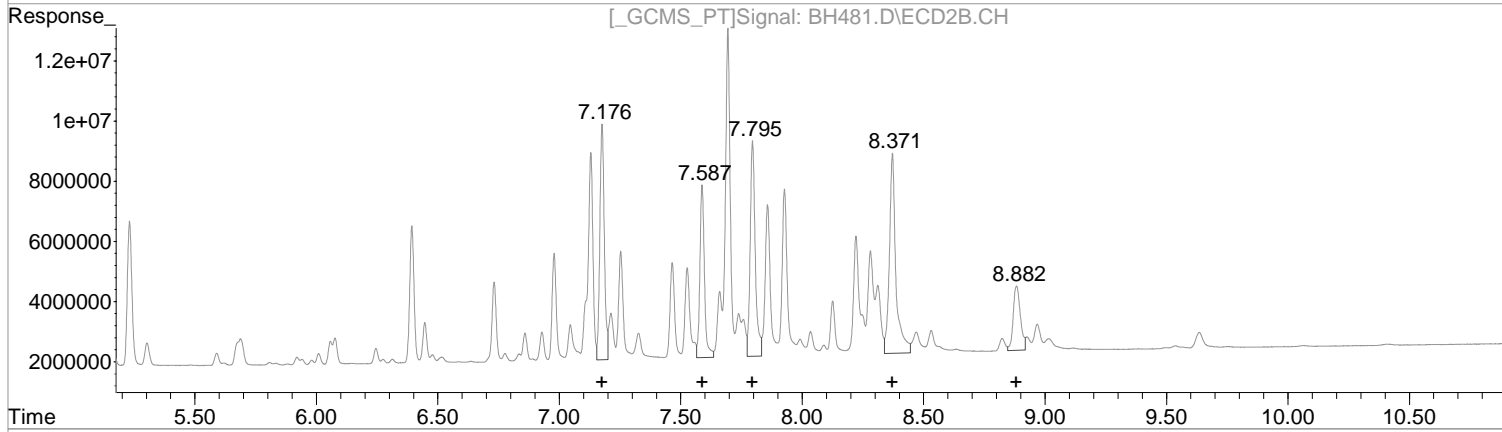
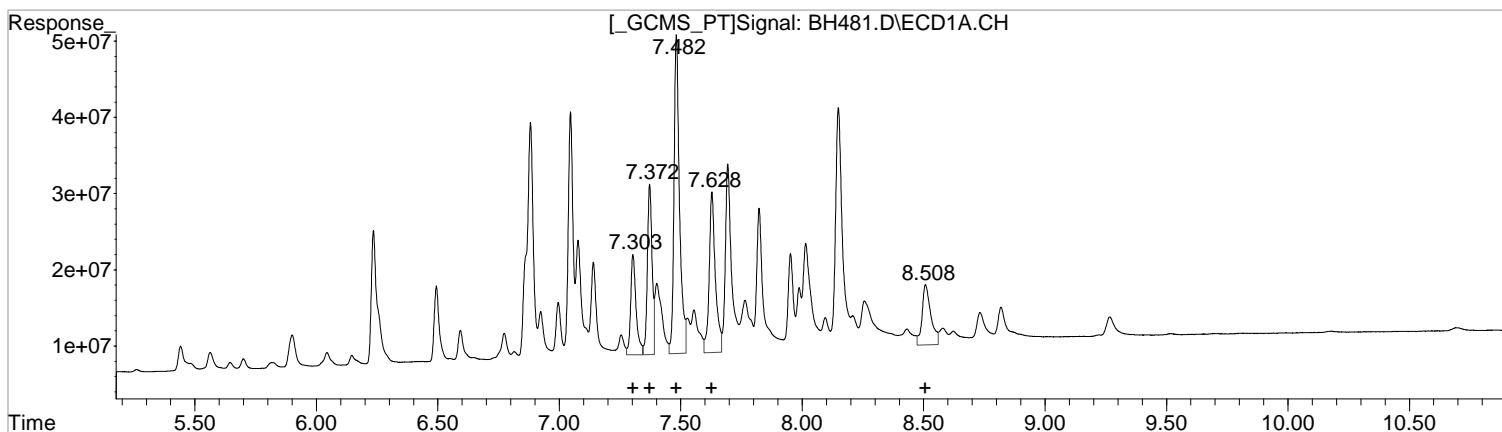
R.T.	Response	Conc
7.18	100778351	214.24
7.59	74726930	233.58
7.80	103878159	214.79
8.37	123888151	206.65
8.88	44289064	207.03

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH481.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:19 am
 Operator :
 Sample : 1221/54 ML
 Misc : INITIAL CAL.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:35 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	206437993	236.34
7.37	304112471	226.32
7.48	657452537	234.36
7.63	373845832	227.92
8.51	199297589	226.55

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	100778351	214.24
7.59	74726930	233.58
7.80	103878159	214.79
8.37	123888151	206.65
8.88	44289064	207.03

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH480.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:59 am
 Operator :
 Sample : 1221/54 L
 Misc : INITIAL CAL.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:32 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

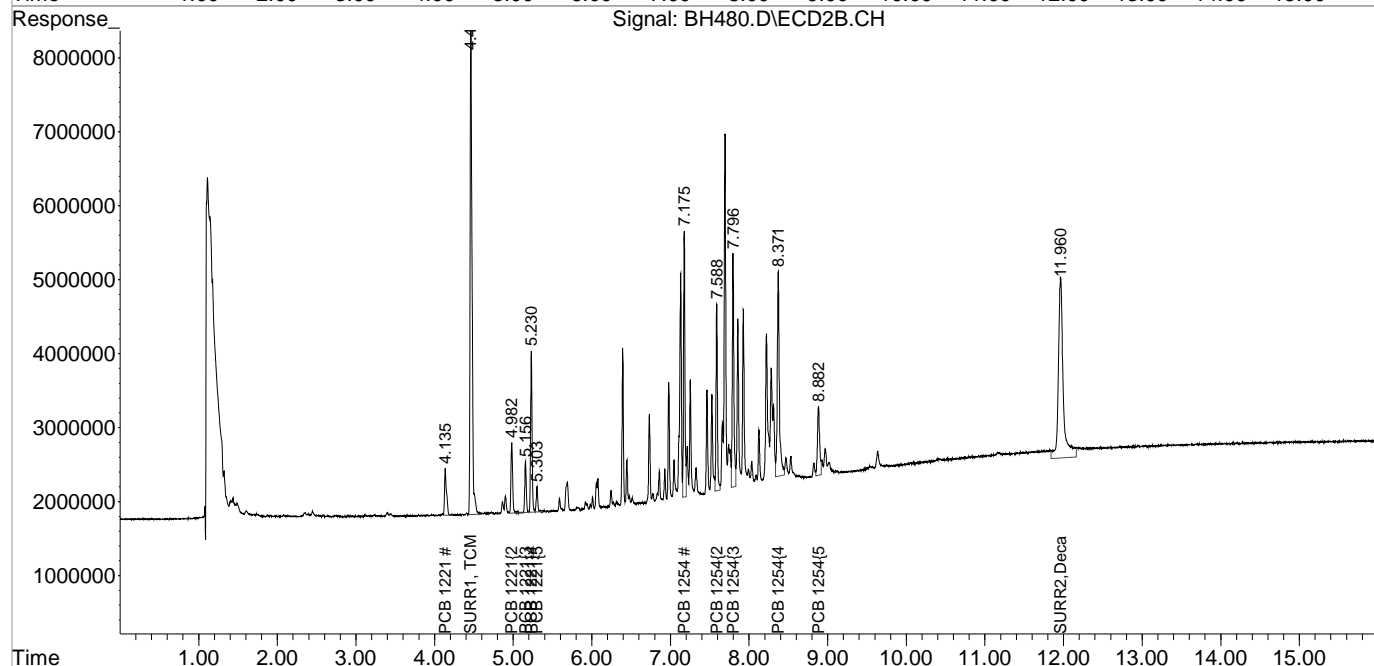
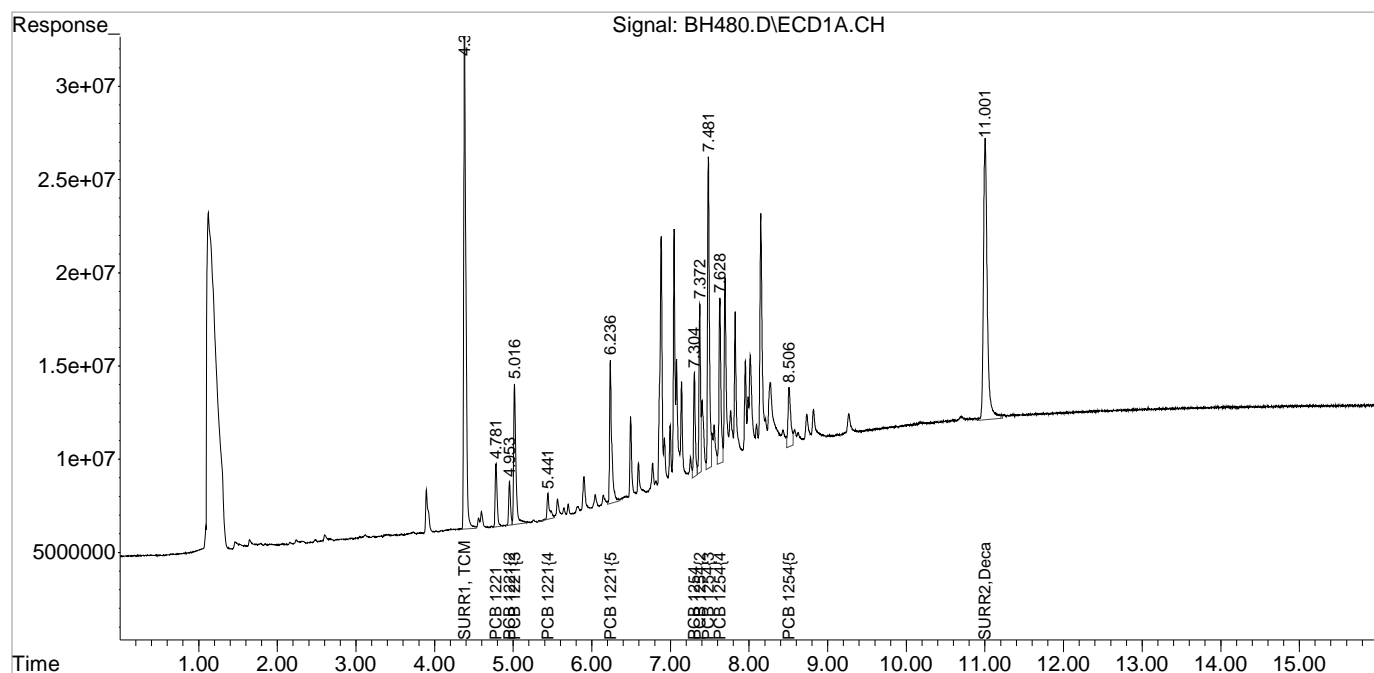
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	522.3E6	116.1E6	8.756	9.084
Spiked Amount	100.000	Range	30 - 150	Recovery	=	8.76%# 9.08%#
2) S SURR2, Dec...	11.001	11.962	507.7E6	104.7E6	8.953	10.620
Spiked Amount	100.000	Range	30 - 150	Recovery	=	8.95%# 10.62%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.782	4.136	59830051	11127281	97.629	97.833
9) L2c PCB 1221{2}	4.954	4.982	37890455	14266316	96.947	103.279
10) L2c PCB 1221{3}	5.017	5.157	149.8E6	9350222	102.634	96.909
11) L2c PCB 1221{4}	5.442	5.231	31079612	28516275	108.425	100.267
12) L2c PCB 1221{5}	6.236	5.303	145.6E6	4667510	102.223	105.483
Sum PCB 1221			424.2E6	67927604	507.858	503.772
Average PCB 1221					101.572	100.754
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	83836975	44754481	95.979m	95.139
29) L6c PCB 1254{2}	7.372	7.589	123.0E6	31416988	91.533m	98.204
30) L6c PCB 1254{3}	7.481	7.796	264.8E6	44115739	94.391m	91.218
31) L6c PCB 1254{4}	7.628	8.371	148.3E6	50538169	90.437m	84.300
32) L6c PCB 1254{5}	8.506	8.882	79999249	18376290	90.940m	85.901
Sum PCB 1254			700.0E6	189.2E6	463.279	454.762
Average PCB 1254					92.656	90.952
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:59 am
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:32 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

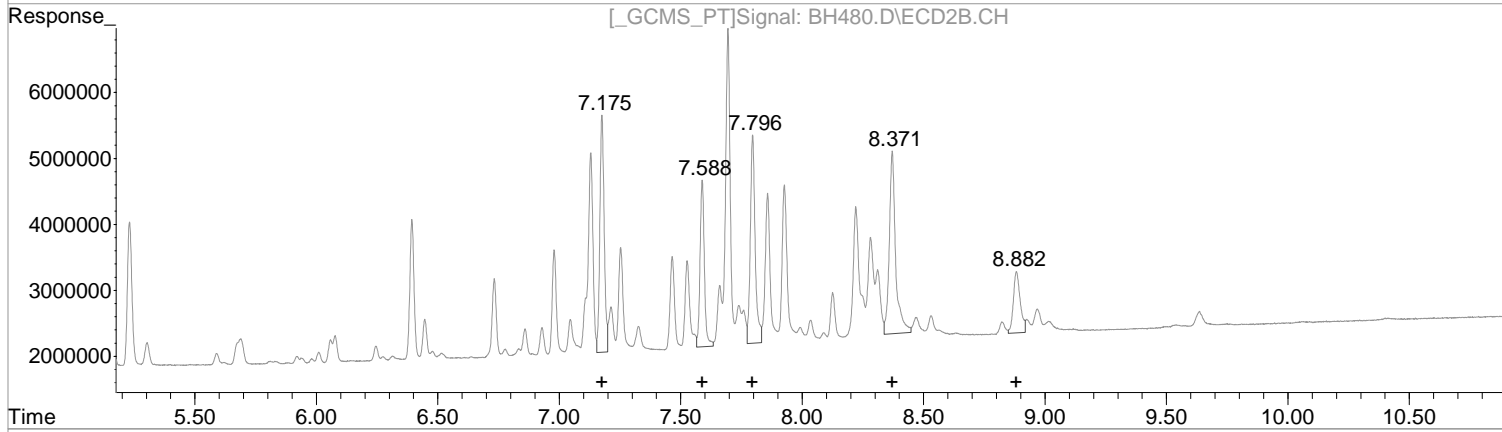
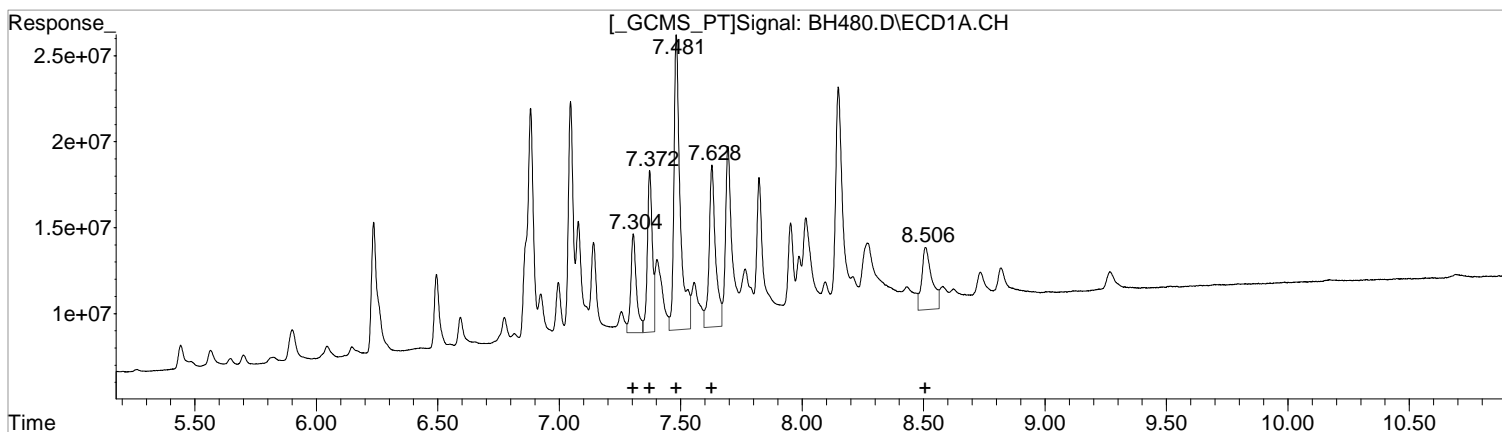
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH480.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:59 am
 Operator :
 Sample : 1221/54 L
 Misc : INITIAL CAL.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:32 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	93886726	107.48
7.37	133443007	99.31
7.48	309974597	110.50
7.63	173001708	105.47
8.51	105397016	119.81

Manual Integration:
 Before
 04/22/19

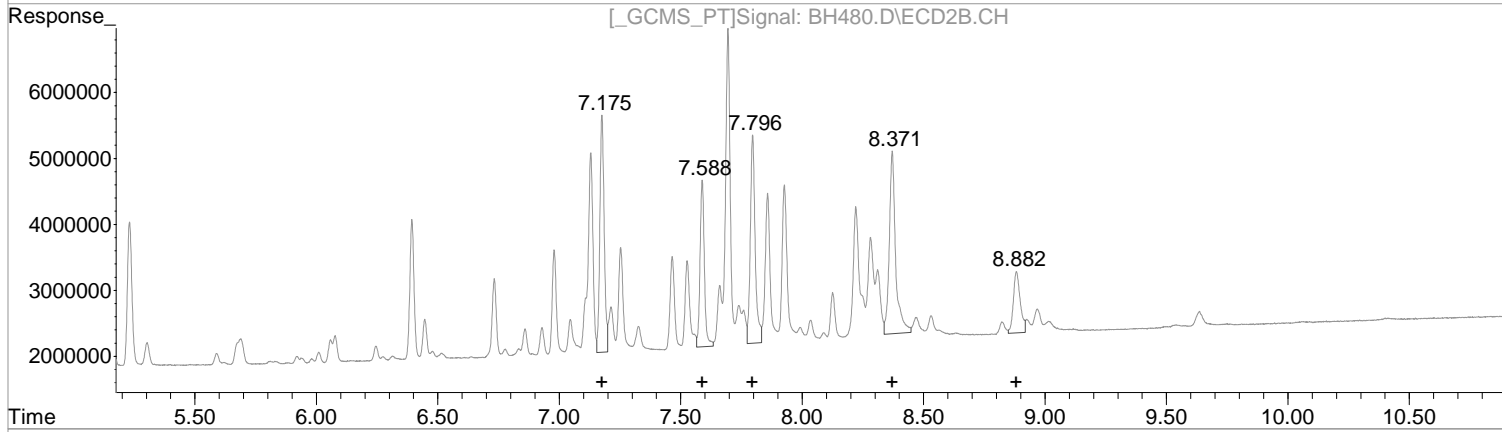
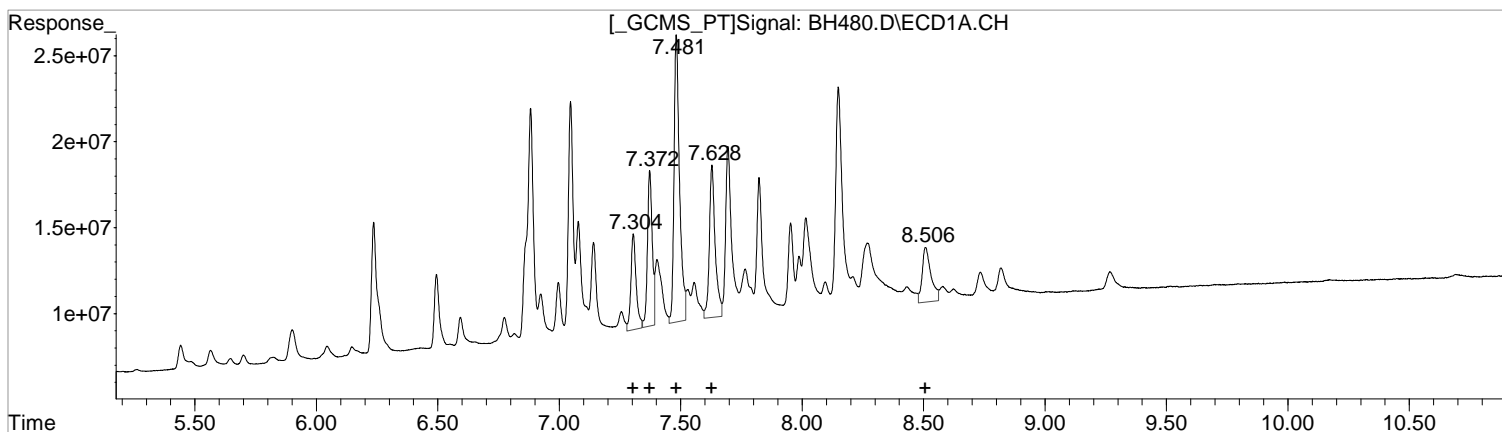
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	44754481	95.14
7.59	31416988	98.20
7.80	44115739	91.22
8.37	50538169	84.30
8.88	18376290	85.90

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:59 am
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:32 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	83836975	95.98
7.37	122995163	91.53
7.48	264791636	94.39
7.63	148339337	90.44
8.51	79999249	90.94

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	44754481	95.14
7.59	31416988	98.20
7.80	44115739	91.22
8.37	50538169	84.30
8.88	18376290	85.90

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

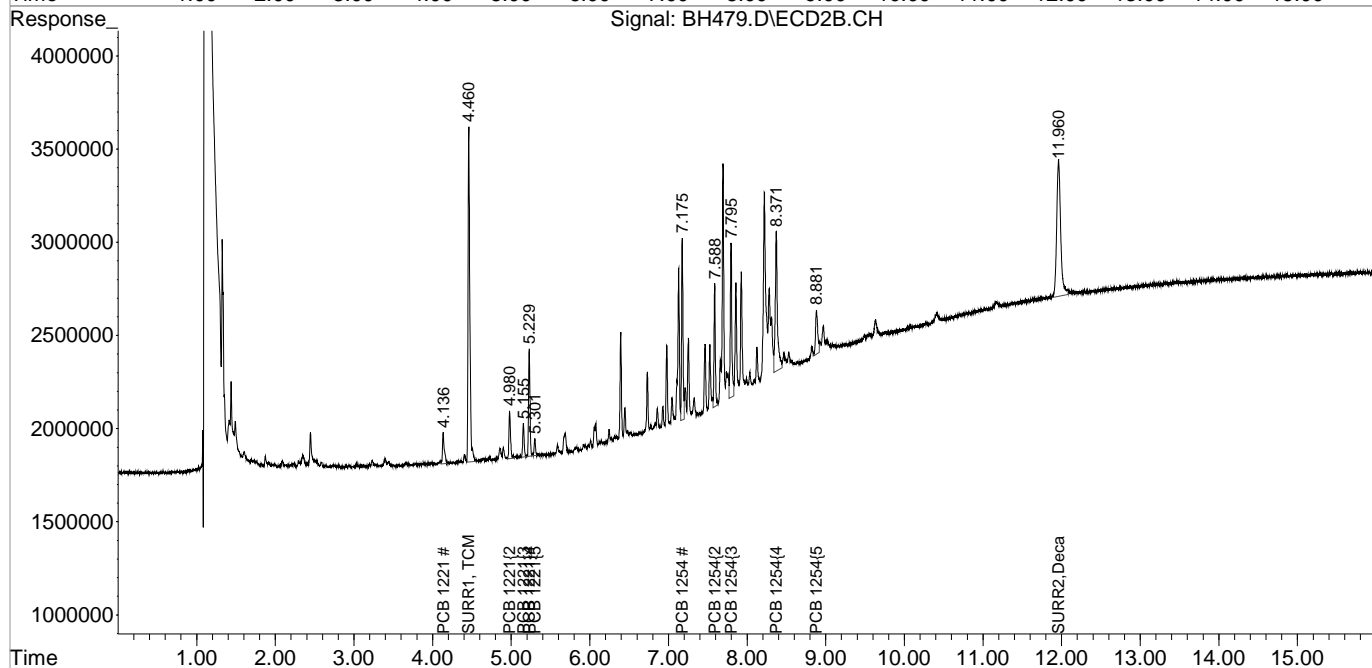
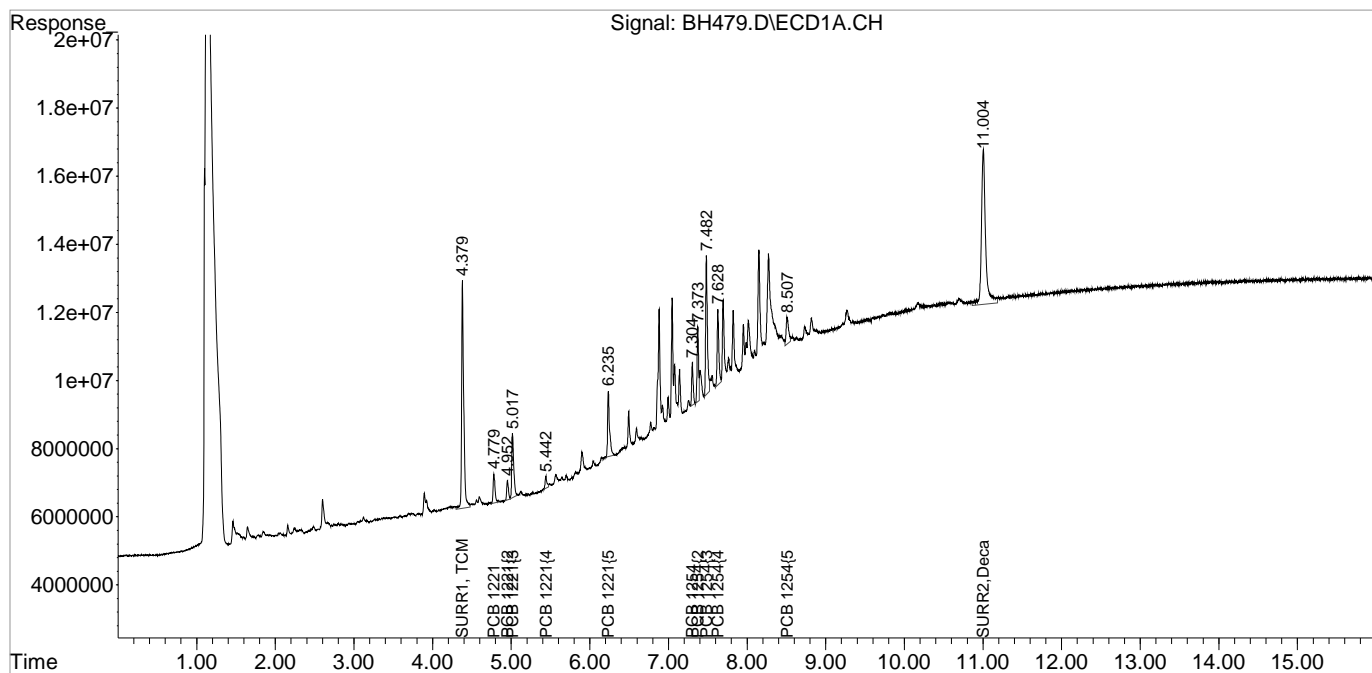
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	124.2E6	27809700	2.082	2.176
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.08%#	2.18%#
2) S SURR2, Dec...	11.004	11.960	166.0E6	25914891	2.928	2.629
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.93%#	2.63%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.136	14221937	2768065	23.207m	24.337m
9) L2c PCB 1221{2}	4.952	4.981	8703469	3657216	22.269m	26.476
10) L2c PCB 1221{3}	5.017	5.156	33848753	2334421	23.192m	24.195
11) L2c PCB 1221{4}	5.442	5.230	5721015	7396543	19.958m	26.007 #
12) L2c PCB 1221{5}	6.235	5.302	32719984	1146636	22.968m	25.913
Sum PCB 1221			95215159	17302881	111.595	126.929
Average PCB 1221					22.319	25.386
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	16778836	11774237	19.209m	25.030 #
29) L6c PCB 1254{2}	7.373	7.588	27962068	7910088	20.809m	24.725
30) L6c PCB 1254{3}	7.482	7.796	63320800	11561445	22.572m	23.905
31) L6c PCB 1254{4}	7.628	8.371	32700804	14587603	19.936m	24.333
32) L6c PCB 1254{5}	8.507	8.882	16915682	4616958	19.229m	21.582
Sum PCB 1254			157.7E6	50450331	101.756	119.576
Average PCB 1254					20.351	23.915
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

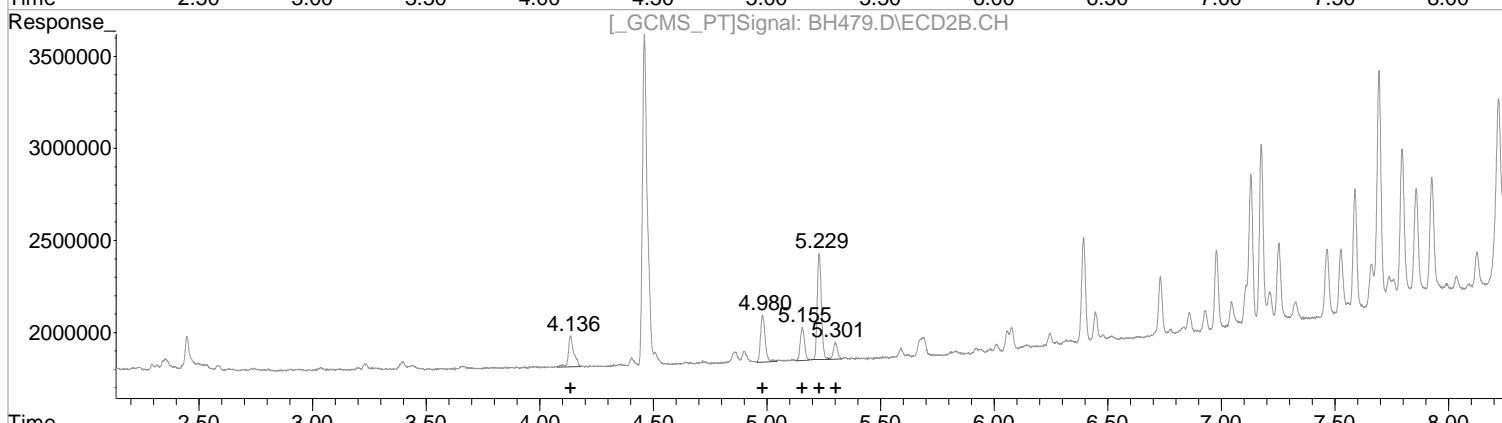
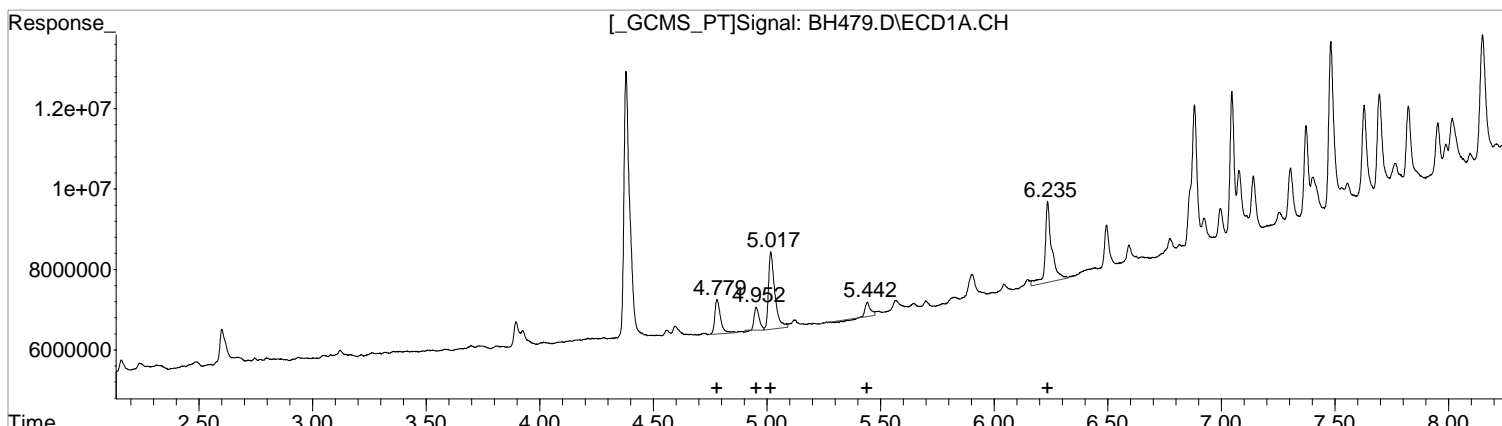
Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.78	15311994	24.99
4.95	9676733	24.76
5.02	37737893	25.86
5.44	4230157	14.76
6.24	40374184	28.34

(8) PCB 1221 #2 (L2c)

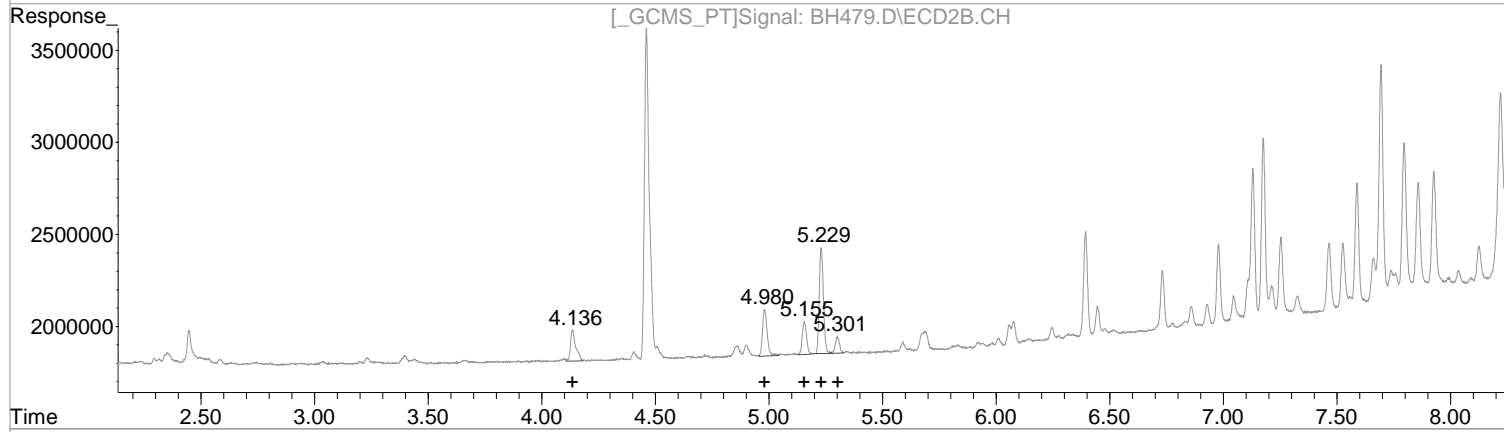
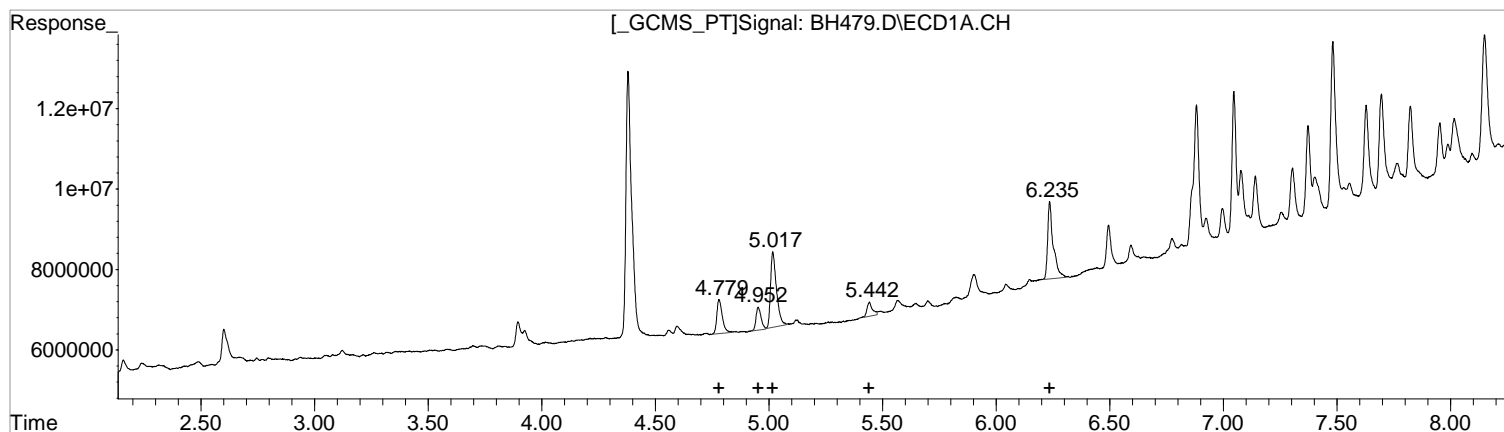
R.T.	Response	Conc
4.14	2829752	24.88
4.98	3657216	26.48
5.16	2334421	24.19
5.23	7396543	26.01
5.30	1146636	25.91

Manual Integration:
 Before
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.78	14221937	23.21
4.95	8703469	22.27
5.02	33848753	23.19
5.44	5721015	19.96
6.23	32719984	22.97

(8) PCB 1221 #2 (L2c)

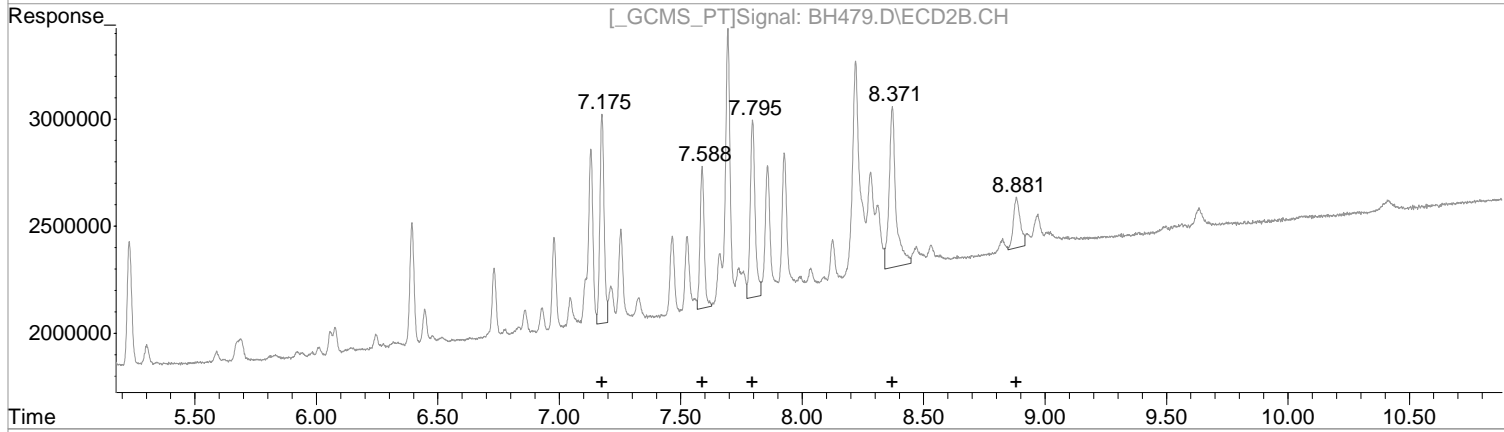
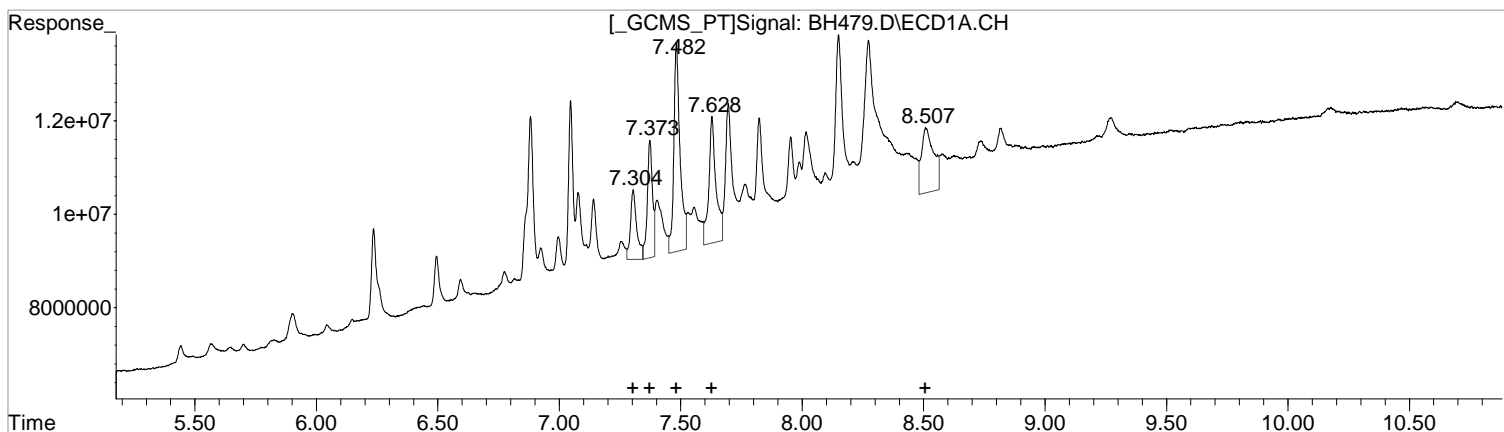
R.T.	Response	Conc
4.14	2768065	24.34
4.98	3657216	26.48
5.16	2334421	24.19
5.23	7396543	26.01
5.30	1146636	25.91

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:38 am
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	28323291	32.43
7.37	37365893	27.81
7.48	80176945	28.58
7.63	55959842	34.12
8.51	48704719	55.37

(28) PCB 1254 #2 (L6c)

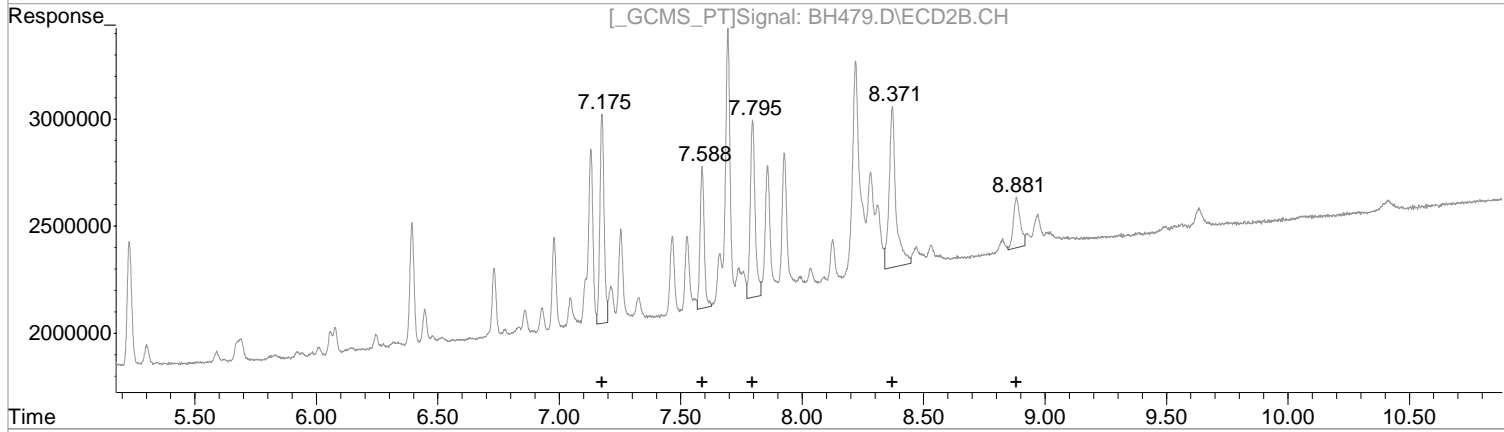
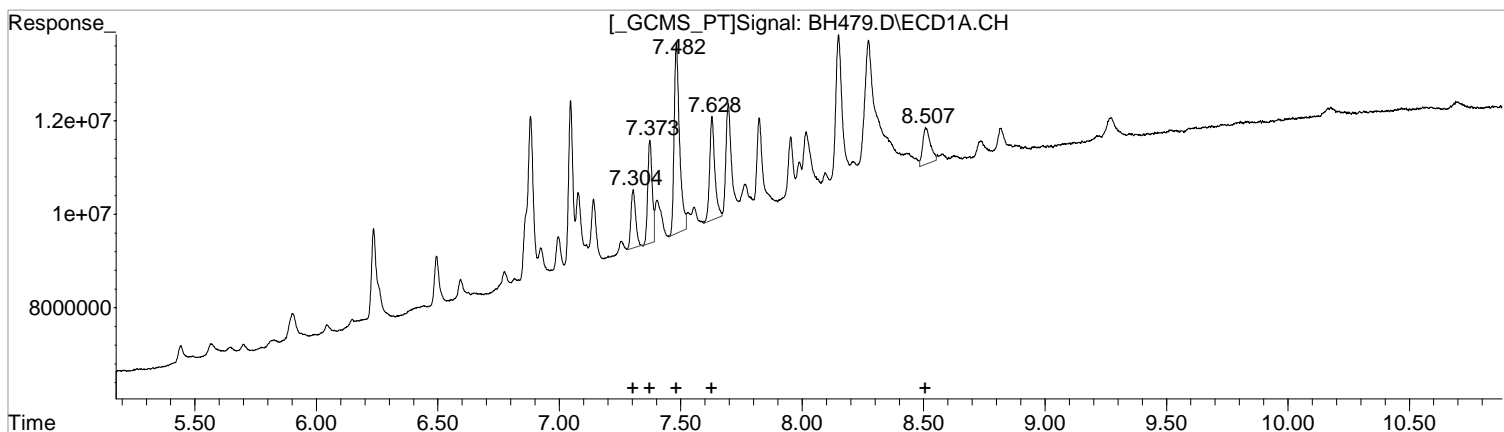
R.T.	Response	Conc
7.18	11774237	25.03
7.59	7910088	24.73
7.80	11561445	23.91
8.37	14587603	24.33
8.88	4616958	21.58

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:38 am
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	16778836	19.21
7.37	27962068	20.81
7.48	63320800	22.57
7.63	32700804	19.94
8.51	16915682	19.23

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	11774237	25.03
7.59	7910088	24.73
7.80	11561445	23.91
8.37	14587603	24.33
8.88	4616958	21.58

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH478.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:18 am
 Operator :
 Sample : 1660 H
 Misc : INITIAL CAL.
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

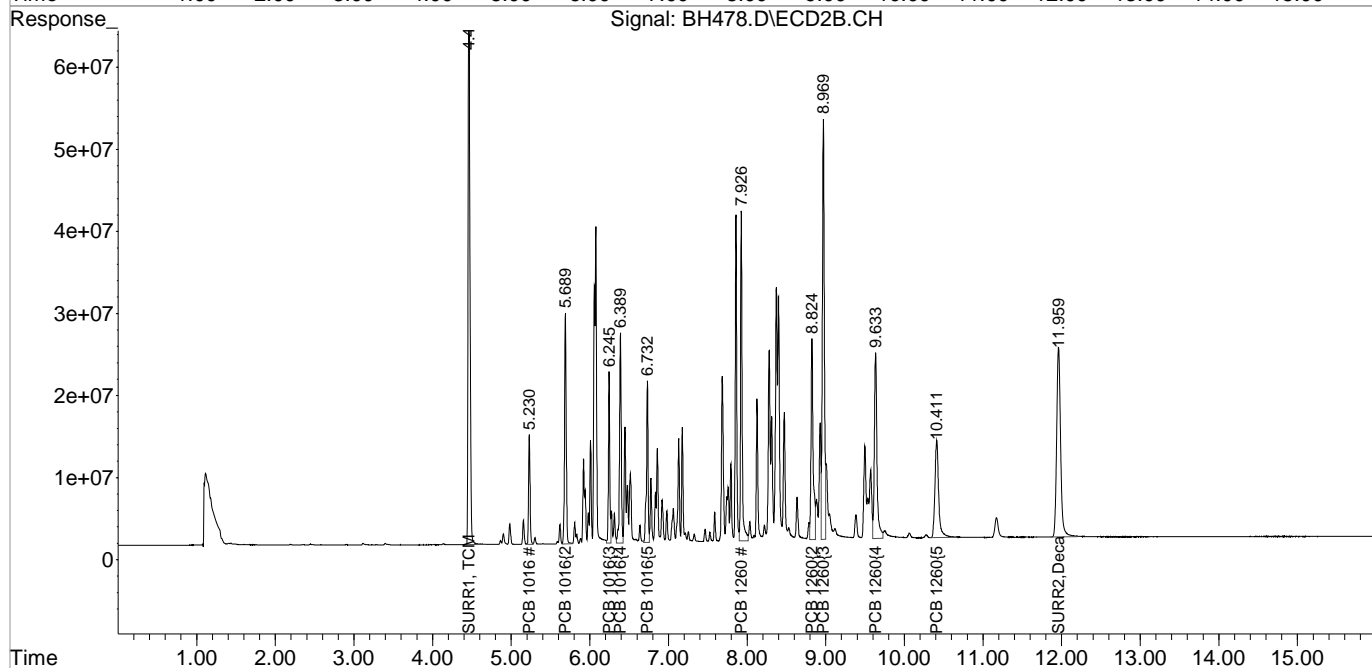
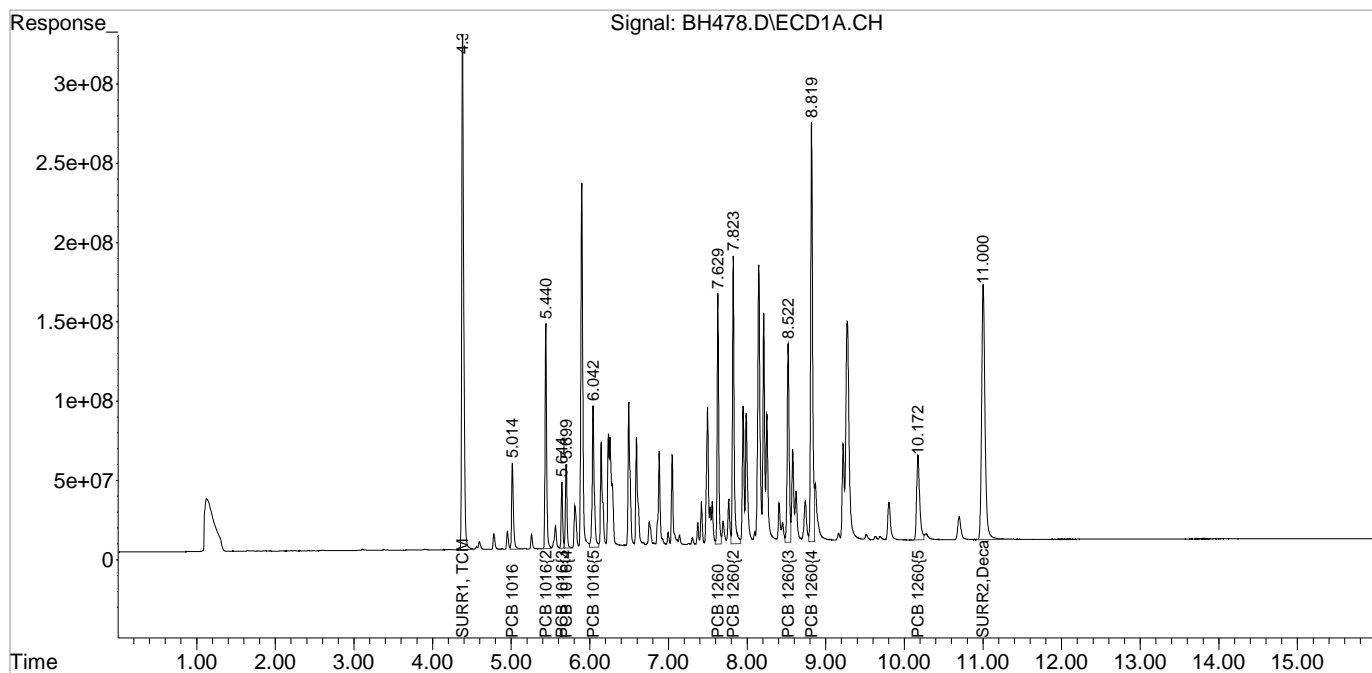
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5791.6E6	1153.6E6	97.096	90.256
Spiked Amount	100.000	Range	30 - 150	Recovery	= 97.10%	90.26%
2) S SURR2, Dec...	11.001	11.960	4833.4E6	808.3E6	85.240	82.005
Spiked Amount	100.000	Range	30 - 150	Recovery	= 85.24%	82.00%
Target Compounds						
3) L1c PCB 1016	5.015	5.231	886.5E6	175.0E6	865.928	768.925
4) L1c PCB 1016{2}	5.441	5.689	1993.0E6	418.3E6	868.701	774.143
5) L1c PCB 1016{3}	5.645	6.246	543.5E6	246.5E6	865.930	793.560
6) L1c PCB 1016{4}	5.700	6.390	738.1E6	396.4E6	848.595	789.595
7) L1c PCB 1016{5}	6.042	6.732	1623.6E6	281.5E6	832.194	726.718
Sum PCB 1016			5784.6E6	1517.6E6	4281.348	3852.941
Average PCB 1016					856.270	770.588
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	2152.5E6	551.3E6	828.833	788.848
34) L7c PCB 1260{2}	7.824	8.825	2703.0E6	466.4E6	907.353	853.234
35) L7c PCB 1260{3}	8.522	8.970	2183.5E6	915.8E6	827.658	892.635
36) L7c PCB 1260{4}	8.819	9.634	4600.3E6	516.9E6	963.825	838.274
37) L7c PCB 1260{5}	10.172	10.411	1442.4E6	394.7E6	845.893	814.905
Sum PCB 1260			13081.7E6	2845.2E6	4373.562	4187.896
Average PCB 1260					874.712	837.579
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH478.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:18 am
Operator :
Sample : 1660 H
Misc : INITIAL CAL.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:26 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH477.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:57 am
 Operator :
 Sample : 1660 MH
 Misc : INITIAL CAL.
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

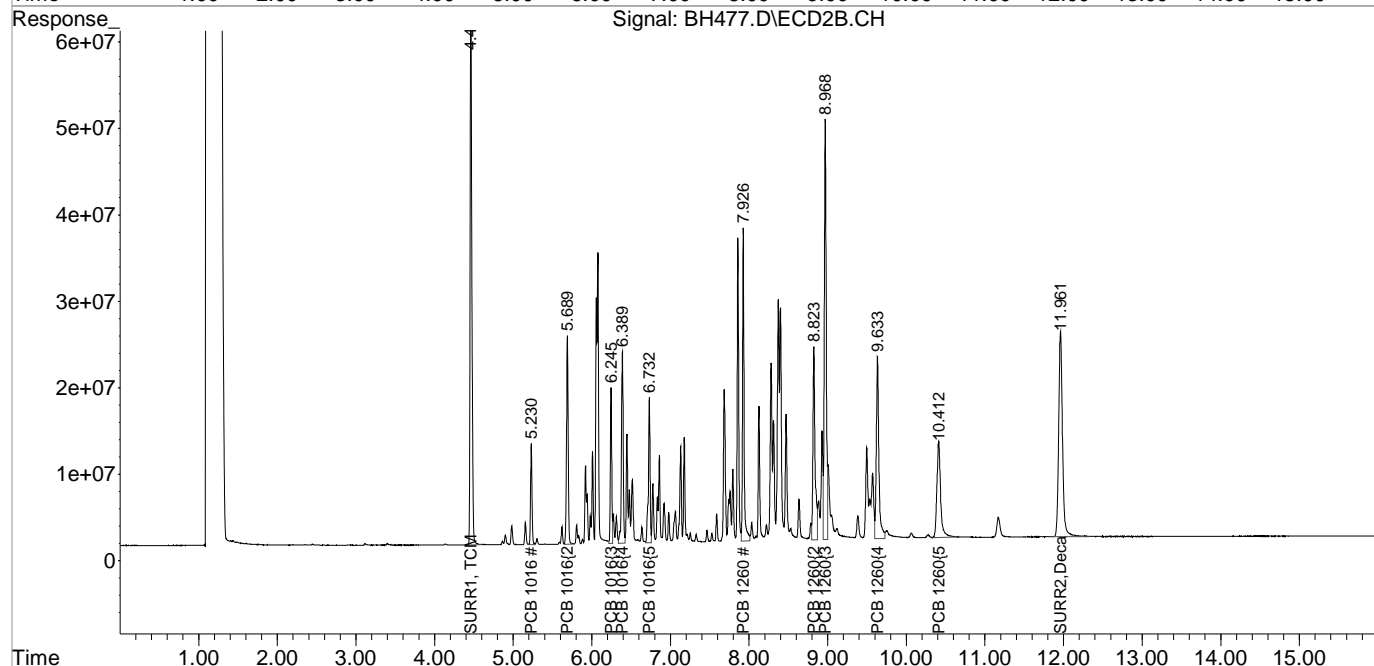
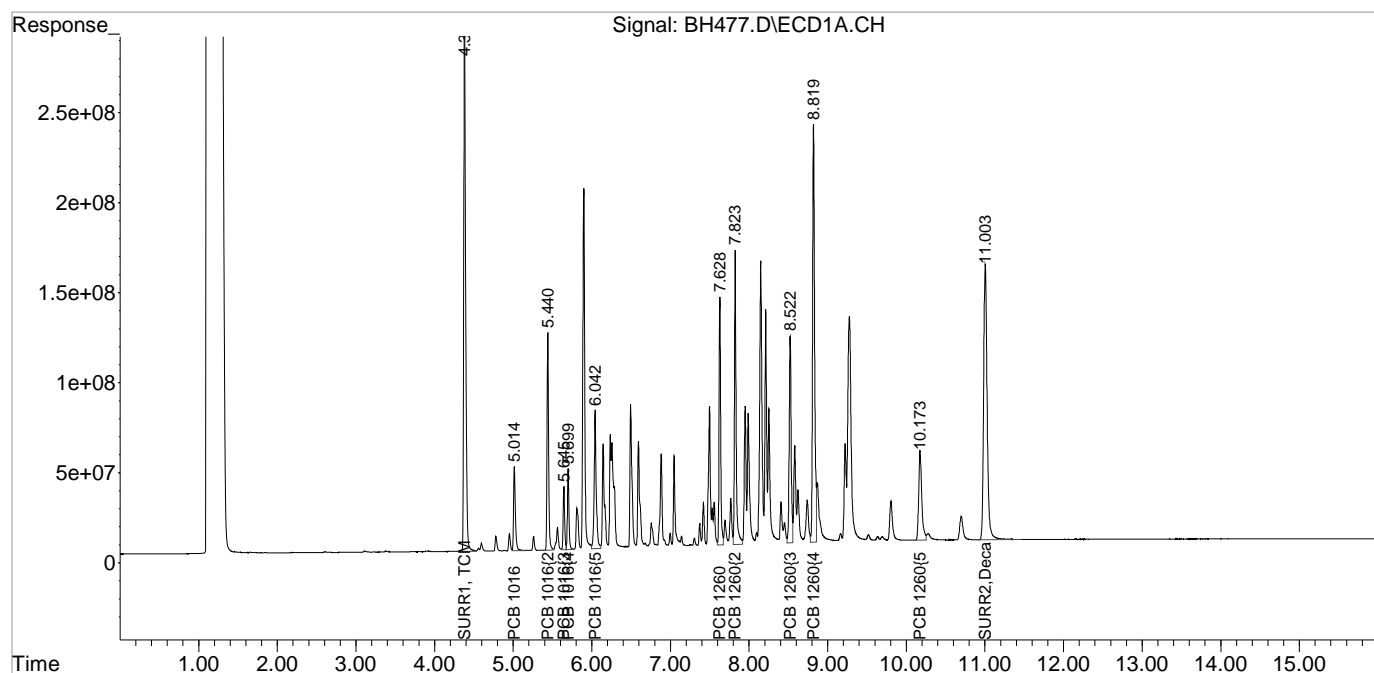
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5129.5E6	1025.3E6	85.995	80.221
Spiked Amount	100.000	Range	30 - 150	Recovery =	86.00%	80.22%
2) S SURR2, Dec...	11.003	11.961	4764.1E6	802.2E6	84.018	81.379
Spiked Amount	100.000	Range	30 - 150	Recovery =	84.02%	81.38%
Target Compounds						
3) L1c PCB 1016	5.015	5.230	742.3E6	149.1E6	725.109	655.049
4) L1c PCB 1016{2}	5.441	5.690	1667.6E6	355.9E6	726.893	658.723
5) L1c PCB 1016{3}	5.646	6.245	456.7E6	214.5E6	727.730	690.569
6) L1c PCB 1016{4}	5.700	6.389	617.4E6	344.0E6	709.855	685.203
7) L1c PCB 1016{5}	6.043	6.732	1387.5E6	245.3E6	711.189	633.196
Sum PCB 1016			4871.6E6	1308.7E6	3600.775	3322.741
Average PCB 1016					720.155	664.548
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	1899.3E6	495.1E6	731.336	708.330
34) L7c PCB 1260{2}	7.824	8.824	2411.0E6	420.4E6	809.331	769.111
35) L7c PCB 1260{3}	8.523	8.969	1966.4E6	827.4E6	745.372	806.535
36) L7c PCB 1260{4}	8.820	9.633	4187.2E6	476.4E6	877.277	772.562
37) L7c PCB 1260{5}	10.174	10.412	1337.2E6	365.9E6	784.207	755.458
Sum PCB 1260			11801.1E6	2585.3E6	3947.524	3811.996
Average PCB 1260					789.505	762.399
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH477.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:57 am
Operator :
Sample : 1660 MH
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:23 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

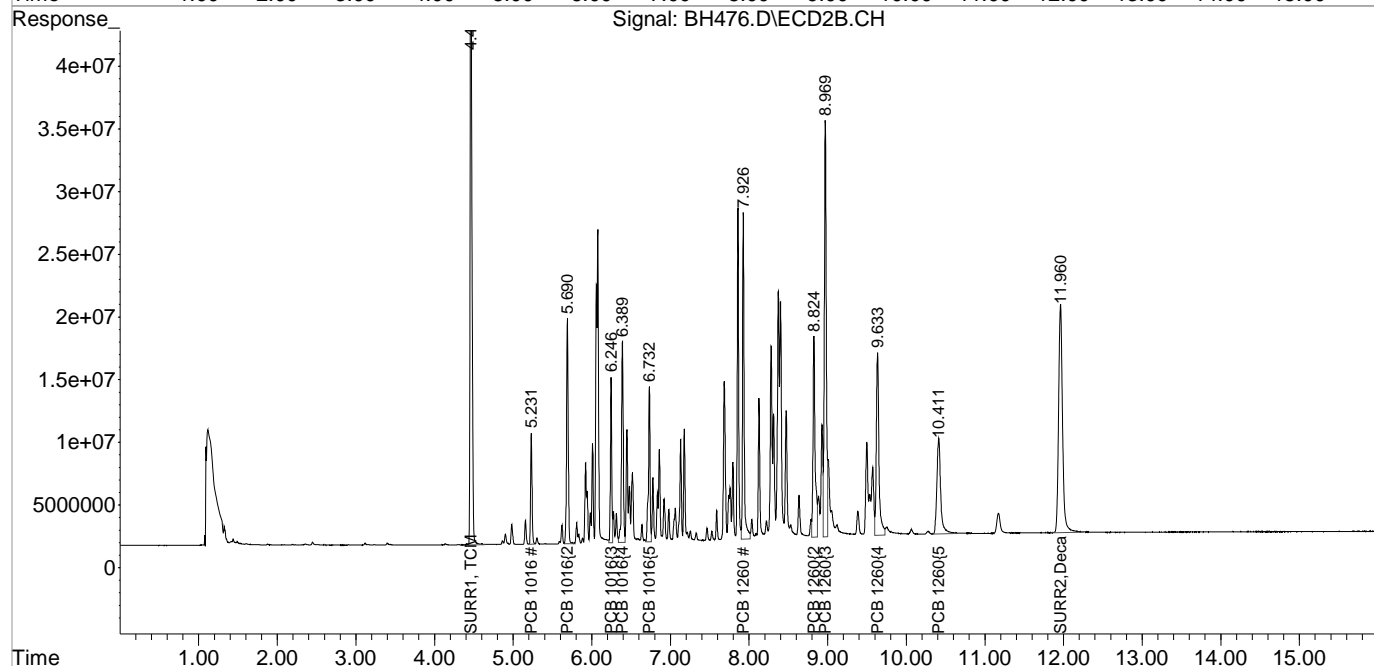
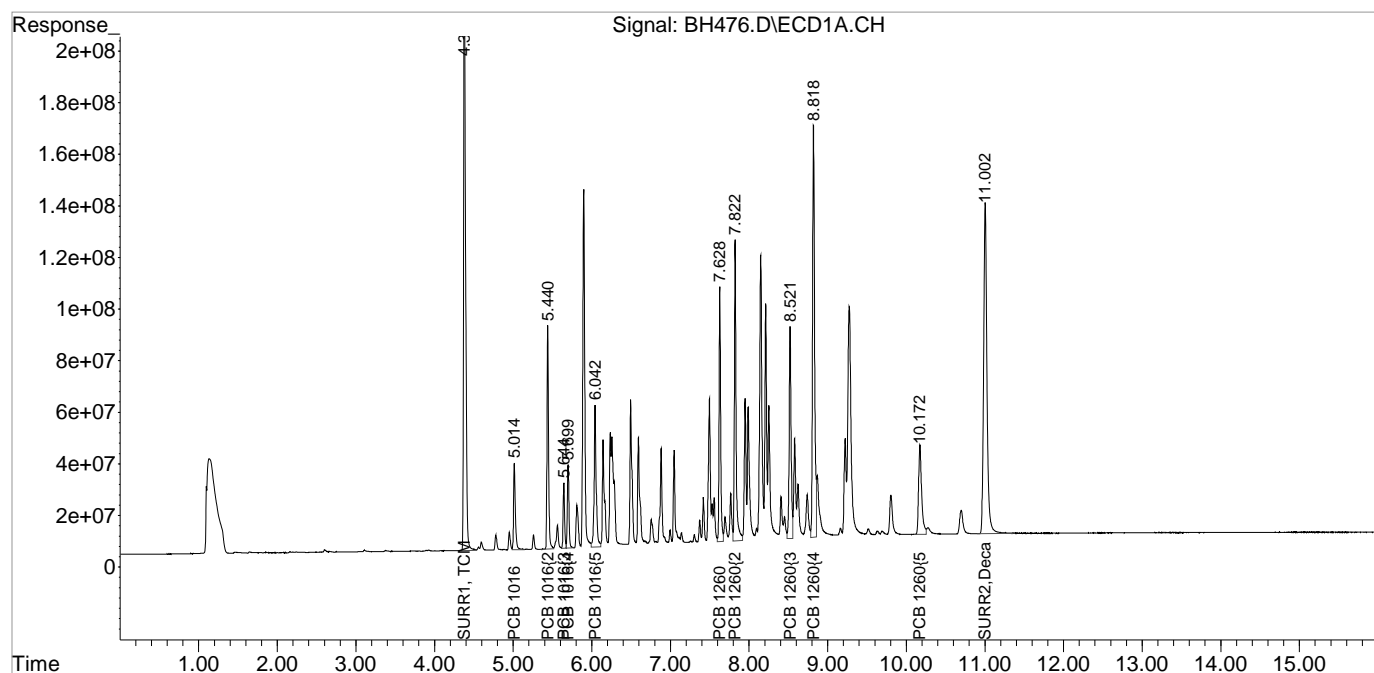
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.462	4153.4E6	844.2E6	69.631	66.047
Spiked Amount	100.000	Range	30 - 150	Recovery	= 69.63%	66.05%
2) S SURR2, Dec...	11.002	11.961	3755.8E6	633.2E6	66.236	64.236
Spiked Amount	100.000	Range	30 - 150	Recovery	= 66.24%	64.24%
Target Compounds						
3) L1c PCB 1016	5.015	5.231	545.3E6	110.9E6	532.657	487.230
4) L1c PCB 1016{2}	5.440	5.690	1218.7E6	264.9E6	531.194	490.354
5) L1c PCB 1016{3}	5.645	6.246	332.6E6	157.8E6	530.003	507.836
6) L1c PCB 1016{4}	5.699	6.389	452.6E6	252.8E6	520.292	503.557
7) L1c PCB 1016{5}	6.042	6.733	1008.8E6	180.4E6	517.086	465.690
Sum PCB 1016			3557.9E6	966.7E6	2631.232	2454.668
Average PCB 1016					526.246	490.934
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.628	7.927	1361.7E6	360.4E6	524.317	515.643
34) L7c PCB 1260{2}	7.823	8.825	1723.1E6	300.1E6	578.426	548.909
35) L7c PCB 1260{3}	8.522	8.969	1392.9E6	593.5E6	527.988	578.474
36) L7c PCB 1260{4}	8.818	9.634	2904.7E6	336.8E6	608.569m	546.234
37) L7c PCB 1260{5}	10.172	10.411	934.5E6	256.9E6	548.056	530.355
Sum PCB 1260			8316.9E6	1847.6E6	2787.356	2719.615
Average PCB 1260					557.471	543.923
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:37 am
Operator :
Sample : 1660 M
Misc : INITIAL CAL.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

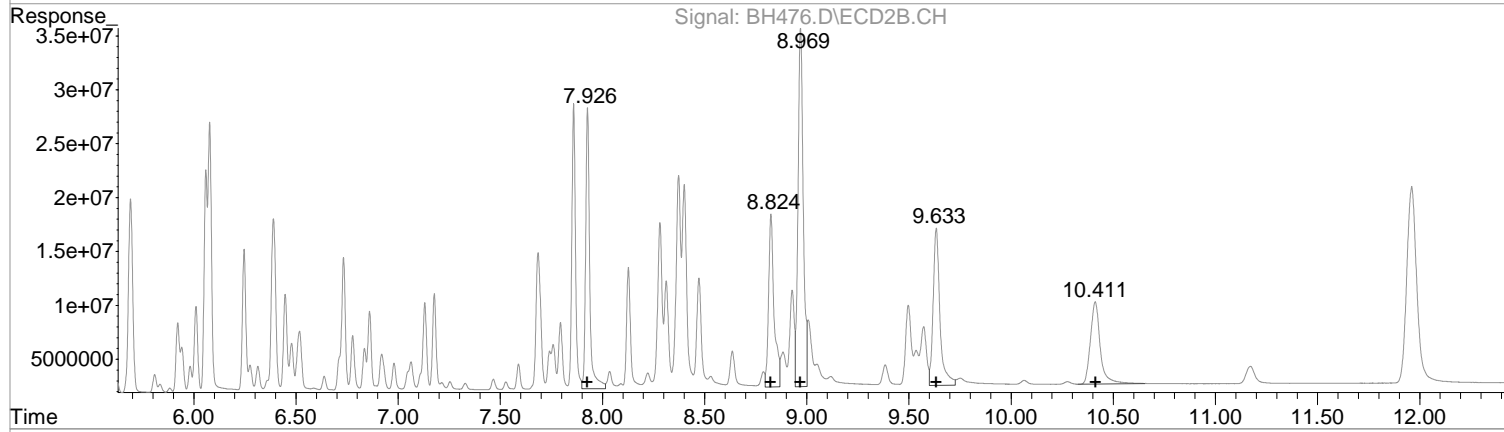
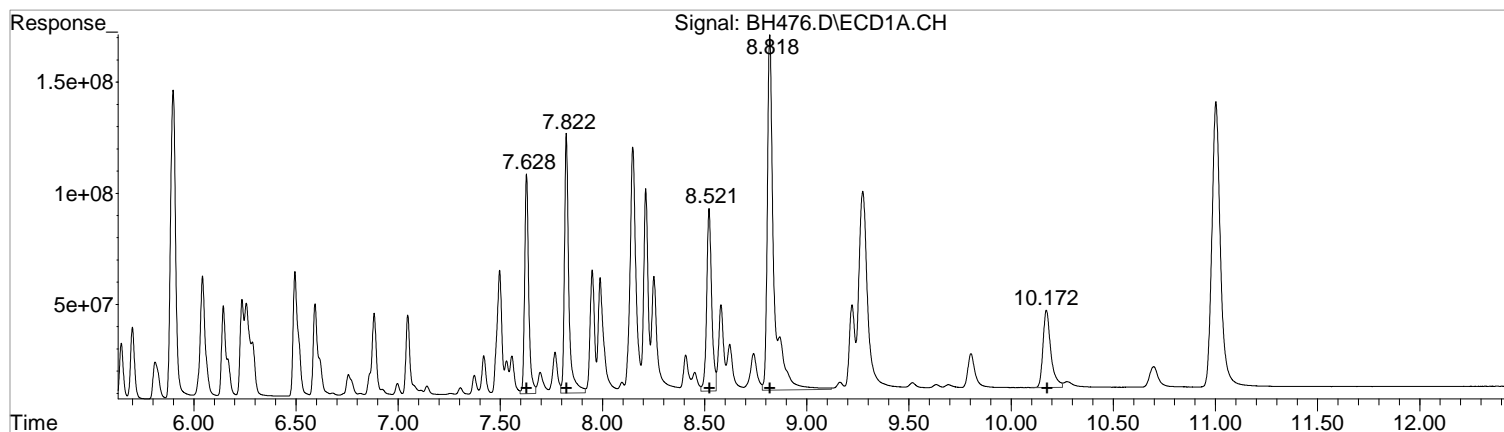
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	1361672046	524.32
7.82	1723144483	578.43
8.52	1392903967	527.99
8.82	3590338192	752.23
10.17	934510027	548.06

Manual Integration:
 Before
 04/22/19

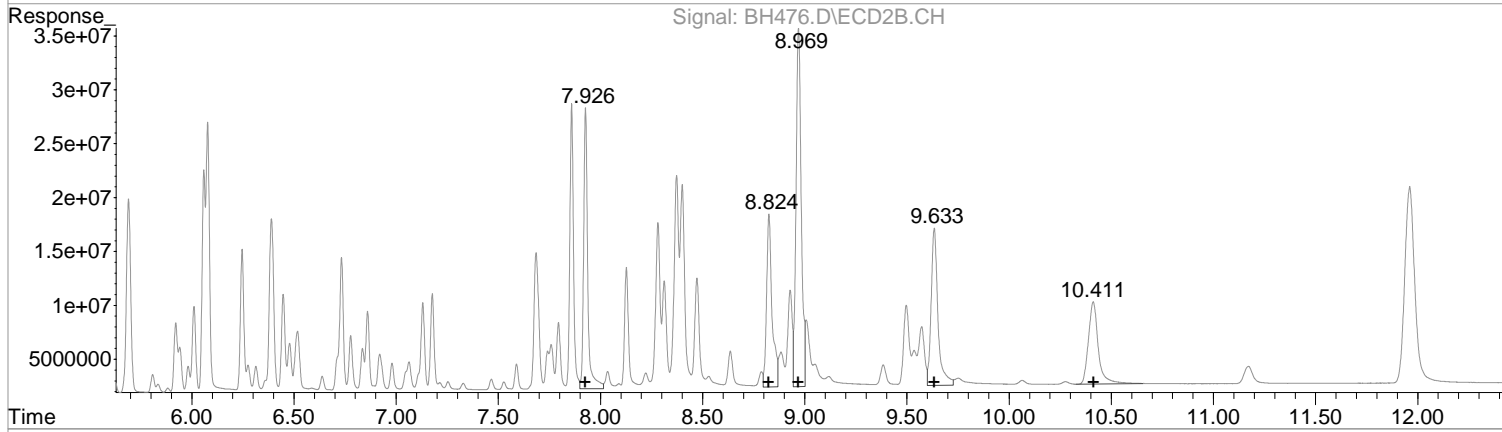
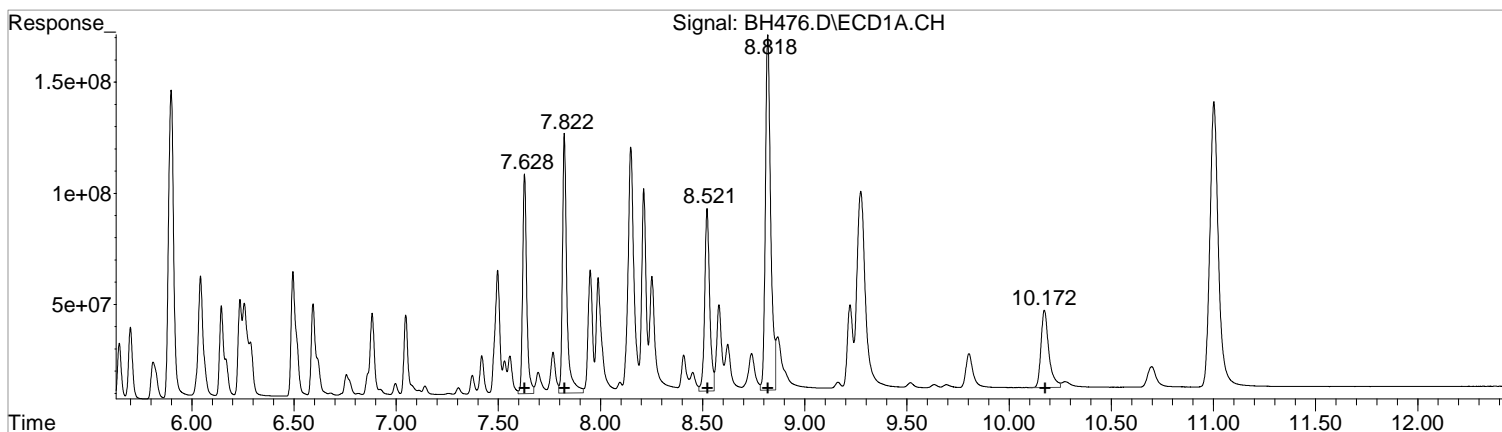
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	360386643	515.64
8.82	300065050	548.91
8.97	593459147	578.47
9.63	336848402	546.23
10.41	256885475	530.36

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	1361672046	524.32
7.82	1723144483	578.43
8.52	1392903967	527.99
8.82	2904668175	608.57
10.17	934510027	548.06

Manual Integration:
 After
 Poor integration.
 04/22/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	360386643	515.64
8.82	300065050	548.91
8.97	593459147	578.47
9.63	336848402	546.23
10.41	256885475	530.36

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH475.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:18 am
 Operator :
 Sample : 1660 ML
 Misc : INITIAL CAL.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

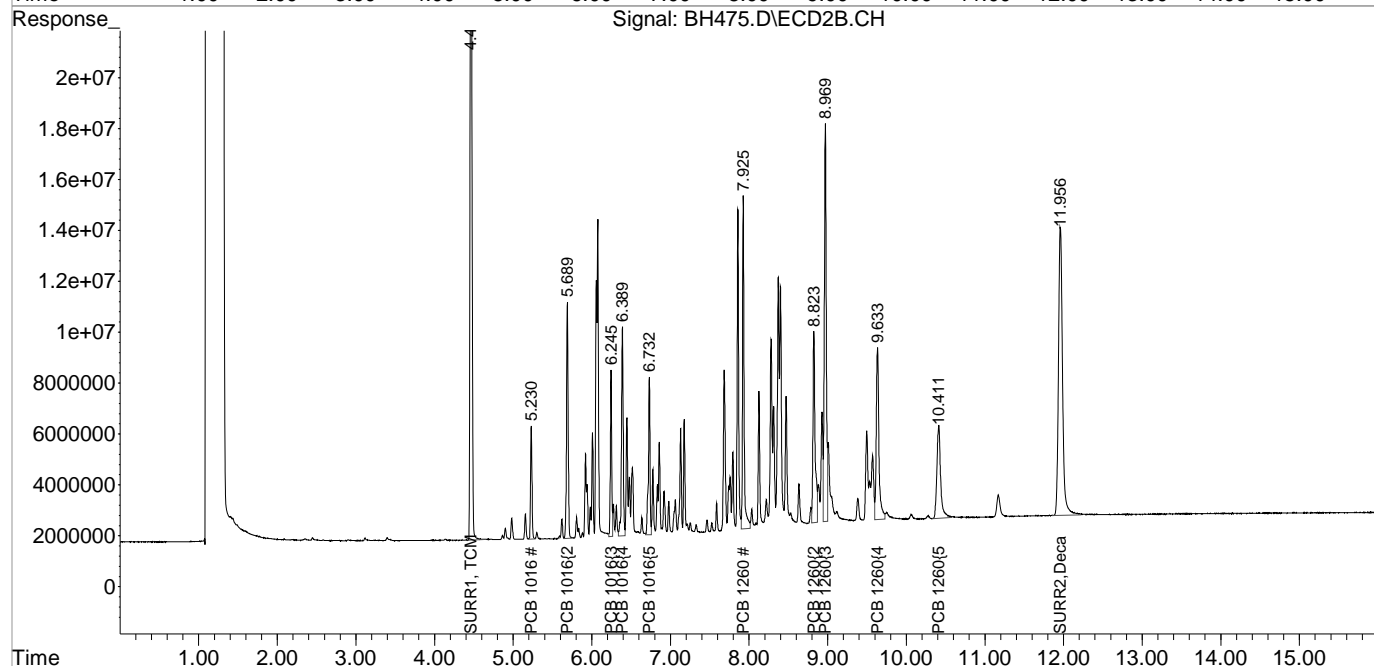
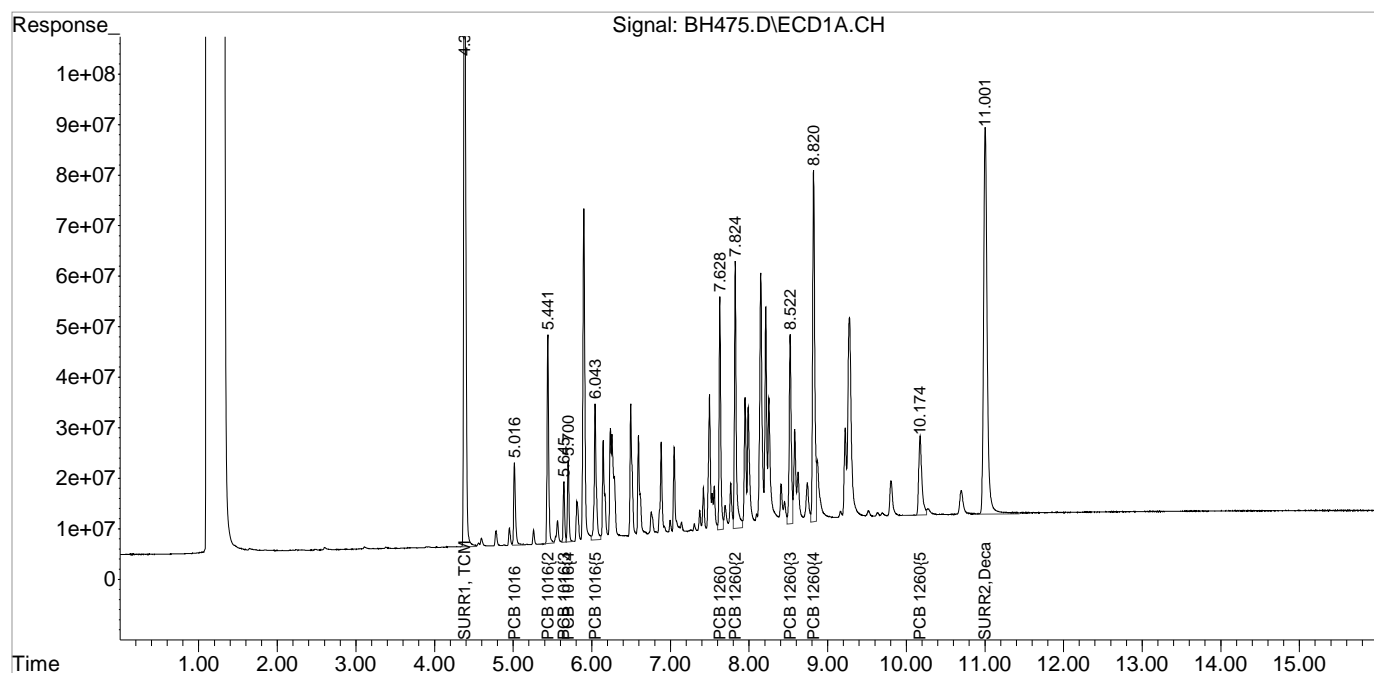
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	2647.6E6	547.0E6	44.386	42.798
Spiked Amount	100.000	Range	30 - 150	Recovery	= 44.39%	42.80%
2) S SURR2, Dec...	11.002	11.957	2429.4E6	405.1E6	42.843	41.095
Spiked Amount	100.000	Range	30 - 150	Recovery	= 42.84%	41.09%
Target Compounds						
3) L1c PCB 1016	5.017	5.231	270.9E6	56730239	264.645	249.274
4) L1c PCB 1016{2}	5.442	5.690	590.9E6	135.2E6	257.561	250.147
5) L1c PCB 1016{3}	5.646	6.245	158.4E6	78906876	252.343	254.013
6) L1c PCB 1016{4}	5.701	6.390	219.1E6	126.7E6	251.948	252.337
7) L1c PCB 1016{5}	6.043	6.732	487.8E6	90276744	250.016	233.074
Sum PCB 1016			1727.1E6	487.7E6	1276.514	1238.844
Average PCB 1016					255.303	247.769
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	657.2E6	176.1E6	253.050	252.026
34) L7c PCB 1260{2}	7.825	8.823	835.9E6	143.7E6	280.596	262.817
35) L7c PCB 1260{3}	8.523	8.970	666.0E6	273.8E6	252.445	266.850
36) L7C PCB 1260{4}	8.820	9.633	1327.8E6	158.1E6	278.192m	256.364
37) L7C PCB 1260{5}	10.175	10.412	428.9E6	120.9E6	251.510	249.585
Sum PCB 1260			3915.7E6	872.6E6	1315.792	1287.641
Average PCB 1260					263.158	257.528
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:18 am
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

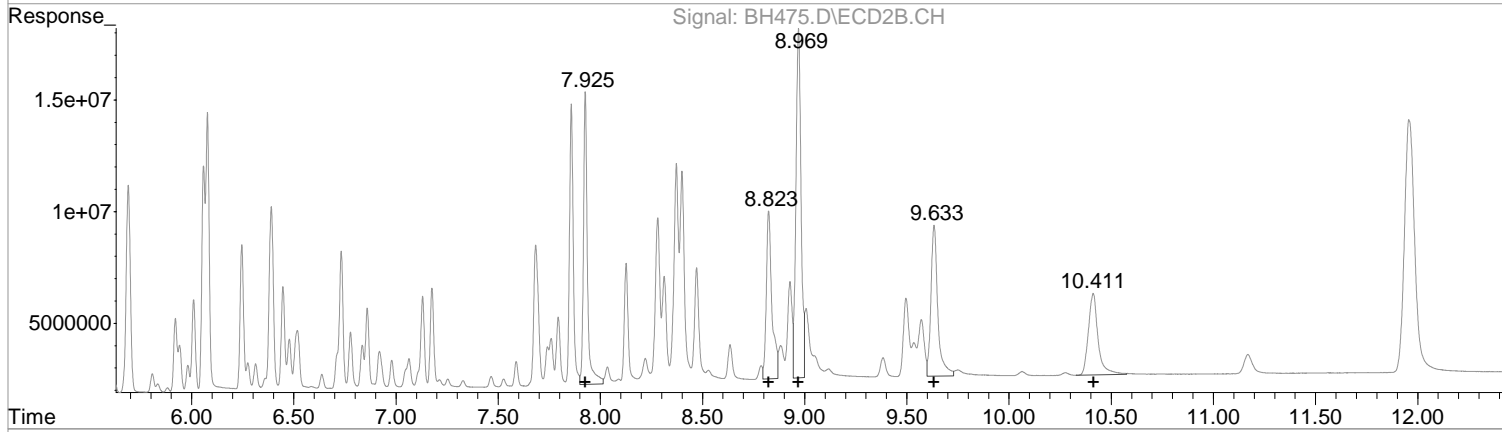
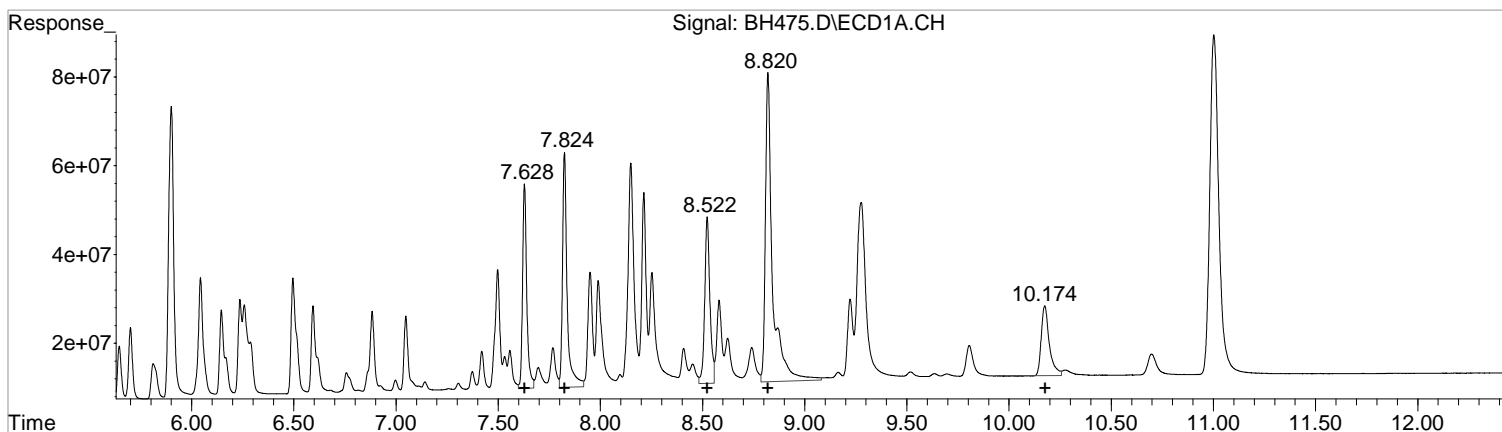
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:18 am
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	657180687	253.05
7.82	835901639	280.60
8.52	665983027	252.44
8.82	1703446462	356.90
10.17	428858492	251.51

Manual Integration:
Before
04/22/19

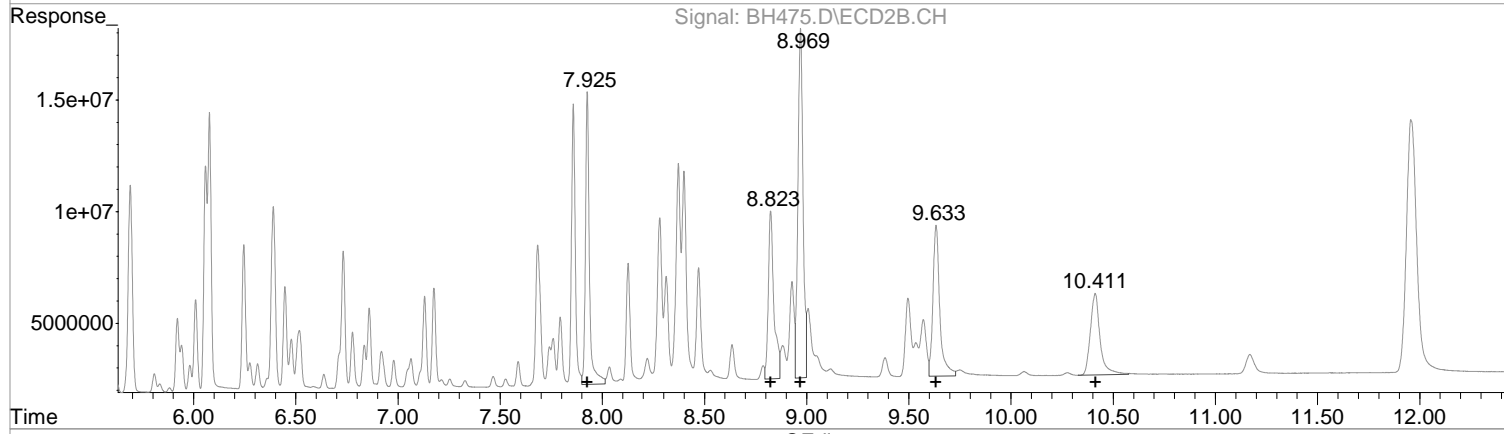
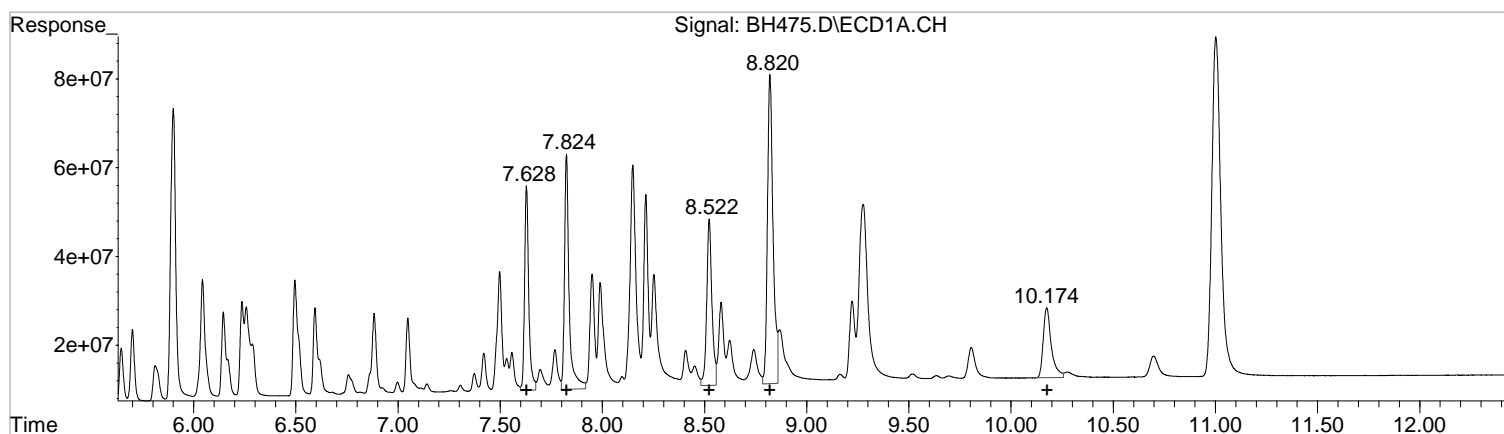
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	176142949	252.03
8.82	143670448	262.82
8.97	273762758	266.85
9.63	158093103	256.36
10.41	120889978	249.58

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH475.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:18 am
 Operator :
 Sample : 1660 ML
 Misc : INITIAL CAL.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	657180687	253.05
7.82	835901639	280.60
8.52	665983027	252.44
8.82	1327797482	278.19
10.17	428858492	251.51

Manual Integration:
 After
 Poor integration.
 04/22/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	176142949	252.03
8.82	143670448	262.82
8.97	273762758	266.85
9.63	158093103	256.36
10.41	120889978	249.58

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH474.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:57 am
 Operator :
 Sample : 1660 L
 Misc : INITIAL CAL.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

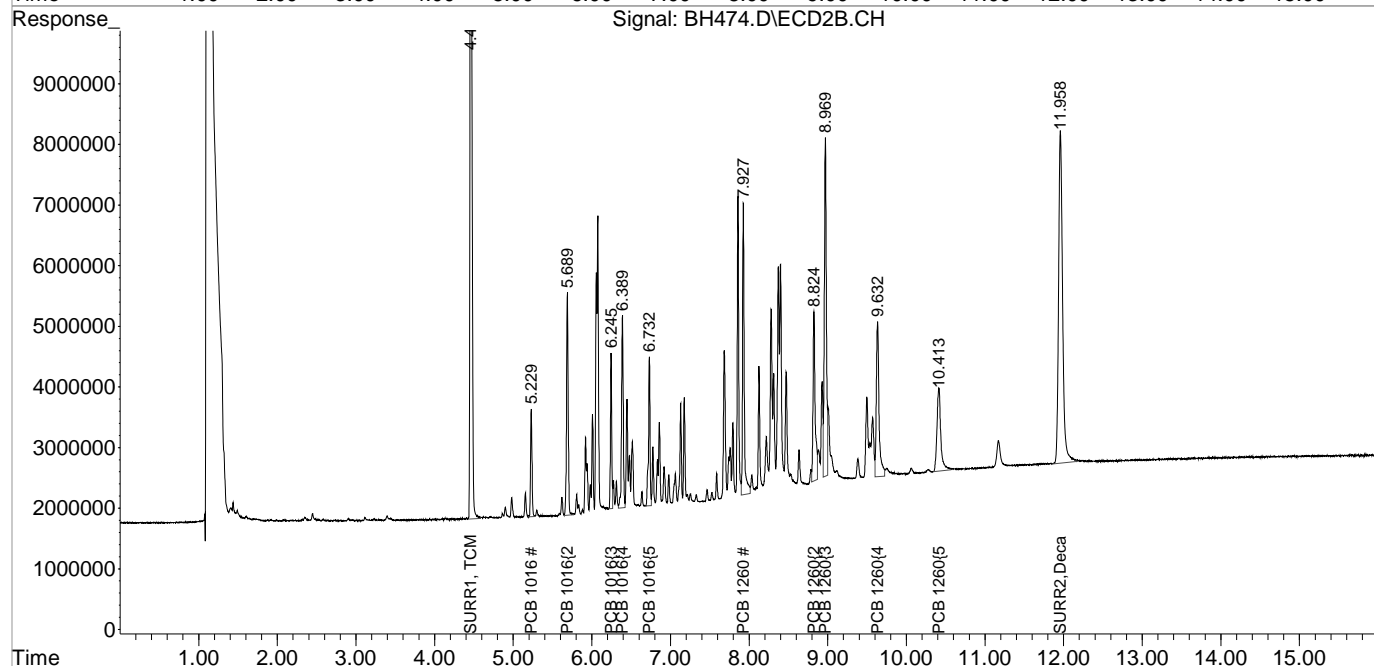
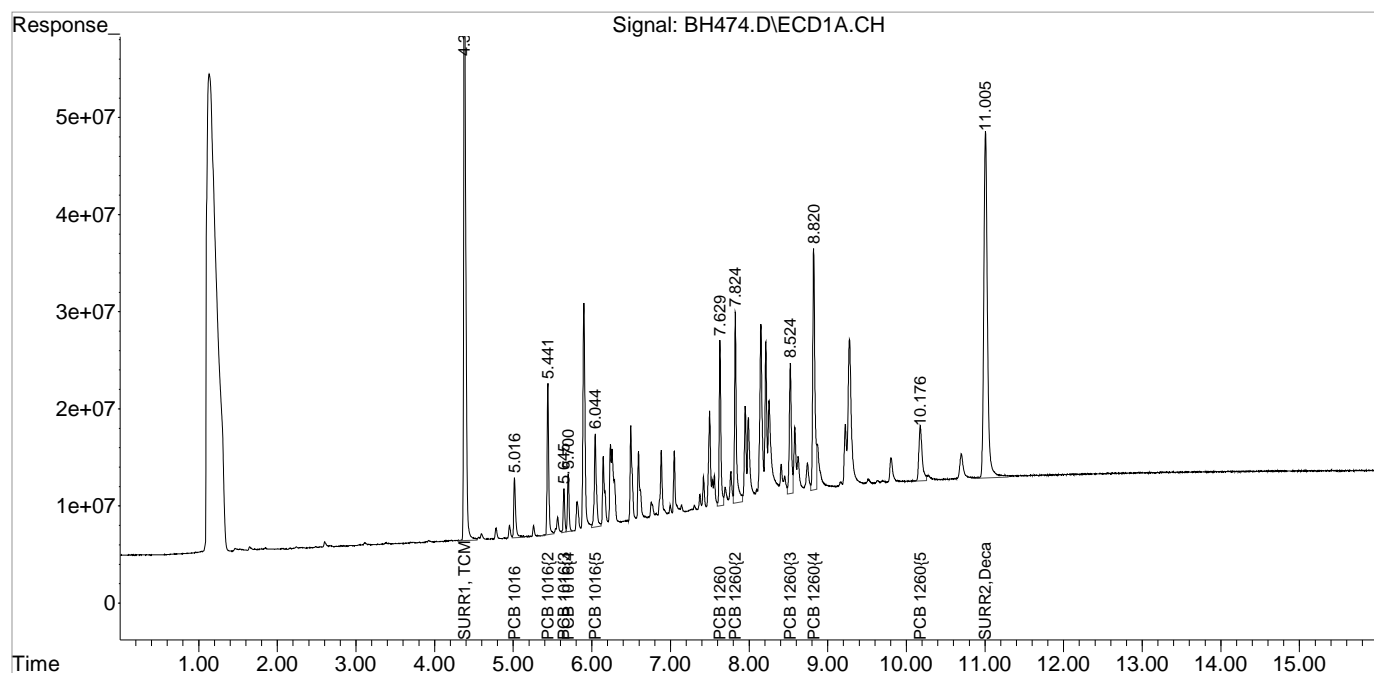
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.461	1197.1E6	256.5E6	20.069	20.067
Spiked Amount	100.000 Range	30 - 150	Recovery	=	20.07%#	20.07%#
2) S SURR2, Dec...	11.006	11.958	1149.4E6	194.1E6	20.271	19.692
Spiked Amount	100.000 Range	30 - 150	Recovery	=	20.27%#	19.69%#
Target Compounds						
3) L1c PCB 1016	5.017	5.230	108.1E6	22669893	105.623	99.612
4) L1c PCB 1016{2}	5.441	5.689	225.8E6	54121713	98.434	100.173
5) L1c PCB 1016{3}	5.646	6.245	59435905	29972484	94.701	96.486
6) L1c PCB 1016{4}	5.701	6.390	82335980	48336507	94.659	96.286
7) L1c PCB 1016{5}	6.044	6.732	181.3E6	34386649	92.932	88.778
Sum PCB 1016			657.0E6	189.5E6	486.350	481.335
Average PCB 1016					97.270	96.267
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.630	7.927	250.1E6	69999074	96.294	100.155
34) L7c PCB 1260{2}	7.825	8.824	319.2E6	52838991	107.144	96.658
35) L7c PCB 1260{3}	8.524	8.969	246.8E6	101.3E6	93.551	98.708
36) L7C PCB 1260{4}	8.820	9.633	482.0E6	61221773	100.978m	99.277
37) L7C PCB 1260{5}	10.176	10.413	164.9E6	46282185	96.727	95.552
Sum PCB 1260			1463.0E6	331.6E6	494.694	490.351
Average PCB 1260					98.939	98.070
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:57 am
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

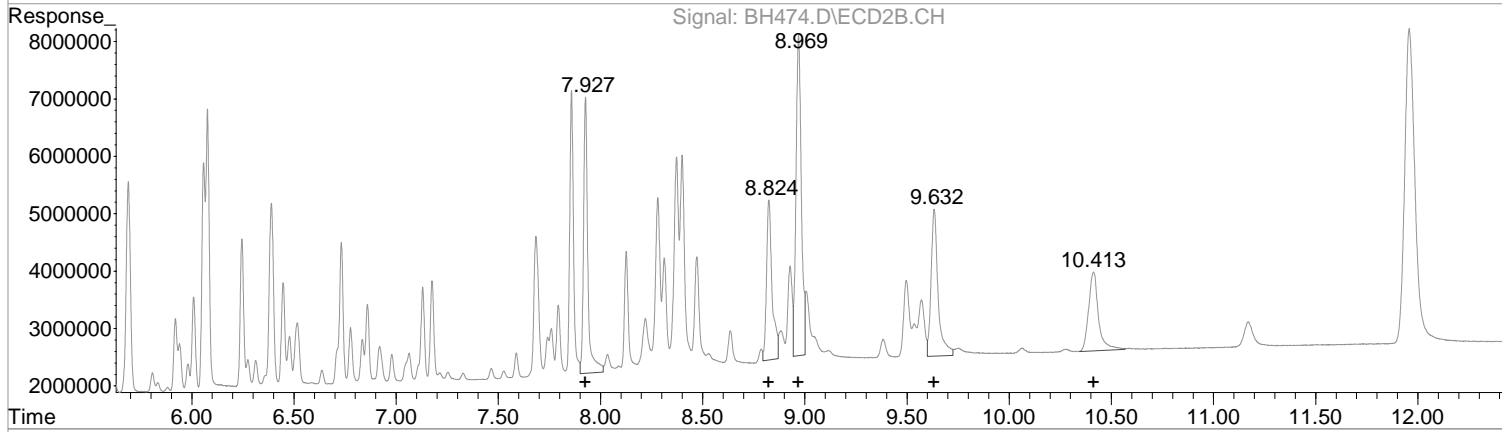
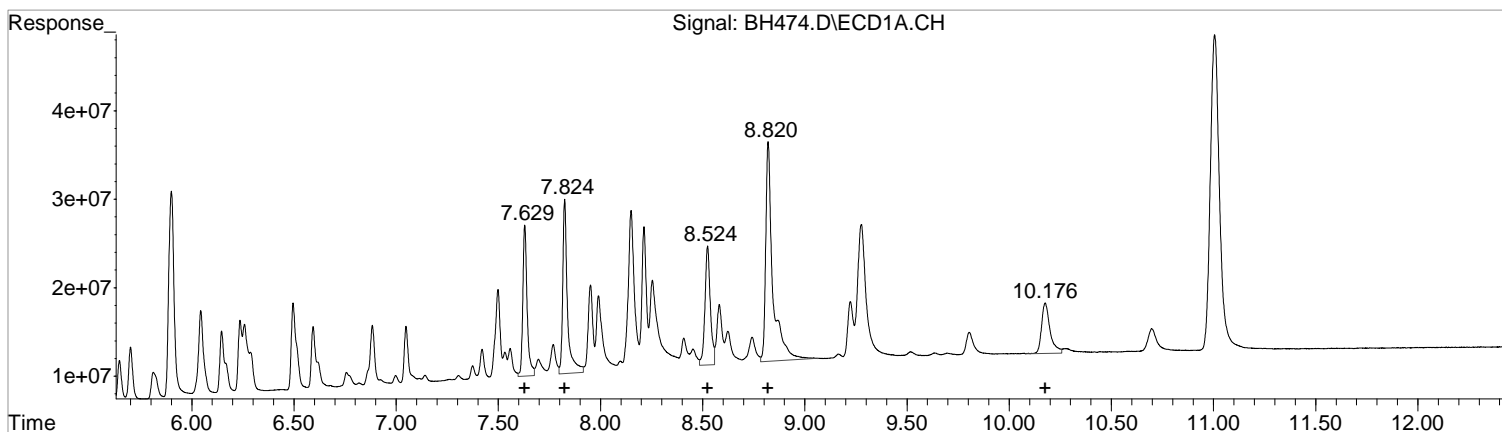
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:57 am
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	250078880	96.29
7.82	319185499	107.14
8.52	246800880	93.55
8.82	599261397	125.55
10.18	164932871	96.73

Manual Integration:
Before
04/22/19

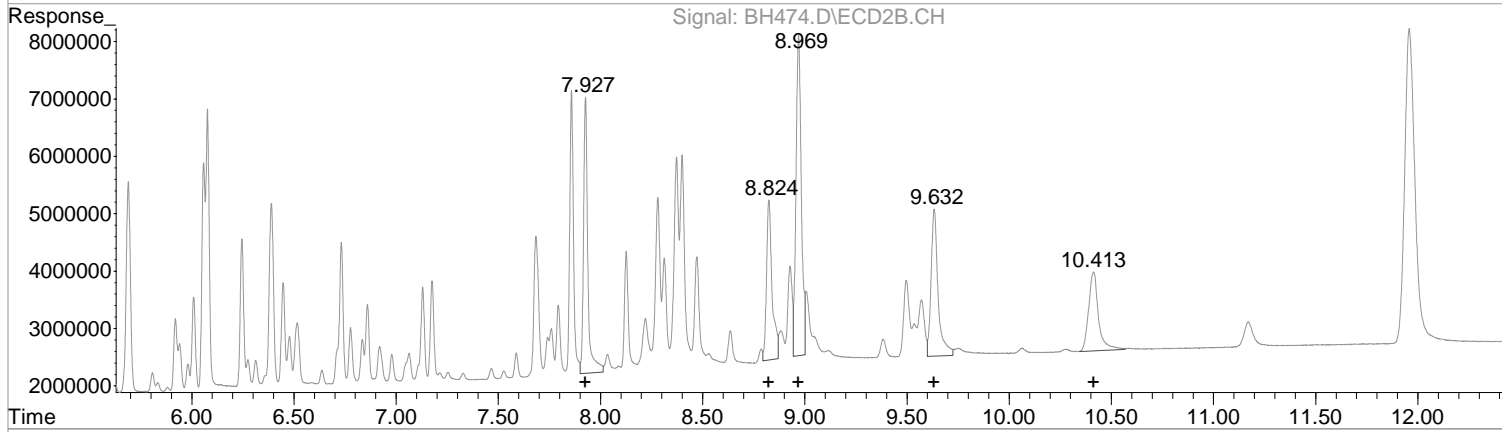
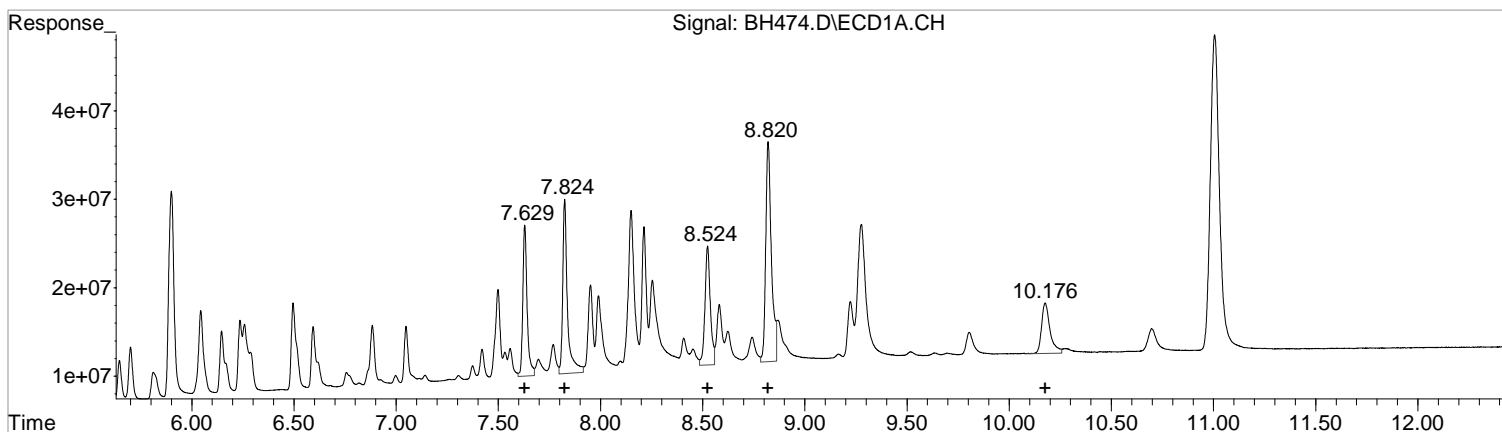
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	69999074	100.15
8.82	52838991	96.66
8.97	101265191	98.71
9.63	61221773	99.28
10.41	46282185	95.55

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:57 am
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	250078880	96.29
7.82	319185499	107.14
8.52	246800880	93.55
8.82	481962945	100.98
10.18	164932871	96.73

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	69999074	100.15
8.82	52838991	96.66
8.97	101265191	98.71
9.63	61221773	99.28
10.41	46282185	95.55

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

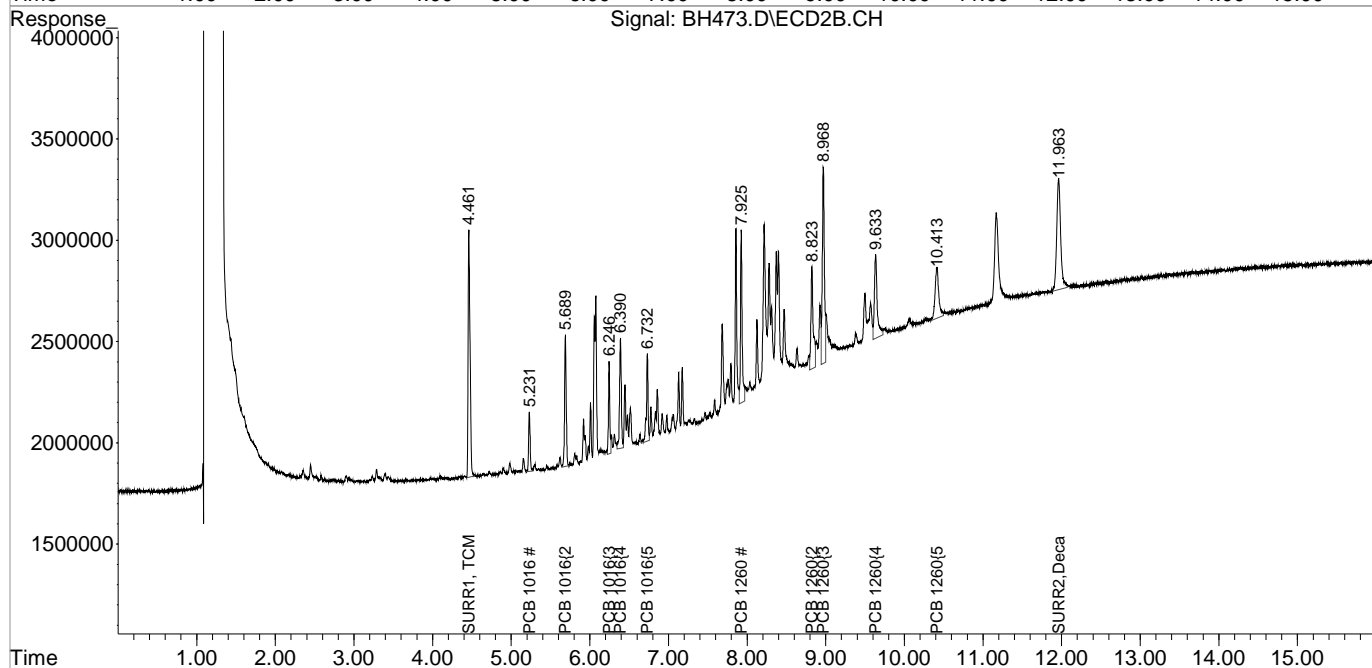
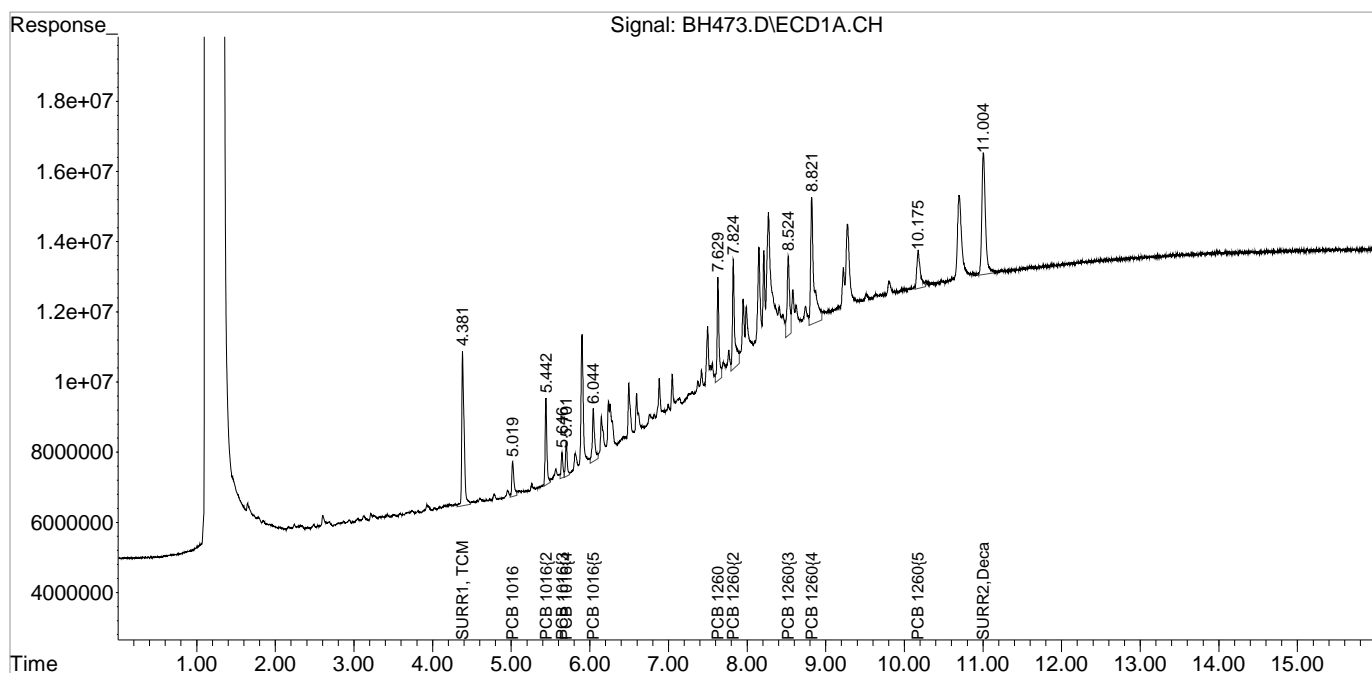
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	91108767	20593824	1.507	1.643
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.51%#	1.64%#
2) S SURR2, Dec...	11.004	11.962	110.7E6	19056708	1.908m	1.971
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.91%#	1.97%#
Target Compounds						
3) L1c PCB 1016	5.019	5.231	19744208	3906973	19.725m	18.836
4) L1c PCB 1016{2}	5.442	5.690	38670252	9511745	17.666m	19.151
5) L1c PCB 1016{3}	5.646	6.246	11467828	5519371	19.397m	19.277m
6) L1c PCB 1016{4}	5.701	6.390	14944810	8647594	18.567m	18.643
7) L1c PCB 1016{5}	6.044	6.732	31874081	6390440	18.067m	19.232
Sum PCB 1016			116.7E6	33976124	93.422	95.139
Average PCB 1016					18.684	19.028
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.925	48288429	12347318	18.345m	18.416m
34) L7c PCB 1260{2}	7.824	8.824	61869869	10328252	18.407m	19.087
35) L7c PCB 1260{3}	8.524	8.969	48084436	17739447	17.969m	17.166
36) L7C PCB 1260{4}	8.821	9.634	105.7E6	10294981	18.522m	17.229
37) L7C PCB 1260{5}	10.175	10.414	33777738	8259689	19.741m	17.984
Sum PCB 1260			297.7E6	58969688	92.984	89.882
Average PCB 1260					18.597	17.976
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

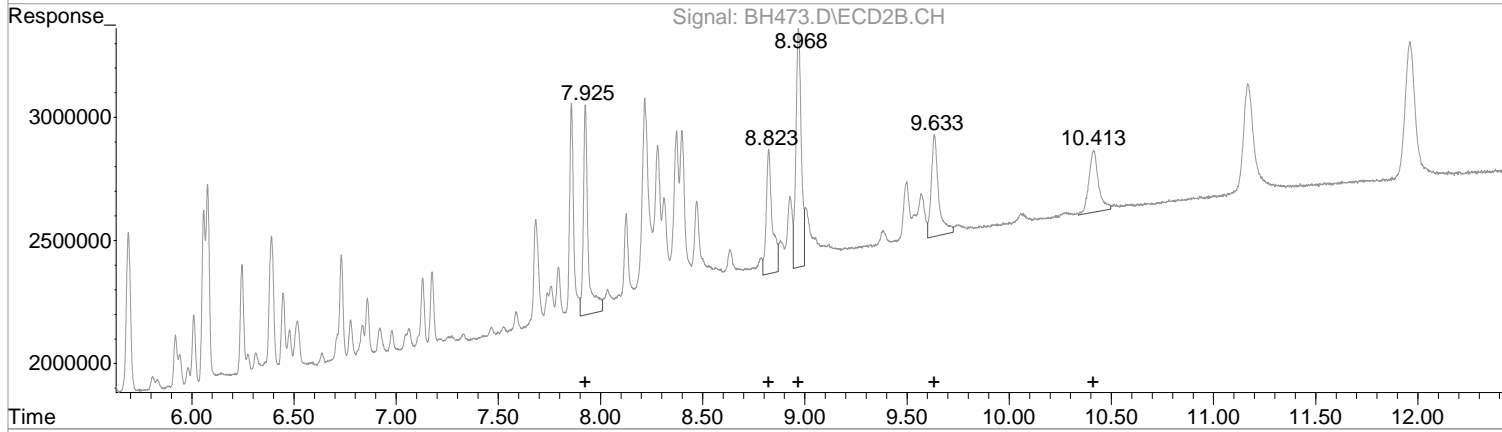
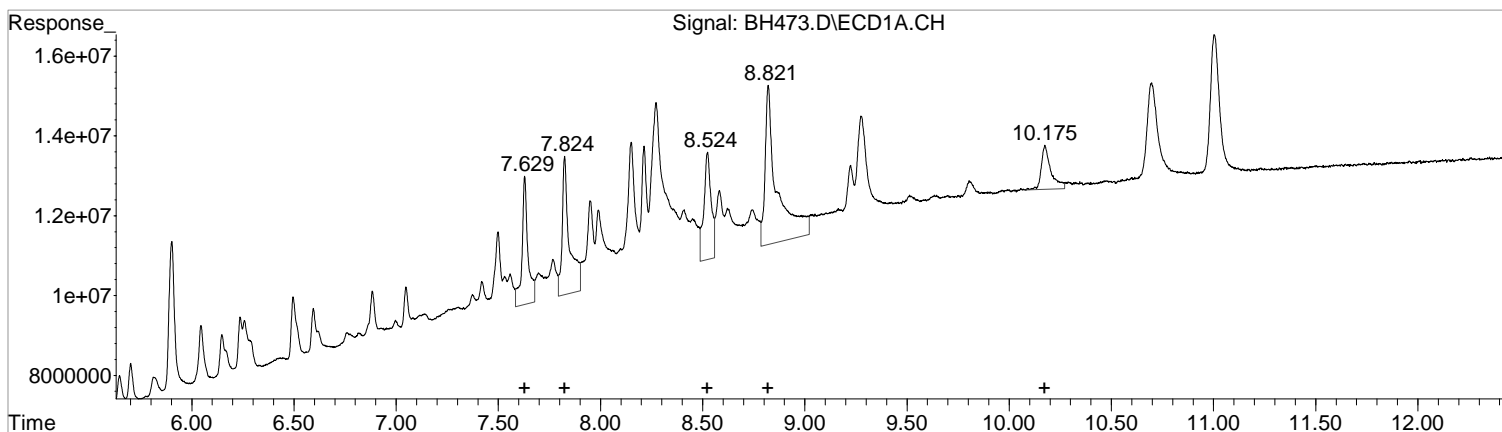
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.63	65105086	24.73
7.82	85357881	25.39
8.52	66659194	24.91
8.82	162158252	28.42
10.18	36147872	21.13

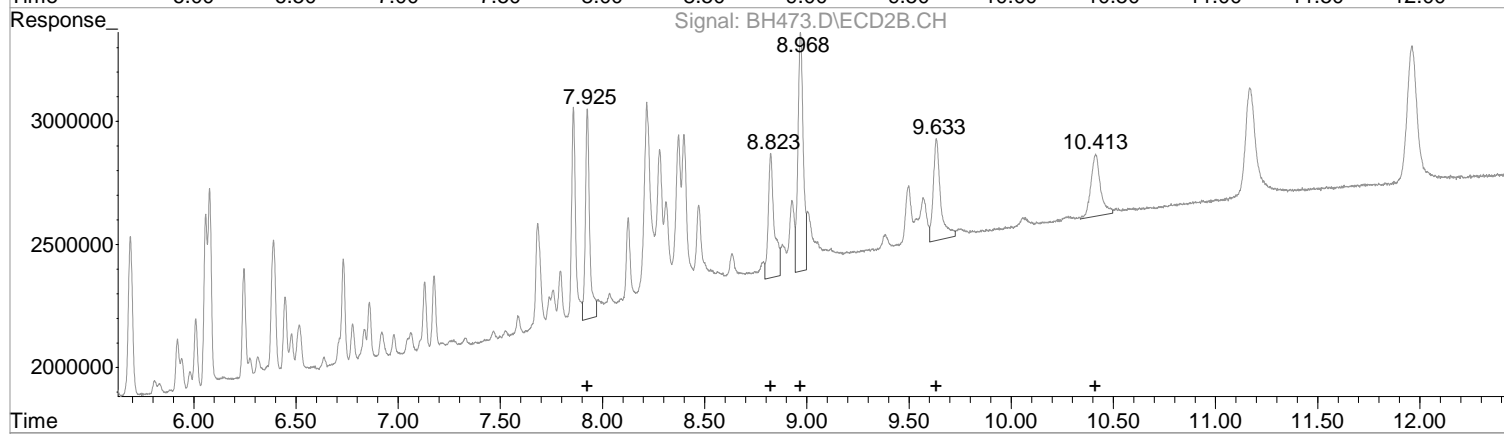
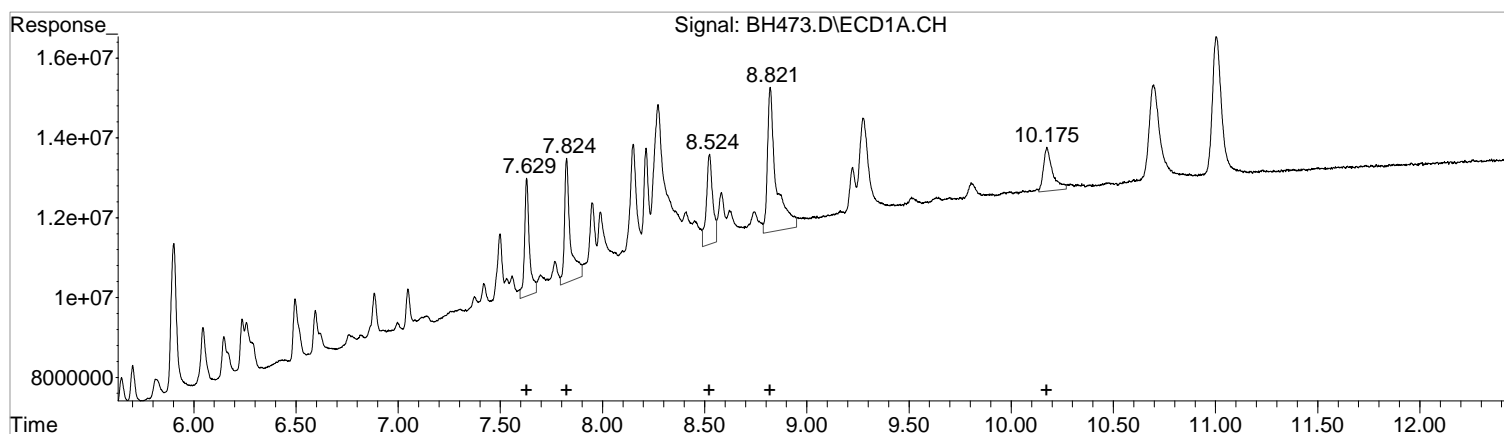
Manual Integration:
Before
04/22/19

(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.93	13718985	20.46
8.82	10328252	19.09
8.97	17739447	17.17
9.63	10294981	17.23
10.41	8259689	17.98

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.63	48288429	18.35
7.82	61869869	18.41
8.52	48084436	17.97
8.82	105674763	18.52
10.17	33777738	19.74

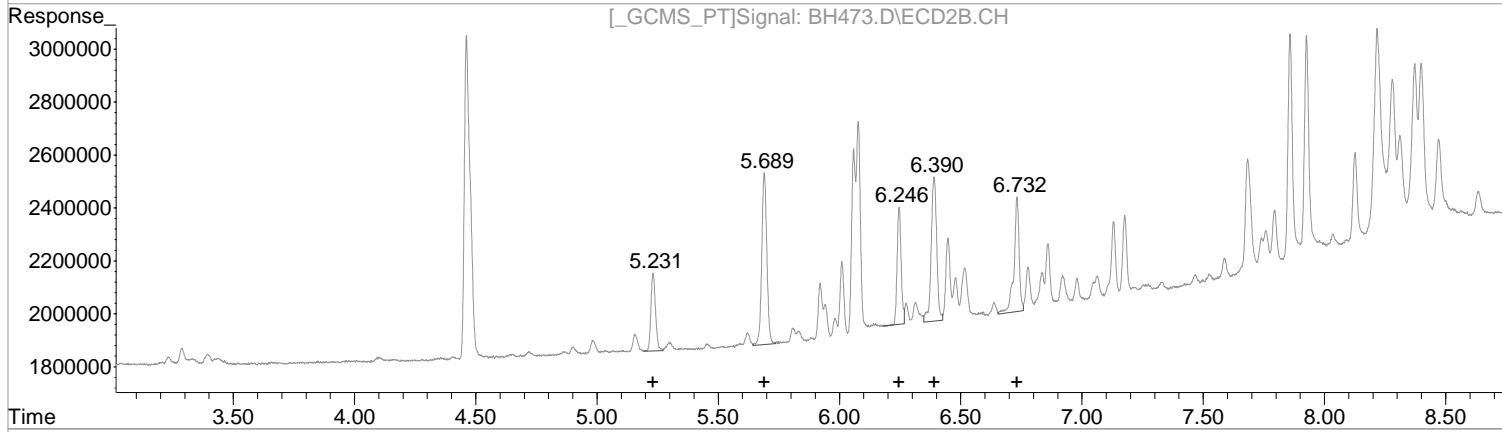
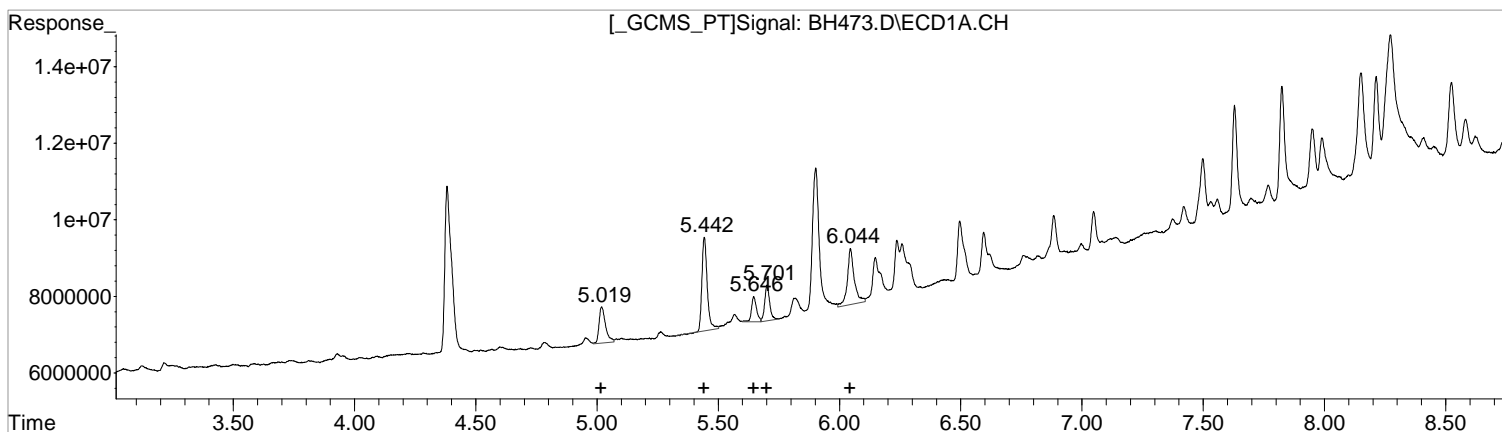
(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.93	12347318	18.42
8.82	10328252	19.09
8.97	17739447	17.17
9.63	10294981	17.23
10.41	8259689	17.98

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(3) PCB 1016 (L1c)

R.T.	Response	Conc
5.02	17481600	17.46
5.44	36818158	16.82
5.65	11485920	19.43
5.70	13259662	16.47
6.05	29318403	16.62

Manual Integration:
Before
04/22/19

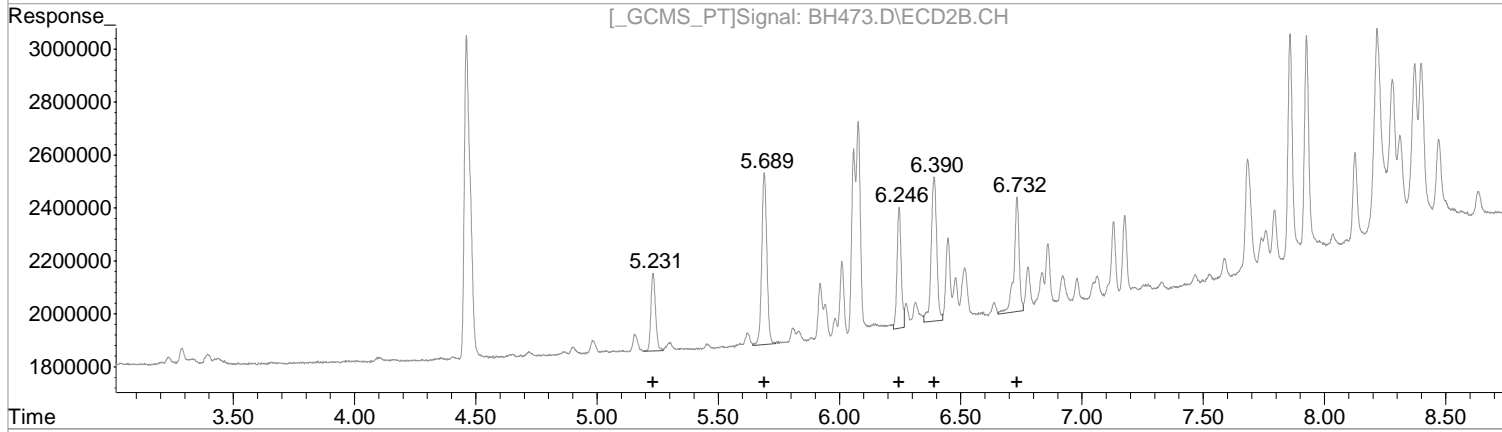
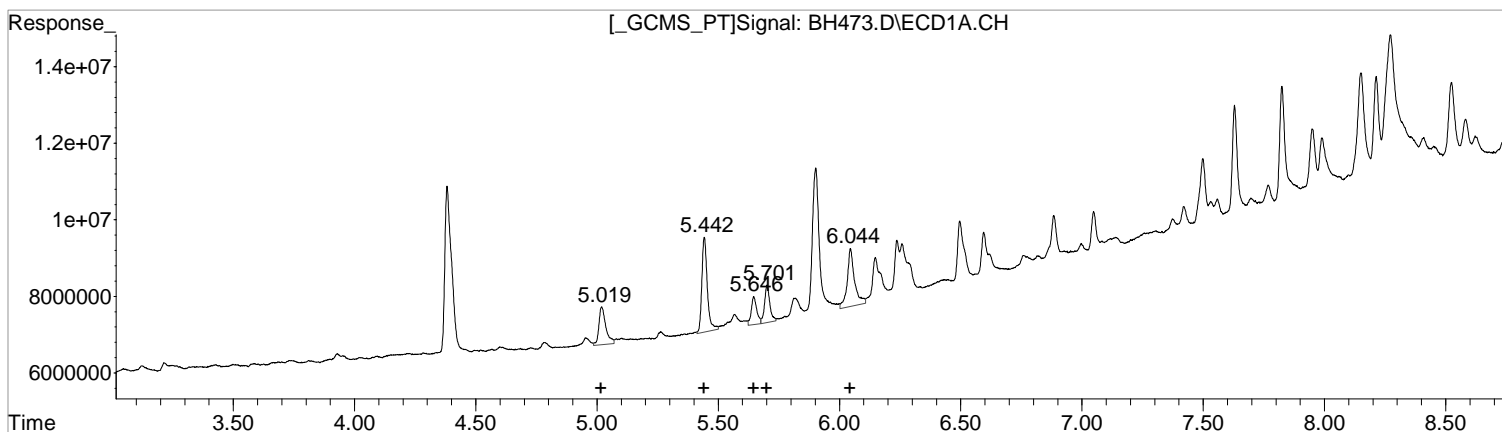
(3) PCB 1016 #2 (L1c)

R.T.	Response	Conc
5.23	3906973	18.84
5.69	9511745	19.15
6.25	5090227	17.78
6.39	8647594	18.64
6.73	6390440	19.23

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(3) PCB 1016 (L1c)

R.T.	Response	Conc
5.02	19744208	19.72
5.44	38670252	17.67
5.65	11467828	19.40
5.70	14944810	18.57
6.04	31874081	18.07

(3) PCB 1016 #2 (L1c)

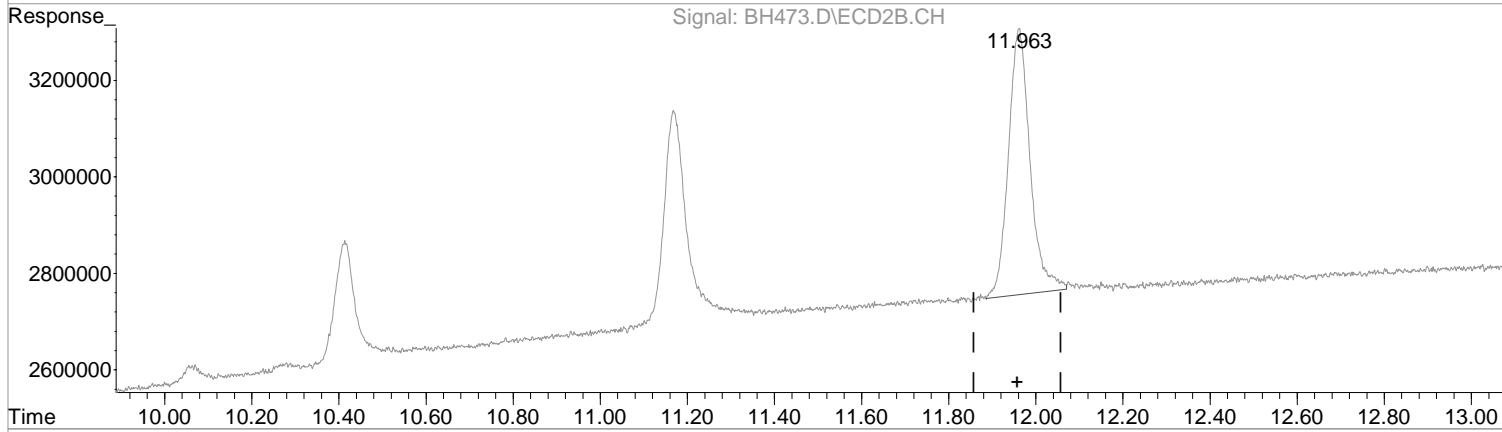
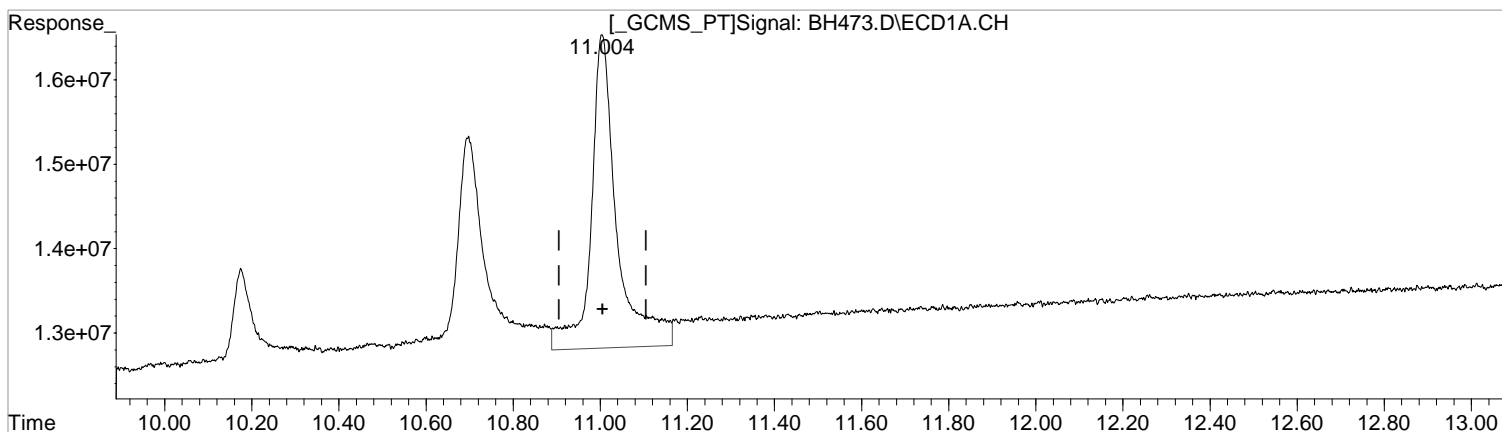
R.T.	Response	Conc
5.23	3906973	18.84
5.69	9511745	19.15
6.25	5519371	19.28
6.39	8647594	18.64
6.73	6390440	19.23

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:11 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)
11.004min 2.701 ug/l
response 153165720

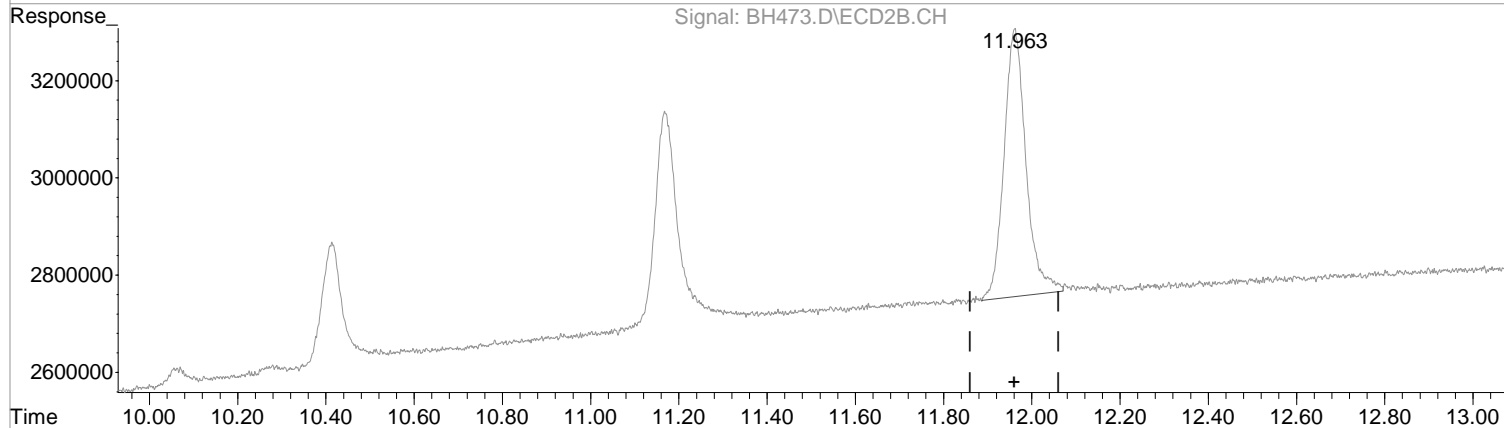
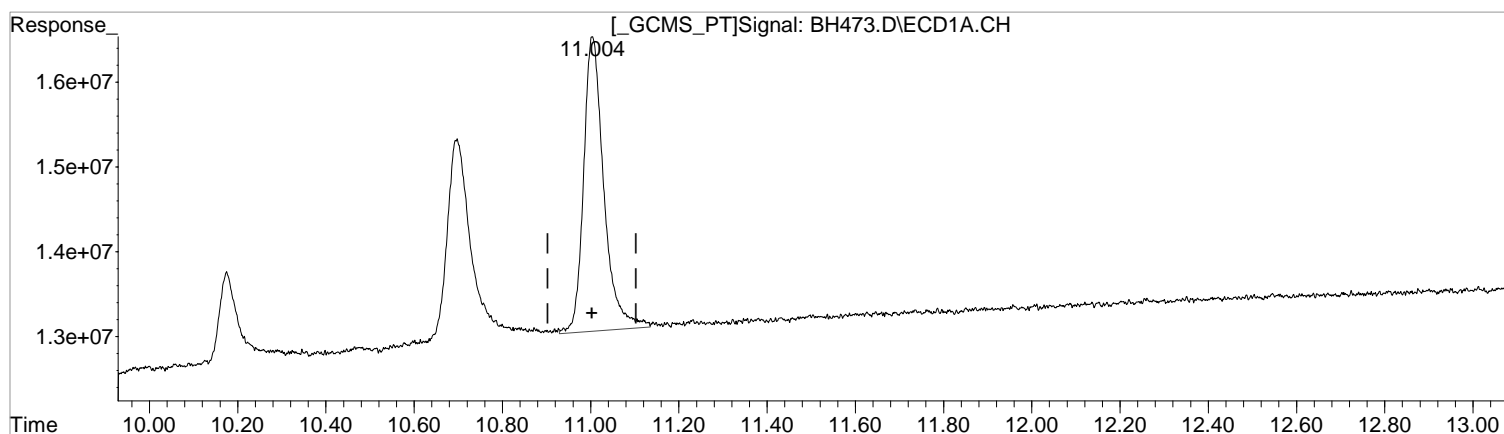
(2) SURR2,Decachlorobiphenyl #2 (S)
11.962min 1.933 ug/l
response 19056708

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)

11.004min 1.908 ug/l m

response 110685402

(2) SURR2,Decachlorobiphenyl #2 (S)

11.962min 1.971 ug/l

response 19056708

Manual Integration:

After

Poor integration.

04/22/19

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900045-01	1660 LL	I:\ACQUADATA\6890G\Data\041619\BH473.D	04/17/2019 00:37
02	RC1900045-02	1660 L	I:\ACQUADATA\6890G\Data\041619\BH474.D	04/17/2019 00:57
03	RC1900045-03	1660 ML	I:\ACQUADATA\6890G\Data\041619\BH475.D	04/17/2019 01:18
04	RC1900045-04	1660 M	I:\ACQUADATA\6890G\Data\041619\BH476.D	04/17/2019 01:37
05	RC1900045-05	1660 MH	I:\ACQUADATA\6890G\Data\041619\BH477.D	04/17/2019 01:57
06	RC1900045-06	1660 H	I:\ACQUADATA\6890G\Data\041619\BH478.D	04/17/2019 02:18
07	RC1900045-07	1221/54 LL	I:\ACQUADATA\6890G\Data\041619\BH479.D	04/17/2019 02:38
08	RC1900045-08	1221/54 L	I:\ACQUADATA\6890G\Data\041619\BH480.D	04/17/2019 02:59
09	RC1900045-09	1221/54 ML	I:\ACQUADATA\6890G\Data\041619\BH481.D	04/17/2019 03:19
10	RC1900045-10	1221/54 M	I:\ACQUADATA\6890G\Data\041619\BH482.D	04/17/2019 03:40
11	RC1900045-11	1221/54 MH	I:\ACQUADATA\6890G\Data\041619\BH483.D	04/17/2019 03:59
12	RC1900045-12	1221/54 H	I:\ACQUADATA\6890G\Data\041619\BH484.D	04/17/2019 04:20
13	RC1900045-13	1232 LL	I:\ACQUADATA\6890G\Data\041619\BH485.D	04/17/2019 04:40
14	RC1900045-14	1232 L	I:\ACQUADATA\6890G\Data\041619\BH486.D	04/17/2019 05:00
15	RC1900045-15	1232 ML	I:\ACQUADATA\6890G\Data\041619\BH487.D	04/17/2019 05:21
16	RC1900045-16	1232 M	I:\ACQUADATA\6890G\Data\041619\BH488.D	04/17/2019 05:41
17	RC1900045-17	1232 MH	I:\ACQUADATA\6890G\Data\041619\BH489.D	04/17/2019 06:02
18	RC1900045-18	1232 H	I:\ACQUADATA\6890G\Data\041619\BH490.D	04/17/2019 06:22
19	RC1900045-19	1242/68 LL	I:\ACQUADATA\6890G\Data\041619\BH491.D	04/17/2019 06:42
20	RC1900045-20	1242/68 L	I:\ACQUADATA\6890G\Data\041619\BH492.D	04/17/2019 07:03
21	RC1900045-21	1242/68 ML	I:\ACQUADATA\6890G\Data\041619\BH493.D	04/17/2019 07:23
22	RC1900045-22	1242/68 M	I:\ACQUADATA\6890G\Data\041619\BH494.D	04/17/2019 07:44
23	RC1900045-23	1242/68 MH	I:\ACQUADATA\6890G\Data\041619\BH495.D	04/17/2019 08:04
24	RC1900045-24	1242/68 H	I:\ACQUADATA\6890G\Data\041619\BH496.D	04/17/2019 08:24
25	RC1900045-25	1248 LL	I:\ACQUADATA\6890G\Data\041619\BH497.D	04/17/2019 08:45
26	RC1900045-26	1248 L	I:\ACQUADATA\6890G\Data\041619\BH498.D	04/17/2019 09:05
27	RC1900045-27	1248 ML	I:\ACQUADATA\6890G\Data\041619\BH499.D	04/17/2019 09:26
28	RC1900045-28	1248 M	I:\ACQUADATA\6890G\Data\041619\BH500.D	04/17/2019 09:46
29	RC1900045-29	1248 MH	I:\ACQUADATA\6890G\Data\041619\BH501.D	04/17/2019 10:06
30	RC1900045-30	1248 H	I:\ACQUADATA\6890G\Data\041619\BH502.D	04/17/2019 10:27
31	RC1900045-31	1262 M	I:\ACQUADATA\6890G\Data\041619\BH503.D	04/17/2019 10:47

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.953E5	02	100.000	2.267E5	03	250.000	2.269E5	04	500.000	2.218E5
05	750.000	1.988E5	06	1000.000	1.75E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.756E5	02	100.000	5.412E5	03	250.000	5.406E5	04	500.000	5.299E5
05	750.000	4.745E5	06	1000.000	4.183E5						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.76E5	02	100.000	2.997E5	03	250.000	3.156E5	04	500.000	3.155E5
05	750.000	2.86E5	06	1000.000	2.465E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.324E5	02	100.000	4.834E5	03	250.000	5.067E5	04	500.000	5.056E5
05	750.000	4.586E5	06	1000.000	3.964E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	3.195E5	02	100.000	3.439E5	03	250.000	3.611E5	04	500.000	3.608E5
05	750.000	3.27E5	06	1000.000	2.815E5						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.384E5	08	100.000	1.113E5	09	250.000	9.774E4	10	500.000	1.003E5
11	750.000	9.041E4	12	1000.000	8.13E4						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.829E5	08	100.000	1.427E5	09	250.000	1.278E5	10	500.000	1.358E5
11	750.000	1.28E5	12	1000.000	1.141E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.167E5	08	100.000	9.35E4	09	250.000	8.369E4	10	500.000	8.988E4
11	750.000	8.392E4	12	1000.000	7.41E4						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.698E5	08	100.000	2.852E5	09	250.000	2.55E5	10	500.000	2.743E5
11	750.000	2.548E5	12	1000.000	2.245E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.733E4	08	100.000	4.668E4	09	250.000	4.119E4	10	500.000	4.47E4
11	750.000	4.171E4	12	1000.000	3.712E4						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	8.218E4	14	100.000	6.705E4	15	250.000	6.403E4	16	500.000	6.056E4
17	750.000	5.88E4	18	1000.000	5.711E4						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	2.95E5	14	100.000	2.261E5	15	250.000	2.208E5	16	500.000	2.089E5
17	750.000	2.02E5	18	1000.000	1.951E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	2.868E5	14	100.000	2.247E5	15	250.000	2.224E5	16	500.000	2.103E5
17	750.000	2.031E5	18	1000.000	1.964E5						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.288E5	14	100.000	1.008E5	15	250.000	1.032E5	16	500.000	9.677E4
17	750.000	9.826E4	18	1000.000	9.164E4						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.54E5	14	100.000	1.256E5	15	250.000	1.319E5	16	500.000	1.233E5
17	750.000	1.262E5	18	1000.000	1.173E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.133E5	20	100.000	1.693E5	21	250.000	1.653E5	22	500.000	1.58E5
23	750.000	1.511E5	24	1000.000	1.428E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	4.845E5	20	100.000	3.817E5	21	250.000	3.739E5	22	500.000	3.556E5
23	750.000	3.425E5	24	1000.000	3.238E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	3.207E5	20	100.000	2.623E5	21	250.000	2.636E5	22	500.000	2.59E5
23	750.000	2.543E5	24	1000.000	2.405E5						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.897E5	20	100.000	2.585E5	21	250.000	2.659E5	22	500.000	2.619E5
23	750.000	2.582E5	24	1000.000	2.436E5						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.161E5	20	100.000	1.984E5	21	250.000	2.163E5	22	500.000	2.056E5
23	750.000	2.009E5	24	1000.000	1.897E5						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.284E5	26	100.000	2.057E5	27	250.000	1.78E5	28	500.000	1.778E5
29	750.000	1.68E5	30	1000.000	1.745E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	4.052E5	26	100.000	3.796E5	27	250.000	3.361E5	28	500.000	3.34E5
29	750.000	3.207E5	30	1000.000	3.353E5						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.335E5	26	100.000	2.286E5	27	250.000	2.018E5	28	500.000	2.012E5
29	750.000	1.936E5	30	1000.000	2.011E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	3.896E5	26	100.000	3.778E5	27	250.000	3.396E5	28	500.000	3.391E5
29	750.000	3.283E5	30	1000.000	3.431E5						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.191E5	26	100.000	2.19E5	27	250.000	2.015E5	28	500.000	2.027E5
29	750.000	1.988E5	30	1000.000	2.074E5						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.887E5	08	100.000	4.475E5	09	250.000	4.031E5	10	500.000	4.524E5
11	750.000	4.229E5	12	1000.000	3.768E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.955E5	08	100.000	3.142E5	09	250.000	2.989E5	10	500.000	3.458E5
11	750.000	3.232E5	12	1000.000	2.877E5						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.781E5	08	100.000	4.412E5	09	250.000	4.155E5	10	500.000	4.758E5
11	750.000	4.487E5	12	1000.000	3.919E5						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.294E5	08	100.000	5.054E5	09	250.000	4.956E5	10	500.000	5.622E5
11	750.000	5.267E5	12	1000.000	4.639E5						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.308E5	08	100.000	1.838E5	09	250.000	1.772E5	10	500.000	2.122E5
11	750.000	2.042E5	12	1000.000	1.78E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	6.174E5	02	100.000	7E5	03	250.000	7.046E5	04	500.000	7.208E5
05	750.000	6.601E5	06	1000.000	5.513E5						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.164E5	02	100.000	5.284E5	03	250.000	5.747E5	04	500.000	6.001E5
05	750.000	5.606E5	06	1000.000	4.664E5						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	8.87E5	02	100.000	1.013E6	03	250.000	1.095E6	04	500.000	1.187E6
05	750.000	1.103E6	06	1000.000	9.158E5						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.147E5	02	100.000	6.122E5	03	250.000	6.324E5	04	500.000	6.737E5
05	750.000	6.352E5	06	1000.000	5.169E5						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.13E5	02	100.000	4.628E5	03	250.000	4.836E5	04	500.000	5.138E5
05	750.000	4.879E5	06	1000.000	3.947E5						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	9.528E6	02	20.000	9.705E6	03	40.000	1.013E7	04	60.000	1.055E7
05	80.000	1.003E7	06	100.000	8.083E6						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.03E7	02	20.000	1.282E7	03	40.000	1.368E7	04	60.000	1.407E7
05	80.000	1.282E7	06	100.000	1.154E7						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	10.2	20	2.074E5	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	9.9	20	4.967E5	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	9.1	20	2.899E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	9.4	20	4.638E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	9.1	20	3.323E5	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	19.3	20	1.032E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	17.1	20	1.385E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	16.1	20	9.03E4	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	18.0	20	2.773E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	15.5	20	4.479E4	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	14.1	20	6.495E4	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	16.2	20	2.247E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	14.6	20	2.24E5	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	12.7	20	1.032E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	9.9	20	1.297E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	14.9	20	1.666E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	15.0	20	3.77E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	10.4	20	2.667E5	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	5.7	20	2.63E5	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	5.1	20	2.045E5	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	12.4	20	1.887E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	9.4	20	3.518E5	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	7.9	20	2.1E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	7.0	20	3.529E5	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	4.3	20	2.081E5	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	16.5	20	4.486E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	11.9	20	3.276E5	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	14.2	20	4.585E5	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	17.4	20	5.472E5	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	11.0	20	1.977E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	9.8	20	6.59E5	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	8.8	20	5.411E5	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	11.3	20	1.033E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	11.1	20	5.975E5	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

**Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC**

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	10.1	20	4.593E5	
Decachlorobiphenyl	SURR	Average RF	% RSD	8.8	20	9.671E6	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	11.2	20	1.254E7	

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900045-01	1660 LL	I:\ACQUADATA\6890G\Data\041619\BH473.D	04/17/2019 00:37
02	RC1900045-02	1660 L	I:\ACQUADATA\6890G\Data\041619\BH474.D	04/17/2019 00:57
03	RC1900045-03	1660 ML	I:\ACQUADATA\6890G\Data\041619\BH475.D	04/17/2019 01:18
04	RC1900045-04	1660 M	I:\ACQUADATA\6890G\Data\041619\BH476.D	04/17/2019 01:37
05	RC1900045-05	1660 MH	I:\ACQUADATA\6890G\Data\041619\BH477.D	04/17/2019 01:57
06	RC1900045-06	1660 H	I:\ACQUADATA\6890G\Data\041619\BH478.D	04/17/2019 02:18
07	RC1900045-07	1221/54 LL	I:\ACQUADATA\6890G\Data\041619\BH479.D	04/17/2019 02:38
08	RC1900045-08	1221/54 L	I:\ACQUADATA\6890G\Data\041619\BH480.D	04/17/2019 02:59
09	RC1900045-09	1221/54 ML	I:\ACQUADATA\6890G\Data\041619\BH481.D	04/17/2019 03:19
10	RC1900045-10	1221/54 M	I:\ACQUADATA\6890G\Data\041619\BH482.D	04/17/2019 03:40
11	RC1900045-11	1221/54 MH	I:\ACQUADATA\6890G\Data\041619\BH483.D	04/17/2019 03:59
12	RC1900045-12	1221/54 H	I:\ACQUADATA\6890G\Data\041619\BH484.D	04/17/2019 04:20
13	RC1900045-13	1232 LL	I:\ACQUADATA\6890G\Data\041619\BH485.D	04/17/2019 04:40
14	RC1900045-14	1232 L	I:\ACQUADATA\6890G\Data\041619\BH486.D	04/17/2019 05:00
15	RC1900045-15	1232 ML	I:\ACQUADATA\6890G\Data\041619\BH487.D	04/17/2019 05:21
16	RC1900045-16	1232 M	I:\ACQUADATA\6890G\Data\041619\BH488.D	04/17/2019 05:41
17	RC1900045-17	1232 MH	I:\ACQUADATA\6890G\Data\041619\BH489.D	04/17/2019 06:02
18	RC1900045-18	1232 H	I:\ACQUADATA\6890G\Data\041619\BH490.D	04/17/2019 06:22
19	RC1900045-19	1242/68 LL	I:\ACQUADATA\6890G\Data\041619\BH491.D	04/17/2019 06:42
20	RC1900045-20	1242/68 L	I:\ACQUADATA\6890G\Data\041619\BH492.D	04/17/2019 07:03
21	RC1900045-21	1242/68 ML	I:\ACQUADATA\6890G\Data\041619\BH493.D	04/17/2019 07:23
22	RC1900045-22	1242/68 M	I:\ACQUADATA\6890G\Data\041619\BH494.D	04/17/2019 07:44
23	RC1900045-23	1242/68 MH	I:\ACQUADATA\6890G\Data\041619\BH495.D	04/17/2019 08:04
24	RC1900045-24	1242/68 H	I:\ACQUADATA\6890G\Data\041619\BH496.D	04/17/2019 08:24
25	RC1900045-25	1248 LL	I:\ACQUADATA\6890G\Data\041619\BH497.D	04/17/2019 08:45
26	RC1900045-26	1248 L	I:\ACQUADATA\6890G\Data\041619\BH498.D	04/17/2019 09:05
27	RC1900045-27	1248 ML	I:\ACQUADATA\6890G\Data\041619\BH499.D	04/17/2019 09:26
28	RC1900045-28	1248 M	I:\ACQUADATA\6890G\Data\041619\BH500.D	04/17/2019 09:46
29	RC1900045-29	1248 MH	I:\ACQUADATA\6890G\Data\041619\BH501.D	04/17/2019 10:06
30	RC1900045-30	1248 H	I:\ACQUADATA\6890G\Data\041619\BH502.D	04/17/2019 10:27
31	RC1900045-31	1262 M	I:\ACQUADATA\6890G\Data\041619\BH503.D	04/17/2019 10:47

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	9.872E5	02	100.000	1.081E6	03	250.000	1.084E6	04	500.000	1.091E6
05	750.000	9.898E5	06	1000.000	8.865E5						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.934E6	02	100.000	2.258E6	03	250.000	2.364E6	04	500.000	2.437E6
05	750.000	2.223E6	06	1000.000	1.993E6						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.734E5	02	100.000	5.944E5	03	250.000	6.335E5	04	500.000	6.653E5
05	750.000	6.09E5	06	1000.000	5.435E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.472E5	02	100.000	8.234E5	03	250.000	8.766E5	04	500.000	9.051E5
05	750.000	8.233E5	06	1000.000	7.381E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.594E6	02	100.000	1.813E6	03	250.000	1.951E6	04	500.000	2.018E6
05	750.000	1.85E6	06	1000.000	1.624E6						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.111E5	08	100.000	5.983E5	09	250.000	5.629E5	10	500.000	6.275E5
11	750.000	5.948E5	12	1000.000	5.357E5						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	4.352E5	08	100.000	3.789E5	09	250.000	3.55E5	10	500.000	3.941E5
11	750.000	3.703E5	12	1000.000	3.319E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.692E6	08	100.000	1.498E6	09	250.000	1.372E6	10	500.000	1.521E6
11	750.000	1.436E6	12	1000.000	1.288E6						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.861E5	08	100.000	3.108E5	09	250.000	2.828E5	10	500.000	3.166E5
11	750.000	2.978E5	12	1000.000	2.644E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.636E6	08	100.000	1.456E6	09	250.000	1.302E6	10	500.000	1.471E6
11	750.000	1.377E6	12	1000.000	1.254E6						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.329E6	14	100.000	1.11E6	15	250.000	1.158E6	16	500.000	1.121E6
17	750.000	1.098E6	18	1000.000	1.078E6						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.09E6	14	100.000	9.122E5	15	250.000	9.313E5	16	500.000	9.09E5
17	750.000	8.953E5	18	1000.000	8.794E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.923E6	14	100.000	1.673E6	15	250.000	1.693E6	16	500.000	1.667E6
17	750.000	1.665E6	18	1000.000	1.603E6						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	6.245E5	14	100.000	7.017E5	15	250.000	7.282E5	16	500.000	7.141E5
17	750.000	7.109E5	18	1000.000	6.848E5						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	6.572E5	14	100.000	6.083E5	15	250.000	6.312E5	16	500.000	6.363E5
17	750.000	6.38E5	18	1000.000	6.134E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	9.307E5	20	100.000	8.207E5	21	250.000	8.021E5	22	500.000	7.941E5
23	750.000	7.725E5	24	1000.000	7.355E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	6.926E5	20	100.000	6.118E5	21	250.000	6.256E5	22	500.000	6.154E5
23	750.000	6.096E5	24	1000.000	5.826E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	3.577E6	20	100.000	3.043E6	21	250.000	3.14E6	22	500.000	3.139E6
23	750.000	3.153E6	24	1000.000	3.034E6						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	1.454E6	20	100.000	1.315E6	21	250.000	1.364E6	22	500.000	1.345E6
23	750.000	1.344E6	24	1000.000	1.29E6						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	1.281E6	20	100.000	1.197E6	21	250.000	1.262E6	22	500.000	1.257E6
23	750.000	1.267E6	24	1000.000	1.212E6						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	9.074E5	26	100.000	9.102E5	27	250.000	8.034E5	28	500.000	8.105E5
29	750.000	7.842E5	30	1000.000	8.295E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.159E6	26	100.000	2.018E6	27	250.000	1.885E6	28	500.000	1.929E6
29	750.000	1.892E6	30	1000.000	2.027E6						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	7.007E5	26	100.000	7.713E5	27	250.000	7.956E5	28	500.000	7.965E5
29	750.000	7.73E5	30	1000.000	8.147E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.931E6	26	100.000	2.022E6	27	250.000	1.935E6	28	500.000	1.967E6
29	750.000	1.946E6	30	1000.000	2.076E6						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.578E6	26	100.000	1.64E6	27	250.000	1.598E6	28	500.000	1.622E6
29	750.000	1.621E6	30	1000.000	1.723E6						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	8.389E5	08	100.000	8.384E5	09	250.000	8.258E5	10	500.000	9.425E5
11	750.000	8.665E5	12	1000.000	7.88E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.398E6	08	100.000	1.23E6	09	250.000	1.216E6	10	500.000	1.453E6
11	750.000	1.374E6	12	1000.000	1.235E6						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.166E6	08	100.000	2.648E6	09	250.000	2.63E6	10	500.000	3.176E6
11	750.000	2.992E6	12	1000.000	2.718E6						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.635E6	08	100.000	1.483E6	09	250.000	1.495E6	10	500.000	1.711E6
11	750.000	1.566E6	12	1000.000	1.416E6						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	8.458E5	08	100.000	8E5	09	250.000	7.972E5	10	500.000	8.797E5
11	750.000	7.805E5	12	1000.000	6.957E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.414E6	02	100.000	2.501E6	03	250.000	2.629E6	04	500.000	2.723E6
05	750.000	2.532E6	06	1000.000	2.153E6						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	3.093E6	02	100.000	3.192E6	03	250.000	3.344E6	04	500.000	3.446E6
05	750.000	3.215E6	06	1000.000	2.703E6						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.404E6	02	100.000	2.468E6	03	250.000	2.664E6	04	500.000	2.786E6
05	750.000	2.622E6	06	1000.000	2.183E6						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.284E6	02	100.000	4.82E6	03	250.000	5.311E6	04	500.000	5.809E6
05	750.000	5.583E6	06	1000.000	4.6E6						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.689E6	02	100.000	1.649E6	03	250.000	1.715E6	04	500.000	1.869E6
05	750.000	1.783E6	06	1000.000	1.442E6						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	5.534E7	02	20.000	5.747E7	03	40.000	6.073E7	04	60.000	6.26E7
05	80.000	5.955E7	06	100.000	4.833E7						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	4.555E7	02	20.000	5.985E7	03	40.000	6.619E7	04	60.000	6.922E7
05	80.000	6.412E7	06	100.000	5.792E7						

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	7.9	20	1.02E6	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	9.1	20	2.202E6	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	7.2	20	6.032E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	8.2	20	8.189E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	9.5	20	1.808E6	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	10.1	20	6.05E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	9.4	20	3.776E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	9.5	20	1.468E6	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	6.6	20	2.931E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	9.7	20	1.416E6	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	8.0	20	1.149E6	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	8.3	20	9.363E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	6.5	20	1.704E6	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	5.3	20	6.94E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	2.8	20	6.307E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	8.2	20	8.093E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	5.9	20	6.229E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	6.3	20	3.181E6	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	4.1	20	1.352E6	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	2.7	20	1.246E6	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	6.5	20	8.409E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	5.3	20	1.985E6	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	5.2	20	7.753E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	2.9	20	1.979E6	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	3.1	20	1.63E6	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	6.1	20	8.5E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	7.8	20	1.318E6	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	8.8	20	2.888E6	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	7.0	20	1.551E6	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	7.9	20	7.998E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	7.9	20	2.492E6	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	8.1	20	3.165E6	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	8.5	20	2.521E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	8.7	20	5.235E6	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	8.5	20	1.691E6	
Decachlorobiphenyl	SURR	Average RF	% RSD	8.9	20	5.734E7	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	13.9	20	6.048E7	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

**Initial Calibration Verification Summary
Polychlorinated Biphenyls (PCBs) by GC**

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900045-32	1660 ICV	I:\ACQUDATA\6890G\Data\041619\BH504.D	04/17/2019 11:08

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016	500	500			0.069	±25	NA
Aroclor 1260	500	461			-7.756	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	489	1.02E6	9.971E5	-2.228	±25	Average RF
Aroclor 1016 {2}	500	496	2.202E6	2.184E6	-0.782	±25	Average RF
Aroclor 1016 {3}	500	500	6.032E5	6.03E5	-0.034	±25	Average RF
Aroclor 1016 {4}	500	507	8.189E5	8.306E5	1.42	±25	Average RF
Aroclor 1016 {5}	500	510	1.808E6	1.844E6	1.97	±25	Average RF
Aroclor 1260 {1}	500	514	2.492E6	2.56E6	2.71	±25	Average RF
Aroclor 1260 {2}	500	512	3.165E6	3.24E6	2.35	±25	Average RF
Aroclor 1260 {3}	500	450	2.521E6	2.269E6	-10.019	±25	Average RF
Aroclor 1260 {4}	500	448	5.235E6	4.687E6	-10.467	±25	Average RF
Aroclor 1260 {5}	500	383	1.691E6	1.296E6	-23.358	±25	Average RF

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903954
Calibration Date: 4/17/2019

**Initial Calibration Verification Summary
Polychlorinated Biphenyls (PCBs) by GC**

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900045-32	1660 ICV	I:\ACQUDATA\6890G\Data\041619\BH504.D	04/17/2019 11:08

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016	500	466			-6.709	±25	NA
Aroclor 1260	500	451			-9.867	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	464	2.074E5	1.925E5	-7.193	±25	Average RF
Aroclor 1016 {2}	500	466	4.967E5	4.628E5	-6.828	±25	Average RF
Aroclor 1016 {3}	500	471	2.899E5	2.731E5	-5.807	±25	Average RF
Aroclor 1016 {4}	500	467	4.638E5	4.336E5	-6.525	±25	Average RF
Aroclor 1016 {5}	500	464	3.323E5	3.084E5	-7.192	±25	Average RF
Aroclor 1260 {1}	500	503	6.59E5	6.633E5	0.645	±25	Average RF
Aroclor 1260 {2}	500	451	5.411E5	4.875E5	-9.898	±25	Average RF
Aroclor 1260 {3}	500	449	1.033E6	9.279E5	-10.214	±25	Average RF
Aroclor 1260 {4}	500	470	5.975E5	5.617E5	-5.996	±25	Average RF
Aroclor 1260 {5}	500	381	4.593E5	3.496E5	-23.874	±25	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 15:12

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH608.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	460	NA	NA	NA	NA	±20	
Aroclor 1260	500	495	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	449	2.074E5	1.862E5	-10.2	NA	±20	Average RF
Aroclor 1016 {2}	500	457	4.967E5	4.54E5	-8.6	NA	±20	Average RF
Aroclor 1016 {3}	500	458	2.899E5	2.656E5	-8.4	NA	±20	Average RF
Aroclor 1016 {4}	500	469	4.638E5	4.349E5	-6.2	NA	±20	Average RF
Aroclor 1016 {5}	500	468	3.323E5	3.111E5	-6.4	NA	±20	Average RF
Aroclor 1260 {1}	500	483	6.59E5	6.361E5	-3.5	NA	±20	Average RF
Aroclor 1260 {2}	500	494	5.411E5	5.344E5	-1.2	NA	±20	Average RF
Aroclor 1260 {3}	500	500	1.033E6	1.033E6	-0.1	NA	±20	Average RF
Aroclor 1260 {4}	500	495	5.975E5	5.917E5	-1.0	NA	±20	Average RF
Aroclor 1260 {5}	500	506	4.593E5	4.65E5	1.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	58.8	9.671E6	9.48E6	-2.0	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	57.7	1.254E7	1.206E7	-3.8	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 15:12

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH608.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	512	NA	NA	NA	NA	±20	
Aroclor 1260	500	496	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	496	1.02E6	1.012E6	-0.8	NA	±20	Average RF
Aroclor 1016 {2}	500	486	2.202E6	2.139E6	-2.9	NA	±20	Average RF
Aroclor 1016 {3}	500	517	6.032E5	6.24E5	3.4	NA	±20	Average RF
Aroclor 1016 {4}	500	534	8.189E5	8.747E5	6.8	NA	±20	Average RF
Aroclor 1016 {5}	500	526	1.808E6	1.902E6	5.2	NA	±20	Average RF
Aroclor 1260 {1}	500	501	2.492E6	2.498E6	0.3	NA	±20	Average RF
Aroclor 1260 {2}	500	502	3.165E6	3.18E6	0.5	NA	±20	Average RF
Aroclor 1260 {3}	500	496	2.521E6	2.5E6	-0.8	NA	±20	Average RF
Aroclor 1260 {4}	500	487	5.235E6	5.096E6	-2.7	NA	±20	Average RF
Aroclor 1260 {5}	500	494	1.691E6	1.671E6	-1.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	59.9	5.734E7	5.729E7	-0.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	66.5	6.048E7	6.701E7	10.8	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 18:56

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH619.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	389	NA	NA	NA	NA	±20	
Aroclor 1260	500	401	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	388	2.074E5	1.61E5	-22.4*	NA	±20	Average RF
Aroclor 1016 {2}	500	390	4.967E5	3.872E5	-22.0*	NA	±20	Average RF
Aroclor 1016 {3}	500	387	2.899E5	2.243E5	-22.6*	NA	±20	Average RF
Aroclor 1016 {4}	500	392	4.638E5	3.638E5	-21.6*	NA	±20	Average RF
Aroclor 1016 {5}	500	389	3.323E5	2.587E5	-22.1*	NA	±20	Average RF
Aroclor 1260 {1}	500	382	6.59E5	5.039E5	-23.5*	NA	±20	Average RF
Aroclor 1260 {2}	500	419	5.411E5	4.539E5	-16.1	NA	±20	Average RF
Aroclor 1260 {3}	500	411	1.033E6	8.491E5	-17.8	NA	±20	Average RF
Aroclor 1260 {4}	500	390	5.975E5	4.66E5	-22.0*	NA	±20	Average RF
Aroclor 1260 {5}	500	405	4.593E5	3.72E5	-19.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	46.9	9.671E6	7.555E6	-21.9*	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	49.6	1.254E7	1.036E7	-17.4	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 18:56

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH619.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	435	NA	NA	NA	NA	±20	
Aroclor 1260	500	416	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	429	1.02E6	8.745E5	-14.3	NA	±20	Average RF
Aroclor 1016 {2}	500	414	2.202E6	1.824E6	-17.1	NA	±20	Average RF
Aroclor 1016 {3}	500	441	6.032E5	5.32E5	-11.8	NA	±20	Average RF
Aroclor 1016 {4}	500	448	8.189E5	7.333E5	-10.5	NA	±20	Average RF
Aroclor 1016 {5}	500	444	1.808E6	1.607E6	-11.2	NA	±20	Average RF
Aroclor 1260 {1}	500	419	2.492E6	2.089E6	-16.2	NA	±20	Average RF
Aroclor 1260 {2}	500	415	3.165E6	2.626E6	-17.0	NA	±20	Average RF
Aroclor 1260 {3}	500	419	2.521E6	2.113E6	-16.2	NA	±20	Average RF
Aroclor 1260 {4}	500	412	5.235E6	4.313E6	-17.6	NA	±20	Average RF
Aroclor 1260 {5}	500	416	1.691E6	1.408E6	-16.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	48.5	5.734E7	4.634E7	-19.2	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	55.1	6.048E7	5.556E7	-8.1	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 22:18

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH629.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	502	NA	NA	NA	NA	±20	
Aroclor 1260	500	542	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	490	2.074E5	2.032E5	-2.1	NA	±20	Average RF
Aroclor 1016 {2}	500	495	4.967E5	4.918E5	-1.0	NA	±20	Average RF
Aroclor 1016 {3}	500	504	2.899E5	2.922E5	0.8	NA	±20	Average RF
Aroclor 1016 {4}	500	510	4.638E5	4.728E5	1.9	NA	±20	Average RF
Aroclor 1016 {5}	500	510	3.323E5	3.388E5	2.0	NA	±20	Average RF
Aroclor 1260 {1}	500	516	6.59E5	6.795E5	3.1	NA	±20	Average RF
Aroclor 1260 {2}	500	545	5.411E5	5.902E5	9.1	NA	±20	Average RF
Aroclor 1260 {3}	500	563	1.033E6	1.164E6	12.6	NA	±20	Average RF
Aroclor 1260 {4}	500	539	5.975E5	6.439E5	7.8	NA	±20	Average RF
Aroclor 1260 {5}	500	549	4.593E5	5.043E5	9.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	63.7	9.671E6	1.026E7	6.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	62.8	1.254E7	1.312E7	4.7	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903954
Date Analyzed: 05/08/19 22:18

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH629.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	574	NA	NA	NA	NA	±20	
Aroclor 1260	500	569	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	558	1.02E6	1.138E6	11.6	NA	±20	Average RF
Aroclor 1016 {2}	500	533	2.202E6	2.348E6	6.7	NA	±20	Average RF
Aroclor 1016 {3}	500	592	6.032E5	7.145E5	18.5	NA	±20	Average RF
Aroclor 1016 {4}	500	595	8.189E5	9.748E5	19.0	NA	±20	Average RF
Aroclor 1016 {5}	500	593	1.808E6	2.144E6	18.6	NA	±20	Average RF
Aroclor 1260 {1}	500	566	2.492E6	2.82E6	13.1	NA	±20	Average RF
Aroclor 1260 {2}	500	561	3.165E6	3.549E6	12.1	NA	±20	Average RF
Aroclor 1260 {3}	500	572	2.521E6	2.882E6	14.3	NA	±20	Average RF
Aroclor 1260 {4}	500	572	5.235E6	5.986E6	14.4	NA	±20	Average RF
Aroclor 1260 {5}	500	573	1.691E6	1.94E6	14.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	67.3	5.734E7	6.434E7	12.2	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	72.4	6.048E7	7.301E7	20.7*	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903954

Analysis Run Log
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:

Analysis Lot:634898
Instrument ID:R-GC-58

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\6890G\Data\050819\BH602.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	11:55:00	
I:\ACQUDATA\6890G\Data\050819\BH603.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	12:38:00	
I:\ACQUDATA\6890G\Data\050819\BH605.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	13:24:00	
I:\ACQUDATA\6890G\Data\050819\BH606.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	13:44:00	
I:\ACQUDATA\6890G\Data\050819\BH607.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	14:05:00	
I:\ACQUDATA\6890G\Data\050819\BH608.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	15:12:00	
I:\ACQUDATA\6890G\Data\050819\BH608.D	Continuing Calibration Verification	RQ1904368-03	5/8/2019	15:12:00	
I:\ACQUDATA\6890G\Data\050819\BH609.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	15:32:00	
I:\ACQUDATA\6890G\Data\050819\BH609.D	Method Blank	RQ1904198-03	5/8/2019	15:32:00	
I:\ACQUDATA\6890G\Data\050819\BH610.D	Lab Control Sample	RQ1904198-06	5/8/2019	15:52:00	
I:\ACQUDATA\6890G\Data\050819\BH610.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	15:52:00	
I:\ACQUDATA\6890G\Data\050819\BH611.D	Duplicate Lab Control Sample	RQ1904198-07	5/8/2019	16:13:00	
I:\ACQUDATA\6890G\Data\050819\BH611.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	16:13:00	
I:\ACQUDATA\6890G\Data\050819\BH612.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	16:33:00	
I:\ACQUDATA\6890G\Data\050819\BH613.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	16:54:00	
I:\ACQUDATA\6890G\Data\050819\BH614.D	TB-02-24 (2-4)	R1903954-003	5/8/2019	17:14:00	
I:\ACQUDATA\6890G\Data\050819\BH615.D	TB-05-24 (1-4)	R1903954-006	5/8/2019	17:34:00	
I:\ACQUDATA\6890G\Data\050819\BH616.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	17:55:00	
I:\ACQUDATA\6890G\Data\050819\BH619.D	Continuing Calibration Verification	RQ1904368-04	5/8/2019	18:56:00	
I:\ACQUDATA\6890G\Data\050819\BH621.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	19:37:00	
I:\ACQUDATA\6890G\Data\050819\BH622.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	19:57:00	
I:\ACQUDATA\6890G\Data\050819\BH623.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	20:16:00	
I:\ACQUDATA\6890G\Data\050819\BH624.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	20:37:00	
I:\ACQUDATA\6890G\Data\050819\BH625.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	20:56:00	
I:\ACQUDATA\6890G\Data\050819\BH626.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	21:17:00	
I:\ACQUDATA\6890G\Data\050819\BH627.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	21:37:00	
I:\ACQUDATA\6890G\Data\050819\BH628.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	21:57:00	
I:\ACQUDATA\6890G\Data\050819\BH629.D	Continuing Calibration Verification	RQ1904368-05	5/8/2019	22:18:00	
I:\ACQUDATA\6890G\Data\050819\BH629.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	22:18:00	
I:\ACQUDATA\6890G\Data\050819\BH630.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	22:39:00	
I:\ACQUDATA\6890G\Data\050819\BH631.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	22:59:00	
I:\ACQUDATA\6890G\Data\050819\BH632.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	23:19:00	
I:\ACQUDATA\6890G\Data\050819\BH633.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/8/2019	23:40:00	
I:\ACQUDATA\6890G\Data\050819\BH634.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	00:00:00	
I:\ACQUDATA\6890G\Data\050819\BH635.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	00:21:00	
I:\ACQUDATA\6890G\Data\050819\BH636.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	00:41:00	
I:\ACQUDATA\6890G\Data\050819\BH637.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	01:00:00	
I:\ACQUDATA\6890G\Data\050819\BH638.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	01:21:00	
I:\ACQUDATA\6890G\Data\050819\BH639.D\ZZZZZZ	ZZZZZZ	ZZZZZZ	5/9/2019	01:41:00	

Analysis: PCB
 Date: 5/18/19

Analyst: A. Moses
 Instr. 6890G

Run Method: PCB.M
 Quant Method: G-PCB041619.M

LIMS Run#: 634771 / 634898

634771

634779

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BIK			DH 598	✓	
	CCV		199075	44	↓	
	CCV		↓	600	✓	
oil	R1904004-001	200		01	✓	
1	CCV		199075	02	✓	
water	R1903918-001			03	✓	Historically low conc.
	R1903881-001 RE	5		04	✓	↓ / diluted for matrix
	R1904200-01			05	✓	
	↓ 02			06	✓	
✓	↓ 03			07	✓	
2/3	CCV		199075	08	✓	
soil	R1904198-03			09	✓	
	↓ 056			10	✓	
	↓ 067			11	✓	
	R1903839-001			12	✓	
	R1903847-001			13	✓	
	R1903954-003			14	✓	
	↓ 006			15	✓	
	R1903955-001	5		16	✓	Diluted for matrix
	R1903957-002	5		17	N	1/20
↓	002 MS	5		18	N	1/20
4	CCV		199075	19	↓	Peak low 1016/1260
soil	002 MS	5		20	N	1/20
	↓ 004	10		21	✓	Diluted for matrix
	R1903967-009			22	✓	
	↓ 010			23	✓	
	R1904026-002			24	✓	
	↓ 004			25	✓	
	↓ 006			26	✓	
	↓ 008			27	✓	
↓	↓ 010			28	✓	
5/6	CCV		199075	29	✓	
2L	R1904098-03			30	✓	
	↓ 04			31	✓	
	↓ 05			32	✓	
	R1903829-005			33	✓	
	↓ 008			34	✓	
	↓ 008 MS			35	✓	
	↓ 008 DMS			36	✓	
↓	↓ 016			37	✓	
	↓ 017			38	✓	
X	CCV		199075	39	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Runlog GCEXT r1 12/5/12

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903954

Polychlorinated Biphenyls (PCBs) by GC

Prep Method: EPA 3541
Analytical Method: 8082A

Extraction Lot: 336082
Extraction Date: 05/07/19 07:35

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
TB-02-24 (2-4)	R1903954-003	4/30/19	5/2/19	29.7800 g	10 mL	85.3
TB-05-24 (1-4)	R1903954-006	4/30/19	5/2/19	30.2700 g	10 mL	76.5
Method Blank	RQ1904198-03MB	NA	NA	29.9700 g	10 mL	
Lab Control Sample	RQ1904198-06LCS	NA	NA	29.3200 g	10 mL	
Duplicate Lab Control Sample	RQ1904198-07DLCS	NA	NA	30.3300 g	10 mL	

Preparation Information Benchsheet

Prep Run#: 336082
Team: Semiova GC/VSTAUFFER

Prep Workflow: OrgExHS(14)
Prep Method: EPA 3541

Status: Prepped
Prep Date/Time: 5/7/19 07:35

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904198-03	MB		29.9700g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198620	
2	RQ1904198-03	MB		29.9700g	8082A/PCB				10.00mL	sand	1.0000 mL/198620	
3	RQ1904198-04	LCS		29.8000g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198056	
4	RQ1904198-05	DLCs		30.2300g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198056	
5	RQ1904198-06	LCS		29.3200g	8082A/PCB				10.00mL	sand	1.0000 mL/198620	
6	RQ1904198-07	DLCs		30.3300g	8082A/PCB				10.00mL	sand	1.0000 mL/198620	
7	R1903839-001	Sludge		29.3700g	8081B/Pest OC				10.00mL	black	1.0000 mL/198620	
8	R1903839-001	Sludge		29.3700g	8082A/PCB				10.00mL	black	1.0000 mL/198620	
9	R1903839-001	U-60/67		30.3100g	8082A/PCB				10.00mL	grey stones	1.0000 mL/198620	
10	R1903954-003	TB-02-24 (2-4)		29.7800g	8082A/PCB				10.00mL	black and white; rocky	1.0000 mL/198620	
11	R1903954-006	TB-05-24 (1-4)		30.2700g	8082A/PCB				10.00mL	black and white; rocky	1.0000 mL/198620	
12	R1903955-001	IDW-1		29.3900g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	
13	R1903957-002	TP-02 (2-4)		29.8300g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
14	RQ1904198-01	R1903957-002 MS		29.9700g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
15	RQ1904198-02	R1903957-002 DMS		29.9700g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
16	R1903957-004	TP-04 (4-5)		30.0600g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
17	R1903967-009	B-3		30.0400g	8081B/Pest OC				10.00mL	brown	1.0000 mL/198620	
18	R1903967-009	B-3		30.0400g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	
19	R1903967-010	B-4		30.0300g	8081B/Pest OC				10.00mL	brown	1.0000 mL/198620	
20	R1903967-010	B-4		30.0300g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	

Spike Solutions

Name: 8082 Spike 5 ug/mL AR 1260 Inventory ID: 196869 Logbook Ref: Expires On: 08/10/2019
Name: 608 LCS Spike STD Inventory ID: 198056 Logbook Ref: Expires On: 06/15/2019
Name: 8081/8082 Surrogate Spike STD 1 ug/mL Inventory ID: 198620 Logbook Ref: Expires On: 10/16/2019

Preparation Materials

50:50 acetone:hexane mix (199224) Eppendorf Pipette Repeater EXT #18 (184837)
 Prepared Sodium Sulfate (198693) Prepared Tetrabutylammonium (198647)
 Na2SO4 hydrogen sulfate (TBA)

Preparation Information Benchsheet

Prep Run#: 336082
 Team: Semivoa GC/VSTAUFFER

Prep WorkFlow: OrgExs(14)
 Prep Method: EPA 3541

Status: Prepped
 Prep Date/Time: 5/7/19 07:35

Preparation Steps

Step:	Extraction	Concentration	Step:	Acid Clean-EPA 3665A	Step:	Sulfur Clean-EPA 3660B	Step:	Extraction Complete	
Started:	5/7/19 07:35	Started:	5/8/19 11:32	Started:	5/8/19 13:30	Started:	5/8/19 12:45	Started:	5/8/19 14:00
Finished:	5/7/19 17:22	Finished:	5/8/19 12:45	Finished:	5/8/19 14:00	Finished:	5/8/19 13:30	Finished:	5/8/19 14:15
By:	VSTAUFFER	By:	AMOSEs	By:	AMOSEs	By:	AMOSEs	By:	AMOSEs
Comments		Comments		Comments		Comments		Comments	

Comments: _____

Reviewed By: [Signature] Date: 5/9/19 Spike Witness: BALLGEIER Date: _____

Chain of Custody

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____
 Extracts Examined
 Yes No



Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-01-24 (1-3) Lab Code: R1903954-001

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.792	1.0	9.8		N*
Barium	6010C	2.3	1.1	1.0	213		N
Cadmium	6010C	0.566	0.083	1.0	0.577		
Mercury	7471B	0.039	0.007	1.0	0.768		
Chromium	6010C	1.1	0.396	1.0	9.3		
Lead	6010C	113	9.1	20.0	4390		*
Selenium	6010C	1.1	0.611	1.0	1.1	U	
Silver	6010C	1.1	0.080	1.0	0.339	J	

% Solids: 83.4

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. Service Request: TB-01-24 (1-3)
Project No.: R1903954 Date Collected: 4/30/2019
Project Name: Date Received: 5/2/2019
Matrix: SOIL Units: mg/Kg
Basis:

Sample Name: TB-02-24 (2-4) Lab Code: R1903954-003

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.1	0.774	1.0	4.1		N*
Barium	6010C	2.2	1.1	1.0	76.0		N
Cadmium	6010C	0.553	0.081	1.0	0.354	J	
Mercury	7471B	0.039	0.007	1.0	0.312		
Chromium	6010C	1.1	0.387	1.0	6.5		
Lead	6010C	5.5	0.442	1.0	93.6		*
Selenium	6010C	1.1	0.597	1.0	1.1	U	
Silver	6010C	1.1	0.079	1.0	0.387	J	

% Solids: 85.3

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc.	Service Request: TB-01-24 (1-3)
Project No.: R1903954	Date Collected: 4/30/2019
Project Name:	Date Received: 5/2/2019
Matrix: SOIL	Units: mg/Kg
	Basis:

Sample Name: TB-05-24 (1-4)	Lab Code: R1903954-006
-----------------------------	------------------------

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.3	0.915	1.0	4.6		N*
Barium	6010C	2.6	1.3	1.0	52.7		N
Cadmium	6010C	0.654	0.095	1.0	0.170	J	
Mercury	7471B	0.043	0.007	1.0	0.043		
Chromium	6010C	1.3	0.458	1.0	10.9		
Lead	6010C	6.5	0.523	1.0	77.1		*
Selenium	6010C	1.3	0.706	1.0	1.3	U	
Silver	6010C	1.3	0.093	1.0	0.105	J	

% Solids: 76.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. **Service Request:** TB-01-24 (1-3)
Project No.: R1903954 **Date Collected:** 4/30/2019
Project Name: **Date Received:** 5/2/2019
Matrix: SOIL **Units:** mg/Kg
Basis:

Sample Name: TB-06-24 (4-5) **Lab Code:** R1903954-008

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.0	0.724	1.0	9.2		N*
Barium	6010C	2.1	1.0	1.0	69.5		N
Cadmium	6010C	0.517	0.076	1.0	1.0		
Mercury	7471B	0.037	0.006	1.0	0.119		
Chromium	6010C	1.0	0.362	1.0	6.8		
Lead	6010C	5.2	0.414	1.0	294		*
Selenium	6010C	1.0	0.559	1.0	1.0	U	
Silver	6010C	1.0	0.073	1.0	1.0	U	

% Solids: 89.5

Comments:

METALS
- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Day Environmental, Inc. **Service Request:** TB-01-24 (1-3)
Project No.: R1903954 **Date Collected:** 4/30/2019
Project Name: **Date Received:** 5/2/2019
Matrix: SOIL **Units:** mg/Kg
Basis:

Sample Name: TB-07-24 (2-4) **Lab Code:** R1903954-010

Analyte	Analysis Method	PQL	MDL	Dil. Factor	Result	C	Q
Arsenic	6010C	1.0	0.717	1.0	5.5		N*
Barium	6010C	2.1	0.993	1.0	122		N
Cadmium	6010C	0.512	0.075	1.0	1.2		
Mercury	7471B	0.035	0.006	1.0	0.210		
Chromium	6010C	1.0	0.358	1.0	8.1		
Lead	6010C	5.1	0.410	1.0	206		*
Selenium	6010C	1.0	0.553	1.0	1.0	U	
Silver	6010C	1.0	0.073	1.0	1.0	U	

% Solids: 88.8

Comments:

Metals Cover Page

Analyst: ZH

Date: 5/7/19

Instrument: ICP6

Data File: lomag07B

Reviewed By: CK/5/8/19

Entered By: CK/5/8/19

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
634743	AsPbSe	336018	6010C		

CK/5/7/19

634749	Tal+B	336053	6010C		R3917-009 Fe -013 Na
634749					

634745	Tal+BmAsnTiSr	336054	6010C(004)		LOD/LOD

634746	Tal+BmAsnSr	336055	6010C		

634747	Tal+BSn	336057	6010C		R3918-001 BC&KNaTL R3953-020 Fe

ICP-6 Run Log
Serial number: MY15340001

Analyst: LH

Date: 5/7/19

Data File: 6MAY07B

	Prep Date	Lot #		Prep Date	Lot #
MRL	4/20/19	M7860054A	Cal Std 1	3/1/19	M7820020B
ICSA	3/20/19	M7860006B	Cal Std 2	4/1/19	M7860021B
ICSAB	4/9/19	M7860015B	Cal Std 5/ HLCCV1		M7860032B
Int. Std	5/2/19	M7860026B	ICV/CCV	5/7/19	M7860048B
HLCCV3	5/1/19	M7860056E	HLCCV2	4/29/19	M7860057E

(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)

Blank Prep - Daily	NHO3	HCl	Pipet Used	DOD Pipet Verification	IEC Date
	5/1/19				
Lot	M7860056E	M7860015B	M25, M34		

1:1	PBS-336018	S1:6	Continuing Calibration Verification	1:48	R1903919-003
1:2	LCSS-336018	S1:7	Continuing Calibration Blank	1:49	R1903919-004
1:3	R1903954-001 20X	1:23	R1903917-004L	1:50	R1903919-005
1:4	R1903954-001S 20X	1:24	R1903917-005	1:51	R1903919-006
1:5	R1903954-001SD 20X	1:25	R1903917-006	1:52	R1903919-007
1:6	R1903954-001A 20X	1:26	R1903917-007	1:53	R1903919-008
1:7	R1903954-001L 20X	1:27	R1903917-008	1:54	R1903919-009
1:8	R1903954-001	1:28	R1903917-009	1:55	R1903919-009L
S1:24	R1903954-001S	1:29	R1903917-010	1:56	R1903966-001
S1:25	R1903954-001SD	1:30	R1903917-011	S1:6	Continuing Calibration Verification
S1:6	Continuing Calibration Verification	1:31	R1903917-012 RINSE	S1:7	Continuing Calibration Blank
S1:7	Continuing Calibration Blank	1:32	R1903917-013	1:57	R1903966-001L
S1:26	R1903954-001A	S1:6	Continuing Calibration Verification	1:58	R1903971-001
S1:27	R1903954-001L	S1:7	Continuing Calibration Blank	1:59	R1903971-006
1:9	R1903954-003	1:33	R1903917-014	1:60	R1903971-011
1:10	R1903954-006	1:34	R1903917-015	S1:6	Continuing Calibration Verification
1:11	R1903954-008	1:35	R1903917-016	S1:7	Continuing Calibration Blank
1:12	R1903954-010	1:36	R1903917-017	S1:3	Contract Required Detection Limit
S1:6	Continuing Calibration Verification	1:37	R1903917-018	S1:4	Interference Check Solution A
S1:7	Continuing Calibration Blank	S1:6	Continuing Calibration Verification	S1:5	Interference Check Solution AB
S1:3	Contract Required Detection Limit	S1:7	Continuing Calibration Blank	S1:8	Continuing Calibration Verification1
S1:4	Interference Check Solution A	S1:3	Contract Required Detection Limit	S1:9	Continuing Calibration Blank1
S1:5	Interference Check Solution AB	S1:4	Interference Check Solution A	2:1	PBW-336057
S1:21	HLCCV2	S1:5	Interference Check Solution AB	2:2	LCSS-336057
S1:22	HLCCV3	S1:6	Continuing Calibration Verification	2:3	DLCSW-336057
S1:18	HLCCV1	S1:7	Continuing Calibration Blank	2:4	R1903918-001
S1:6	Continuing Calibration Verification	1:38	PBW-336055	2:5	R1903918-001L
S1:7	Continuing Calibration Blank	1:39	LCSW-336055	2:6	R1903953-002
1:13	PBW-336053	1:40	DLCSW-336055	2:7	R1903953-003
1:14	LCSS-336053	S1:33	LOD	2:8	R1903953-004
1:15	R1902784-013	S1:34	LOQ	2:9	R1903953-005
1:16	R1903917-001	1:41	R1903833-001	2:10	R1903953-006
1:17	R1903917-002	1:42	R1903833-002	S1:8	Continuing Calibration Verification1
1:18	R1903917-003	1:43	R1903833-003	S1:9	Continuing Calibration Blank1
1:19	R1903917-004	1:44	R1903833-004	2:11	R1903953-007
1:20	R1903917-004S	1:45	R1903833-005	2:12	R1903953-008
1:21	R1903917-004SD	1:46	R1903919-001	2:13	R1903953-009
1:22	R1903917-004A	S1:6	Continuing Calibration Verification	2:14	R1903953-010
		S1:7	Continuing Calibration Blank	2:15	R1903953-011
		1:47	R1903919-002	2:16	R1903953-012

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ICP-6 Run Log
Serial number: MY15340001

Analyst: LH

Date: 5/11/19

Data File: 6MAY07B

Prep Date	Lot #	Prep Date	Lot #
MRL			
ICSA			
ICSAB			
Int. Std			
(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)			
Blank Prep - Daily	NHO3	HCl	
Lot			

See previous page

2:17	R1903953-013
2:18	R1903953-014
2:19	R1903953-015 RINSE
2:20	R1903953-016
S1:8	Continuing Calibration Verification1
S1:9	Continuing Calibration Blank1
2:21	R1903953-017
2:22	R1903953-018
2:23	R1903953-019
2:24	R1903953-020
2:25	R1903953-020L
S1:8	Continuing Calibration Verification1
S1:9	Continuing Calibration Blank1
S1:3	Contract Required Detection Limit
S1:4	Interference Check Solution A

ICSAB
CCV
CCB 6/5/18/19

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Path: C:\Agilent\ICP Expert\My Results\6MAY07B.esws

Date created: 5/7/2019 3:03:32 PM

Instrument used: MY15340001

Software Version : 7.4.1.10449

Firmware Version : 3585

Notes:

Handwritten notes:
 Analyzed:
 5/7/19
 (OK 5/8/19)

Detailed Results

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:05:32	Blank	Ag (328.068 nm)	N/A	0.0000 (ppm)	-131.3020
5/7/2019 16:05:32	Blank	Al (394.401 nm)	N/A	0.0000 (ppm)	298.9765
5/7/2019 16:05:32	Blank	As (188.980 nm)	N/A	0.0000 (ppm)	-0.1911
5/7/2019 16:05:32	Blank	B (249.772 nm)	N/A	0.0000 (ppm)	123.2583
5/7/2019 16:05:32	Blank	Ba (230.424 nm)	N/A	0.0000 (ppm)	43.8775
5/7/2019 16:05:32	Blank	Be (313.107 nm)	N/A	0.0000 (ppm)	-297.0809
5/7/2019 16:05:32	Blank	Ca (227.547 nm)	N/A	0.0000 (ppm)	0.8998
5/7/2019 16:05:32	Blank	Cd (214.439 nm)	N/A	0.0000 (ppm)	4.6254
5/7/2019 16:05:32	Blank	Co (230.786 nm)	N/A	0.0000 (ppm)	-2.3937
5/7/2019 16:05:32	Blank	Cr (267.716 nm)	N/A	0.0000 (ppm)	17.5740
5/7/2019 16:05:32	Blank	Cu (327.395 nm)	N/A	0.0000 (ppm)	25.7081
5/7/2019 16:05:32	Blank	Fe (234.350 nm)	N/A	0.0000 (ppm)	48.2572
5/7/2019 16:05:32	Blank	K (766.491 nm)	N/A	0.0000 (ppm)	-10.1493
5/7/2019 16:05:32	Blank	Mg (279.078 nm)	N/A	0.0000 (ppm)	23.5232
5/7/2019 16:05:32	Blank	Mn (257.610 nm)	N/A	0.0000 (ppm)	62.8011
5/7/2019 16:05:32	Blank	Mo (202.032 nm)	N/A	0.0000 (ppm)	8.3564
5/7/2019 16:05:32	Blank	Na (588.995 nm)	N/A	0.0000 (ppm)	-7227.5666
5/7/2019 16:05:32	Blank	Ni (230.299 nm)	N/A	0.0000 (ppm)	-12.3118
5/7/2019 16:05:32	Blank	Pb (220.353 nm)	N/A	0.0000 (ppm)	3.7449
5/7/2019 16:05:32	Blank	Sb (217.582 nm)	N/A	0.0000 (ppm)	-0.2047
5/7/2019 16:05:32	Blank	Se (196.026 nm)	N/A	0.0000 (ppm)	3.6568
5/7/2019 16:05:32	Blank	Sn (189.925 nm)	N/A	0.0000 (ppm)	-0.8533
5/7/2019 16:05:32	Blank	Sr (216.596 nm)	N/A	0.0000 (ppm)	0.9889
5/7/2019 16:05:32	Blank	Ti (336.122 nm)	N/A	0.0000 (ppm)	52.0084
5/7/2019 16:05:32	Blank	Tl (351.923 nm)	N/A	0.0000 (ppm)	1.2791
5/7/2019 16:05:32	Blank	V (292.401 nm)	N/A	0.0000 (ppm)	49.4442
5/7/2019 16:05:32	Blank	Y (360.074 nm)	0.00	1.00 (Ratio)	973349.06
5/7/2019 16:05:32	Blank	Y_R (360.074 nm)	0.00	1.00 (Ratio)	973349.06
5/7/2019 16:05:32	Blank	Zn (213.857 nm)	N/A	0.0000 (ppm)	-6.9085
5/7/2019 16:08:53	Standard 1	Ag (328.068 nm)	N/A		-135.9653
5/7/2019 16:08:53	Standard 1	Al (394.401 nm)	N/A		544.7752
5/7/2019 16:08:53	Standard 1	As (188.980 nm)	N/A	0.0050 (ppm)	3.2443
5/7/2019 16:08:53	Standard 1	B (249.772 nm)	N/A		103.7507
5/7/2019 16:08:53	Standard 1	Ba (230.424 nm)	N/A	0.0200 (ppm)	1032.2300
5/7/2019 16:08:53	Standard 1	Be (313.107 nm)	N/A		-311.3178
5/7/2019 16:08:53	Standard 1	Ca (227.547 nm)	N/A		30.7660
5/7/2019 16:08:53	Standard 1	Cd (214.439 nm)	N/A	0.0010 (ppm)	24.1950
5/7/2019 16:08:53	Standard 1	Co (230.786 nm)	N/A	0.0030 (ppm)	34.9846
5/7/2019 16:08:53	Standard 1	Cr (267.716 nm)	N/A	0.0050 (ppm)	265.2668
5/7/2019 16:08:53	Standard 1	Cu (327.395 nm)	N/A	0.0100 (ppm)	693.9225

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:08:53	Standard 1	Fe (234.350 nm)	N/A		66.2944
5/7/2019 16:08:53	Standard 1	K (766.491 nm)	N/A		6608.1280
5/7/2019 16:08:53	Standard 1	Mg (279.078 nm)	N/A		1126.9678
5/7/2019 16:08:53	Standard 1	Mn (257.610 nm)	N/A	0.0100 (ppm)	3543.8311
5/7/2019 16:08:53	Standard 1	Mo (202.032 nm)	N/A	0.0250 (ppm)	150.2953
5/7/2019 16:08:53	Standard 1	Na (588.995 nm)	N/A		17128.4333
5/7/2019 16:08:53	Standard 1	Ni (230.299 nm)	N/A		-13.3823
5/7/2019 16:08:53	Standard 1	Pb (220.353 nm)	N/A	0.0050 (ppm)	17.8835
5/7/2019 16:08:53	Standard 1	Sb (217.582 nm)	N/A	0.0100 (ppm)	12.1706
5/7/2019 16:08:53	Standard 1	Se (196.026 nm)	N/A		5.9935
5/7/2019 16:08:53	Standard 1	Sn (189.925 nm)	N/A		-1.8624
5/7/2019 16:08:53	Standard 1	Sr (216.596 nm)	N/A		-1.5691
5/7/2019 16:08:53	Standard 1	Ti (336.122 nm)	N/A		-16.2140
5/7/2019 16:08:53	Standard 1	Tl (351.923 nm)	N/A	0.0100 (ppm)	29.2866
5/7/2019 16:08:53	Standard 1	V (292.401 nm)	N/A	0.0030 (ppm)	135.2824
5/7/2019 16:08:53	Standard 1	Y (360.074 nm)	0.37	1.00 (Ratio)	972546.76
5/7/2019 16:08:53	Standard 1	Y_R (360.074 nm)	0.37	1.00 (Ratio)	972546.76
5/7/2019 16:08:53	Standard 1	Zn (213.857 nm)	N/A	0.0100 (ppm)	334.2764
5/7/2019 16:12:14	Standard 2	Ag (328.068 nm)	N/A		-136.5178
5/7/2019 16:12:14	Standard 2	Al (394.401 nm)	N/A	0.1000 (ppm)	1757.0737
5/7/2019 16:12:14	Standard 2	As (188.980 nm)	N/A	0.0100 (ppm)	6.5200
5/7/2019 16:12:14	Standard 2	B (249.772 nm)	N/A	0.2000 (ppm)	7308.2105
5/7/2019 16:12:14	Standard 2	Ba (230.424 nm)	N/A		14.6562
5/7/2019 16:12:14	Standard 2	Be (313.107 nm)	N/A	0.0030 (ppm)	3555.2431
5/7/2019 16:12:14	Standard 2	Ca (227.547 nm)	N/A	1.0000 (ppm)	59.5663
5/7/2019 16:12:14	Standard 2	Cd (214.439 nm)	N/A	0.0050 (ppm)	103.8032
5/7/2019 16:12:14	Standard 2	Co (230.786 nm)	N/A		-4.0740
5/7/2019 16:12:14	Standard 2	Cr (267.716 nm)	N/A		37.7204
5/7/2019 16:12:14	Standard 2	Cu (327.395 nm)	N/A	0.0200 (ppm)	1341.7408
5/7/2019 16:12:14	Standard 2	Fe (234.350 nm)	N/A		54.3306
5/7/2019 16:12:14	Standard 2	K (766.491 nm)	N/A	2.0000 (ppm)	6522.2720
5/7/2019 16:12:14	Standard 2	Mg (279.078 nm)	N/A	1.0000 (ppm)	16.5637
5/7/2019 16:12:14	Standard 2	Mn (257.610 nm)	N/A		41.9430
5/7/2019 16:12:14	Standard 2	Mo (202.032 nm)	N/A		2.7538
5/7/2019 16:12:14	Standard 2	Na (588.995 nm)	N/A	1.0000 (ppm)	41519.1636
5/7/2019 16:12:14	Standard 2	Ni (230.299 nm)	N/A		-8.5010
5/7/2019 16:12:14	Standard 2	Pb (220.353 nm)	N/A	0.0500 (ppm)	149.0470
5/7/2019 16:12:14	Standard 2	Sb (217.582 nm)	N/A	0.0600 (ppm)	68.4422
5/7/2019 16:12:14	Standard 2	Se (196.026 nm)	N/A	0.0100 (ppm)	6.5296
5/7/2019 16:12:14	Standard 2	Sn (189.925 nm)	N/A	0.5000 (ppm)	345.5488
5/7/2019 16:12:14	Standard 2	Sr (216.596 nm)	N/A		-0.4765
5/7/2019 16:12:14	Standard 2	Ti (336.122 nm)	N/A		-52.5253
5/7/2019 16:12:14	Standard 2	Tl (351.923 nm)	N/A		-2.1369
5/7/2019 16:12:14	Standard 2	V (292.401 nm)	N/A		47.2688
5/7/2019 16:12:14	Standard 2	Y (360.074 nm)	0.41	1.00 (Ratio)	974522.06
5/7/2019 16:12:14	Standard 2	Y_R (360.074 nm)	0.41	1.00 (Ratio)	974522.06
5/7/2019 16:12:14	Standard 2	Zn (213.857 nm)	N/A		14.9387
5/7/2019 16:15:35	Standard 3	Ag (328.068 nm)	N/A	0.0100 (ppm)	600.0518
5/7/2019 16:15:35	Standard 3	Al (394.401 nm)	N/A		3201.4732
5/7/2019 16:15:35	Standard 3	As (188.980 nm)	N/A		12.2122
5/7/2019 16:15:35	Standard 3	B (249.772 nm)	N/A		1937.4566

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:15:35	Standard 3	Ba (230.424 nm)	N/A		9682.7525
5/7/2019 16:15:35	Standard 3	Be (313.107 nm)	N/A	0.0050 (ppm)	6045.7303
5/7/2019 16:15:35	Standard 3	Ca (227.547 nm)	N/A	0.5000 (ppm)	30.4570
5/7/2019 16:15:35	Standard 3	Cd (214.439 nm)	N/A		206.0030
5/7/2019 16:15:35	Standard 3	Co (230.786 nm)	N/A	0.0500 (ppm)	626.9866
5/7/2019 16:15:35	Standard 3	Cr (267.716 nm)	N/A	0.0100 (ppm)	418.7183
5/7/2019 16:15:35	Standard 3	Cu (327.395 nm)	N/A		1612.1951
5/7/2019 16:15:35	Standard 3	Fe (234.350 nm)	N/A	0.1000 (ppm)	1111.5360
5/7/2019 16:15:35	Standard 3	K (766.491 nm)	N/A	0.5000 (ppm)	1605.2430
5/7/2019 16:15:35	Standard 3	Mg (279.078 nm)	N/A	0.5000 (ppm)	1126.2679
5/7/2019 16:15:35	Standard 3	Mn (257.610 nm)	N/A		4854.3306
5/7/2019 16:15:35	Standard 3	Mo (202.032 nm)	N/A		275.5710
5/7/2019 16:15:35	Standard 3	Na (588.995 nm)	N/A	0.5000 (ppm)	16602.3049
5/7/2019 16:15:35	Standard 3	Ni (230.299 nm)	N/A	0.0400 (ppm)	391.8632
5/7/2019 16:15:35	Standard 3	Pb (220.353 nm)	N/A		32.1514
5/7/2019 16:15:35	Standard 3	Sb (217.582 nm)	N/A		115.1172
5/7/2019 16:15:35	Standard 3	Se (196.026 nm)	N/A		8.4985
5/7/2019 16:15:35	Standard 3	Sn (189.925 nm)	N/A		69.1698
5/7/2019 16:15:35	Standard 3	Sr (216.596 nm)	N/A	0.0500 (ppm)	504.4367
5/7/2019 16:15:35	Standard 3	Ti (336.122 nm)	N/A	0.0500 (ppm)	12148.9043
5/7/2019 16:15:35	Standard 3	Tl (351.923 nm)	N/A	0.0200 (ppm)	53.0891
5/7/2019 16:15:35	Standard 3	V (292.401 nm)	N/A	0.0500 (ppm)	1580.9083
5/7/2019 16:15:35	Standard 3	Y (360.074 nm)	0.40	1.00 (Ratio)	973204.49
5/7/2019 16:15:35	Standard 3	Y_R (360.074 nm)	0.40	1.00 (Ratio)	973204.49
5/7/2019 16:15:35	Standard 3	Zn (213.857 nm)	N/A	0.0200 (ppm)	651.6908
5/7/2019 16:18:55	Standard 4	Ag (328.068 nm)	N/A	0.2000 (ppm)	14550.2849
5/7/2019 16:18:55	Standard 4	Al (394.401 nm)	N/A	4.0000 (ppm)	64578.3099
5/7/2019 16:18:55	Standard 4	As (188.980 nm)	N/A	0.4000 (ppm)	252.1213
5/7/2019 16:18:55	Standard 4	B (249.772 nm)	N/A	1.0000 (ppm)	38382.5367
5/7/2019 16:18:55	Standard 4	Ba (230.424 nm)	N/A	4.0000 (ppm)	193645.1168
5/7/2019 16:18:55	Standard 4	Be (313.107 nm)	N/A	0.1000 (ppm)	131554.5729
5/7/2019 16:18:55	Standard 4	Ca (227.547 nm)	N/A	10.0000 (ppm)	586.0822
5/7/2019 16:18:55	Standard 4	Cd (214.439 nm)	N/A	0.2000 (ppm)	4102.3386
5/7/2019 16:18:55	Standard 4	Co (230.786 nm)	N/A	1.0000 (ppm)	12749.7067
5/7/2019 16:18:55	Standard 4	Cr (267.716 nm)	N/A	0.2000 (ppm)	8191.7215
5/7/2019 16:18:55	Standard 4	Cu (327.395 nm)	N/A	0.5000 (ppm)	32425.0949
5/7/2019 16:18:55	Standard 4	Fe (234.350 nm)	N/A	2.0000 (ppm)	21931.3473
5/7/2019 16:18:55	Standard 4	K (766.491 nm)	N/A	10.0000 (ppm)	34778.0441
5/7/2019 16:18:55	Standard 4	Mg (279.078 nm)	N/A	10.0000 (ppm)	22499.3739
5/7/2019 16:18:55	Standard 4	Mn (257.610 nm)	N/A	0.3000 (ppm)	95437.7395
5/7/2019 16:18:55	Standard 4	Mo (202.032 nm)	N/A	1.0000 (ppm)	5628.4253
5/7/2019 16:18:55	Standard 4	Na (588.995 nm)	N/A	10.0000 (ppm)	480857.6637
5/7/2019 16:18:55	Standard 4	Ni (230.299 nm)	N/A	0.8000 (ppm)	8085.9962
5/7/2019 16:18:55	Standard 4	Pb (220.353 nm)	N/A	0.2000 (ppm)	578.3652
5/7/2019 16:18:55	Standard 4	Sb (217.582 nm)	N/A	2.0000 (ppm)	2297.4250
5/7/2019 16:18:55	Standard 4	Se (196.026 nm)	N/A	0.2000 (ppm)	96.7000
5/7/2019 16:18:55	Standard 4	Sn (189.925 nm)	N/A	2.0000 (ppm)	1412.5019
5/7/2019 16:18:55	Standard 4	Sr (216.596 nm)	N/A	1.0000 (ppm)	10214.8011
5/7/2019 16:18:55	Standard 4	Ti (336.122 nm)	N/A	1.0000 (ppm)	247484.1673
5/7/2019 16:18:55	Standard 4	Tl (351.923 nm)	N/A	0.4000 (ppm)	1117.9317
5/7/2019 16:18:55	Standard 4	V (292.401 nm)	N/A	1.0000 (ppm)	31529.5908

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:18:55	Standard 4	Y (360.074 nm)	0.33	0.98 (Ratio)	949252.22
5/7/2019 16:18:55	Standard 4	Y_R (360.074 nm)	0.33	0.98 (Ratio)	949252.22
5/7/2019 16:18:55	Standard 4	Zn (213.857 nm)	N/A	0.4000 (ppm)	13343.7043
5/7/2019 16:22:16	Standard 5	Ag (328.068 nm)	N/A	1.0000 (ppm)	74644.6380
5/7/2019 16:22:16	Standard 5	Al (394.401 nm)	N/A	20.0000 (ppm)	343251.2650
5/7/2019 16:22:16	Standard 5	As (188.980 nm)	N/A	2.0000 (ppm)	1288.8919
5/7/2019 16:22:16	Standard 5	B (249.772 nm)	N/A	5.0000 (ppm)	196300.7090
5/7/2019 16:22:16	Standard 5	Be (230.424 nm)	N/A	20.0000 (ppm)	932428.3458
5/7/2019 16:22:16	Standard 5	Be (313.107 nm)	N/A	0.5000 (ppm)	666848.4568
5/7/2019 16:22:16	Standard 5	Ca (227.547 nm)	N/A	50.0000 (ppm)	3069.2834
5/7/2019 16:22:16	Standard 5	Cd (214.439 nm)	N/A	1.0000 (ppm)	20186.0475
5/7/2019 16:22:16	Standard 5	Co (230.786 nm)	N/A	5.0000 (ppm)	62764.9284
5/7/2019 16:22:16	Standard 5	Cr (267.716 nm)	N/A	1.0000 (ppm)	40761.5448
5/7/2019 16:22:16	Standard 5	Cu (327.395 nm)	N/A	2.5000 (ppm)	166393.3992
5/7/2019 16:22:16	Standard 5	Fe (234.350 nm)	N/A	10.0000 (ppm)	107906.8431
5/7/2019 16:22:16	Standard 5	K (766.491 nm)	N/A	50.0000 (ppm)	182052.2736
5/7/2019 16:22:16	Standard 5	Mg (279.078 nm)	N/A	50.0000 (ppm)	112392.2689
5/7/2019 16:22:16	Standard 5	Mn (257.610 nm)	N/A	1.5000 (ppm)	469886.7008
5/7/2019 16:22:16	Standard 5	Mo (202.032 nm)	N/A	5.0000 (ppm)	28229.0094
5/7/2019 16:22:16	Standard 5	Na (588.995 nm)	N/A	50.0000 (ppm)	2425504.1386
5/7/2019 16:22:16	Standard 5	Ni (230.299 nm)	N/A	4.0000 (ppm)	39632.3017
5/7/2019 16:22:16	Standard 5	Pb (220.353 nm)	N/A	1.0000 (ppm)	2793.3419
5/7/2019 16:22:16	Standard 5	Sb (217.582 nm)	N/A	10.0000 (ppm)	11612.0721
5/7/2019 16:22:16	Standard 5	Se (196.026 nm)	N/A	1.0000 (ppm)	488.8155
5/7/2019 16:22:16	Standard 5	Sn (189.925 nm)	N/A	10.0000 (ppm)	6999.6162
5/7/2019 16:22:16	Standard 5	Sr (216.596 nm)	N/A	5.0000 (ppm)	50336.0012
5/7/2019 16:22:16	Standard 5	Ti (336.122 nm)	N/A	5.0000 (ppm)	1236676.3968
5/7/2019 16:22:16	Standard 5	Ti (351.923 nm)	N/A	2.0000 (ppm)	5750.1974
5/7/2019 16:22:16	Standard 5	V (292.401 nm)	N/A	5.0000 (ppm)	158194.8273
5/7/2019 16:22:16	Standard 5	Y (360.074 nm)	0.23	0.93 (Ratio)	903954.51
5/7/2019 16:22:16	Standard 5	Y_R (360.074 nm)	0.23	0.93 (Ratio)	903954.51
5/7/2019 16:22:16	Standard 5	Zn (213.857 nm)	N/A	2.0000 (ppm)	67438.3306
5/7/2019 16:37:12	Initial Calibration Verification	Ag (328.068 nm)	0.17	0.4935 ! (ppm)	36741.8975 !
5/7/2019 16:37:12	Initial Calibration Verification	Al (394.401 nm)	0.13	9.6199 ! (ppm)	164857.6331 !
5/7/2019 16:37:12	Initial Calibration Verification	As (188.980 nm)	0.39	0.9765 ! (ppm)	628.5757 !
5/7/2019 16:37:12	Initial Calibration Verification	B (249.772 nm)	0.13	2.4664 ! (ppm)	96787.0389 !
5/7/2019 16:37:12	Initial Calibration Verification	Be (230.424 nm)	0.32	10.3025 ! (ppm)	481042.9144 !
5/7/2019 16:37:12	Initial Calibration Verification	Be (313.107 nm)	0.43	0.2540 ! (ppm)	338418.8558 !
5/7/2019 16:37:12	Initial Calibration Verification	Ca (227.547 nm)	0.54	24.2627 ! (ppm)	1487.1555 !
5/7/2019 16:37:12	Initial Calibration Verification	Cd (214.439 nm)	0.23	0.4984 ! (ppm)	10068.4243 !
5/7/2019 16:37:12	Initial Calibration Verification	Co (230.786 nm)	0.13	2.6176 ! (ppm)	32877.6263 !
5/7/2019 16:37:12	Initial Calibration Verification	Cr (267.716 nm)	0.17	0.5096 ! (ppm)	20783.2787 !
5/7/2019 16:37:12	Initial Calibration Verification	Cu (327.395 nm)	0.25	1.2109 ! (ppm)	80527.1718 !
5/7/2019 16:37:12	Initial Calibration Verification	Fe (234.350 nm)	0.22	4.9104 ! (ppm)	53040.7854 !
5/7/2019 16:37:12	Initial Calibration Verification	K (766.491 nm)	0.32	24.4850 ! (ppm)	88977.8742 !
5/7/2019 16:37:12	Initial Calibration Verification	Mg (279.078 nm)	0.21	24.9627 ! (ppm)	56102.5585 !
5/7/2019 16:37:12	Initial Calibration Verification	Mn (257.610 nm)	0.21	0.7565 ! (ppm)	237148.8712 !
5/7/2019 16:37:12	Initial Calibration Verification	Mo (202.032 nm)	0.37	2.4907 ! (ppm)	14063.7793 !
5/7/2019 16:37:12	Initial Calibration Verification	Na (588.995 nm)	0.44	24.5496 ! (ppm)	1187366.5527 !
5/7/2019 16:37:12	Initial Calibration Verification	Ni (230.299 nm)	0.12	2.0093 ! (ppm)	19918.3516 !
5/7/2019 16:37:12	Initial Calibration Verification	Pb (220.353 nm)	0.44	0.5060 ! (ppm)	1417.0620 !

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:37:12	Initial Calibration Verification	Sb (217.582 nm)	0.27	4.8161 ! (ppm)	5590.0574 !
5/7/2019 16:37:12	Initial Calibration Verification	Se (196.026 nm)	1.47	0.4824 ! (ppm)	237.3349 !
5/7/2019 16:37:12	Initial Calibration Verification	Sn (189.925 nm)	0.47	5.0314 ! (ppm)	3522.5598 !
5/7/2019 16:37:12	Initial Calibration Verification	Sr (216.596 nm)	0.33	2.5165 ! (ppm)	25348.5403 !
5/7/2019 16:37:12	Initial Calibration Verification	Ti (336.122 nm)	0.31	2.5233 ! (ppm)	624138.5301 !
5/7/2019 16:37:12	Initial Calibration Verification	Tl (351.923 nm)	0.38	1.0146 ! (ppm)	2914.3141 !
5/7/2019 16:37:12	Initial Calibration Verification	V (292.401 nm)	0.16	2.5498 ! (ppm)	80681.8890 !
5/7/2019 16:37:12	Initial Calibration Verification	Y (360.074 nm)	0.37	0.96 ! (Ratio)	931644.71 !
5/7/2019 16:37:12	Initial Calibration Verification	Y_R (360.074 nm)	0.37	0.96 ! (Ratio)	931644.71 !
5/7/2019 16:37:12	Initial Calibration Verification	Zn (213.857 nm)	0.20	0.9814 ! (ppm)	33076.6449 !
5/7/2019 16:40:31	Initial Calibration Blank	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-136.3347
5/7/2019 16:40:31	Initial Calibration Blank	Al (394.401 nm)	4.61	-0.0071 u (ppm)	177.7185
5/7/2019 16:40:31	Initial Calibration Blank	As (188.980 nm)	42.00	0.0038 (ppm)	2.2266
5/7/2019 16:40:31	Initial Calibration Blank	B (249.772 nm)	81.49	0.0002 (ppm)	132.0927
5/7/2019 16:40:31	Initial Calibration Blank	Ba (230.424 nm)	> 100.00	0.0001 (ppm)	49.0373
5/7/2019 16:40:31	Initial Calibration Blank	Be (313.107 nm)	56.33	0.0000 (ppm)	-286.0083
5/7/2019 16:40:31	Initial Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0127 u (ppm)	0.1206
5/7/2019 16:40:31	Initial Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.4466
5/7/2019 16:40:31	Initial Calibration Blank	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.2872
5/7/2019 16:40:31	Initial Calibration Blank	Cr (267.716 nm)	35.93	-0.0001 u (ppm)	11.9236
5/7/2019 16:40:31	Initial Calibration Blank	Cu (327.395 nm)	61.33	-0.0002 u (ppm)	14.7272
5/7/2019 16:40:31	Initial Calibration Blank	Fe (234.350 nm)	18.93	-0.0012 u (ppm)	35.5131
5/7/2019 16:40:31	Initial Calibration Blank	K (766.491 nm)	18.18	0.0249 (ppm)	80.2304
5/7/2019 16:40:31	Initial Calibration Blank	Mg (279.078 nm)	5.39	-0.0071 u (ppm)	7.5096
5/7/2019 16:40:31	Initial Calibration Blank	Mn (257.610 nm)	10.66	-0.0001 u (ppm)	38.5852
5/7/2019 16:40:31	Initial Calibration Blank	Mo (202.032 nm)	14.55	0.0027 (ppm)	23.8731
5/7/2019 16:40:31	Initial Calibration Blank	Na (588.995 nm)	6.34	-0.0158 u (ppm)	-7994.6383
5/7/2019 16:40:31	Initial Calibration Blank	Ni (230.299 nm)	86.10	0.0003 (ppm)	-9.2007
5/7/2019 16:40:31	Initial Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	3.1985
5/7/2019 16:40:31	Initial Calibration Blank	Sb (217.582 nm)	38.74	0.0032 (ppm)	3.5610
5/7/2019 16:40:31	Initial Calibration Blank	Se (196.026 nm)	> 100.00	-0.0005 u (ppm)	3.3678
5/7/2019 16:40:31	Initial Calibration Blank	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.5572
5/7/2019 16:40:31	Initial Calibration Blank	Sr (216.596 nm)	> 100.00	-0.0003 u (ppm)	-1.6555
5/7/2019 16:40:31	Initial Calibration Blank	Ti (336.122 nm)	35.06	0.0008 (ppm)	250.5651
5/7/2019 16:40:31	Initial Calibration Blank	Tl (351.923 nm)	27.25	-0.0029 u (ppm)	-7.0624
5/7/2019 16:40:31	Initial Calibration Blank	V (292.401 nm)	> 100.00	0.0000 u (ppm)	50.8903
5/7/2019 16:40:31	Initial Calibration Blank	Y (360.074 nm)	0.56	1.00 (Ratio)	977226.13
5/7/2019 16:40:31	Initial Calibration Blank	Y_R (360.074 nm)	0.56	1.00 (Ratio)	977226.13
5/7/2019 16:40:31	Initial Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.1206
5/7/2019 16:43:50	Contract Required Detection Limit	Ag (328.068 nm)	0.93	0.0098 (ppm)	600.8516
5/7/2019 16:43:50	Contract Required Detection Limit	Al (394.401 nm)	0.37	0.1734 (ppm)	3265.9448
5/7/2019 16:43:50	Contract Required Detection Limit	As (188.980 nm)	22.28	0.0177 (ppm)	11.2228
5/7/2019 16:43:50	Contract Required Detection Limit	B (249.772 nm)	0.18	0.1842 (ppm)	7344.1438
5/7/2019 16:43:50	Contract Required Detection Limit	Ba (230.424 nm)	0.47	0.2131 (ppm)	9991.7622
5/7/2019 16:43:50	Contract Required Detection Limit	Be (313.107 nm)	0.22	0.0049 (ppm)	6245.3891
5/7/2019 16:43:50	Contract Required Detection Limit	Ca (227.547 nm)	4.76	0.9689 (ppm)	60.2515
5/7/2019 16:43:50	Contract Required Detection Limit	Cd (214.439 nm)	1.02	0.0098 (ppm)	202.9200
5/7/2019 16:43:50	Contract Required Detection Limit	Co (230.786 nm)	0.77	0.0517 (ppm)	647.2751
5/7/2019 16:43:50	Contract Required Detection Limit	Cr (267.716 nm)	0.62	0.0102 (ppm)	431.9686
5/7/2019 16:43:50	Contract Required Detection Limit	Cu (327.395 nm)	0.22	0.0246 (ppm)	1658.4817
5/7/2019 16:43:50	Contract Required Detection Limit	Fe (234.350 nm)	0.50	0.1043 (ppm)	1174.0303

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:43:50	Contract Required Detection Limit	K (766.491 nm)	0.78	0.9170 (ppm)	3322.5230
5/7/2019 16:43:50	Contract Required Detection Limit	Mg (279.078 nm)	0.18	0.9826 (ppm)	2230.9436
5/7/2019 16:43:50	Contract Required Detection Limit	Mn (257.610 nm)	0.24	0.0157 (ppm)	4998.0533
5/7/2019 16:43:50	Contract Required Detection Limit	Mo (202.032 nm)	3.06	0.0251 (ppm)	150.0213
5/7/2019 16:43:50	Contract Required Detection Limit	Na (588.995 nm)	0.49	0.9849 (ppm)	40699.0867
5/7/2019 16:43:50	Contract Required Detection Limit	Ni (230.299 nm)	1.54	0.0418 (ppm)	401.8806
5/7/2019 16:43:50	Contract Required Detection Limit	Pb (220.353 nm)	9.66	0.0091 (ppm)	29.0597
5/7/2019 16:43:50	Contract Required Detection Limit	Sb (217.582 nm)	0.91	0.0609 (ppm)	70.5203
5/7/2019 16:43:50	Contract Required Detection Limit	Se (196.026 nm)	11.44	0.0105 (ppm)	8.7543
5/7/2019 16:43:50	Contract Required Detection Limit	Sn (189.925 nm)	0.45	0.5057 (ppm)	353.2648
5/7/2019 16:43:50	Contract Required Detection Limit	Sr (216.596 nm)	0.05	0.1036 (ppm)	1044.5845
5/7/2019 16:43:50	Contract Required Detection Limit	Ti (336.122 nm)	0.16	0.0510 (ppm)	12669.2140
5/7/2019 16:43:50	Contract Required Detection Limit	Tl (351.923 nm)	13.79	0.0168 (ppm)	49.4890
5/7/2019 16:43:50	Contract Required Detection Limit	V (292.401 nm)	0.49	0.0505 (ppm)	1647.9520
5/7/2019 16:43:50	Contract Required Detection Limit	Y (360.074 nm)	0.48	1.00 (Ratio)	973910.18
5/7/2019 16:43:50	Contract Required Detection Limit	Y_R (360.074 nm)	0.48	1.00 (Ratio)	973910.18
5/7/2019 16:43:50	Contract Required Detection Limit	Zn (213.857 nm)	0.29	0.0198 (ppm)	659.0523
5/7/2019 16:47:09	Interference Check Solution A	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-128.7195
5/7/2019 16:47:09	Interference Check Solution A	Al (394.401 nm)	0.23	268.8492 o (ppm)	4599259.7940
5/7/2019 16:47:09	Interference Check Solution A	As (188.980 nm)	> 100.00	0.0004 u (ppm)	0.0520
5/7/2019 16:47:09	Interference Check Solution A	B (249.772 nm)	0.81	0.0456 (ppm)	1910.3707
5/7/2019 16:47:09	Interference Check Solution A	Ba (230.424 nm)	34.93	-0.0003 u (ppm)	31.4700
5/7/2019 16:47:09	Interference Check Solution A	Be (313.107 nm)	11.22	-0.0001 u (ppm)	-384.5694
5/7/2019 16:47:09	Interference Check Solution A	Ca (227.547 nm)	0.39	270.7651 o (ppm)	16587.1256
5/7/2019 16:47:09	Interference Check Solution A	Cd (214.439 nm)	21.11	-0.0007 u (ppm)	-9.7375
5/7/2019 16:47:09	Interference Check Solution A	Co (230.786 nm)	3.33	-0.0029 u (ppm)	-39.3729
5/7/2019 16:47:09	Interference Check Solution A	Cr (267.716 nm)	6.03	0.0005 (ppm)	39.0082
5/7/2019 16:47:09	Interference Check Solution A	Cu (327.395 nm)	15.88	-0.0004 u (ppm)	-0.1720
5/7/2019 16:47:09	Interference Check Solution A	Fe (234.350 nm)	0.34	91.7214 o (ppm)	989890.2268
5/7/2019 16:47:09	Interference Check Solution A	K (766.491 nm)	27.87	0.0616 (ppm)	213.6940
5/7/2019 16:47:09	Interference Check Solution A	Mg (279.078 nm)	0.21	264.9787 o (ppm)	595301.3475
5/7/2019 16:47:09	Interference Check Solution A	Mn (257.610 nm)	0.44	0.0018 (ppm)	633.7879
5/7/2019 16:47:09	Interference Check Solution A	Mo (202.032 nm)	61.95	-0.0008 u (ppm)	3.5653
5/7/2019 16:47:09	Interference Check Solution A	Na (588.995 nm)	2.76	-0.0294 u (ppm)	-8659.9767
5/7/2019 16:47:09	Interference Check Solution A	Ni (230.299 nm)	28.75	-0.0012 u (ppm)	-24.2189
5/7/2019 16:47:09	Interference Check Solution A	Pb (220.353 nm)	60.62	-0.0010 u (ppm)	0.8936
5/7/2019 16:47:09	Interference Check Solution A	Sb (217.582 nm)	> 100.00	-0.0010 u (ppm)	-1.3596
5/7/2019 16:47:09	Interference Check Solution A	Se (196.026 nm)	50.73	-0.0059 u (ppm)	0.8041
5/7/2019 16:47:09	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0016 u (ppm)	0.2413
5/7/2019 16:47:09	Interference Check Solution A	Sr (216.596 nm)	5.37	0.0188 (ppm)	190.7334
5/7/2019 16:47:09	Interference Check Solution A	Ti (336.122 nm)	1.64	0.0011 (ppm)	329.6463
5/7/2019 16:47:09	Interference Check Solution A	Tl (351.923 nm)	48.65	0.0083 (ppm)	25.2047
5/7/2019 16:47:09	Interference Check Solution A	V (292.401 nm)	2.90	0.0018 (ppm)	107.8367
5/7/2019 16:47:09	Interference Check Solution A	Y (360.074 nm)	0.58	0.87 (Ratio)	848371.65
5/7/2019 16:47:09	Interference Check Solution A	Y_R (360.074 nm)	0.58	0.87 (Ratio)	848371.65
5/7/2019 16:47:09	Interference Check Solution A	Zn (213.857 nm)	1.38	0.0117 K (ppm)	386.0867 K
5/7/2019 16:50:29	Interference Check Solution AB	Ag (328.068 nm)	0.27	0.2148 (ppm)	15920.5777
5/7/2019 16:50:29	Interference Check Solution AB	Al (394.401 nm)	0.18	265.8425 o (ppm)	4547827.1110
5/7/2019 16:50:29	Interference Check Solution AB	As (188.980 nm)	3.15	0.1056 (ppm)	67.8316
5/7/2019 16:50:29	Interference Check Solution AB	B (249.772 nm)	0.75	0.0460 (ppm)	1926.2478
5/7/2019 16:50:29	Interference Check Solution AB	Ba (230.424 nm)	0.40	0.5401 (ppm)	25259.0459

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:50:29	Interference Check Solution AB	Be (313.107 nm)	0.19	0.5148 (ppm)	686240.2573
5/7/2019 16:50:29	Interference Check Solution AB	Ca (227.547 nm)	0.10	267.0870 o (ppm)	16361.8166
5/7/2019 16:50:29	Interference Check Solution AB	Cd (214.439 nm)	0.32	1.0214 (ppm)	20629.4285
5/7/2019 16:50:29	Interference Check Solution AB	Co (230.786 nm)	0.44	0.5052 (ppm)	6343.3800
5/7/2019 16:50:29	Interference Check Solution AB	Cr (267.716 nm)	0.21	0.5160 (ppm)	21042.8056
5/7/2019 16:50:29	Interference Check Solution AB	Cu (327.395 nm)	0.17	0.5206 (ppm)	34632.9779
5/7/2019 16:50:29	Interference Check Solution AB	Fe (234.350 nm)	0.54	93.7293 o (ppm)	1011559.0368
5/7/2019 16:50:29	Interference Check Solution AB	K (766.491 nm)	> 100.00	0.0031 (ppm)	1.2324
5/7/2019 16:50:29	Interference Check Solution AB	Mg (279.078 nm)	0.70	271.6656 o (ppm)	610323.6006
5/7/2019 16:50:29	Interference Check Solution AB	Mn (257.610 nm)	0.05	0.5102 (ppm)	159944.6368
5/7/2019 16:50:29	Interference Check Solution AB	Mo (202.032 nm)	> 100.00	0.0007 u (ppm)	12.2411
5/7/2019 16:50:29	Interference Check Solution AB	Na (588.995 nm)	1.10	-0.0468 u (ppm)	-9507.0770
5/7/2019 16:50:29	Interference Check Solution AB	Ni (230.299 nm)	0.38	0.9909 (ppm)	9816.9623
5/7/2019 16:50:29	Interference Check Solution AB	Pb (220.353 nm)	1.58	0.0490 (ppm)	140.5661
5/7/2019 16:50:29	Interference Check Solution AB	Sb (217.582 nm)	1.34	0.6243 (ppm)	724.4817
5/7/2019 16:50:29	Interference Check Solution AB	Se (196.026 nm)	19.03	0.0514 (ppm)	28.5534
5/7/2019 16:50:29	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0025 u (ppm)	0.9174
5/7/2019 16:50:29	Interference Check Solution AB	Sr (216.596 nm)	3.64	0.0187 (ppm)	189.3899
5/7/2019 16:50:29	Interference Check Solution AB	Ti (336.122 nm)	5.92	0.0011 (ppm)	333.1639
5/7/2019 16:50:29	Interference Check Solution AB	Tl (351.923 nm)	1.46	0.1176 (ppm)	339.0378
5/7/2019 16:50:29	Interference Check Solution AB	V (292.401 nm)	0.13	0.5189 (ppm)	16459.4102
5/7/2019 16:50:29	Interference Check Solution AB	Y (360.074 nm)	0.21	0.90 (Ratio)	873511.15
5/7/2019 16:50:29	Interference Check Solution AB	Y_R (360.074 nm)	0.21	0.90 (Ratio)	873511.15
5/7/2019 16:50:29	Interference Check Solution AB	Zn (213.857 nm)	0.21	1.0509 (ppm)	35418.6044
5/7/2019 16:53:48	Continuing Calibration Verification	Ag (328.068 nm)	0.12	0.4945 (ppm)	36819.9486
5/7/2019 16:53:48	Continuing Calibration Verification	Al (394.401 nm)	0.21	9.6657 (ppm)	165641.7357
5/7/2019 16:53:48	Continuing Calibration Verification	As (188.980 nm)	0.31	0.9792 (ppm)	630.4551
5/7/2019 16:53:48	Continuing Calibration Verification	B (249.772 nm)	0.01	2.4554 (ppm)	96359.4247
5/7/2019 16:53:48	Continuing Calibration Verification	Ba (230.424 nm)	0.26	10.3563 (ppm)	483555.1216
5/7/2019 16:53:48	Continuing Calibration Verification	Be (313.107 nm)	0.48	0.2550 (ppm)	339771.3088
5/7/2019 16:53:48	Continuing Calibration Verification	Ca (227.547 nm)	0.21	24.3342 (ppm)	1491.5359
5/7/2019 16:53:48	Continuing Calibration Verification	Cd (214.439 nm)	0.13	0.5010 (ppm)	10120.4639
5/7/2019 16:53:48	Continuing Calibration Verification	Co (230.786 nm)	0.02	2.6206 (ppm)	32915.2162
5/7/2019 16:53:48	Continuing Calibration Verification	Cr (267.716 nm)	0.17	0.5090 (ppm)	20760.8323
5/7/2019 16:53:48	Continuing Calibration Verification	Cu (327.395 nm)	0.24	1.2123 (ppm)	80618.2701
5/7/2019 16:53:48	Continuing Calibration Verification	Fe (234.350 nm)	0.05	4.8288 (ppm)	53238.6695
5/7/2019 16:53:48	Continuing Calibration Verification	K (766.491 nm)	0.18	24.4721 (ppm)	88931.1109
5/7/2019 16:53:48	Continuing Calibration Verification	Mg (279.078 nm)	0.03	25.0516 (ppm)	56302.2893
5/7/2019 16:53:48	Continuing Calibration Verification	Mn (257.610 nm)	0.15	0.7533 (ppm)	236130.9822
5/7/2019 16:53:48	Continuing Calibration Verification	Mo (202.032 nm)	0.34	2.4929 (ppm)	14076.2423
5/7/2019 16:53:48	Continuing Calibration Verification	Na (588.995 nm)	0.49	24.6366 (ppm)	1191600.7286
5/7/2019 16:53:48	Continuing Calibration Verification	Ni (230.299 nm)	0.06	2.0121 (ppm)	19946.6642
5/7/2019 16:53:48	Continuing Calibration Verification	Pb (220.353 nm)	0.44	0.5078 (ppm)	1422.0449
5/7/2019 16:53:48	Continuing Calibration Verification	Sb (217.582 nm)	0.15	4.8280 (ppm)	5603.9256
5/7/2019 16:53:48	Continuing Calibration Verification	Se (196.026 nm)	0.83	0.4890 (ppm)	240.5076
5/7/2019 16:53:48	Continuing Calibration Verification	Sn (189.925 nm)	0.40	5.0591 (ppm)	3541.9521
5/7/2019 16:53:48	Continuing Calibration Verification	Sr (216.596 nm)	0.31	2.5248 (ppm)	25432.0100
5/7/2019 16:53:48	Continuing Calibration Verification	Ti (336.122 nm)	0.25	2.5314 (ppm)	626143.5367
5/7/2019 16:53:48	Continuing Calibration Verification	Tl (351.923 nm)	0.41	1.0190 (ppm)	2927.0796
5/7/2019 16:53:48	Continuing Calibration Verification	V (292.401 nm)	0.21	2.5538 (ppm)	80808.3501
5/7/2019 16:53:48	Continuing Calibration Verification	Y (360.074 nm)	0.38	0.96 (Ratio)	930082.77

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 16:53:48	Continuing Calibration Verification	Y_R (360.074 nm)	0.38	0.96 (Ratio)	930082.77
5/7/2019 16:53:48	Continuing Calibration Verification	Zn (213.857 nm)	0.13	0.9837 (ppm)	33151.2847
5/7/2019 17:03:13	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	-0.0001 lu (ppm)	-139.7277 !
5/7/2019 17:03:13	Continuing Calibration Blank	Al (394.401 nm)	6.81	-0.0065 lu (ppm)	187.7646 !
5/7/2019 17:03:13	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0014 lu (ppm)	0.6897 !
5/7/2019 17:03:13	Continuing Calibration Blank	B (249.772 nm)	27.78	-0.0005 lu (ppm)	104.1876 !
5/7/2019 17:03:13	Continuing Calibration Blank	Ba (230.424 nm)	23.17	-0.0003 lu (ppm)	28.9019 !
5/7/2019 17:03:13	Continuing Calibration Blank	Be (313.107 nm)	> 100.00	0.0000 lu (ppm)	-295.3585 !
5/7/2019 17:03:13	Continuing Calibration Blank	Ca (227.547 nm)	97.20	0.0299 ! (ppm)	2.7305 !
5/7/2019 17:03:13	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 lu (ppm)	3.9596 !
5/7/2019 17:03:13	Continuing Calibration Blank	Co (230.786 nm)	87.30	-0.0001 lu (ppm)	-4.0991 !
5/7/2019 17:03:13	Continuing Calibration Blank	Cr (267.716 nm)	5.44	-0.0002 lu (ppm)	9.5622 !
5/7/2019 17:03:13	Continuing Calibration Blank	Cu (327.395 nm)	55.40	-0.0002 lu (ppm)	12.2539 !
5/7/2019 17:03:13	Continuing Calibration Blank	Fe (234.350 nm)	26.10	-0.0013 lu (ppm)	33.7634 !
5/7/2019 17:03:13	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0009 lu (ppm)	-6.8003 !
5/7/2019 17:03:13	Continuing Calibration Blank	Mg (279.078 nm)	24.58	-0.0062 lu (ppm)	9.5402 !
5/7/2019 17:03:13	Continuing Calibration Blank	Mn (257.610 nm)	6.24	-0.0001 lu (ppm)	31.0060 !
5/7/2019 17:03:13	Continuing Calibration Blank	Mo (202.032 nm)	66.29	-0.0001 lu (ppm)	7.5876 !
5/7/2019 17:03:13	Continuing Calibration Blank	Na (588.995 nm)	5.64	-0.0188 lu (ppm)	-8142.0124 !
5/7/2019 17:03:13	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 lu (ppm)	-12.2372 !
5/7/2019 17:03:13	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0001 lu (ppm)	3.4826 !
5/7/2019 17:03:13	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	-0.0003 lu (ppm)	-0.5439 !
5/7/2019 17:03:13	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0002 lu (ppm)	3.7721 !
5/7/2019 17:03:13	Continuing Calibration Blank	Sn (189.925 nm)	75.76	-0.0019 lu (ppm)	-2.2076 !
5/7/2019 17:03:13	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	-0.0001 lu (ppm)	-0.0162 !
5/7/2019 17:03:13	Continuing Calibration Blank	Ti (336.122 nm)	24.40	-0.0001 lu (ppm)	24.1923 !
5/7/2019 17:03:13	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	-0.0014 lu (ppm)	-2.8367 !
5/7/2019 17:03:13	Continuing Calibration Blank	V (292.401 nm)	88.84	-0.0002 lu (ppm)	42.3454 !
5/7/2019 17:03:13	Continuing Calibration Blank	Y (360.074 nm)	0.21	1.01 ! (Ratio)	983352.58 !
5/7/2019 17:03:13	Continuing Calibration Blank	Y_R (360.074 nm)	0.21	1.01 ! (Ratio)	983352.58 !
5/7/2019 17:03:13	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	-0.0001 lu (ppm)	-8.6274 !
5/7/2019 17:06:33	PBS-336018	Ag (328.068 nm)	> 100.00	0.0000 lu (ppm)	-133.4581 !
5/7/2019 17:06:33	PBS-336018	Al (394.401 nm)	17.25	-0.0016 lu (ppm)	271.8990 !
5/7/2019 17:06:33	PBS-336018	As (188.980 nm)	> 100.00	-0.0016 lu (ppm)	-1.2032 !
5/7/2019 17:06:33	PBS-336018	B (249.772 nm)	38.03	-0.0004 lu (ppm)	108.3169 !
5/7/2019 17:06:33	PBS-336018	Ba (230.424 nm)	16.16	-0.0004 lu (ppm)	23.5815 !
5/7/2019 17:06:33	PBS-336018	Be (313.107 nm)	58.86	0.0000 ! (ppm)	-295.1156 !
5/7/2019 17:06:33	PBS-336018	Ca (227.547 nm)	39.00	0.0372 ! (ppm)	3.1759 !
5/7/2019 17:06:33	PBS-336018	Cd (214.439 nm)	> 100.00	0.0000 lu (ppm)	5.0172 !
5/7/2019 17:06:33	PBS-336018	Co (230.786 nm)	> 100.00	-0.0001 lu (ppm)	-3.9056 !
5/7/2019 17:06:33	PBS-336018	Cr (267.716 nm)	10.72	0.0003 ! (ppm)	28.6799 !
5/7/2019 17:06:33	PBS-336018	Cu (327.395 nm)	95.65	0.0001 ! (ppm)	33.8172 !
5/7/2019 17:06:33	PBS-336018	Fe (234.350 nm)	8.44	0.0041 ! (ppm)	92.2222 !
5/7/2019 17:06:33	PBS-336018	K (766.491 nm)	1.79	0.2976 ! (ppm)	1071.6265 !
5/7/2019 17:06:33	PBS-336018	Mg (279.078 nm)	65.47	-0.0019 lu (ppm)	19.1681 !
5/7/2019 17:06:33	PBS-336018	Mn (257.610 nm)	8.96	0.0001 ! (ppm)	101.1740 !
5/7/2019 17:06:33	PBS-336018	Mo (202.032 nm)	36.82	-0.0006 lu (ppm)	5.0857 !
5/7/2019 17:06:33	PBS-336018	Na (588.995 nm)	2.02	0.0417 ! (ppm)	-5197.9044 !
5/7/2019 17:06:33	PBS-336018	Ni (230.299 nm)	> 100.00	0.0001 lu (ppm)	-11.8144 !
5/7/2019 17:06:33	PBS-336018	Pb (220.353 nm)	> 100.00	0.0000 lu (ppm)	3.8163 !
5/7/2019 17:06:33	PBS-336018	Sb (217.582 nm)	> 100.00	0.0004 lu (ppm)	0.2051 !

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:06:33	PBS-336018	Se (196.026 nm)	> 100.00	0.0003 lu (ppm)	3.7851 I
5/7/2019 17:06:33	PBS-336018	Sn (189.925 nm)	14.47	0.0110 I (ppm)	6.8480 I
5/7/2019 17:06:33	PBS-336018	Sr (216.596 nm)	> 100.00	-0.0002 lu (ppm)	-1.3191 I
5/7/2019 17:06:33	PBS-336018	Ti (336.122 nm)	16.47	0.0001 I (ppm)	86.5042 I
5/7/2019 17:06:33	PBS-336018	Tl (351.923 nm)	> 100.00	-0.0012 lu (ppm)	-2.1686 I
5/7/2019 17:06:33	PBS-336018	V (292.401 nm)	50.08	-0.0001 lu (ppm)	45.3807 I
5/7/2019 17:06:33	PBS-336018	Y (360.074 nm)	0.57	1.03 I (Ratio)	997943.08 I
5/7/2019 17:06:33	PBS-336018	Y_R (360.074 nm)	0.57	1.03 I (Ratio)	997943.08 I
5/7/2019 17:06:33	PBS-336018	Zn (213.857 nm)	0.48	0.0163 I (ppm)	541.1735 I
5/7/2019 17:09:53	LCSS-336018	Ag (328.068 nm)	0.47	0.0495 (ppm)	3566.1781
5/7/2019 17:09:53	LCSS-336018	Al (394.401 nm)	0.25	1.8670 (ppm)	32236.8319
5/7/2019 17:09:53	LCSS-336018	As (188.980 nm)	7.73	0.0373 (ppm)	23.8089
5/7/2019 17:09:53	LCSS-336018	B (249.772 nm)	0.15	0.9716 (ppm)	38201.8798
5/7/2019 17:09:53	LCSS-336018	Ba (230.424 nm)	0.45	2.1250 (ppm)	99255.2660
5/7/2019 17:09:53	LCSS-336018	Be (313.107 nm)	0.08	0.0502 (ppm)	66623.9172
5/7/2019 17:09:53	LCSS-336018	Ca (227.547 nm)	2.06	1.8454 (ppm)	120.0704
5/7/2019 17:09:53	LCSS-336018	Cd (214.439 nm)	0.16	0.0515 (ppm)	1044.6248
5/7/2019 17:09:53	LCSS-336018	Co (230.786 nm)	0.15	0.5312 (ppm)	6669.7903
5/7/2019 17:09:53	LCSS-336018	Cr (267.716 nm)	0.17	0.2119 (ppm)	8654.1130
5/7/2019 17:09:53	LCSS-336018	Cu (327.395 nm)	0.51	0.2519 (ppm)	16771.3064
5/7/2019 17:09:53	LCSS-336018	Fe (234.350 nm)	0.15	1.0119 (ppm)	10968.5206
5/7/2019 17:09:53	LCSS-336018	K (766.491 nm)	0.48	19.4947 (ppm)	70841.2593
5/7/2019 17:09:53	LCSS-336018	Mg (279.078 nm)	0.15	1.9852 (ppm)	4483.3834
5/7/2019 17:09:53	LCSS-336018	Mn (257.610 nm)	0.09	0.5167 (ppm)	162002.0070
5/7/2019 17:09:53	LCSS-336018	Mo (202.032 nm)	0.27	0.5158 (ppm)	2918.9213
5/7/2019 17:09:53	LCSS-336018	Na (588.995 nm)	0.80	19.6685 (ppm)	949851.7311
5/7/2019 17:09:53	LCSS-336018	Ni (230.299 nm)	0.09	0.5150 (ppm)	5096.3562
5/7/2019 17:09:53	LCSS-336018	Pb (220.353 nm)	0.10	0.5209 (ppm)	1458.6939
5/7/2019 17:09:53	LCSS-336018	Sb (217.582 nm)	1.08	0.4699 (ppm)	545.2780
5/7/2019 17:09:53	LCSS-336018	Se (196.026 nm)	0.51	0.9784 (ppm)	477.5872
5/7/2019 17:09:53	LCSS-336018	Sn (189.925 nm)	0.39	5.1222 (ppm)	3586.1281
5/7/2019 17:09:53	LCSS-336018	Sr (216.596 nm)	0.25	2.0937 (ppm)	21090.4047
5/7/2019 17:09:53	LCSS-336018	Ti (336.122 nm)	0.22	0.5247 (ppm)	129817.6044
5/7/2019 17:09:53	LCSS-336018	Tl (351.923 nm)	0.37	1.9261 (ppm)	5531.4902
5/7/2019 17:09:53	LCSS-336018	V (292.401 nm)	0.19	0.5151 (ppm)	16338.4342
5/7/2019 17:09:53	LCSS-336018	Y (360.074 nm)	0.75	0.99 (Ratio)	962982.70
5/7/2019 17:09:53	LCSS-336018	Y_R (360.074 nm)	0.75	0.99 (Ratio)	962982.70
5/7/2019 17:09:53	LCSS-336018	Zn (213.857 nm)	0.32	0.5034 (ppm)	16962.9676
5/7/2019 17:13:11	R1903954-001 20X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-131.9232
5/7/2019 17:13:11	R1903954-001 20X	Al (394.401 nm)	0.10	3.2857 (ppm)	56504.7146
5/7/2019 17:13:11	R1903954-001 20X	As (188.980 nm)	27.80	0.0050 (ppm)	3.0190
5/7/2019 17:13:11	R1903954-001 20X	B (249.772 nm)	2.10	0.0043 (ppm)	290.8213
5/7/2019 17:13:11	R1903954-001 20X	Ba (230.424 nm)	0.28	0.1067 (ppm)	5027.1756
5/7/2019 17:13:11	R1903954-001 20X	Be (313.107 nm)	1.67	0.0003 (ppm)	70.1281
5/7/2019 17:13:11	R1903954-001 20X	Ca (227.547 nm)	0.58	12.1610 (ppm)	745.8455
5/7/2019 17:13:11	R1903954-001 20X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	7.0953
5/7/2019 17:13:11	R1903954-001 20X	Co (230.786 nm)	12.43	0.0033 (ppm)	38.6667
5/7/2019 17:13:11	R1903954-001 20X	Cr (267.716 nm)	1.11	0.0041 (ppm)	183.8378
5/7/2019 17:13:11	R1903954-001 20X	Cu (327.395 nm)	1.09	0.0224 (ppm)	1513.1411
5/7/2019 17:13:11	R1903954-001 20X	Fe (234.350 nm)	0.19	5.1127 (ppm)	55224.0462
5/7/2019 17:13:11	R1903954-001 20X	K (766.491 nm)	2.46	0.3126 (ppm)	1126.0993

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:13:11	R1903954-001 20X	Mg (279.078 nm)	0.05	4.6775 (ppm)	10531.6184
5/7/2019 17:13:11	R1903954-001 20X	Mn (257.610 nm)	0.13	0.1171 (ppm)	36764.1303
5/7/2019 17:13:11	R1903954-001 20X	Mo (202.032 nm)	19.06	0.0012 (ppm)	15.0181
5/7/2019 17:13:11	R1903954-001 20X	Na (588.995 nm)	0.90	0.3086 (ppm)	7787.7027
5/7/2019 17:13:11	R1903954-001 20X	Ni (230.299 nm)	6.54	0.0064 (ppm)	51.1047
5/7/2019 17:13:11	R1903954-001 20X	Pb (220.353 nm)	0.25	1.9418 o (ppm)	5427.3705
5/7/2019 17:13:11	R1903954-001 20X	Sb (217.582 nm)	19.04	0.0022 (ppm)	2.3712
5/7/2019 17:13:11	R1903954-001 20X	Se (196.026 nm)	> 100.00	-0.0022 u (ppm)	2.5897
5/7/2019 17:13:11	R1903954-001 20X	Sn (189.925 nm)	3.09	0.0810 (ppm)	55.8375
5/7/2019 17:13:11	R1903954-001 20X	Sr (216.596 nm)	0.96	0.0396 (ppm)	399.5397
5/7/2019 17:13:11	R1903954-001 20X	Ti (336.122 nm)	0.07	0.0880 (ppm)	21809.4726
5/7/2019 17:13:11	R1903954-001 20X	Tl (351.923 nm)	87.91	0.0006 (ppm)	2.9346
5/7/2019 17:13:11	R1903954-001 20X	V (292.401 nm)	1.51	0.0085 (ppm)	319.1533
5/7/2019 17:13:11	R1903954-001 20X	Y (360.074 nm)	0.39	1.00 (Ratio)	975047.63
5/7/2019 17:13:11	R1903954-001 20X	Y_R (360.074 nm)	0.39	1.00 (Ratio)	975047.63
5/7/2019 17:13:11	R1903954-001 20X	Zn (213.857 nm)	0.20	0.0967 (ppm)	3254.1059
5/7/2019 17:16:31	R1903954-001S 20X	Ag (328.068 nm)	1.63	0.0026 (ppm)	63.5606
5/7/2019 17:16:31	R1903954-001S 20X	Al (394.401 nm)	0.91	2.0071 (ppm)	34633.4505
5/7/2019 17:16:31	R1903954-001S 20X	As (188.980 nm)	50.52	0.0122 (ppm)	7.6453
5/7/2019 17:16:31	R1903954-001S 20X	B (249.772 nm)	0.62	0.0595 (ppm)	2456.3036
5/7/2019 17:16:31	R1903954-001S 20X	Ba (230.424 nm)	0.43	0.1562 (ppm)	7337.7140
5/7/2019 17:16:31	R1903954-001S 20X	Be (313.107 nm)	0.14	0.0026 (ppm)	3226.3625
5/7/2019 17:16:31	R1903954-001S 20X	Ca (227.547 nm)	2.09	4.3884 (ppm)	269.7205
5/7/2019 17:16:31	R1903954-001S 20X	Cd (214.439 nm)	8.95	0.0031 (ppm)	66.3940
5/7/2019 17:16:31	R1903954-001S 20X	Co (230.786 nm)	1.87	0.0316 (ppm)	394.1987
5/7/2019 17:16:31	R1903954-001S 20X	Cr (267.716 nm)	0.72	0.0163 (ppm)	682.3568
5/7/2019 17:16:31	R1903954-001S 20X	Cu (327.395 nm)	0.72	0.0359 (ppm)	2410.3088
5/7/2019 17:16:31	R1903954-001S 20X	Fe (234.350 nm)	0.12	21.9943 o (ppm)	237407.2682
5/7/2019 17:16:31	R1903954-001S 20X	K (766.491 nm)	1.03	1.1026 (ppm)	3997.0804
5/7/2019 17:16:31	R1903954-001S 20X	Mg (279.078 nm)	0.38	1.6799 (ppm)	3797.5038
5/7/2019 17:16:31	R1903954-001S 20X	Mn (257.610 nm)	0.06	0.1037 (ppm)	32570.3915
5/7/2019 17:16:31	R1903954-001S 20X	Mo (202.032 nm)	2.77	0.0261 (ppm)	155.4189
5/7/2019 17:16:31	R1903954-001S 20X	Na (588.995 nm)	0.48	1.1467 (ppm)	48569.8263
5/7/2019 17:16:31	R1903954-001S 20X	Ni (230.299 nm)	0.16	0.0360 (ppm)	344.5959
5/7/2019 17:16:31	R1903954-001S 20X	Pb (220.353 nm)	0.05	3.6537 o (ppm)	10208.7360
5/7/2019 17:16:31	R1903954-001S 20X	Sb (217.582 nm)	2.54	0.0230 (ppm)	26.4366
5/7/2019 17:16:31	R1903954-001S 20X	Se (196.026 nm)	2.71	0.0480 (ppm)	26.8867
5/7/2019 17:16:31	R1903954-001S 20X	Sn (189.925 nm)	0.38	0.8650 (ppm)	604.9211
5/7/2019 17:16:31	R1903954-001S 20X	Sr (216.596 nm)	0.51	0.1342 (ppm)	1352.4829
5/7/2019 17:16:31	R1903954-001S 20X	Ti (336.122 nm)	4.58	0.1128 (ppm)	27959.2924
5/7/2019 17:16:31	R1903954-001S 20X	Tl (351.923 nm)	2.91	0.0934 (ppm)	269.5176
5/7/2019 17:16:31	R1903954-001S 20X	V (292.401 nm)	0.45	0.0374 (ppm)	1231.9464
5/7/2019 17:16:31	R1903954-001S 20X	Y (360.074 nm)	0.61	1.00 (Ratio)	976601.51
5/7/2019 17:16:31	R1903954-001S 20X	Y_R (360.074 nm)	0.61	1.00 (Ratio)	976601.51
5/7/2019 17:16:31	R1903954-001S 20X	Zn (213.857 nm)	0.17	0.1104 (ppm)	3714.4328
5/7/2019 17:19:50	R1903954-001SD 20X	Ag (328.068 nm)	2.14	0.0027 (ppm)	70.8289
5/7/2019 17:19:50	R1903954-001SD 20X	Al (394.401 nm)	0.36	2.1185 (ppm)	36538.8478
5/7/2019 17:19:50	R1903954-001SD 20X	As (188.980 nm)	34.69	0.0096 (ppm)	5.9690
5/7/2019 17:19:50	R1903954-001SD 20X	B (249.772 nm)	0.18	0.0536 (ppm)	2222.4505
5/7/2019 17:19:50	R1903954-001SD 20X	Ba (230.424 nm)	0.08	0.1572 (ppm)	7382.6598
5/7/2019 17:19:50	R1903954-001SD 20X	Be (313.107 nm)	0.39	0.0027 (ppm)	3273.8194

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:19:50	R1903954-001SD 20X	Ca (227.547 nm)	0.17	23.8368 (ppm)	1461.0669
5/7/2019 17:19:50	R1903954-001SD 20X	Cd (214.439 nm)	5.56	0.0026 (ppm)	57.8083
5/7/2019 17:19:50	R1903954-001SD 20X	Co (230.786 nm)	1.32	0.0284 (ppm)	354.6920
5/7/2019 17:19:50	R1903954-001SD 20X	Cr (267.716 nm)	0.36	0.0151 (ppm)	634.1615
5/7/2019 17:19:50	R1903954-001SD 20X	Cu (327.395 nm)	0.36	0.0371 (ppm)	2493.5307
5/7/2019 17:19:50	R1903954-001SD 20X	Fe (234.350 nm)	0.18	8.3440 (ppm)	90095.1394
5/7/2019 17:19:50	R1903954-001SD 20X	K (766.491 nm)	0.31	1.1928 (ppm)	4325.0326
5/7/2019 17:19:50	R1903954-001SD 20X	Mg (279.078 nm)	0.12	12.6436 (ppm)	28427.5251
5/7/2019 17:19:50	R1903954-001SD 20X	Mn (257.610 nm)	0.17	0.1391 (ppm)	43669.8583
5/7/2019 17:19:50	R1903954-001SD 20X	Mo (202.032 nm)	0.32	0.0250 (ppm)	149.6394
5/7/2019 17:19:50	R1903954-001SD 20X	Na (588.995 nm)	0.43	1.1344 (ppm)	47973.2215
5/7/2019 17:19:50	R1903954-001SD 20X	Ni (230.299 nm)	2.07	0.0300 (ppm)	285.3962
5/7/2019 17:19:50	R1903954-001SD 20X	Pb (220.353 nm)	0.15	7.3968 (ppm)	20663.6727
5/7/2019 17:19:50	R1903954-001SD 20X	Sb (217.582 nm)	4.40	0.0214 (ppm)	24.6475
5/7/2019 17:19:50	R1903954-001SD 20X	Se (196.026 nm)	10.14	0.0433 (ppm)	24.6454
5/7/2019 17:19:50	R1903954-001SD 20X	Sn (189.925 nm)	1.19	0.5061 (ppm)	353.5932
5/7/2019 17:19:50	R1903954-001SD 20X	Sr (216.596 nm)	0.13	0.1403 (ppm)	1413.7619
5/7/2019 17:19:50	R1903954-001SD 20X	Ti (336.122 nm)	1.37	0.0856 (ppm)	21217.0544
5/7/2019 17:19:50	R1903954-001SD 20X	Tl (351.923 nm)	3.22	0.0959 (ppm)	276.5277
5/7/2019 17:19:50	R1903954-001SD 20X	V (292.401 nm)	0.74	0.0353 (ppm)	1166.6033
5/7/2019 17:19:50	R1903954-001SD 20X	Y (360.074 nm)	0.42	0.99 (Ratio)	964958.68
5/7/2019 17:19:50	R1903954-001SD 20X	Y_R (360.074 nm)	0.42	0.99 (Ratio)	964958.68
5/7/2019 17:19:50	R1903954-001SD 20X	Zn (213.857 nm)	0.43	0.1206 (ppm)	4058.3481
5/7/2019 17:23:10	R1903954-001A 20X	Ag (328.068 nm)	0.19	0.0480 (ppm)	3453.5344
5/7/2019 17:23:10	R1903954-001A 20X	Al (394.401 nm)	0.14	5.1219 (ppm)	87914.0855
5/7/2019 17:23:10	R1903954-001A 20X	As (188.980 nm)	11.97	0.0417 (ppm)	26.6943
5/7/2019 17:23:10	R1903954-001A 20X	B (249.772 nm)	0.15	0.9721 (ppm)	38222.3454
5/7/2019 17:23:10	R1903954-001A 20X	Ba (230.424 nm)	1.02	2.1383 (ppm)	99874.7406
5/7/2019 17:23:10	R1903954-001A 20X	Be (313.107 nm)	0.11	0.0490 (ppm)	65032.1819
5/7/2019 17:23:10	R1903954-001A 20X	Ca (227.547 nm)	0.02	14.0455 (ppm)	861.2843
5/7/2019 17:23:10	R1903954-001A 20X	Cd (214.439 nm)	0.18	0.0498 (ppm)	1009.9515
5/7/2019 17:23:10	R1903954-001A 20X	Co (230.786 nm)	0.15	0.5096 (ppm)	6398.4196
5/7/2019 17:23:10	R1903954-001A 20X	Cr (267.716 nm)	0.06	0.2054 (ppm)	8388.0426
5/7/2019 17:23:10	R1903954-001A 20X	Cu (327.395 nm)	0.28	0.2606 (ppm)	17351.3688
5/7/2019 17:23:10	R1903954-001A 20X	Fe (234.350 nm)	0.13	5.8936 (ppm)	63651.5002
5/7/2019 17:23:10	R1903954-001A 20X	K (766.491 nm)	0.11	18.9732 (ppm)	68945.9287
5/7/2019 17:23:10	R1903954-001A 20X	Mg (279.078 nm)	0.14	6.4451 (ppm)	14502.4924
5/7/2019 17:23:10	R1903954-001A 20X	Mn (257.610 nm)	0.13	0.6056 (ppm)	189871.0904
5/7/2019 17:23:10	R1903954-001A 20X	Mo (202.032 nm)	0.61	0.4978 (ppm)	2817.7304
5/7/2019 17:23:10	R1903954-001A 20X	Na (588.995 nm)	0.31	19.2870 (ppm)	931285.1171
5/7/2019 17:23:10	R1903954-001A 20X	Ni (230.299 nm)	0.25	0.4984 (ppm)	4931.1800
5/7/2019 17:23:10	R1903954-001A 20X	Pb (220.353 nm)	0.15	2.3618 (ppm)	6600.5211
5/7/2019 17:23:10	R1903954-001A 20X	Sb (217.582 nm)	1.15	0.4676 (ppm)	542.5755
5/7/2019 17:23:10	R1903954-001A 20X	Se (196.026 nm)	0.61	1.0506 (ppm)	512.5608
5/7/2019 17:23:10	R1903954-001A 20X	Sn (189.925 nm)	0.21	5.0556 (ppm)	3539.5142
5/7/2019 17:23:10	R1903954-001A 20X	Sr (216.596 nm)	0.46	2.1607 (ppm)	21765.4203
5/7/2019 17:23:10	R1903954-001A 20X	Ti (336.122 nm)	0.54	0.5886 (ppm)	145634.7408
5/7/2019 17:23:10	R1903954-001A 20X	Tl (351.923 nm)	0.22	1.8839 (ppm)	5410.3501
5/7/2019 17:23:10	R1903954-001A 20X	V (292.401 nm)	0.09	0.4995 (ppm)	15845.3368
5/7/2019 17:23:10	R1903954-001A 20X	Y (360.074 nm)	0.42	0.98 (Ratio)	955720.58
5/7/2019 17:23:10	R1903954-001A 20X	Y_R (360.074 nm)	0.42	0.98 (Ratio)	955720.58

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:23:10	R1903954-001A 20X	Zn (213.857 nm)	0.51	0.5763 (ppm)	19418.7332
5/7/2019 17:26:29	R1903954-001L 20X	Ag (328.068 nm)	8.43	-0.0001 u (ppm)	-139.6870
5/7/2019 17:26:29	R1903954-001L 20X	Al (394.401 nm)	0.23	0.6276 (ppm)	11034.6551
5/7/2019 17:26:29	R1903954-001L 20X	As (188.980 nm)	59.38	0.0034 (ppm)	1.9913
5/7/2019 17:26:29	R1903954-001L 20X	B (249.772 nm)	55.54	-0.0003 u (ppm)	112.3014
5/7/2019 17:26:29	R1903954-001L 20X	Ba (230.424 nm)	0.56	0.0206 (ppm)	1005.7627
5/7/2019 17:26:29	R1903954-001L 20X	Be (313.107 nm)	30.33	0.0000 (ppm)	-242.7355
5/7/2019 17:26:29	R1903954-001L 20X	Ca (227.547 nm)	0.17	2.4131 (ppm)	148.7164
5/7/2019 17:26:29	R1903954-001L 20X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.2716
5/7/2019 17:26:29	R1903954-001L 20X	Co (230.786 nm)	37.95	0.0004 (ppm)	2.1884
5/7/2019 17:26:29	R1903954-001L 20X	Cr (267.716 nm)	4.12	0.0007 (ppm)	45.3090
5/7/2019 17:26:29	R1903954-001L 20X	Cu (327.395 nm)	0.61	0.0042 (ppm)	308.1849
5/7/2019 17:26:29	R1903954-001L 20X	Fe (234.350 nm)	0.12	1.0174 (ppm)	11028.2625
5/7/2019 17:26:29	R1903954-001L 20X	K (766.491 nm)	11.57	0.0649 (ppm)	225.8397
5/7/2019 17:26:29	R1903954-001L 20X	Mg (279.078 nm)	0.20	0.9279 (ppm)	2108.0070
5/7/2019 17:26:29	R1903954-001L 20X	Mn (257.610 nm)	0.05	0.0233 (ppm)	7368.5635
5/7/2019 17:26:29	R1903954-001L 20X	Mo (202.032 nm)	47.92	0.0004 (ppm)	10.8922
5/7/2019 17:26:29	R1903954-001L 20X	Na (588.995 nm)	2.02	0.0459 (ppm)	-4992.2712
5/7/2019 17:26:29	R1903954-001L 20X	Ni (230.299 nm)	39.76	0.0010 (ppm)	-2.8709
5/7/2019 17:26:29	R1903954-001L 20X	Pb (220.353 nm)	0.29	0.3878 (ppm)	1086.9533
5/7/2019 17:26:29	R1903954-001L 20X	Sb (217.582 nm)	> 100.00	-0.0004 u (ppm)	-0.7230
5/7/2019 17:26:29	R1903954-001L 20X	Se (196.026 nm)	> 100.00	0.0032 u (ppm)	5.1877
5/7/2019 17:26:29	R1903954-001L 20X	Sn (189.925 nm)	11.66	0.0175 (ppm)	11.4190
5/7/2019 17:26:29	R1903954-001L 20X	Sr (216.596 nm)	2.19	0.0079 (ppm)	80.1995
5/7/2019 17:26:29	R1903954-001L 20X	Ti (336.122 nm)	1.88	0.0169 (ppm)	4231.7540
5/7/2019 17:26:29	R1903954-001L 20X	Tl (351.923 nm)	> 100.00	-0.0021 u (ppm)	-4.7109
5/7/2019 17:26:29	R1903954-001L 20X	V (292.401 nm)	6.59	0.0016 (ppm)	99.0766
5/7/2019 17:26:29	R1903954-001L 20X	Y (360.074 nm)	0.47	1.01 (Ratio)	981325.35
5/7/2019 17:26:29	R1903954-001L 20X	Y_R (360.074 nm)	0.47	1.01 (Ratio)	981325.35
5/7/2019 17:26:29	R1903954-001L 20X	Zn (213.857 nm)	1.49	0.0196 (ppm)	654.7292
5/7/2019 17:29:48	R1903954-001	Ag (328.068 nm)	3.72	0.0031 (ppm)	98.5523
5/7/2019 17:29:48	R1903954-001	Al (394.401 nm)	0.44	72.7208 o (ppm)	1244268.2070
5/7/2019 17:29:48	R1903954-001	As (188.980 nm)	5.68	0.0868 (ppm)	55.7118
5/7/2019 17:29:48	R1903954-001	B (249.772 nm)	0.29	0.0971 (ppm)	3930.4502
5/7/2019 17:29:48	R1903954-001	Ba (230.424 nm)	0.54	2.0463 (ppm)	95582.0604
5/7/2019 17:29:48	R1903954-001	Be (313.107 nm)	0.52	0.0056 (ppm)	7186.0441
5/7/2019 17:29:48	R1903954-001	Ca (227.547 nm)	0.30	263.5401 o (ppm)	16144.5448
5/7/2019 17:29:48	R1903954-001	Cd (214.439 nm)	2.58	0.0043 (ppm)	91.2533
5/7/2019 17:29:48	R1903954-001	Co (230.786 nm)	0.59	0.0687 (ppm)	860.6677
5/7/2019 17:29:48	R1903954-001	Cr (267.716 nm)	0.22	0.0828 (ppm)	3391.2424
5/7/2019 17:29:48	R1903954-001	Cu (327.395 nm)	0.31	0.4746 (ppm)	31576.2790
5/7/2019 17:29:48	R1903954-001	Fe (234.350 nm)	0.51	93.0249 o (ppm)	1003956.9048
5/7/2019 17:29:48	R1903954-001	K (766.491 nm)	0.50	7.0093 (ppm)	25464.4535
5/7/2019 17:29:48	R1903954-001	Mg (279.078 nm)	0.30	92.2022 o (ppm)	207156.8599
5/7/2019 17:29:48	R1903954-001	Mn (257.610 nm)	0.59	2.2058 o (ppm)	691362.8838
5/7/2019 17:29:48	R1903954-001	Mo (202.032 nm)	4.77	0.0164 (ppm)	100.7243
5/7/2019 17:29:48	R1903954-001	Na (588.995 nm)	0.42	7.2323 (ppm)	344699.3472
5/7/2019 17:29:48	R1903954-001	Ni (230.299 nm)	0.56	0.1150 (ppm)	1127.9316
5/7/2019 17:29:48	R1903954-001	Pb (220.353 nm)	0.25	35.6769 o (ppm)	99652.1693
5/7/2019 17:29:48	R1903954-001	Sb (217.582 nm)	41.97	0.0108 (ppm)	12.3509
5/7/2019 17:29:48	R1903954-001	Se (196.026 nm)	> 100.00	0.0018 u (ppm)	4.5066

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:29:48	R1903954-001	Sn (189.925 nm)	0.77	1.5221 (ppm)	1065.0471
5/7/2019 17:29:48	R1903954-001	Sr (216.596 nm)	0.31	0.7421 (ppm)	7475.8908
5/7/2019 17:29:48	R1903954-001	Ti (336.122 nm)	1.16	1.6744 (ppm)	414173.3695
5/7/2019 17:29:48	R1903954-001	Tl (351.923 nm)	83.66	-0.0060 u (ppm)	-15.9342
5/7/2019 17:29:48	R1903954-001	V (292.401 nm)	0.13	0.1748 (ppm)	5577.8779
5/7/2019 17:29:48	R1903954-001	Y (360.074 nm)	0.53	0.95 (Ratio)	925324.75
5/7/2019 17:29:48	R1903954-001	Y_R (360.074 nm)	0.53	0.95 (Ratio)	925324.75
5/7/2019 17:29:48	R1903954-001	Zn (213.857 nm)	0.46	1.9248 (ppm)	64877.6545
5/7/2019 17:33:09	R1903954-001S	Ag (328.068 nm)	0.28	0.0541 (ppm)	3913.6606
5/7/2019 17:33:09	R1903954-001S	Al (394.401 nm)	0.34	41.7881 o (ppm)	715130.6464
5/7/2019 17:33:09	R1903954-001S	As (188.980 nm)	1.47	0.2642 (ppm)	169.9252
5/7/2019 17:33:09	R1903954-001S	B (249.772 nm)	0.28	1.2079 (ppm)	47465.9530
5/7/2019 17:33:09	R1903954-001S	Ba (230.424 nm)	0.06	2.9922 (ppm)	139745.1003
5/7/2019 17:33:09	R1903954-001S	Be (313.107 nm)	0.29	0.0525 (ppm)	69698.1971
5/7/2019 17:33:09	R1903954-001S	Ca (227.547 nm)	0.28	94.3987 o (ppm)	5783.4704
5/7/2019 17:33:09	R1903954-001S	Cd (214.439 nm)	0.31	0.0572 (ppm)	1158.9424
5/7/2019 17:33:09	R1903954-001S	Co (230.786 nm)	0.22	0.6042 (ppm)	7587.0099
5/7/2019 17:33:09	R1903954-001S	Cr (267.716 nm)	0.16	0.3099 (ppm)	12646.3243
5/7/2019 17:33:09	R1903954-001S	Cu (327.395 nm)	0.18	0.7438 (ppm)	49475.3417
5/7/2019 17:33:09	R1903954-001S	Fe (234.350 nm)	0.17	344.5423 o (ppm)	3718290.6629
5/7/2019 17:33:09	R1903954-001S	K (766.491 nm)	0.40	24.3233 (ppm)	88390.3315
5/7/2019 17:33:09	R1903954-001S	Mg (279.078 nm)	0.20	31.0172 (ppm)	69704.0063
5/7/2019 17:33:09	R1903954-001S	Mn (257.610 nm)	0.23	1.9623 o (ppm)	615040.6222
5/7/2019 17:33:09	R1903954-001S	Mo (202.032 nm)	0.48	0.5335 (ppm)	3018.8471
5/7/2019 17:33:09	R1903954-001S	Na (588.995 nm)	0.72	24.1727 (ppm)	1169030.2475
5/7/2019 17:33:09	R1903954-001S	Ni (230.299 nm)	0.18	0.6730 (ppm)	6663.7216
5/7/2019 17:33:09	R1903954-001S	Pb (220.353 nm)	0.17	66.8226 o (ppm)	186644.7149
5/7/2019 17:33:09	R1903954-001S	Sb (217.582 nm)	0.98	0.4184 (ppm)	485.4988
5/7/2019 17:33:09	R1903954-001S	Se (196.026 nm)	0.13	0.9617 (ppm)	469.4864
5/7/2019 17:33:09	R1903954-001S	Sn (189.925 nm)	0.82	16.1880 o (ppm)	11335.3484
5/7/2019 17:33:09	R1903954-001S	Sr (216.596 nm)	0.23	2.5533 (ppm)	25719.7191
5/7/2019 17:33:09	R1903954-001S	Ti (336.122 nm)	0.26	1.7445 (ppm)	431513.0108
5/7/2019 17:33:09	R1903954-001S	Tl (351.923 nm)	0.25	1.9409 (ppm)	5573.9901
5/7/2019 17:33:09	R1903954-001S	V (292.401 nm)	0.12	0.7430 (ppm)	23546.8768
5/7/2019 17:33:09	R1903954-001S	Y (360.074 nm)	0.64	0.96 (Ratio)	931867.32
5/7/2019 17:33:09	R1903954-001S	Y_R (360.074 nm)	0.64	0.96 (Ratio)	931867.32
5/7/2019 17:33:09	R1903954-001S	Zn (213.857 nm)	0.39	2.1907 o (ppm)	73841.1350
5/7/2019 17:36:30	R1903954-001SD	Ag (328.068 nm)	0.27	0.0598 (ppm)	4340.3238
5/7/2019 17:36:30	R1903954-001SD	Al (394.401 nm)	0.13	48.0814 o (ppm)	822785.0556
5/7/2019 17:36:30	R1903954-001SD	As (188.980 nm)	3.75	0.2041 (ppm)	131.2786
5/7/2019 17:36:30	R1903954-001SD	B (249.772 nm)	0.36	1.1241 (ppm)	44181.4286
5/7/2019 17:36:30	R1903954-001SD	Ba (230.424 nm)	0.58	2.9875 (ppm)	139525.1275
5/7/2019 17:36:30	R1903954-001SD	Be (313.107 nm)	0.02	0.0532 (ppm)	70676.0932
5/7/2019 17:36:30	R1903954-001SD	Ca (227.547 nm)	0.16	525.8314 o (ppm)	32211.6885
5/7/2019 17:36:30	R1903954-001SD	Cd (214.439 nm)	0.72	0.0528 (ppm)	1071.4203
5/7/2019 17:36:30	R1903954-001SD	Co (230.786 nm)	0.12	0.5320 (ppm)	6679.8609
5/7/2019 17:36:30	R1903954-001SD	Cr (267.716 nm)	0.40	0.2906 (ppm)	11858.7665
5/7/2019 17:36:30	R1903954-001SD	Cu (327.395 nm)	0.18	0.8011 (ppm)	53279.5983
5/7/2019 17:36:30	R1903954-001SD	Fe (234.350 nm)	0.33	146.2026 o (ppm)	1577841.8224
5/7/2019 17:36:30	R1903954-001SD	K (766.491 nm)	0.09	28.6268 (ppm)	104030.9840
5/7/2019 17:36:30	R1903954-001SD	Mg (279.078 nm)	0.62	252.1332 o (ppm)	566443.8508

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:36:30	R1903954-001SD	Mn (257.610 nm)	0.64	2.6102 o (ppm)	818103.2378
5/7/2019 17:36:30	R1903954-001SD	Mo (202.032 nm)	0.51	0.5119 (ppm)	2897.0499
5/7/2019 17:36:30	R1903954-001SD	Na (588.995 nm)	0.14	25.4062 (ppm)	1229049.7510
5/7/2019 17:36:30	R1903954-001SD	Ni (230.299 nm)	0.23	0.5719 (ppm)	5660.1607
5/7/2019 17:36:30	R1903954-001SD	Pb (220.353 nm)	0.31	133.5625 o (ppm)	373054.5401
5/7/2019 17:36:30	R1903954-001SD	Sb (217.582 nm)	0.51	0.4299 (ppm)	498.7886
5/7/2019 17:36:30	R1903954-001SD	Se (196.026 nm)	0.76	0.9853 (ppm)	480.8883
5/7/2019 17:36:30	R1903954-001SD	Sn (189.925 nm)	0.35	9.3936 (ppm)	6577.3133
5/7/2019 17:36:30	R1903954-001SD	Sr (216.596 nm)	0.47	2.6389 (ppm)	26581.5918
5/7/2019 17:36:30	R1903954-001SD	Ti (336.122 nm)	0.15	1.6255 (ppm)	402080.5374
5/7/2019 17:36:30	R1903954-001SD	Tl (351.923 nm)	0.06	2.0758 (ppm)	5961.5018
5/7/2019 17:36:30	R1903954-001SD	V (292.401 nm)	0.39	0.7090 (ppm)	22470.9355
5/7/2019 17:36:30	R1903954-001SD	Y (360.074 nm)	0.34	0.91 (Ratio)	884583.24
5/7/2019 17:36:30	R1903954-001SD	Y_R (360.074 nm)	0.34	0.91 (Ratio)	884583.24
5/7/2019 17:36:30	R1903954-001SD	Zn (213.857 nm)	0.28	2.4238 o (ppm)	81698.9390
5/7/2019 17:39:51	Continuing Calibration Verification	Ag (328.068 nm)	2.38	0.4912 (ppm)	36573.2637
5/7/2019 17:39:51	Continuing Calibration Verification	Al (394.401 nm)	2.39	9.5790 (ppm)	164158.4717
5/7/2019 17:39:51	Continuing Calibration Verification	As (188.980 nm)	2.27	0.9769 (ppm)	628.9644
5/7/2019 17:39:51	Continuing Calibration Verification	B (249.772 nm)	2.18	2.4378 (ppm)	95666.9460
5/7/2019 17:39:51	Continuing Calibration Verification	Ba (230.424 nm)	2.79	10.3356 (ppm)	482590.4092
5/7/2019 17:39:51	Continuing Calibration Verification	Be (313.107 nm)	2.24	0.2533 (ppm)	337572.1645
5/7/2019 17:39:51	Continuing Calibration Verification	Ca (227.547 nm)	2.26	24.1523 (ppm)	1480.3957
5/7/2019 17:39:51	Continuing Calibration Verification	Cd (214.439 nm)	2.30	0.4991 (ppm)	10083.0794
5/7/2019 17:39:51	Continuing Calibration Verification	Co (230.786 nm)	2.45	2.6092 (ppm)	32771.6189
5/7/2019 17:39:51	Continuing Calibration Verification	Cr (267.716 nm)	2.39	0.5069 (ppm)	20674.3547
5/7/2019 17:39:51	Continuing Calibration Verification	Cu (327.395 nm)	2.97	1.1981 (ppm)	79677.3004
5/7/2019 17:39:51	Continuing Calibration Verification	Fe (234.350 nm)	2.32	4.9308 (ppm)	53260.3854
5/7/2019 17:39:51	Continuing Calibration Verification	K (766.491 nm)	2.15	24.1742 (ppm)	87848.5054
5/7/2019 17:39:51	Continuing Calibration Verification	Mg (279.078 nm)	2.39	24.9300 (ppm)	56029.0405
5/7/2019 17:39:51	Continuing Calibration Verification	Mn (257.610 nm)	2.33	0.7506 (ppm)	235291.8097
5/7/2019 17:39:51	Continuing Calibration Verification	Mo (202.032 nm)	2.40	2.4872 (ppm)	14044.3681
5/7/2019 17:39:51	Continuing Calibration Verification	Na (588.995 nm)	2.33	24.4086 (ppm)	1180506.7624
5/7/2019 17:39:51	Continuing Calibration Verification	Ni (230.299 nm)	2.44	1.9997 (ppm)	19823.8145
5/7/2019 17:39:51	Continuing Calibration Verification	Pb (220.353 nm)	1.84	0.5195 (ppm)	1454.6501
5/7/2019 17:39:51	Continuing Calibration Verification	Sb (217.582 nm)	2.07	4.8009 (ppm)	5572.4775
5/7/2019 17:39:51	Continuing Calibration Verification	Se (196.026 nm)	1.73	0.4809 (ppm)	236.5868
5/7/2019 17:39:51	Continuing Calibration Verification	Sn (189.925 nm)	2.40	5.0381 (ppm)	3527.2756
5/7/2019 17:39:51	Continuing Calibration Verification	Sr (216.596 nm)	2.80	2.5160 (ppm)	25343.3704
5/7/2019 17:39:51	Continuing Calibration Verification	Ti (336.122 nm)	2.30	2.5195 (ppm)	623194.3271
5/7/2019 17:39:51	Continuing Calibration Verification	Tl (351.923 nm)	2.45	1.0109 (ppm)	2903.8249
5/7/2019 17:39:51	Continuing Calibration Verification	V (292.401 nm)	2.32	2.5408 (ppm)	80397.1187
5/7/2019 17:39:51	Continuing Calibration Verification	Y (360.074 nm)	1.75	0.97 (Ratio)	940953.13
5/7/2019 17:39:51	Continuing Calibration Verification	Y_R (360.074 nm)	1.75	0.97 (Ratio)	940953.13
5/7/2019 17:39:51	Continuing Calibration Verification	Zn (213.857 nm)	2.30	0.9798 (ppm)	33019.7757
5/7/2019 17:43:11	Continuing Calibration Blank	Ag (328.068 nm)	63.13	-0.0001 u (ppm)	-141.2006
5/7/2019 17:43:11	Continuing Calibration Blank	Al (394.401 nm)	8.03	-0.0064 u (ppm)	188.9537
5/7/2019 17:43:11	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-0.4531
5/7/2019 17:43:11	Continuing Calibration Blank	B (249.772 nm)	30.14	-0.0006 u (ppm)	100.8063
5/7/2019 17:43:11	Continuing Calibration Blank	Ba (230.424 nm)	> 100.00	-0.0001 u (ppm)	39.1885
5/7/2019 17:43:11	Continuing Calibration Blank	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-290.7679
5/7/2019 17:43:11	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0022 u (ppm)	1.0355

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:43:11	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.1818
5/7/2019 17:43:11	Continuing Calibration Blank	Co (230.786 nm)	99.55	-0.0001 u (ppm)	-3.2852
5/7/2019 17:43:11	Continuing Calibration Blank	Cr (267.716 nm)	21.60	-0.0002 u (ppm)	11.1801
5/7/2019 17:43:11	Continuing Calibration Blank	Cu (327.395 nm)	51.81	-0.0002 u (ppm)	14.2405
5/7/2019 17:43:11	Continuing Calibration Blank	Fe (234.350 nm)	6.94	0.0052 (ppm)	104.8449
5/7/2019 17:43:11	Continuing Calibration Blank	K (766.491 nm)	26.61	0.0317 (ppm)	105.2234
5/7/2019 17:43:11	Continuing Calibration Blank	Mg (279.078 nm)	28.69	-0.0027 u (ppm)	17.4990
5/7/2019 17:43:11	Continuing Calibration Blank	Mn (257.610 nm)	74.29	0.0000 u (ppm)	52.1286
5/7/2019 17:43:11	Continuing Calibration Blank	Mo (202.032 nm)	28.62	0.0027 (ppm)	23.7035
5/7/2019 17:43:11	Continuing Calibration Blank	Na (588.995 nm)	14.13	-0.0165 u (ppm)	-8030.6124
5/7/2019 17:43:11	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.0439
5/7/2019 17:43:11	Continuing Calibration Blank	Pb (220.353 nm)	13.02	0.0035 (ppm)	13.5882
5/7/2019 17:43:11	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	1.2178
5/7/2019 17:43:11	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0000 u (ppm)	3.6515
5/7/2019 17:43:11	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0017 u (ppm)	0.3158
5/7/2019 17:43:11	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	0.8727
5/7/2019 17:43:11	Continuing Calibration Blank	Ti (336.122 nm)	39.02	0.0008 (ppm)	243.3689
5/7/2019 17:43:11	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	-0.0015 u (ppm)	-3.1575
5/7/2019 17:43:11	Continuing Calibration Blank	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	46.1788
5/7/2019 17:43:11	Continuing Calibration Blank	Y (360.074 nm)	0.41	1.01 (Ratio)	979026.17
5/7/2019 17:43:11	Continuing Calibration Blank	Y_R (360.074 nm)	0.41	1.01 (Ratio)	979026.17
5/7/2019 17:43:11	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-8.1808
5/7/2019 17:46:30	R1903954-001A	Ag (328.068 nm)	0.24	0.0513 (ppm)	3698.4274
5/7/2019 17:46:30	R1903954-001A	Al (394.401 nm)	0.36	73.0138 o (ppm)	1249280.3356
5/7/2019 17:46:30	R1903954-001A	As (188.980 nm)	6.68	0.1296 (ppm)	83.2808
5/7/2019 17:46:30	R1903954-001A	B (249.772 nm)	0.45	1.0527 (ppm)	41383.0063
5/7/2019 17:46:30	R1903954-001A	Ba (230.424 nm)	0.45	3.9015 (ppm)	182197.8570
5/7/2019 17:46:30	R1903954-001A	Be (313.107 nm)	0.11	0.0527 (ppm)	69957.9732
5/7/2019 17:46:30	R1903954-001A	Ca (227.547 nm)	0.28	259.4504 o (ppm)	15894.0189
5/7/2019 17:46:30	R1903954-001A	Cd (214.439 nm)	0.59	0.0501 (ppm)	1017.0818
5/7/2019 17:46:30	R1903954-001A	Co (230.786 nm)	0.44	0.5358 (ppm)	6727.5392
5/7/2019 17:46:30	R1903954-001A	Cr (267.716 nm)	0.22	0.2710 (ppm)	11059.4970
5/7/2019 17:46:30	R1903954-001A	Cu (327.395 nm)	0.26	0.7062 (ppm)	46972.7570
5/7/2019 17:46:30	R1903954-001A	Fe (234.350 nm)	0.82	91.2063 o (ppm)	984331.1809
5/7/2019 17:46:30	R1903954-001A	K (766.491 nm)	0.24	27.2783 (ppm)	99129.8447
5/7/2019 17:46:30	R1903954-001A	Mg (279.078 nm)	0.36	91.3879 o (ppm)	205327.5686
5/7/2019 17:46:30	R1903954-001A	Mn (257.610 nm)	0.33	2.5942 o (ppm)	813088.0174
5/7/2019 17:46:30	R1903954-001A	Mo (202.032 nm)	0.47	0.4977 (ppm)	2816.9959
5/7/2019 17:46:30	R1903954-001A	Na (588.995 nm)	0.16	27.1345 (ppm)	1313150.7558
5/7/2019 17:46:30	R1903954-001A	Ni (230.299 nm)	0.36	0.5643 (ppm)	5584.9731
5/7/2019 17:46:30	R1903954-001A	Pb (220.353 nm)	0.28	35.1373 o (ppm)	98144.9866
5/7/2019 17:46:30	R1903954-001A	Sb (217.582 nm)	0.63	0.4706 (ppm)	546.0615
5/7/2019 17:46:30	R1903954-001A	Se (196.026 nm)	0.31	1.0397 (ppm)	507.2655
5/7/2019 17:46:30	R1903954-001A	Sn (189.925 nm)	0.42	6.2005 (ppm)	4341.2227
5/7/2019 17:46:30	R1903954-001A	Sr (216.596 nm)	0.70	1.3804 (ppm)	13905.5857
5/7/2019 17:46:30	R1903954-001A	Ti (336.122 nm)	0.93	2.0619 (ppm)	510019.4385
5/7/2019 17:46:30	R1903954-001A	Tl (351.923 nm)	0.29	1.9380 (ppm)	5565.8208
5/7/2019 17:46:30	R1903954-001A	V (292.401 nm)	0.28	0.6459 (ppm)	20474.4145
5/7/2019 17:46:30	R1903954-001A	Y (360.074 nm)	0.54	0.95 (Ratio)	920223.27
5/7/2019 17:46:30	R1903954-001A	Y_R (360.074 nm)	0.54	0.95 (Ratio)	920223.27
5/7/2019 17:46:30	R1903954-001A	Zn (213.857 nm)	0.72	2.3400 o (ppm)	78871.1914

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:49:51	R1903954-001L	Ag (328.068 nm)	13.28	0.0004 (ppm)	-100.1544
5/7/2019 17:49:51	R1903954-001L	Al (394.401 nm)	0.40	13.2313 (ppm)	226635.6676
5/7/2019 17:49:51	R1903954-001L	As (188.980 nm)	16.85	0.0160 (ppm)	10.1196
5/7/2019 17:49:51	R1903954-001L	B (249.772 nm)	0.30	0.0187 (ppm)	856.5320
5/7/2019 17:49:51	R1903954-001L	Ba (230.424 nm)	0.52	0.4143 (ppm)	19386.9314
5/7/2019 17:49:51	R1903954-001L	Be (313.107 nm)	3.81	0.0011 (ppm)	1228.1625
5/7/2019 17:49:51	R1903954-001L	Ca (227.547 nm)	0.06	48.9590 (ppm)	2999.9772
5/7/2019 17:49:51	R1903954-001L	Cd (214.439 nm)	9.46	0.0008 (ppm)	21.3005
5/7/2019 17:49:51	R1903954-001L	Co (230.786 nm)	1.24	0.0138 (ppm)	170.5162
5/7/2019 17:49:51	R1903954-001L	Cr (267.716 nm)	1.20	0.0163 (ppm)	683.6906
5/7/2019 17:49:51	R1903954-001L	Cu (327.395 nm)	0.23	0.0885 (ppm)	5907.0714
5/7/2019 17:49:51	R1903954-001L	Fe (234.350 nm)	0.40	19.6581 o (ppm)	212195.2434
5/7/2019 17:49:51	R1903954-001L	K (766.491 nm)	1.01	1.2503 (ppm)	4534.0813
5/7/2019 17:49:51	R1903954-001L	Mg (279.078 nm)	0.24	18.2993 (ppm)	41133.1908
5/7/2019 17:49:51	R1903954-001L	Mn (257.610 nm)	0.46	0.4489 (ppm)	140748.5761
5/7/2019 17:49:51	R1903954-001L	Mo (202.032 nm)	15.78	0.0032 (ppm)	26.6720
5/7/2019 17:49:51	R1903954-001L	Na (588.995 nm)	0.45	1.2936 (ppm)	55720.6869
5/7/2019 17:49:51	R1903954-001L	Ni (230.299 nm)	2.22	0.0236 (ppm)	221.3940
5/7/2019 17:49:51	R1903954-001L	Pb (220.353 nm)	0.32	7.4474 o (ppm)	20805.0296
5/7/2019 17:49:51	R1903954-001L	Sb (217.582 nm)	> 100.00	0.0021 u (ppm)	2.1913
5/7/2019 17:49:51	R1903954-001L	Se (196.026 nm)	> 100.00	0.0023 u (ppm)	4.7942
5/7/2019 17:49:51	R1903954-001L	Sn (189.925 nm)	1.20	0.3154 (ppm)	219.9884
5/7/2019 17:49:51	R1903954-001L	Sr (216.596 nm)	0.42	0.1519 (ppm)	1531.2758
5/7/2019 17:49:51	R1903954-001L	Ti (336.122 nm)	1.16	0.3245 (ppm)	80322.4547
5/7/2019 17:49:51	R1903954-001L	Tl (351.923 nm)	19.91	-0.0034 u (ppm)	-8.3952
5/7/2019 17:49:51	R1903954-001L	V (232.401 nm)	0.93	0.0339 (ppm)	1120.1728
5/7/2019 17:49:51	R1903954-001L	Y (360.074 nm)	0.25	0.99 (Ratio)	960295.48
5/7/2019 17:49:51	R1903954-001L	Y_R (360.074 nm)	0.25	0.99 (Ratio)	960295.48
5/7/2019 17:49:51	R1903954-001L	Zn (213.857 nm)	0.77	0.3772 (ppm)	12708.9550
5/7/2019 17:53:11	R1903954-003	Ag (328.068 nm)	2.69	0.0035 (ppm)	131.1595
5/7/2019 17:53:11	R1903954-003	Al (394.401 nm)	0.27	35.8619 o (ppm)	613756.7061
5/7/2019 17:53:11	R1903954-003	As (188.980 nm)	2.08	0.0366 (ppm)	23.4092
5/7/2019 17:53:11	R1903954-003	B (249.772 nm)	0.23	0.0574 (ppm)	2374.2191
5/7/2019 17:53:11	R1903954-003	Ba (230.424 nm)	0.22	0.6930 (ppm)	32396.9865
5/7/2019 17:53:11	R1903954-003	Be (313.107 nm)	0.16	0.0034 (ppm)	4193.1099
5/7/2019 17:53:11	R1903954-003	Ca (227.547 nm)	0.18	175.5070 o (ppm)	10751.9112
5/7/2019 17:53:11	R1903954-003	Cd (214.439 nm)	6.17	0.0027 (ppm)	59.7673
5/7/2019 17:53:11	R1903954-003	Co (230.786 nm)	1.96	0.0381 (ppm)	476.7282
5/7/2019 17:53:11	R1903954-003	Cr (267.716 nm)	0.21	0.0582 (ppm)	2388.9470
5/7/2019 17:53:11	R1903954-003	Cu (327.395 nm)	0.39	0.5183 (ppm)	34484.3836
5/7/2019 17:53:11	R1903954-003	Fe (234.350 nm)	0.32	66.3316 o (ppm)	715887.9717
5/7/2019 17:53:11	R1903954-003	K (766.491 nm)	0.14	4.2796 (ppm)	15543.7549
5/7/2019 17:53:11	R1903954-003	Mg (279.078 nm)	0.17	26.7878 (ppm)	60202.6842
5/7/2019 17:53:11	R1903954-003	Mn (257.610 nm)	0.27	2.7779 o (ppm)	870664.4961
5/7/2019 17:53:11	R1903954-003	Mo (202.032 nm)	3.92	0.0120 (ppm)	76.1286
5/7/2019 17:53:11	R1903954-003	Na (588.995 nm)	0.20	2.6280 (ppm)	120652.3004
5/7/2019 17:53:11	R1903954-003	Ni (230.299 nm)	0.09	0.0753 (ppm)	735.0578
5/7/2019 17:53:11	R1903954-003	Pb (220.353 nm)	0.20	0.8579 (ppm)	2399.9322
5/7/2019 17:53:11	R1903954-003	Sb (217.582 nm)	> 100.00	-0.0002 u (ppm)	-0.4037
5/7/2019 17:53:11	R1903954-003	Se (196.026 nm)	> 100.00	0.0010 u (ppm)	4.1399
5/7/2019 17:53:11	R1903954-003	Sn (189.925 nm)	5.81	0.0571 (ppm)	39.1279

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:53:11	R1903954-003	Sr (216.596 nm)	0.41	0.6738 (ppm)	6788.0566
5/7/2019 17:53:11	R1903954-003	Ti (336.122 nm)	0.61	2.1448 (ppm)	530527.5583
5/7/2019 17:53:11	R1903954-003	Tl (351.923 nm)	> 100.00	-0.0014 u (ppm)	-2.8199
5/7/2019 17:53:11	R1903954-003	V (292.401 nm)	0.23	0.1031 (ppm)	3308.8924
5/7/2019 17:53:11	R1903954-003	Y (360.074 nm)	0.68	0.98 (Ratio)	953231.74
5/7/2019 17:53:11	R1903954-003	Y_R (360.074 nm)	0.68	0.98 (Ratio)	953231.74
5/7/2019 17:53:11	R1903954-003	Zn (213.857 nm)	0.49	1.1433 (ppm)	38531.1986
5/7/2019 17:56:32	R1903954-006	Ag (328.068 nm)	5.68	0.0007 (ppm)	-78.8367
5/7/2019 17:56:32	R1903954-006	Al (394.401 nm)	1.54	46.3857 o (ppm)	793777.7027
5/7/2019 17:56:32	R1903954-006	As (188.980 nm)	7.22	0.0348 (ppm)	22.2406
5/7/2019 17:56:32	R1903954-006	B (249.772 nm)	0.77	0.0494 (ppm)	2058.4238
5/7/2019 17:56:32	R1903954-006	Ba (230.424 nm)	0.57	0.4030 (ppm)	18859.0525
5/7/2019 17:56:32	R1903954-006	Be (313.107 nm)	0.30	0.0038 (ppm)	4801.1215
5/7/2019 17:56:32	R1903954-006	Ca (227.547 nm)	0.58	48.4442 (ppm)	2968.4427
5/7/2019 17:56:32	R1903954-006	Cd (214.439 nm)	11.81	0.0010 (ppm)	25.3265
5/7/2019 17:56:32	R1903954-006	Co (230.786 nm)	0.72	0.0672 (ppm)	841.7712
5/7/2019 17:56:32	R1903954-006	Cr (267.716 nm)	2.59	0.0745 (ppm)	3051.7508
5/7/2019 17:56:32	R1903954-006	Cu (327.395 nm)	0.55	0.2256 (ppm)	15022.6808
5/7/2019 17:56:32	R1903954-006	Fe (234.350 nm)	0.10	47.0176 o (ppm)	507454.5357
5/7/2019 17:56:32	R1903954-006	K (766.491 nm)	0.85	6.6094 (ppm)	24011.1769
5/7/2019 17:56:32	R1903954-006	Mg (279.078 nm)	0.08	13.4216 (ppm)	30175.4058
5/7/2019 17:56:32	R1903954-006	Mn (257.610 nm)	0.12	2.0684 o (ppm)	648291.1590
5/7/2019 17:56:32	R1903954-006	Mo (202.032 nm)	6.27	0.0107 (ppm)	68.6254
5/7/2019 17:56:32	R1903954-006	Na (588.995 nm)	0.86	2.6804 (ppm)	123203.2483
5/7/2019 17:56:32	R1903954-006	Ni (230.299 nm)	0.33	0.1280 (ppm)	1257.5369
5/7/2019 17:56:32	R1903954-006	Pb (220.353 nm)	0.15	0.6014 (ppm)	1683.5765
5/7/2019 17:56:32	R1903954-006	Sb (217.582 nm)	> 100.00	-0.0002 u (ppm)	-0.4339
5/7/2019 17:56:32	R1903954-006	Se (196.026 nm)	> 100.00	0.0025 u (ppm)	4.8492
5/7/2019 17:56:32	R1903954-006	Sn (189.925 nm)	1.59	0.0403 (ppm)	27.3536
5/7/2019 17:56:32	R1903954-006	Sr (216.596 nm)	0.21	0.4576 (ppm)	4610.3353
5/7/2019 17:56:32	R1903954-006	Ti (336.122 nm)	7.24	1.4632 (ppm)	361936.7732
5/7/2019 17:56:32	R1903954-006	Tl (351.923 nm)	8.61	-0.0168 u (ppm)	-46.9554
5/7/2019 17:56:32	R1903954-006	V (292.401 nm)	0.98	0.1390 (ppm)	4446.0764
5/7/2019 17:56:32	R1903954-006	Y (360.074 nm)	0.84	1.00 (Ratio)	970627.83
5/7/2019 17:56:32	R1903954-006	Y_R (360.074 nm)	0.84	1.00 (Ratio)	970627.83
5/7/2019 17:56:32	R1903954-006	Zn (213.857 nm)	0.65	0.4144 (ppm)	13960.7378
5/7/2019 17:59:52	R1903954-008	Ag (328.068 nm)	24.30	0.0004 (ppm)	-100.9113
5/7/2019 17:59:52	R1903954-008	Al (394.401 nm)	0.11	31.6646 o (ppm)	541956.5265
5/7/2019 17:59:52	R1903954-008	As (188.980 nm)	3.16	0.0890 (ppm)	57.1198
5/7/2019 17:59:52	R1903954-008	B (249.772 nm)	0.12	0.0971 (ppm)	3929.4758
5/7/2019 17:59:52	R1903954-008	Ba (230.424 nm)	0.09	0.6806 (ppm)	31817.2524
5/7/2019 17:59:52	R1903954-008	Be (313.107 nm)	0.60	0.0020 (ppm)	2379.2687
5/7/2019 17:59:52	R1903954-008	Ca (227.547 nm)	0.16	460.0806 o (ppm)	28184.0013
5/7/2019 17:59:52	R1903954-008	Cd (214.439 nm)	2.34	0.0095 (ppm)	196.2953
5/7/2019 17:59:52	R1903954-008	Co (230.786 nm)	1.10	0.0281 (ppm)	350.0740
5/7/2019 17:59:52	R1903954-008	Cr (267.716 nm)	0.32	0.0662 (ppm)	2715.0548
5/7/2019 17:59:52	R1903954-008	Cu (327.395 nm)	0.40	0.1986 (ppm)	13230.3031
5/7/2019 17:59:52	R1903954-008	Fe (234.350 nm)	0.32	86.1701 o (ppm)	929981.7937
5/7/2019 17:59:52	R1903954-008	K (766.491 nm)	0.35	9.1700 (ppm)	33317.0836
5/7/2019 17:59:52	R1903954-008	Mg (279.078 nm)	0.13	171.1982 o (ppm)	384622.3475
5/7/2019 17:59:52	R1903954-008	Mn (257.610 nm)	0.19	2.1977 o (ppm)	688812.7089

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 17:59:52	R1903954-008	Mo (202.032 nm)	3.40	0.0071 (ppm)	48.1418
5/7/2019 17:59:52	R1903954-008	Na (588.995 nm)	0.18	2.4586 (ppm)	112410.8680
5/7/2019 17:59:52	R1903954-008	Ni (230.299 nm)	1.06	0.0646 (ppm)	628.4892
5/7/2019 17:59:52	R1903954-008	Pb (220.353 nm)	0.14	2.9071 o (ppm)	8123.6018
5/7/2019 17:59:52	R1903954-008	Sb (217.582 nm)	> 100.00	-0.0017 u (ppm)	-2.1841
5/7/2019 17:59:52	R1903954-008	Se (196.026 nm)	> 100.00	-0.0041 u (ppm)	1.6909
5/7/2019 17:59:52	R1903954-008	Sn (189.925 nm)	2.64	0.0348 (ppm)	23.5474
5/7/2019 17:59:52	R1903954-008	Sr (216.596 nm)	0.49	0.5074 (ppm)	5111.4483
5/7/2019 17:59:52	R1903954-008	Ti (336.122 nm)	0.12	1.1530 (ppm)	285217.5980
5/7/2019 17:59:52	R1903954-008	Tl (351.923 nm)	38.02	0.0068 (ppm)	20.7083
5/7/2019 17:59:52	R1903954-008	V (292.401 nm)	0.19	0.1206 (ppm)	3864.7099
5/7/2019 17:59:52	R1903954-008	Y (360.074 nm)	0.67	0.93 (Ratio)	902500.97
5/7/2019 17:59:52	R1903954-008	Y_R (360.074 nm)	0.67	0.93 (Ratio)	902500.97
5/7/2019 17:59:52	R1903954-008	Zn (213.857 nm)	0.27	2.4426 o (ppm)	82330.3818
5/7/2019 18:03:13	R1903954-010	Ag (328.068 nm)	22.66	0.0008 (ppm)	-73.1227
5/7/2019 18:03:13	R1903954-010	Al (394.401 nm)	0.16	36.2384 o (ppm)	620195.9847
5/7/2019 18:03:13	R1903954-010	As (188.980 nm)	11.30	0.0534 (ppm)	34.2280
5/7/2019 18:03:13	R1903954-010	B (249.772 nm)	0.32	0.0978 (ppm)	3954.6317
5/7/2019 18:03:13	R1903954-010	Ba (230.424 nm)	0.26	1.1872 (ppm)	55471.0004
5/7/2019 18:03:13	R1903954-010	Be (313.107 nm)	0.58	0.0021 (ppm)	2455.1393
5/7/2019 18:03:13	R1903954-010	Ca (227.547 nm)	0.28	591.5489 o (ppm)	36237.3363
5/7/2019 18:03:13	R1903954-010	Cd (214.439 nm)	0.58	0.0106 (ppm)	218.0366
5/7/2019 18:03:13	R1903954-010	Co (230.786 nm)	1.21	0.0322 (ppm)	402.0601
5/7/2019 18:03:13	R1903954-010	Cr (267.716 nm)	0.34	0.0786 (ppm)	3218.9038
5/7/2019 18:03:13	R1903954-010	Cu (327.395 nm)	0.18	0.2691 (ppm)	17915.7968
5/7/2019 18:03:13	R1903954-010	Fe (234.350 nm)	0.03	88.7754 o (ppm)	958097.5813
5/7/2019 18:03:13	R1903954-010	K (766.491 nm)	0.36	9.1097 (ppm)	33098.1822
5/7/2019 18:03:13	R1903954-010	Mg (279.078 nm)	0.07	231.5056 o (ppm)	520103.8155
5/7/2019 18:03:13	R1903954-010	Mn (257.610 nm)	0.31	2.6470 o (ppm)	829627.1756
5/7/2019 18:03:13	R1903954-010	Mo (202.032 nm)	6.64	0.0040 (ppm)	31.0362
5/7/2019 18:03:13	R1903954-010	Na (588.995 nm)	0.33	1.8149 (ppm)	81085.1458
5/7/2019 18:03:13	R1903954-010	Ni (230.299 nm)	1.04	0.0750 (ppm)	731.3980
5/7/2019 18:03:13	R1903954-010	Pb (220.353 nm)	0.09	2.0014 o (ppm)	5593.9216
5/7/2019 18:03:13	R1903954-010	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	0.3284
5/7/2019 18:03:13	R1903954-010	Se (196.026 nm)	> 100.00	-0.0045 u (ppm)	1.4926
5/7/2019 18:03:13	R1903954-010	Sn (189.925 nm)	1.61	0.0512 (ppm)	34.9906
5/7/2019 18:03:13	R1903954-010	Sr (216.596 nm)	0.24	0.6022 (ppm)	6066.7431
5/7/2019 18:03:13	R1903954-010	Ti (336.122 nm)	1.01	1.2577 (ppm)	311123.9391
5/7/2019 18:03:13	R1903954-010	Tl (351.923 nm)	6.64	0.0137 (ppm)	40.7489
5/7/2019 18:03:13	R1903954-010	V (292.401 nm)	0.05	0.1928 (ppm)	6145.7297
5/7/2019 18:03:13	R1903954-010	Y (360.074 nm)	0.53	0.92 (Ratio)	893040.71
5/7/2019 18:03:13	R1903954-010	Y_R (360.074 nm)	0.53	0.92 (Ratio)	893040.71
5/7/2019 18:03:13	R1903954-010	Zn (213.857 nm)	0.16	1.9395 (ppm)	65373.5335
5/7/2019 18:06:34	Continuing Calibration Verification	Ag (328.068 nm)	0.04	0.4941 (ppm)	36787.3893
5/7/2019 18:06:34	Continuing Calibration Verification	Al (394.401 nm)	0.15	9.6392 (ppm)	165188.9070
5/7/2019 18:06:34	Continuing Calibration Verification	As (188.980 nm)	0.42	0.9813 (ppm)	631.7640
5/7/2019 18:06:34	Continuing Calibration Verification	B (249.772 nm)	0.17	2.4474 (ppm)	96044.8804
5/7/2019 18:06:34	Continuing Calibration Verification	Ba (230.424 nm)	0.52	10.2906 (ppm)	480487.0259
5/7/2019 18:06:34	Continuing Calibration Verification	Be (313.107 nm)	0.55	0.2545 (ppm)	339152.2314
5/7/2019 18:06:34	Continuing Calibration Verification	Ca (227.547 nm)	0.53	24.3598 (ppm)	1493.1072
5/7/2019 18:06:34	Continuing Calibration Verification	Cd (214.439 nm)	0.48	0.5013 (ppm)	10127.8330

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:06:34	Continuing Calibration Verification	Co (230.786 nm)	0.16	2.6215 (ppm)	32926.1856
5/7/2019 18:06:34	Continuing Calibration Verification	Cr (267.716 nm)	0.20	0.5081 (ppm)	20722.1501
5/7/2019 18:06:34	Continuing Calibration Verification	Cu (327.395 nm)	0.31	1.2149 (ppm)	80790.7587
5/7/2019 18:06:34	Continuing Calibration Verification	Fe (234.350 nm)	0.11	4.9336 (ppm)	53290.3533
5/7/2019 18:06:34	Continuing Calibration Verification	K (766.491 nm)	0.34	24.3579 (ppm)	88516.1873
5/7/2019 18:06:34	Continuing Calibration Verification	Mg (279.078 nm)	0.12	25.0346 (ppm)	56264.1112
5/7/2019 18:06:34	Continuing Calibration Verification	Mn (257.610 nm)	0.21	0.7540 (ppm)	236359.3397
5/7/2019 18:06:34	Continuing Calibration Verification	Mo (202.032 nm)	0.18	2.4965 (ppm)	14096.6581
5/7/2019 18:06:34	Continuing Calibration Verification	Na (588.995 nm)	0.72	24.7323 (ppm)	1196256.2452
5/7/2019 18:06:34	Continuing Calibration Verification	Ni (230.299 nm)	0.37	2.0117 (ppm)	19942.4300
5/7/2019 18:06:34	Continuing Calibration Verification	Pb (220.353 nm)	0.32	0.5083 (ppm)	1423.5625
5/7/2019 18:06:34	Continuing Calibration Verification	Sb (217.582 nm)	0.07	4.8146 (ppm)	5588.2869
5/7/2019 18:06:34	Continuing Calibration Verification	Se (196.026 nm)	0.76	0.4836 (ppm)	237.8801
5/7/2019 18:06:34	Continuing Calibration Verification	Sn (189.925 nm)	0.43	5.0512 (ppm)	3536.4372
5/7/2019 18:06:34	Continuing Calibration Verification	Sr (216.596 nm)	0.21	2.5303 (ppm)	25487.4308
5/7/2019 18:06:34	Continuing Calibration Verification	Ti (336.122 nm)	0.09	2.5303 (ppm)	625868.0103
5/7/2019 18:06:34	Continuing Calibration Verification	Ti (351.923 nm)	0.06	1.0180 (ppm)	2924.2731
5/7/2019 18:06:34	Continuing Calibration Verification	V (292.401 nm)	0.11	2.5525 (ppm)	80767.9482
5/7/2019 18:06:34	Continuing Calibration Verification	Y (360.074 nm)	0.41	0.96 (Ratio)	935774.25
5/7/2019 18:06:34	Continuing Calibration Verification	Y_R (360.074 nm)	0.41	0.96 (Ratio)	935774.25
5/7/2019 18:06:34	Continuing Calibration Verification	Zn (213.857 nm)	0.23	0.9843 (ppm)	33173.2848
5/7/2019 18:09:54	Continuing Calibration Blank	Ag (328.068 nm)	99.04	-0.0001 u (ppm)	-136.9119
5/7/2019 18:09:54	Continuing Calibration Blank	Al (394.401 nm)	4.08	-0.0062 u (ppm)	193.6064
5/7/2019 18:09:54	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-0.5442
5/7/2019 18:09:54	Continuing Calibration Blank	B (249.772 nm)	18.23	-0.0010 u (ppm)	85.6479
5/7/2019 18:09:54	Continuing Calibration Blank	Ba (230.424 nm)	> 100.00	-0.0001 u (ppm)	38.8289
5/7/2019 18:09:54	Continuing Calibration Blank	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-300.1895
5/7/2019 18:09:54	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0314 u (ppm)	2.8234
5/7/2019 18:09:54	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	2.7788
5/7/2019 18:09:54	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.9697
5/7/2019 18:09:54	Continuing Calibration Blank	Cr (267.716 nm)	79.34	-0.0001 u (ppm)	12.0527
5/7/2019 18:09:54	Continuing Calibration Blank	Cu (327.395 nm)	12.13	-0.0002 u (ppm)	15.7328
5/7/2019 18:09:54	Continuing Calibration Blank	Fe (234.350 nm)	3.21	0.0021 (ppm)	70.8422
5/7/2019 18:09:54	Continuing Calibration Blank	K (766.491 nm)	13.53	0.0119 (ppm)	32.9758
5/7/2019 18:09:54	Continuing Calibration Blank	Mg (279.078 nm)	30.49	-0.0024 u (ppm)	18.1574
5/7/2019 18:09:54	Continuing Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	58.1380
5/7/2019 18:09:54	Continuing Calibration Blank	Mo (202.032 nm)	49.68	0.0018 (ppm)	18.7067
5/7/2019 18:09:54	Continuing Calibration Blank	Na (588.995 nm)	7.01	-0.0174 u (ppm)	-8075.0544
5/7/2019 18:09:54	Continuing Calibration Blank	Ni (230.299 nm)	43.38	0.0004 (ppm)	-8.4677
5/7/2019 18:09:54	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	3.6817
5/7/2019 18:09:54	Continuing Calibration Blank	Sb (217.582 nm)	78.72	0.0018 (ppm)	1.8631
5/7/2019 18:09:54	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0010 u (ppm)	4.1293
5/7/2019 18:09:54	Continuing Calibration Blank	Sn (189.925 nm)	67.53	0.0015 (ppm)	0.1852
5/7/2019 18:09:54	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	-0.0001 u (ppm)	0.0894
5/7/2019 18:09:54	Continuing Calibration Blank	Ti (336.122 nm)	33.63	0.0009 (ppm)	267.4182
5/7/2019 18:09:54	Continuing Calibration Blank	Ti (351.923 nm)	> 100.00	-0.0038 u (ppm)	-9.5436
5/7/2019 18:09:54	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.3751
5/7/2019 18:09:54	Continuing Calibration Blank	Y (360.074 nm)	0.44	1.01 (Ratio)	986800.07
5/7/2019 18:09:54	Continuing Calibration Blank	Y_R (360.074 nm)	0.44	1.01 (Ratio)	986800.07
5/7/2019 18:09:54	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.0029
5/7/2019 18:13:12	Contract Required Detection Limit	Ag (328.068 nm)	0.77	0.0098 (ppm)	604.6731

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:13:12	Contract Required Detection Limit	Al (394.401 nm)	0.31	0.1729 (ppm)	3257.1721
5/7/2019 18:13:12	Contract Required Detection Limit	As (188.980 nm)	22.12	0.0210 (ppm)	13.3229
5/7/2019 18:13:12	Contract Required Detection Limit	B (249.772 nm)	0.04	0.1814 (ppm)	7233.2227
5/7/2019 18:13:12	Contract Required Detection Limit	Ba (230.424 nm)	0.29	0.2120 (ppm)	9939.9859
5/7/2019 18:13:12	Contract Required Detection Limit	Be (313.107 nm)	0.06	0.0049 (ppm)	6209.5511
5/7/2019 18:13:12	Contract Required Detection Limit	Ca (227.547 nm)	1.26	0.9706 (ppm)	60.3573
5/7/2019 18:13:12	Contract Required Detection Limit	Cd (214.439 nm)	0.76	0.0099 (ppm)	203.9354
5/7/2019 18:13:12	Contract Required Detection Limit	Co (230.786 nm)	1.05	0.0518 (ppm)	648.7506
5/7/2019 18:13:12	Contract Required Detection Limit	Cr (267.716 nm)	0.46	0.0101 (ppm)	428.3583
5/7/2019 18:13:12	Contract Required Detection Limit	Cu (327.395 nm)	0.82	0.0245 (ppm)	1654.2415
5/7/2019 18:13:12	Contract Required Detection Limit	Fe (234.350 nm)	0.34	0.1055 (ppm)	1186.4367
5/7/2019 18:13:12	Contract Required Detection Limit	K (766.491 nm)	0.29	0.9011 (ppm)	3264.7808
5/7/2019 18:13:12	Contract Required Detection Limit	Mg (279.078 nm)	0.24	0.9833 (ppm)	2232.4094
5/7/2019 18:13:12	Contract Required Detection Limit	Mn (257.610 nm)	0.09	0.0156 (ppm)	4956.8661
5/7/2019 18:13:12	Contract Required Detection Limit	Mo (202.032 nm)	1.08	0.0250 (ppm)	149.5111
5/7/2019 18:13:12	Contract Required Detection Limit	Na (588.995 nm)	0.59	0.9771 (ppm)	40320.4098
5/7/2019 18:13:12	Contract Required Detection Limit	Ni (230.299 nm)	0.68	0.0424 (ppm)	407.8333
5/7/2019 18:13:12	Contract Required Detection Limit	Pb (220.353 nm)	11.44	0.0102 (ppm)	32.2850
5/7/2019 18:13:12	Contract Required Detection Limit	Sb (217.582 nm)	6.03	0.0589 (ppm)	68.1728
5/7/2019 18:13:12	Contract Required Detection Limit	Se (196.026 nm)	72.15	0.0110 (ppm)	8.9881
5/7/2019 18:13:12	Contract Required Detection Limit	Sn (189.925 nm)	0.81	0.5051 (ppm)	352.8343
5/7/2019 18:13:12	Contract Required Detection Limit	Sr (216.596 nm)	1.06	0.1031 (ppm)	1039.6819
5/7/2019 18:13:12	Contract Required Detection Limit	Ti (336.122 nm)	0.05	0.0508 (ppm)	12608.9483
5/7/2019 18:13:12	Contract Required Detection Limit	Tl (351.923 nm)	2.22	0.0169 (ppm)	49.7303
5/7/2019 18:13:12	Contract Required Detection Limit	V (292.401 nm)	0.15	0.0501 (ppm)	1633.7296
5/7/2019 18:13:12	Contract Required Detection Limit	Y (360.074 nm)	0.49	1.01 (Ratio)	982194.50
5/7/2019 18:13:12	Contract Required Detection Limit	Y_R (360.074 nm)	0.49	1.01 (Ratio)	982194.50
5/7/2019 18:13:12	Contract Required Detection Limit	Zn (213.857 nm)	0.71	0.0198 (ppm)	659.6468
5/7/2019 18:16:32	Interference Check Solution A	Ag (328.068 nm)	88.25	0.0001 (ppm)	-123.0416
5/7/2019 18:16:32	Interference Check Solution A	Al (394.401 nm)	0.28	266.6710 o (ppm)	4561999.6158
5/7/2019 18:16:32	Interference Check Solution A	As (188.980 nm)	91.40	0.0011 (ppm)	0.5406
5/7/2019 18:16:32	Interference Check Solution A	B (249.772 nm)	0.40	0.0442 (ppm)	1854.7083
5/7/2019 18:16:32	Interference Check Solution A	Ba (230.424 nm)	14.16	-0.0004 u (ppm)	23.5355
5/7/2019 18:16:32	Interference Check Solution A	Be (313.107 nm)	16.42	-0.0001 u (ppm)	-390.6419
5/7/2019 18:16:32	Interference Check Solution A	Ca (227.547 nm)	0.36	268.4906 o (ppm)	16447.7957
5/7/2019 18:16:32	Interference Check Solution A	Cd (214.439 nm)	19.21	-0.0007 u (ppm)	-9.3044
5/7/2019 18:16:32	Interference Check Solution A	Co (230.786 nm)	2.83	-0.0026 u (ppm)	-34.5052
5/7/2019 18:16:32	Interference Check Solution A	Cr (267.716 nm)	42.94	0.0004 (ppm)	32.0625
5/7/2019 18:16:32	Interference Check Solution A	Cu (327.395 nm)	8.18	-0.0004 u (ppm)	-3.6533
5/7/2019 18:16:32	Interference Check Solution A	Fe (234.350 nm)	0.28	91.2234 o (ppm)	984515.9701
5/7/2019 18:16:32	Interference Check Solution A	K (766.491 nm)	17.75	0.0139 (ppm)	40.4126
5/7/2019 18:16:32	Interference Check Solution A	Mg (279.078 nm)	0.29	263.4366 o (ppm)	591837.0584
5/7/2019 18:16:32	Interference Check Solution A	Mn (257.610 nm)	0.74	0.0018 (ppm)	624.4596
5/7/2019 18:16:32	Interference Check Solution A	Mo (202.032 nm)	53.83	-0.0009 u (ppm)	3.2578
5/7/2019 18:16:32	Interference Check Solution A	Na (588.995 nm)	0.43	-0.0337 u (ppm)	-8868.1340
5/7/2019 18:16:32	Interference Check Solution A	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-12.7497
5/7/2019 18:16:32	Interference Check Solution A	Pb (220.353 nm)	34.12	-0.0022 u (ppm)	-2.4872
5/7/2019 18:16:32	Interference Check Solution A	Sb (217.582 nm)	51.44	-0.0040 u (ppm)	-4.7988
5/7/2019 18:16:32	Interference Check Solution A	Se (196.026 nm)	> 100.00	0.0055 u (ppm)	6.3144
5/7/2019 18:16:32	Interference Check Solution A	Sn (189.925 nm)	> 100.00	-0.0015 u (ppm)	-1.9125
5/7/2019 18:16:32	Interference Check Solution A	Sr (216.596 nm)	2.31	0.0185 (ppm)	187.6007

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:16:32	Interference Check Solution A	Ti (336.122 nm)	9.29	0.0011 (ppm)	333.6278
5/7/2019 18:16:32	Interference Check Solution A	Ti (351.923 nm)	> 100.00	0.0006 u (ppm)	2.8847
5/7/2019 18:16:32	Interference Check Solution A	V (292.401 nm)	8.36	0.0017 (ppm)	102.8574
5/7/2019 18:16:32	Interference Check Solution A	Y (360.074 nm)	0.57	0.88 (Ratio)	856257.68
5/7/2019 18:16:32	Interference Check Solution A	Y_R (360.074 nm)	0.57	0.88 (Ratio)	856257.68
5/7/2019 18:16:32	Interference Check Solution A	Zn (213.857 nm)	1.17	0.0117 K (ppm)	388.4349 K
5/7/2019 18:19:52	Interference Check Solution AB	Ag (328.068 nm)	0.16	0.2141 (ppm)	15868.3232
5/7/2019 18:19:52	Interference Check Solution AB	Al (394.401 nm)	0.43	267.6700 o (ppm)	4579089.4587
5/7/2019 18:19:52	Interference Check Solution AB	As (188.980 nm)	3.30	0.0991 (ppm)	63.6150
5/7/2019 18:19:52	Interference Check Solution AB	B (249.772 nm)	0.43	0.0435 (ppm)	1826.2610
5/7/2019 18:19:52	Interference Check Solution AB	Ba (230.424 nm)	0.28	0.5309 (ppm)	24831.6672
5/7/2019 18:19:52	Interference Check Solution AB	Be (313.107 nm)	0.40	0.5036 (ppm)	671401.4985
5/7/2019 18:19:52	Interference Check Solution AB	Ca (227.547 nm)	0.07	270.2983 o (ppm)	16558.5285
5/7/2019 18:19:52	Interference Check Solution AB	Cd (214.439 nm)	0.23	0.9808 (ppm)	19810.9427
5/7/2019 18:19:52	Interference Check Solution AB	Co (230.786 nm)	0.11	0.4922 (ppm)	6179.6539
5/7/2019 18:19:52	Interference Check Solution AB	Cr (267.716 nm)	0.10	0.5033 (ppm)	20527.9393
5/7/2019 18:19:52	Interference Check Solution AB	Cu (327.395 nm)	0.24	0.5252 (ppm)	34941.9471
5/7/2019 18:19:52	Interference Check Solution AB	Fe (234.350 nm)	0.22	91.2722 o (ppm)	985042.1332
5/7/2019 18:19:52	Interference Check Solution AB	K (766.491 nm)	9.64	0.0085 (ppm)	20.8781
5/7/2019 18:19:52	Interference Check Solution AB	Mg (279.078 nm)	0.41	264.8179 o (ppm)	594940.1304
5/7/2019 18:19:52	Interference Check Solution AB	Mn (257.610 nm)	0.15	0.4995 (ppm)	156612.4382
5/7/2019 18:19:52	Interference Check Solution AB	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	6.7054
5/7/2019 18:19:52	Interference Check Solution AB	Na (588.995 nm)	4.01	-0.0330 u (ppm)	-8833.8179
5/7/2019 18:19:52	Interference Check Solution AB	Ni (230.299 nm)	0.78	0.9611 (ppm)	9521.0007
5/7/2019 18:19:52	Interference Check Solution AB	Pb (220.353 nm)	3.01	0.0493 (ppm)	141.3740
5/7/2019 18:19:52	Interference Check Solution AB	Sb (217.582 nm)	0.44	0.6171 (ppm)	716.0684
5/7/2019 18:19:52	Interference Check Solution AB	Se (196.026 nm)	18.26	0.0446 (ppm)	25.2644
5/7/2019 18:19:52	Interference Check Solution AB	Sn (189.825 nm)	> 100.00	-0.0008 u (ppm)	-1.4206
5/7/2019 18:19:52	Interference Check Solution AB	Sr (216.596 nm)	0.89	0.0199 (ppm)	201.5344
5/7/2019 18:19:52	Interference Check Solution AB	Ti (336.122 nm)	1.04	0.0011 (ppm)	319.6458
5/7/2019 18:19:52	Interference Check Solution AB	Ti (351.923 nm)	3.52	0.1149 (ppm)	331.2397
5/7/2019 18:19:52	Interference Check Solution AB	V (292.401 nm)	0.18	0.5118 (ppm)	16234.7674
5/7/2019 18:19:52	Interference Check Solution AB	Y (360.074 nm)	0.37	0.88 (Ratio)	852412.61
5/7/2019 18:19:52	Interference Check Solution AB	Y_R (360.074 nm)	0.37	0.88 (Ratio)	852412.61
5/7/2019 18:19:52	Interference Check Solution AB	Zn (213.857 nm)	0.21	1.0293 (ppm)	34690.8852
5/7/2019 18:23:13	HLCCV2	Ag (328.068 nm)	0.24	2.1732 o (ppm)	162254.8638
5/7/2019 18:23:13	HLCCV2	Al (394.401 nm)	0.21	529.3768 o (ppm)	9055871.9238
5/7/2019 18:23:13	HLCCV2	As (188.980 nm)	0.57	4.2306 o (ppm)	2724.3738
5/7/2019 18:23:13	HLCCV2	B (249.772 nm)	0.02	10.5159 o (ppm)	412271.6776
5/7/2019 18:23:13	HLCCV2	Ba (230.424 nm)	0.09	39.1058 o (ppm)	1825803.0178
5/7/2019 18:23:13	HLCCV2	Be (313.107 nm)	0.16	1.0065 o (ppm)	1341985.2792
5/7/2019 18:23:13	HLCCV2	Ca (227.547 nm)	0.28	269.8563 o (ppm)	16531.4515
5/7/2019 18:23:13	HLCCV2	Cd (214.439 nm)	0.25	1.9926 o (ppm)	40241.0572
5/7/2019 18:23:13	HLCCV2	Co (230.786 nm)	0.24	9.6347 o (ppm)	121020.5559
5/7/2019 18:23:13	HLCCV2	Cr (267.716 nm)	0.10	10.0224 o (ppm)	408421.2992
5/7/2019 18:23:13	HLCCV2	Cu (327.395 nm)	0.35	5.3822 o (ppm)	357836.2142
5/7/2019 18:23:13	HLCCV2	Fe (234.350 nm)	0.15	47.2100 o (ppm)	509530.0754
5/7/2019 18:23:13	HLCCV2	K (766.491 nm)	0.26	160.7605 o (ppm)	584257.2148
5/7/2019 18:23:13	HLCCV2	Mg (279.078 nm)	0.38	519.2541 o (ppm)	1166534.2605
5/7/2019 18:23:13	HLCCV2	Mn (257.610 nm)	0.28	9.6069 o (ppm)	3010841.3029
5/7/2019 18:23:13	HLCCV2	Mo (202.032 nm)	0.13	9.9766 o (ppm)	56308.4016

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:23:13	HLCCV2	Na (588.995 nm)	0.20	185.5183 o (ppm)	9020183.6829
5/7/2019 18:23:13	HLCCV2	Ni (230.299 nm)	0.21	7.6610 o (ppm)	75979.2333
5/7/2019 18:23:13	HLCCV2	Pb (220.353 nm)	0.14	9.8065 o (ppm)	27394.0106
5/7/2019 18:23:13	HLCCV2	Sb (217.582 nm)	16.66	0.0323 (ppm)	37.2982
5/7/2019 18:23:13	HLCCV2	Se (196.026 nm)	0.39	2.1154 o (ppm)	1028.2807
5/7/2019 18:23:13	HLCCV2	Sn (189.925 nm)	27.26	-0.0116 u (ppm)	-8.9863
5/7/2019 18:23:13	HLCCV2	Sr (216.596 nm)	0.17	9.9569 o (ppm)	100293.4106
5/7/2019 18:23:13	HLCCV2	Ti (336.122 nm)	0.33	10.0066 o (ppm)	2474957.3022
5/7/2019 18:23:13	HLCCV2	Tl (351.923 nm)	0.17	4.3782 o (ppm)	12572.1421
5/7/2019 18:23:13	HLCCV2	V (292.401 nm)	0.29	10.0172 o (ppm)	316825.8171
5/7/2019 18:23:13	HLCCV2	Y (360.074 nm)	0.60	0.85 (Ratio)	828723.32
5/7/2019 18:23:13	HLCCV2	Y_R (360.074 nm)	0.60	0.85 (Ratio)	828723.32
5/7/2019 18:23:13	HLCCV2	Zn (213.857 nm)	0.25	4.2128 o (ppm)	142001.8535
5/7/2019 18:26:33	HLCCV3	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-129.5273
5/7/2019 18:26:33	HLCCV3	Al (394.401 nm)	29.57	0.0593 (ppm)	1312.6979
5/7/2019 18:26:33	HLCCV3	As (188.980 nm)	72.88	0.0028 (ppm)	1.6329
5/7/2019 18:26:33	HLCCV3	B (249.772 nm)	2.29	0.0254 (ppm)	1117.2603
5/7/2019 18:26:33	HLCCV3	Ba (230.424 nm)	45.40	0.0030 (ppm)	183.0048
5/7/2019 18:26:33	HLCCV3	Be (313.107 nm)	53.90	0.0001 (ppm)	-214.9684
5/7/2019 18:26:33	HLCCV3	Ca (227.547 nm)	0.40	203.9628 o (ppm)	12495.0244
5/7/2019 18:26:33	HLCCV3	Cd (214.439 nm)	12.56	0.0008 (ppm)	21.2913
5/7/2019 18:26:33	HLCCV3	Co (230.786 nm)	60.57	-0.0007 u (ppm)	-10.7427
5/7/2019 18:26:33	HLCCV3	Cr (267.716 nm)	68.58	0.0007 (ppm)	45.6149
5/7/2019 18:26:33	HLCCV3	Cu (327.395 nm)	0.29	4.0165 o (ppm)	267039.6234
5/7/2019 18:26:33	HLCCV3	Fe (234.350 nm)	0.07	37.0826 o (ppm)	400237.8841
5/7/2019 18:26:33	HLCCV3	K (766.491 nm)	0.41	100.4917 o (ppm)	365216.5927
5/7/2019 18:26:33	HLCCV3	Mg (279.078 nm)	47.79	0.0300 (ppm)	91.0230
5/7/2019 18:26:33	HLCCV3	Mn (257.610 nm)	37.46	0.0008 (ppm)	327.3268
5/7/2019 18:26:33	HLCCV3	Mo (202.032 nm)	19.82	0.0078 (ppm)	52.5483
5/7/2019 18:26:33	HLCCV3	Na (588.995 nm)	0.59	137.4571 o (ppm)	6681500.5256
5/7/2019 18:26:33	HLCCV3	Ni (230.299 nm)	1.66	-0.0258 u (ppm)	-268.6403
5/7/2019 18:26:33	HLCCV3	Pb (220.353 nm)	> 100.00	0.0004 u (ppm)	4.7426
5/7/2019 18:26:33	HLCCV3	Sb (217.582 nm)	> 100.00	-0.0020 u (ppm)	-2.5368
5/7/2019 18:26:33	HLCCV3	Se (196.026 nm)	71.11	-0.0084 u (ppm)	-0.4063
5/7/2019 18:26:33	HLCCV3	Sn (189.925 nm)	> 100.00	-0.0006 u (ppm)	-1.3014
5/7/2019 18:26:33	HLCCV3	Sr (216.596 nm)	3.09	0.0127 (ppm)	128.5512
5/7/2019 18:26:33	HLCCV3	Ti (336.122 nm)	21.37	0.0039 (ppm)	1014.3734
5/7/2019 18:26:33	HLCCV3	Tl (351.923 nm)	0.33	2.9633 o (ppm)	8509.7781
5/7/2019 18:26:33	HLCCV3	V (292.401 nm)	50.23	0.0010 (ppm)	82.5586
5/7/2019 18:26:33	HLCCV3	Y (360.074 nm)	0.52	0.91 (Ratio)	881990.67
5/7/2019 18:26:33	HLCCV3	Y_R (360.074 nm)	0.52	0.91 (Ratio)	881990.67
5/7/2019 18:26:33	HLCCV3	Zn (213.857 nm)	1.91	0.0062 (ppm)	200.7675
5/7/2019 18:29:53	HLCCV1	Ag (328.068 nm)	0.26	0.9954 (ppm)	74249.8146
5/7/2019 18:29:53	HLCCV1	Al (394.401 nm)	0.45	19.9393 (ppm)	341382.4464
5/7/2019 18:29:53	HLCCV1	As (188.980 nm)	1.06	1.9938 (ppm)	1283.8264
5/7/2019 18:29:53	HLCCV1	B (249.772 nm)	0.28	4.9324 (ppm)	193438.6257
5/7/2019 18:29:53	HLCCV1	Ba (230.424 nm)	0.79	19.8315 (ppm)	925933.4519
5/7/2019 18:29:53	HLCCV1	Be (313.107 nm)	0.52	0.4972 (ppm)	662761.5679
5/7/2019 18:29:53	HLCCV1	Ca (227.547 nm)	0.22	49.6492 (ppm)	3042.2548
5/7/2019 18:29:53	HLCCV1	Cd (214.439 nm)	0.43	0.9994 (ppm)	20184.9776
5/7/2019 18:29:53	HLCCV1	Co (230.786 nm)	0.20	4.9792 (ppm)	62541.5852

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:29:53	HLCCV1	Cr (267.716 nm)	0.42	0.9934 (ppm)	40499.5252
5/7/2019 18:29:53	HLCCV1	Cu (327.395 nm)	0.49	2.4819 (ppm)	165019.7308
5/7/2019 18:29:53	HLCCV1	Fe (234.350 nm)	0.35	9.9583 (ppm)	107516.4241
5/7/2019 18:29:53	HLCCV1	K (766.491 nm)	0.68	49.1813 (ppm)	178734.1094
5/7/2019 18:29:53	HLCCV1	Mg (279.078 nm)	0.29	49.8754 (ppm)	112069.3039
5/7/2019 18:29:53	HLCCV1	Mn (257.610 nm)	0.23	1.4823 (ppm)	464603.5230
5/7/2019 18:29:53	HLCCV1	Mo (202.032 nm)	0.36	4.9920 (ppm)	28179.3162
5/7/2019 18:29:53	HLCCV1	Na (588.995 nm)	0.40	49.4454 (ppm)	2398807.7911
5/7/2019 18:29:53	HLCCV1	Ni (230.299 nm)	0.26	3.9810 (ppm)	39476.9198
5/7/2019 18:29:53	HLCCV1	Pb (220.353 nm)	0.29	1.0036 (ppm)	2806.8070
5/7/2019 18:29:53	HLCCV1	Sb (217.582 nm)	0.22	9.9463 (ppm)	11544.9055
5/7/2019 18:29:53	HLCCV1	Se (196.026 nm)	0.45	0.9973 (ppm)	486.7120
5/7/2019 18:29:53	HLCCV1	Sn (189.925 nm)	0.53	9.9863 (ppm)	6992.3788
5/7/2019 18:29:53	HLCCV1	Sr (216.596 nm)	0.40	5.0000 (ppm)	50364.3887
5/7/2019 18:29:53	HLCCV1	Ti (336.122 nm)	0.38	4.9811 (ppm)	1232015.2334
5/7/2019 18:29:53	HLCCV1	Tl (351.923 nm)	0.47	1.9946 (ppm)	5728.1358
5/7/2019 18:29:53	HLCCV1	V (292.401 nm)	0.32	4.9809 (ppm)	157560.2180
5/7/2019 18:29:53	HLCCV1	Y (360.074 nm)	0.50	0.94 (Ratio)	912824.64
5/7/2019 18:29:53	HLCCV1	Y_R (360.074 nm)	0.50	0.94 (Ratio)	912824.64
5/7/2019 18:29:53	HLCCV1	Zn (213.857 nm)	0.39	1.9988 (ppm)	67371.5748
5/7/2019 18:33:14	Continuing Calibration Verification	Ag (328.068 nm)	0.21	0.4937 (ppm)	36761.4849
5/7/2019 18:33:14	Continuing Calibration Verification	Al (394.401 nm)	0.33	9.6377 (ppm)	165162.7273
5/7/2019 18:33:14	Continuing Calibration Verification	As (188.980 nm)	1.10	0.9863 (ppm)	634.9768
5/7/2019 18:33:14	Continuing Calibration Verification	B (249.772 nm)	0.25	2.4526 (ppm)	96247.0369
5/7/2019 18:33:14	Continuing Calibration Verification	Ba (230.424 nm)	0.15	10.3245 (ppm)	482069.5918
5/7/2019 18:33:14	Continuing Calibration Verification	Be (313.107 nm)	0.13	0.2541 (ppm)	338527.8436
5/7/2019 18:33:14	Continuing Calibration Verification	Ca (227.547 nm)	0.46	24.1969 (ppm)	1483.1278
5/7/2019 18:33:14	Continuing Calibration Verification	Cd (214.439 nm)	0.20	0.5021 (ppm)	10143.8738
5/7/2019 18:33:14	Continuing Calibration Verification	Co (230.786 nm)	0.22	2.6157 (ppm)	32853.9915
5/7/2019 18:33:14	Continuing Calibration Verification	Cr (267.716 nm)	0.24	0.5074 (ppm)	20694.7939
5/7/2019 18:33:14	Continuing Calibration Verification	Cu (327.395 nm)	0.23	1.2114 (ppm)	80557.5504
5/7/2019 18:33:14	Continuing Calibration Verification	Fe (234.350 nm)	0.24	4.9093 (ppm)	53028.6491
5/7/2019 18:33:14	Continuing Calibration Verification	K (766.491 nm)	0.55	24.3462 (ppm)	88473.6460
5/7/2019 18:33:14	Continuing Calibration Verification	Mg (279.078 nm)	0.22	24.9818 (ppm)	56145.4695
5/7/2019 18:33:14	Continuing Calibration Verification	Mn (257.610 nm)	0.18	0.7530 (ppm)	23604.15093
5/7/2019 18:33:14	Continuing Calibration Verification	Mo (202.032 nm)	0.27	2.5021 (ppm)	14128.0179
5/7/2019 18:33:14	Continuing Calibration Verification	Na (588.995 nm)	0.42	24.5622 (ppm)	1187983.5458
5/7/2019 18:33:14	Continuing Calibration Verification	Ni (230.299 nm)	0.20	2.0087 (ppm)	19912.6872
5/7/2019 18:33:14	Continuing Calibration Verification	Pb (220.353 nm)	0.10	0.5071 (ppm)	1420.2391
5/7/2019 18:33:14	Continuing Calibration Verification	Sb (217.582 nm)	0.27	4.8229 (ppm)	5597.9360
5/7/2019 18:33:14	Continuing Calibration Verification	Se (196.026 nm)	1.16	0.4886 (ppm)	240.3316
5/7/2019 18:33:14	Continuing Calibration Verification	Sn (189.925 nm)	0.26	5.0475 (ppm)	3533.8624
5/7/2019 18:33:14	Continuing Calibration Verification	Sr (216.596 nm)	0.25	2.5270 (ppm)	25454.6001
5/7/2019 18:33:14	Continuing Calibration Verification	Ti (336.122 nm)	0.38	2.5292 (ppm)	625604.0945
5/7/2019 18:33:14	Continuing Calibration Verification	Tl (351.923 nm)	0.22	1.0142 (ppm)	2913.4154
5/7/2019 18:33:14	Continuing Calibration Verification	V (292.401 nm)	0.29	2.5539 (ppm)	80811.2056
5/7/2019 18:33:14	Continuing Calibration Verification	Y (360.074 nm)	0.66	0.96 (Ratio)	934862.59
5/7/2019 18:33:14	Continuing Calibration Verification	Y_R (360.074 nm)	0.66	0.96 (Ratio)	934862.59
5/7/2019 18:33:14	Continuing Calibration Verification	Zn (213.857 nm)	0.23	0.9841 (ppm)	33166.3220
5/7/2019 18:36:33	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-130.4516
5/7/2019 18:36:33	Continuing Calibration Blank	Al (394.401 nm)	8.79	-0.0055 u (ppm)	204.0536

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:36:33	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0030 u (ppm)	1.7248
5/7/2019 18:36:33	Continuing Calibration Blank	B (249.772 nm)	27.34	0.0009 (ppm)	157.6179
5/7/2019 18:36:33	Continuing Calibration Blank	Ba (230.424 nm)	45.61	0.0004 (ppm)	62.5554
5/7/2019 18:36:33	Continuing Calibration Blank	Be (313.107 nm)	57.92	0.0000 (ppm)	-278.1389
5/7/2019 18:36:33	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0156 u (ppm)	1.8525
5/7/2019 18:36:33	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	2.5014
5/7/2019 18:36:33	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-1.8248
5/7/2019 18:36:33	Continuing Calibration Blank	Cr (267.716 nm)	75.19	-0.0001 u (ppm)	13.6754
5/7/2019 18:36:33	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	26.1563
5/7/2019 18:36:33	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	-0.0004 u (ppm)	44.0046
5/7/2019 18:36:33	Continuing Calibration Blank	K (766.491 nm)	24.64	0.0420 (ppm)	142.5310
5/7/2019 18:36:33	Continuing Calibration Blank	Mg (279.078 nm)	18.93	-0.0044 u (ppm)	13.5616
5/7/2019 18:36:33	Continuing Calibration Blank	Mn (257.610 nm)	59.15	0.0000 u (ppm)	50.7703
5/7/2019 18:36:33	Continuing Calibration Blank	Mo (202.032 nm)	24.69	0.0035 (ppm)	28.0113
5/7/2019 18:36:33	Continuing Calibration Blank	Na (588.995 nm)	11.86	-0.0127 u (ppm)	-7843.2271
5/7/2019 18:36:33	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 (ppm)	-10.4299
5/7/2019 18:36:33	Continuing Calibration Blank	Pb (220.353 nm)	39.13	-0.0011 u (ppm)	0.5985
5/7/2019 18:36:33	Continuing Calibration Blank	Sb (217.582 nm)	49.61	0.0024 (ppm)	2.5996
5/7/2019 18:36:33	Continuing Calibration Blank	Se (196.026 nm)	47.40	-0.0013 u (ppm)	3.0262
5/7/2019 18:36:33	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0018 u (ppm)	0.3875
5/7/2019 18:36:33	Continuing Calibration Blank	Sr (216.596 nm)	31.30	0.0002 (ppm)	3.4924
5/7/2019 18:36:33	Continuing Calibration Blank	Ti (336.122 nm)	20.86	0.0012 (ppm)	346.6053
5/7/2019 18:36:33	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0000 u (ppm)	1.3662
5/7/2019 18:36:33	Continuing Calibration Blank	V (292.401 nm)	80.96	0.0002 (ppm)	55.6124
5/7/2019 18:36:33	Continuing Calibration Blank	Y (360.074 nm)	0.38	1.01 (Ratio)	983004.10
5/7/2019 18:36:33	Continuing Calibration Blank	Y_R (360.074 nm)	0.38	1.01 (Ratio)	983004.10
5/7/2019 18:36:33	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.8397
5/7/2019 18:39:52	PBW-336053	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-136.9329
5/7/2019 18:39:52	PBW-336053	Al (394.401 nm)	10.57	-0.0040 u (ppm)	230.8052
5/7/2019 18:39:52	PBW-336053	As (188.980 nm)	> 100.00	-0.0014 u (ppm)	-1.0751
5/7/2019 18:39:52	PBW-336053	B (249.772 nm)	27.72	-0.0004 u (ppm)	109.3942
5/7/2019 18:39:52	PBW-336053	Ba (230.424 nm)	5.40	-0.0006 u (ppm)	15.1756
5/7/2019 18:39:52	PBW-336053	Be (313.107 nm)	10.26	0.0000 u (ppm)	-309.4922
5/7/2019 18:39:52	PBW-336053	Ca (227.547 nm)	57.43	0.0411 (ppm)	3.4191
5/7/2019 18:39:52	PBW-336053	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.4791
5/7/2019 18:39:52	PBW-336053	Co (230.786 nm)	95.56	-0.0003 u (ppm)	-5.8143
5/7/2019 18:39:52	PBW-336053	Cr (267.716 nm)	34.07	-0.0003 u (ppm)	5.5073
5/7/2019 18:39:52	PBW-336053	Cu (327.395 nm)	20.21	0.0001 (ppm)	33.9860
5/7/2019 18:39:52	PBW-336053	Fe (234.350 nm)	47.14	0.0007 (ppm)	56.2055
5/7/2019 18:39:52	PBW-336053	K (766.491 nm)	2.54	0.2971 (ppm)	1069.7071
5/7/2019 18:39:52	PBW-336053	Mg (279.078 nm)	8.80	-0.0053 u (ppm)	11.6901
5/7/2019 18:39:52	PBW-336053	Mn (257.610 nm)	10.64	-0.0001 u (ppm)	42.0294
5/7/2019 18:39:52	PBW-336053	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	7.9747
5/7/2019 18:39:52	PBW-336053	Na (588.995 nm)	4.12	0.0282 (ppm)	-5853.5778
5/7/2019 18:39:52	PBW-336053	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.4313
5/7/2019 18:39:52	PBW-336053	Pb (220.353 nm)	68.41	-0.0009 u (ppm)	1.0973
5/7/2019 18:39:52	PBW-336053	Sb (217.582 nm)	22.63	0.0008 (ppm)	0.7055
5/7/2019 18:39:52	PBW-336053	Se (196.026 nm)	> 100.00	-0.0032 u (ppm)	2.1045
5/7/2019 18:39:52	PBW-336053	Sn (189.925 nm)	65.38	0.0009 (ppm)	-0.2560
5/7/2019 18:39:52	PBW-336053	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	0.7068
5/7/2019 18:39:52	PBW-336053	Ti (336.122 nm)	16.21	0.0006 (ppm)	201.8762

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:39:52	PBW-336053	Tl (351.923 nm)	> 100.00	-0.0016 u (ppm)	-3.4185
5/7/2019 18:39:52	PBW-336053	V (292.401 nm)	77.11	-0.0002 u (ppm)	41.8048
5/7/2019 18:39:52	PBW-336053	Y (360.074 nm)	0.45	1.03 (Ratio)	1004408.70
5/7/2019 18:39:52	PBW-336053	Y_R (360.074 nm)	0.45	1.03 (Ratio)	1004408.70
5/7/2019 18:39:52	PBW-336053	Zn (213.857 nm)	0.30	0.0078 (ppm)	254.7709
5/7/2019 18:43:12	LCSW-336053	Ag (328.068 nm)	0.08	0.0503 (ppm)	3629.9682
5/7/2019 18:43:12	LCSW-336053	Al (394.401 nm)	0.07	1.8012 (ppm)	32820.8239
5/7/2019 18:43:12	LCSW-336053	As (188.980 nm)	8.35	0.0404 (ppm)	25.8407
5/7/2019 18:43:12	LCSW-336053	B (249.772 nm)	0.10	1.0163 (ppm)	39956.7447
5/7/2019 18:43:12	LCSW-336053	Ba (230.424 nm)	0.85	2.1270 (ppm)	99349.7440
5/7/2019 18:43:12	LCSW-336053	Be (313.107 nm)	0.05	0.0508 (ppm)	67417.0226
5/7/2019 18:43:12	LCSW-336053	Ca (227.547 nm)	1.46	1.9528 (ppm)	120.5252
5/7/2019 18:43:12	LCSW-336053	Cd (214.439 nm)	0.57	0.0521 (ppm)	1057.3037
5/7/2019 18:43:12	LCSW-336053	Co (230.786 nm)	0.26	0.5280 (ppm)	6629.6924
5/7/2019 18:43:12	LCSW-336053	Cr (267.716 nm)	0.13	0.2071 (ppm)	8457.0193
5/7/2019 18:43:12	LCSW-336053	Cu (327.395 nm)	0.21	0.2497 (ppm)	16627.4438
5/7/2019 18:43:12	LCSW-336053	Fe (234.350 nm)	0.20	0.8992 (ppm)	10831.8490
5/7/2019 18:43:12	LCSW-336053	K (766.491 nm)	0.22	19.6185 (ppm)	71291.2196
5/7/2019 18:43:12	LCSW-336053	Mg (279.078 nm)	0.25	2.0356 (ppm)	4596.5386
5/7/2019 18:43:12	LCSW-336053	Mn (257.610 nm)	0.07	0.5092 (ppm)	159638.5482
5/7/2019 18:43:12	LCSW-336053	Mo (202.032 nm)	0.88	0.5015 (ppm)	2838.6407
5/7/2019 18:43:12	LCSW-336053	Na (588.995 nm)	0.17	19.8692 (ppm)	959615.0977
5/7/2019 18:43:12	LCSW-336053	Ni (230.299 nm)	0.19	0.5133 (ppm)	5078.9968
5/7/2019 18:43:12	LCSW-336053	Pb (220.353 nm)	0.62	0.5296 (ppm)	1482.9524
5/7/2019 18:43:12	LCSW-336053	Sb (217.582 nm)	1.31	0.4829 (ppm)	560.2693
5/7/2019 18:43:12	LCSW-336053	Se (196.026 nm)	0.37	1.0419 (ppm)	508.3461
5/7/2019 18:43:12	LCSW-336053	Sn (189.925 nm)	0.05	5.0815 (ppm)	3557.6594
5/7/2019 18:43:12	LCSW-336053	Sr (216.596 nm)	0.26	2.0718 (ppm)	20869.5915
5/7/2019 18:43:12	LCSW-336053	Ti (336.122 nm)	0.05	0.5128 (ppm)	126874.6500
5/7/2019 18:43:12	LCSW-336053	Tl (351.923 nm)	0.14	1.9557 (ppm)	5616.5779
5/7/2019 18:43:12	LCSW-336053	V (292.401 nm)	0.01	0.5033 (ppm)	15966.5229
5/7/2019 18:43:12	LCSW-336053	Y (360.074 nm)	0.47	0.89 (Ratio)	967560.68
5/7/2019 18:43:12	LCSW-336053	Y_R (360.074 nm)	0.47	0.89 (Ratio)	967560.68
5/7/2019 18:43:12	LCSW-336053	Zn (213.857 nm)	0.51	0.5247 (ppm)	17680.7455
5/7/2019 18:46:32	R1902784-013	Ag (328.068 nm)	9.37	0.0020 (ppm)	16.4476
5/7/2019 18:46:32	R1902784-013	Al (394.401 nm)	6.64	0.0045 (ppm)	376.6464
5/7/2019 18:46:32	R1902784-013	As (188.980 nm)	31.52	0.0048 (ppm)	2.9243
5/7/2019 18:46:32	R1902784-013	B (249.772 nm)	1.58	0.0097 (ppm)	504.9470
5/7/2019 18:46:32	R1902784-013	Ba (230.424 nm)	2.64	0.0017 (ppm)	122.8534
5/7/2019 18:46:32	R1902784-013	Be (313.107 nm)	0.43	0.0005 (ppm)	325.3161
5/7/2019 18:46:32	R1902784-013	Co (227.547 nm)	7.42	0.1338 (ppm)	9.0989
5/7/2019 18:46:32	R1902784-013	Cd (214.439 nm)	7.12	0.0005 (ppm)	15.5588
5/7/2019 18:46:32	R1902784-013	Co (230.786 nm)	37.11	0.0010 (ppm)	10.7757
5/7/2019 18:46:32	R1902784-013	Cr (267.716 nm)	11.84	0.0010 (ppm)	58.8404
5/7/2019 18:46:32	R1902784-013	Cu (327.395 nm)	1.59	0.0039 (ppm)	282.3896
5/7/2019 18:46:32	R1902784-013	Fe (234.350 nm)	2.64	0.0202 (ppm)	266.7722
5/7/2019 18:46:32	R1902784-013	K (766.491 nm)	5.68	0.1046 (ppm)	370.1050
5/7/2019 18:46:32	R1902784-013	Mg (279.078 nm)	9.50	0.0080 (ppm)	41.4726
5/7/2019 18:46:32	R1902784-013	Mn (257.610 nm)	0.69	0.0021 (ppm)	724.1370
5/7/2019 18:46:32	R1902784-013	Mo (202.032 nm)	6.86	0.0056 (ppm)	39.9844
5/7/2019 18:46:32	R1902784-013	Na (588.995 nm)	1.97	0.0935 (ppm)	-2678.4506

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:46:32	R1902784-013	Ni (230.299 nm)	5.96	0.0050 (ppm)	36.8560
5/7/2019 18:46:32	R1902784-013	Pb (220.353 nm)	22.08	0.0049 (ppm)	17.3877
5/7/2019 18:46:32	R1902784-013	Sb (217.582 nm)	3.24	0.0113 (ppm)	12.8741
5/7/2019 18:46:32	R1902784-013	Se (196.026 nm)	18.74	0.0109 (ppm)	8.9434
5/7/2019 18:46:32	R1902784-013	Sn (189.925 nm)	1.11	0.0411 (ppm)	27.9066
5/7/2019 18:46:32	R1902784-013	Sr (216.596 nm)	> 100.00	-0.0001 u (ppm)	0.2579
5/7/2019 18:46:32	R1902784-013	Ti (336.122 nm)	38.99	0.0002 (ppm)	105.3995
5/7/2019 18:46:32	R1902784-013	Tl (351.923 nm)	24.13	0.0106 (ppm)	31.8073
5/7/2019 18:46:32	R1902784-013	V (292.401 nm)	42.19	0.0008 (ppm)	73.5705
5/7/2019 18:46:32	R1902784-013	Y (360.074 nm)	0.65	1.01 (Ratio)	987531.94
5/7/2019 18:46:32	R1902784-013	Y_R (360.074 nm)	0.65	1.01 (Ratio)	987531.94
5/7/2019 18:46:32	R1902784-013	Zn (213.857 nm)	1.40	0.0041 (ppm)	130.0653
5/7/2019 18:49:52	R1903917-001	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-138.1568
5/7/2019 18:49:52	R1903917-001	Al (394.401 nm)	0.35	0.0751 (ppm)	1583.3450
5/7/2019 18:49:52	R1903917-001	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	-0.2396
5/7/2019 18:49:52	R1903917-001	B (249.772 nm)	1.25	0.0080 (ppm)	438.0360
5/7/2019 18:49:52	R1903917-001	Ba (230.424 nm)	0.54	0.0349 (ppm)	1673.7744
5/7/2019 18:49:52	R1903917-001	Be (313.107 nm)	11.41	0.0001 (ppm)	-144.3464
5/7/2019 18:49:52	R1903917-001	Ca (227.547 nm)	0.11	48.0800 (ppm)	2946.1285
5/7/2019 18:49:52	R1903917-001	Cd (214.439 nm)	8.08	0.0013 (ppm)	30.6520
5/7/2019 18:49:52	R1903917-001	Co (230.786 nm)	11.96	0.0011 (ppm)	11.7640
5/7/2019 18:49:52	R1903917-001	Cr (267.716 nm)	1.23	-0.0023 u (ppm)	-75.0980
5/7/2019 18:49:52	R1903917-001	Cu (327.395 nm)	4.25	0.0006 (ppm)	68.7455
5/7/2019 18:49:52	R1903917-001	Fe (234.350 nm)	0.30	0.1112 (ppm)	1248.2052
5/7/2019 18:49:52	R1903917-001	K (766.491 nm)	0.30	1.7738 (ppm)	6436.3975
5/7/2019 18:49:52	R1903917-001	Mg (279.078 nm)	0.07	11.8307 (ppm)	26601.2566
5/7/2019 18:49:52	R1903917-001	Mn (257.610 nm)	0.13	7.4417 o (ppm)	2332266.3423
5/7/2019 18:49:52	R1903917-001	Mo (202.032 nm)	32.11	-0.0009 u (ppm)	3.0996
5/7/2019 18:49:52	R1903917-001	Na (588.995 nm)	0.25	5.8339 (ppm)	276652.8695
5/7/2019 18:49:52	R1903917-001	Ni (230.299 nm)	2.23	0.0136 (ppm)	122.9576
5/7/2019 18:49:52	R1903917-001	Pb (220.353 nm)	> 100.00	0.0003 u (ppm)	4.6518
5/7/2019 18:49:52	R1903917-001	Sb (217.582 nm)	> 100.00	0.0015 u (ppm)	1.5769
5/7/2019 18:49:52	R1903917-001	Se (196.026 nm)	> 100.00	-0.0007 u (ppm)	3.3036
5/7/2019 18:49:52	R1903917-001	Sn (189.925 nm)	26.89	-0.0011 u (ppm)	-1.5895
5/7/2019 18:49:52	R1903917-001	Sr (216.596 nm)	0.11	0.2070 (ppm)	2086.0583
5/7/2019 18:49:52	R1903917-001	Ti (336.122 nm)	5.78	0.0026 (ppm)	700.5044
5/7/2019 18:49:52	R1903917-001	Tl (351.923 nm)	> 100.00	0.0004 u (ppm)	2.3389
5/7/2019 18:49:52	R1903917-001	V (292.401 nm)	52.10	-0.0004 u (ppm)	37.8958
5/7/2019 18:49:52	R1903917-001	Y (360.074 nm)	0.46	1.00 (Ratio)	969667.70
5/7/2019 18:49:52	R1903917-001	Y_R (360.074 nm)	0.46	1.00 (Ratio)	969667.70
5/7/2019 18:49:52	R1903917-001	Zn (213.857 nm)	0.14	0.0161 (ppm)	534.5104
5/7/2019 18:53:12	R1903917-002	Ag (328.068 nm)	26.19	-0.0001 u (ppm)	-137.9446
5/7/2019 18:53:12	R1903917-002	Al (394.401 nm)	0.25	1.2788 (ppm)	22174.9490
5/7/2019 18:53:12	R1903917-002	As (188.980 nm)	> 100.00	-0.0010 u (ppm)	-0.8149
5/7/2019 18:53:12	R1903917-002	B (249.772 nm)	0.09	0.1977 (ppm)	7869.8594
5/7/2019 18:53:12	R1903917-002	Ba (230.424 nm)	0.41	0.0943 (ppm)	4446.7742
5/7/2019 18:53:12	R1903917-002	Be (313.107 nm)	1.79	0.0000 (ppm)	-263.3282
5/7/2019 18:53:12	R1903917-002	Ca (227.547 nm)	0.12	167.1970 o (ppm)	10242.8688
5/7/2019 18:53:12	R1903917-002	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.3100
5/7/2019 18:53:12	R1903917-002	Co (230.786 nm)	25.77	0.0014 (ppm)	15.7000
5/7/2019 18:53:12	R1903917-002	Cr (267.716 nm)	1.49	0.0024 (ppm)	114.1951

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:53:12	R1903917-002	Cu (327.395 nm)	2.37	0.0022 (ppm)	171.1829
5/7/2019 18:53:12	R1903917-002	Fe (234.350 nm)	0.17	2.7250 (ppm)	29456.1720
5/7/2019 18:53:12	R1903917-002	K (766.491 nm)	0.24	17.5194 (ppm)	63662.4398
5/7/2019 18:53:12	R1903917-002	Mg (279.078 nm)	0.16	31.2960 (ppm)	70330.3901
5/7/2019 18:53:12	R1903917-002	Mn (257.610 nm)	0.26	0.1019 (ppm)	31995.5979
5/7/2019 18:53:12	R1903917-002	Mo (202.032 nm)	11.19	-0.0010 u (ppm)	2.6100
5/7/2019 18:53:12	R1903917-002	Na (588.995 nm)	0.16	16.9718 (ppm)	818629.6126
5/7/2019 18:53:12	R1903917-002	Ni (230.299 nm)	8.52	-0.0052 u (ppm)	-63.6491
5/7/2019 18:53:12	R1903917-002	Pb (220.353 nm)	72.31	-0.0020 u (ppm)	-1.7551
5/7/2019 18:53:12	R1903917-002	Sb (217.582 nm)	34.95	0.0033 (ppm)	3.6005
5/7/2019 18:53:12	R1903917-002	Se (196.026 nm)	40.49	-0.0104 u (ppm)	-1.3567
5/7/2019 18:53:12	R1903917-002	Sn (189.925 nm)	> 100.00	0.0010 u (ppm)	-0.1663
5/7/2019 18:53:12	R1903917-002	Sr (216.596 nm)	0.36	0.5256 (ppm)	5295.3203
5/7/2019 18:53:12	R1903917-002	Ti (336.122 nm)	0.46	0.0655 (ppm)	16256.3469
5/7/2019 18:53:12	R1903917-002	Tl (351.923 nm)	43.03	0.0065 (ppm)	19.9450
5/7/2019 18:53:12	R1903917-002	V (292.401 nm)	10.21	0.0014 (ppm)	92.6248
5/7/2019 18:53:12	R1903917-002	Y (360.074 nm)	0.43	0.95 (Ratio)	929110.74
5/7/2019 18:53:12	R1903917-002	Y_R (360.074 nm)	0.43	0.95 (Ratio)	929110.74
5/7/2019 18:53:12	R1903917-002	Zn (213.857 nm)	0.80	0.0288 (ppm)	963.5123
5/7/2019 18:56:32	R1903917-003	Ag (328.068 nm)	88.61	-0.0001 u (ppm)	-139.4485
5/7/2019 18:56:32	R1903917-003	Al (394.401 nm)	0.36	0.2805 (ppm)	5096.5017
5/7/2019 18:56:32	R1903917-003	As (188.980 nm)	90.09	-0.0010 u (ppm)	-0.8214
5/7/2019 18:56:32	R1903917-003	B (249.772 nm)	0.46	0.0798 (ppm)	3249.1028
5/7/2019 18:56:32	R1903917-003	Ba (230.424 nm)	0.31	0.0873 (ppm)	4121.2669
5/7/2019 18:56:32	R1903917-003	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-307.0056
5/7/2019 18:56:32	R1903917-003	Ce (227.547 nm)	0.28	239.7015 o (ppm)	14684.2673
5/7/2019 18:56:32	R1903917-003	Cd (214.439 nm)	29.01	-0.0002 u (ppm)	0.5240
5/7/2019 18:56:32	R1903917-003	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.5437
5/7/2019 18:56:32	R1903917-003	Cr (267.716 nm)	1.21	0.0010 (ppm)	59.5571
5/7/2019 18:56:32	R1903917-003	Cu (327.395 nm)	4.05	0.0025 (ppm)	192.5550
5/7/2019 18:56:32	R1903917-003	Fe (234.350 nm)	0.09	1.4450 (ppm)	15642.6720
5/7/2019 18:56:32	R1903917-003	K (766.491 nm)	0.64	3.5463 (ppm)	12878.5911
5/7/2019 18:56:32	R1903917-003	Mg (279.078 nm)	0.08	63.5776 o (ppm)	142851.4610
5/7/2019 18:56:32	R1903917-003	Mn (257.610 nm)	0.19	0.1057 (ppm)	33192.6541
5/7/2019 18:56:32	R1903917-003	Mo (202.032 nm)	14.65	0.0047 (ppm)	34.9511
5/7/2019 18:56:32	R1903917-003	Na (588.995 nm)	0.53	15.6195 (ppm)	752826.9403
5/7/2019 18:56:32	R1903917-003	Ni (230.299 nm)	36.69	-0.0017 u (ppm)	-28.7832
5/7/2019 18:56:32	R1903917-003	Pb (220.353 nm)	68.90	-0.0019 u (ppm)	-1.4402
5/7/2019 18:56:32	R1903917-003	Sb (217.582 nm)	> 100.00	0.0002 u (ppm)	0.0603
5/7/2019 18:56:32	R1903917-003	Se (196.026 nm)	79.08	-0.0088 u (ppm)	-0.6157
5/7/2019 18:56:32	R1903917-003	Sn (189.925 nm)	> 100.00	0.0007 u (ppm)	-0.3333
5/7/2019 18:56:32	R1903917-003	Sr (216.596 nm)	0.37	0.7817 (ppm)	7875.2702
5/7/2019 18:56:32	R1903917-003	Ti (336.122 nm)	1.57	0.0124 (ppm)	3108.0102
5/7/2019 18:56:32	R1903917-003	Tl (351.923 nm)	31.98	0.0074 (ppm)	22.6568
5/7/2019 18:56:32	R1903917-003	V (292.401 nm)	69.47	-0.0004 u (ppm)	37.0498
5/7/2019 18:56:32	R1903917-003	Y (360.074 nm)	0.51	0.94 (Ratio)	915337.29
5/7/2019 18:56:32	R1903917-003	Y_R (360.074 nm)	0.51	0.94 (Ratio)	915337.29
5/7/2019 18:56:32	R1903917-003	Zn (213.857 nm)	1.57	0.0021 (ppm)	63.8960
5/7/2019 18:59:51	R1903917-004	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-132.9223
5/7/2019 18:59:51	R1903917-004	Al (394.401 nm)	0.30	0.4239 (ppm)	7549.8405
5/7/2019 18:59:51	R1903917-004	As (188.980 nm)	52.02	0.0069 (ppm)	4.2315

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:59:51	R1903917-004	B (249.772 nm)	0.41	0.1387 (ppm)	5561.0302
5/7/2019 18:59:51	R1903917-004	Ba (230.424 nm)	0.45	0.0925 (ppm)	4360.2090
5/7/2019 18:59:51	R1903917-004	Be (313.107 nm)	23.00	0.0000 (ppm)	-293.8723
5/7/2019 18:59:51	R1903917-004	Ca (227.547 nm)	0.04	162.9138 o (ppm)	9980.4883
5/7/2019 18:59:51	R1903917-004	Cd (214.439 nm)	50.57	0.0002 (ppm)	7.8949
5/7/2019 18:59:51	R1903917-004	Co (230.786 nm)	13.77	0.0028 (ppm)	32.9610
5/7/2019 18:59:51	R1903917-004	Cr (267.716 nm)	9.17	0.0020 (ppm)	97.9040
5/7/2019 18:59:51	R1903917-004	Cu (327.395 nm)	8.25	0.0014 (ppm)	115.9880
5/7/2019 18:59:51	R1903917-004	Fe (234.350 nm)	0.41	12.0276 o (ppm)	129847.9013
5/7/2019 18:59:51	R1903917-004	K (766.491 nm)	0.13	10.0470 (ppm)	36504.5168
5/7/2019 18:59:51	R1903917-004	Mg (279.078 nm)	0.33	38.5613 (ppm)	86651.9905
5/7/2019 18:59:51	R1903917-004	Mn (257.610 nm)	0.43	1.3562 (ppm)	425097.2099
5/7/2019 18:59:51	R1903917-004	Mo (202.032 nm)	58.86	0.0005 (ppm)	11.2962
5/7/2019 18:59:51	R1903917-004	Na (588.995 nm)	0.05	19.9210 (ppm)	962138.4822
5/7/2019 18:59:51	R1903917-004	Ni (230.299 nm)	9.63	-0.0021 u (ppm)	-32.9968
5/7/2019 18:59:51	R1903917-004	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	2.9042
5/7/2019 18:59:51	R1903917-004	Sb (217.582 nm)	83.67	-0.0014 u (ppm)	-1.7738
5/7/2019 18:59:51	R1903917-004	Se (196.026 nm)	19.35	-0.0121 u (ppm)	-2.1935
5/7/2019 18:59:51	R1903917-004	Sn (189.925 nm)	36.60	0.0009 (ppm)	-0.2567
5/7/2019 18:59:51	R1903917-004	Sr (216.596 nm)	0.50	0.5776 (ppm)	5819.1653
5/7/2019 18:59:51	R1903917-004	Ti (336.122 nm)	2.77	0.0138 (ppm)	3454.6297
5/7/2019 18:59:51	R1903917-004	Tl (351.923 nm)	39.19	0.0057 (ppm)	17.5388
5/7/2019 18:59:51	R1903917-004	V (292.401 nm)	30.90	0.0006 (ppm)	67.8735
5/7/2019 18:59:51	R1903917-004	Y (360.074 nm)	0.20	0.85 (Ratio)	925344.23
5/7/2019 18:59:51	R1903917-004	Y_R (360.074 nm)	0.20	0.85 (Ratio)	925344.23
5/7/2019 18:59:51	R1903917-004	Zn (213.857 nm)	0.32	0.0535 (ppm)	1796.5299
5/7/2019 19:03:11	R1903917-004S	Ag (328.068 nm)	0.32	0.0512 (ppm)	3696.3535
5/7/2019 19:03:11	R1903917-004S	Al (394.401 nm)	0.15	2.4762 (ppm)	42657.1276
5/7/2019 19:03:11	R1903917-004S	As (188.980 nm)	10.44	0.0506 (ppm)	32.4114
5/7/2019 19:03:11	R1903917-004S	B (249.772 nm)	0.23	1.1960 (ppm)	46997.1643
5/7/2019 19:03:11	R1903917-004S	Ba (230.424 nm)	0.42	2.1722 (ppm)	101457.1624
5/7/2019 19:03:11	R1903917-004S	Be (313.107 nm)	0.29	0.0506 (ppm)	67230.8195
5/7/2019 19:03:11	R1903917-004S	Ca (227.547 nm)	0.13	164.5005 o (ppm)	10077.6862
5/7/2019 19:03:11	R1903917-004S	Cd (214.439 nm)	0.68	0.0506 (ppm)	1027.0814
5/7/2019 19:03:11	R1903917-004S	Co (230.786 nm)	0.42	0.5114 (ppm)	6421.2238
5/7/2019 19:03:11	R1903917-004S	Cr (267.716 nm)	0.56	0.2066 (ppm)	8436.8034
5/7/2019 19:03:11	R1903917-004S	Cu (327.395 nm)	0.09	0.2534 (ppm)	16869.0241
5/7/2019 19:03:11	R1903917-004S	Fe (234.350 nm)	0.45	12.9251 o (ppm)	139533.2963
5/7/2019 19:03:11	R1903917-004S	K (766.491 nm)	0.10	30.8905 (ppm)	112258.1603
5/7/2019 19:03:11	R1903917-004S	Mg (279.078 nm)	0.39	40.2481 (ppm)	80441.3792
5/7/2019 19:03:11	R1903917-004S	Mn (257.610 nm)	0.31	1.8476 o (ppm)	579081.7347
5/7/2019 19:03:11	R1903917-004S	Mo (202.032 nm)	0.48	0.5053 (ppm)	2859.9997
5/7/2019 19:03:11	R1903917-004S	Na (588.995 nm)	0.14	39.8292 (ppm)	1930880.0334
5/7/2019 19:03:11	R1903917-004S	Ni (230.299 nm)	0.39	0.4921 (ppm)	4869.0537
5/7/2019 19:03:11	R1903917-004S	Pb (220.353 nm)	0.42	0.5107 (ppm)	1430.2089
5/7/2019 19:03:11	R1903917-004S	Sb (217.582 nm)	1.09	0.4924 (ppm)	571.3961
5/7/2019 19:03:11	R1903917-004S	Se (196.026 nm)	0.26	1.0623 (ppm)	518.1874
5/7/2019 19:03:11	R1903917-004S	Sn (189.925 nm)	0.31	5.0527 (ppm)	3537.4649
5/7/2019 19:03:11	R1903917-004S	Sr (216.596 nm)	0.56	2.5900 (ppm)	26089.3449
5/7/2019 19:03:11	R1903917-004S	Ti (336.122 nm)	0.40	0.5226 (ppm)	129298.9347
5/7/2019 19:03:11	R1903917-004S	Tl (351.923 nm)	0.23	2.0311 (ppm)	5833.0802

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:03:11	R1903917-004S	V (292.401 nm)	0.27	0.5062 (ppm)	16058.2283
5/7/2019 19:03:11	R1903917-004S	Y (360.074 nm)	0.15	0.94 (Ratio)	916868.12
5/7/2019 19:03:11	R1903917-004S	Y_R (360.074 nm)	0.15	0.94 (Ratio)	916868.12
5/7/2019 19:03:11	R1903917-004S	Zn (213.857 nm)	0.51	0.5248 (ppm)	17685.1227
5/7/2019 19:06:31	R1903917-004SD	Ag (328.068 nm)	0.14	0.0516 (ppm)	3727.4297
5/7/2019 19:06:31	R1903917-004SD	Al (394.401 nm)	0.15	2.4863 (ppm)	42829.3082
5/7/2019 19:06:31	R1903917-004SD	As (188.980 nm)	4.79	0.0481 (ppm)	30.8090
5/7/2019 19:06:31	R1903917-004SD	B (249.772 nm)	0.15	1.2058 (ppm)	47382.5098
5/7/2019 19:06:31	R1903917-004SD	Ba (230.424 nm)	0.32	2.1647 (ppm)	101106.8985
5/7/2019 19:06:31	R1903917-004SD	Be (313.107 nm)	0.15	0.0509 (ppm)	67580.3452
5/7/2019 19:06:31	R1903917-004SD	Ca (227.547 nm)	0.12	167.5341 o (ppm)	10263.5147
5/7/2019 19:06:31	R1903917-004SD	Cd (214.439 nm)	0.21	0.0509 (ppm)	1032.0902
5/7/2019 19:06:31	R1903917-004SD	Co (230.786 nm)	0.34	0.5136 (ppm)	6448.4439
5/7/2019 19:06:31	R1903917-004SD	Cr (267.716 nm)	0.42	0.2076 (ppm)	8478.4100
5/7/2019 19:06:31	R1903917-004SD	Cu (327.395 nm)	0.18	0.2546 (ppm)	16952.9819
5/7/2019 19:06:31	R1903917-004SD	Fe (234.350 nm)	0.34	13.1355 o (ppm)	141804.8789
5/7/2019 19:06:31	R1903917-004SD	K (766.491 nm)	0.24	31.0430 (ppm)	112812.4983
5/7/2019 19:06:31	R1903917-004SD	Mg (279.078 nm)	0.41	40.9232 (ppm)	91958.0020
5/7/2019 19:06:31	R1903917-004SD	Mn (257.610 nm)	0.18	1.8714 o (ppm)	586545.2621
5/7/2019 19:06:31	R1903917-004SD	Mo (202.032 nm)	0.37	0.5097 (ppm)	2884.8278
5/7/2019 19:06:31	R1903917-004SD	Na (588.995 nm)	0.63	40.2170 (ppm)	1949753.3904
5/7/2019 19:06:31	R1903917-004SD	Ni (230.299 nm)	0.49	0.4963 (ppm)	4910.9766
5/7/2019 19:06:31	R1903917-004SD	Pb (220.353 nm)	0.48	0.5139 (ppm)	1439.1840
5/7/2019 19:06:31	R1903917-004SD	Sb (217.582 nm)	0.27	0.4922 (ppm)	571.0676
5/7/2019 19:06:31	R1903917-004SD	Se (196.026 nm)	0.52	1.0652 (ppm)	519.5938
5/7/2019 19:06:31	R1903917-004SD	Sn (189.925 nm)	0.34	5.1160 (ppm)	3581.8130
5/7/2019 19:06:31	R1903917-004SD	Sr (216.596 nm)	0.28	2.6122 (ppm)	26313.0286
5/7/2019 19:06:31	R1903917-004SD	Ti (336.122 nm)	0.30	0.5253 (ppm)	129982.9585
5/7/2019 19:06:31	R1903917-004SD	Tl (351.923 nm)	0.45	2.0496 (ppm)	5886.2458
5/7/2019 19:06:31	R1903917-004SD	V (292.401 nm)	0.16	0.5091 (ppm)	16150.1874
5/7/2019 19:06:31	R1903917-004SD	Y (360.074 nm)	0.27	0.94 (Ratio)	914605.03
5/7/2019 19:06:31	R1903917-004SD	Y_R (360.074 nm)	0.27	0.94 (Ratio)	914605.03
5/7/2019 19:06:31	R1903917-004SD	Zn (213.857 nm)	0.36	0.5493 (ppm)	18510.1534
5/7/2019 19:09:50	R1903917-004A	Ag (328.068 nm)	0.32	0.0491 (ppm)	3539.6382
5/7/2019 19:09:50	R1903917-004A	Al (394.401 nm)	0.17	2.3677 (ppm)	40800.9846
5/7/2019 19:09:50	R1903917-004A	As (188.980 nm)	6.38	0.0445 (ppm)	28.4760
5/7/2019 19:09:50	R1903917-004A	B (249.772 nm)	0.11	1.1628 (ppm)	45697.5656
5/7/2019 19:09:50	R1903917-004A	Ba (230.424 nm)	0.52	2.0714 (ppm)	96755.0872
5/7/2019 19:09:50	R1903917-004A	Be (313.107 nm)	0.08	0.0486 (ppm)	64463.4169
5/7/2019 19:09:50	R1903917-004A	Ca (227.547 nm)	0.39	161.1730 o (ppm)	9873.8548
5/7/2019 19:09:50	R1903917-004A	Cd (214.439 nm)	0.69	0.0485 (ppm)	983.9073
5/7/2019 19:09:50	R1903917-004A	Co (230.786 nm)	0.16	0.4901 (ppm)	6153.8427
5/7/2019 19:09:50	R1903917-004A	Cr (267.716 nm)	0.01	0.1982 (ppm)	8095.9446
5/7/2019 19:09:50	R1903917-004A	Cu (327.395 nm)	0.24	0.2417 (ppm)	16095.0307
5/7/2019 19:09:50	R1903917-004A	Fe (234.350 nm)	0.11	12.6520 o (ppm)	136586.1133
5/7/2019 19:09:50	R1903917-004A	K (766.491 nm)	0.44	29.7749 (ppm)	108203.6547
5/7/2019 19:09:50	R1903917-004A	Mg (279.078 nm)	0.04	39.4765 (ppm)	88707.8706
5/7/2019 19:09:50	R1903917-004A	Mn (257.610 nm)	0.10	1.8024 o (ppm)	564919.2479
5/7/2019 19:09:50	R1903917-004A	Mo (202.032 nm)	0.26	0.4936 (ppm)	2793.8003
5/7/2019 19:09:50	R1903917-004A	Na (588.995 nm)	0.67	38.5318 (ppm)	1867750.2749
5/7/2019 19:09:50	R1903917-004A	Ni (230.299 nm)	0.16	0.4730 (ppm)	4679.5663

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:09:50	R1903917-004A	Pb (220.353 nm)	0.09	0.4923 (ppm)	1378.8398
5/7/2019 19:09:50	R1903917-004A	Sb (217.582 nm)	0.43	0.4836 (ppm)	561.1195
5/7/2019 19:09:50	R1903917-004A	Se (196.026 nm)	0.96	1.1129 u (ppm)	542.7008
5/7/2019 19:09:50	R1903917-004A	Sn (189.925 nm)	0.48	4.9636 (ppm)	3475.0853
5/7/2019 19:09:50	R1903917-004A	Sr (216.596 nm)	0.52	2.6786 (ppm)	26981.7740
5/7/2019 19:09:50	R1903917-004A	Ti (336.122 nm)	0.15	0.5120 (ppm)	126680.9977
5/7/2019 19:09:50	R1903917-004A	Tl (351.923 nm)	0.15	1.9845 (ppm)	5699.1878
5/7/2019 19:09:50	R1903917-004A	V (292.401 nm)	0.09	0.4850 (ppm)	15388.0618
5/7/2019 19:09:50	R1903917-004A	Y (360.074 nm)	0.52	0.94 (Ratio)	916320.45
5/7/2019 19:09:50	R1903917-004A	Y_R (360.074 nm)	0.52	0.94 (Ratio)	916320.45
5/7/2019 19:09:50	R1903917-004A	Zn (213.857 nm)	0.13	0.5178 (ppm)	17447.0389
5/7/2019 19:13:10	Continuing Calibration Verification	Ag (328.068 nm)	0.24	0.4924 (ppm)	36662.3030
5/7/2019 19:13:10	Continuing Calibration Verification	Al (394.401 nm)	0.43	9.6083 (ppm)	164659.5480
5/7/2019 19:13:10	Continuing Calibration Verification	As (188.980 nm)	0.46	0.9863 (ppm)	635.0060
5/7/2019 19:13:10	Continuing Calibration Verification	B (249.772 nm)	0.36	2.4552 (ppm)	96351.2768
5/7/2019 19:13:10	Continuing Calibration Verification	Ba (230.424 nm)	0.31	10.3606 (ppm)	483756.8109
5/7/2019 19:13:10	Continuing Calibration Verification	Be (313.107 nm)	0.17	0.2534 (ppm)	337648.8080
5/7/2019 19:13:10	Continuing Calibration Verification	Ca (227.547 nm)	0.36	24.1116 (ppm)	1477.9032
5/7/2019 19:13:10	Continuing Calibration Verification	Cd (214.439 nm)	0.43	0.5026 (ppm)	10153.0431
5/7/2019 19:13:10	Continuing Calibration Verification	Co (230.786 nm)	0.17	2.6245 (ppm)	32964.3118
5/7/2019 19:13:10	Continuing Calibration Verification	Cr (267.716 nm)	0.29	0.5091 (ppm)	20763.1366
5/7/2019 19:13:10	Continuing Calibration Verification	Cu (327.395 nm)	0.45	1.2052 (ppm)	80147.2086
5/7/2019 19:13:10	Continuing Calibration Verification	Fe (234.350 nm)	0.25	4.9154 (ppm)	53094.8390
5/7/2019 19:13:10	Continuing Calibration Verification	K (766.491 nm)	0.56	24.2138 (ppm)	87992.3636
5/7/2019 19:13:10	Continuing Calibration Verification	Mg (279.078 nm)	0.27	25.0068 (ppm)	56201.6492
5/7/2019 19:13:10	Continuing Calibration Verification	Mn (257.610 nm)	0.34	0.7568 (ppm)	237252.0666
5/7/2019 19:13:10	Continuing Calibration Verification	Mo (202.032 nm)	0.39	2.4931 (ppm)	14077.5083
5/7/2019 19:13:10	Continuing Calibration Verification	Na (588.995 nm)	0.73	24.5419 (ppm)	1186994.7475
5/7/2019 19:13:10	Continuing Calibration Verification	Ni (230.299 nm)	0.39	2.0108 (ppm)	19932.9861
5/7/2019 19:13:10	Continuing Calibration Verification	Pb (220.353 nm)	0.36	0.5088 (ppm)	1424.7680
5/7/2019 19:13:10	Continuing Calibration Verification	Sb (217.582 nm)	0.50	4.8171 (ppm)	5591.2928
5/7/2019 19:13:10	Continuing Calibration Verification	Se (196.026 nm)	0.08	0.4884 (ppm)	240.2034
5/7/2019 19:13:10	Continuing Calibration Verification	Sn (189.925 nm)	0.35	5.0429 (ppm)	3530.5990
5/7/2019 19:13:10	Continuing Calibration Verification	Sr (216.596 nm)	0.40	2.5304 (ppm)	25489.1917
5/7/2019 19:13:10	Continuing Calibration Verification	Ti (336.122 nm)	0.08	2.5200 (ppm)	623329.2790
5/7/2019 19:13:10	Continuing Calibration Verification	Tl (351.923 nm)	0.34	1.0073 (ppm)	2893.4389
5/7/2019 19:13:10	Continuing Calibration Verification	V (292.401 nm)	0.34	2.5499 (ppm)	80685.0254
5/7/2019 19:13:10	Continuing Calibration Verification	Y (360.074 nm)	0.57	0.96 (Ratio)	932859.19
5/7/2019 19:13:10	Continuing Calibration Verification	Y_R (360.074 nm)	0.57	0.96 (Ratio)	932859.19
5/7/2019 19:13:10	Continuing Calibration Verification	Zn (213.857 nm)	0.34	0.9822 (ppm)	33101.4811
5/7/2019 19:16:29	Continuing Calibration Blank	Ag (328.068 nm)	91.40	-0.0001 u (ppm)	-138.9610
5/7/2019 19:16:29	Continuing Calibration Blank	Al (394.401 nm)	4.43	-0.0071 u (ppm)	178.3422
5/7/2019 19:16:29	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0016 u (ppm)	0.8492
5/7/2019 19:16:29	Continuing Calibration Blank	B (249.772 nm)	26.17	-0.0004 u (ppm)	106.7675
5/7/2019 19:16:29	Continuing Calibration Blank	Ba (230.424 nm)	> 100.00	0.0002 u (ppm)	54.9136
5/7/2019 19:16:29	Continuing Calibration Blank	Be (313.107 nm)	> 100.00	0.0000 (ppm)	-285.9083
5/7/2019 19:16:29	Continuing Calibration Blank	Ca (227.547 nm)	26.61	0.0505 (ppm)	3.9913
5/7/2019 19:16:29	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.7331
5/7/2019 19:16:29	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.3845
5/7/2019 19:16:29	Continuing Calibration Blank	Cr (267.716 nm)	82.15	-0.0002 u (ppm)	10.4767
5/7/2019 19:16:29	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	21.1979

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:16:29	Continuing Calibration Blank	Fe (234.350 nm)	80.86	-0.0004 u (ppm)	44.4395
5/7/2019 19:16:29	Continuing Calibration Blank	K (766.491 nm)	89.01	0.0087 u (ppm)	21.5180
5/7/2019 19:16:29	Continuing Calibration Blank	Mg (279.078 nm)	34.29	-0.0039 u (ppm)	14.8716
5/7/2019 19:16:29	Continuing Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	64.4515
5/7/2019 19:16:29	Continuing Calibration Blank	Mo (202.032 nm)	25.32	0.0027 (ppm)	23.8682
5/7/2019 19:16:29	Continuing Calibration Blank	Na (588.995 nm)	5.26	-0.0177 u (ppm)	-8089.3369
5/7/2019 19:16:29	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-11.8729
5/7/2019 19:16:29	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0005 u (ppm)	2.4331
5/7/2019 19:16:29	Continuing Calibration Blank	Sb (217.582 nm)	8.29	0.0017 (ppm)	1.8045
5/7/2019 19:16:29	Continuing Calibration Blank	Se (196.026 nm)	86.85	-0.0019 u (ppm)	2.7260
5/7/2019 19:16:29	Continuing Calibration Blank	Sn (189.925 nm)	91.82	0.0014 (ppm)	0.0980
5/7/2019 19:16:29	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	1.8142
5/7/2019 19:16:29	Continuing Calibration Blank	Ti (336.122 nm)	40.85	0.0008 (ppm)	244.0335
5/7/2019 19:16:29	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0005 u (ppm)	2.6972
5/7/2019 19:16:29	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0000 u (ppm)	50.5040
5/7/2019 19:16:29	Continuing Calibration Blank	Y (360.074 nm)	0.51	1.01 (Ratio)	983355.28
5/7/2019 19:16:29	Continuing Calibration Blank	Y_R (360.074 nm)	0.51	1.01 (Ratio)	983355.28
5/7/2019 19:16:29	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-8.0310
5/7/2019 19:19:48	R1903917-004L	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-139.8481
5/7/2019 19:19:48	R1903917-004L	Al (394.401 nm)	1.50	0.0765 (ppm)	1607.5300
5/7/2019 19:19:48	R1903917-004L	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-0.4401
5/7/2019 19:19:48	R1903917-004L	B (249.772 nm)	0.44	0.0247 (ppm)	1092.8496
5/7/2019 19:19:48	R1903917-004L	Ba (230.424 nm)	0.84	0.0180 (ppm)	884.9476
5/7/2019 19:19:48	R1903917-004L	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-300.7457
5/7/2019 19:19:48	R1903917-004L	Ca (227.547 nm)	0.36	29.6762 (ppm)	1818.7694
5/7/2019 19:19:48	R1903917-004L	Cd (214.439 nm)	42.78	0.0002 (ppm)	7.6566
5/7/2019 19:19:48	R1903917-004L	Co (230.786 nm)	27.34	0.0006 (ppm)	5.0183
5/7/2019 19:19:48	R1903917-004L	Cr (267.716 nm)	87.01	0.0002 (ppm)	25.8907
5/7/2019 19:19:48	R1903917-004L	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	31.6020
5/7/2019 19:19:48	R1903917-004L	Fe (234.350 nm)	0.19	2.4133 (ppm)	26092.0225
5/7/2019 19:19:48	R1903917-004L	K (766.491 nm)	0.26	1.7685 (ppm)	6417.2835
5/7/2019 19:19:48	R1903917-004L	Mg (279.078 nm)	0.19	7.4338 (ppm)	16723.7205
5/7/2019 19:19:48	R1903917-004L	Mn (257.610 nm)	0.16	0.2716 (ppm)	85177.7798
5/7/2019 19:19:48	R1903917-004L	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	8.8178
5/7/2019 19:19:48	R1903917-004L	Na (588.995 nm)	0.34	3.7014 (ppm)	172883.5824
5/7/2019 19:19:48	R1903917-004L	Ni (230.299 nm)	> 100.00	-0.0004 u (ppm)	-15.9056
5/7/2019 19:19:48	R1903917-004L	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	4.3496
5/7/2019 19:19:48	R1903917-004L	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-0.1086
5/7/2019 19:19:48	R1903917-004L	Se (196.026 nm)	86.26	-0.0041 u (ppm)	1.6480
5/7/2019 19:19:48	R1903917-004L	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.5582
5/7/2019 19:19:48	R1903917-004L	Sr (216.596 nm)	0.61	0.1164 (ppm)	1173.3647
5/7/2019 19:19:48	R1903917-004L	Ti (336.122 nm)	4.50	0.0024 (ppm)	651.2805
5/7/2019 19:19:48	R1903917-004L	Tl (351.923 nm)	23.41	-0.0024 u (ppm)	-5.5969
5/7/2019 19:19:48	R1903917-004L	V (292.401 nm)	> 100.00	-0.0002 u (ppm)	42.4633
5/7/2019 19:19:48	R1903917-004L	Y (360.074 nm)	0.53	0.99 (Ratio)	964849.77
5/7/2019 19:19:48	R1903917-004L	Y_R (360.074 nm)	0.53	0.99 (Ratio)	964849.77
5/7/2019 19:19:48	R1903917-004L	Zn (213.857 nm)	1.52	0.0111 (ppm)	365.6991
5/7/2019 19:23:09	R1903917-005	Ag (328.068 nm)	17.89	-0.0001 u (ppm)	-139.5748
5/7/2019 19:23:09	R1903917-005	Al (394.401 nm)	0.39	0.3604 (ppm)	6463.3956
5/7/2019 19:23:09	R1903917-005	As (188.980 nm)	48.86	0.0027 (ppm)	1.5297
5/7/2019 19:23:09	R1903917-005	B (249.772 nm)	0.91	0.0124 (ppm)	609.1659

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 18:23:09	R1903917-005	Ba (230.424 nm)	0.65	0.0599 (ppm)	2841.8139
5/7/2019 18:23:09	R1903917-005	Be (313.107 nm)	25.89	0.0000 (ppm)	-278.7807
5/7/2019 18:23:09	R1903917-005	Ce (227.547 nm)	0.25	81.3209 o (ppm)	4982.3616
5/7/2019 18:23:09	R1903917-005	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.4087
5/7/2019 18:23:09	R1903917-005	Co (230.786 nm)	12.08	0.0025 (ppm)	28.9893
5/7/2019 18:23:09	R1903917-005	Cr (267.716 nm)	6.94	0.0013 (ppm)	68.6008
5/7/2019 18:23:09	R1903917-005	Cu (327.395 nm)	3.11	0.0069 (ppm)	487.1465
5/7/2019 18:23:09	R1903917-005	Fe (234.350 nm)	0.23	10.3893 (ppm)	112168.0324
5/7/2019 18:23:09	R1903917-005	K (766.491 nm)	0.17	2.2484 (ppm)	8161.3602
5/7/2019 18:23:09	R1903917-005	Mg (279.078 nm)	0.18	16.9299 (ppm)	38056.7028
5/7/2019 18:23:09	R1903917-005	Mn (257.610 nm)	0.44	0.0713 (ppm)	22399.5411
5/7/2019 18:23:09	R1903917-005	Mo (202.032 nm)	47.77	0.0014 (ppm)	16.0888
5/7/2019 18:23:09	R1903917-005	Na (588.995 nm)	0.31	0.9669 (ppm)	39822.0961
5/7/2019 18:23:09	R1903917-005	Ni (230.299 nm)	13.37	-0.0029 u (ppm)	-41.3825
5/7/2019 18:23:09	R1903917-005	Pb (220.353 nm)	74.08	-0.0013 u (ppm)	0.1301
5/7/2019 18:23:09	R1903917-005	Sb (217.582 nm)	> 100.00	-0.0002 u (ppm)	-0.3848
5/7/2019 18:23:09	R1903917-005	Se (196.026 nm)	31.26	-0.0061 u (ppm)	0.7217
5/7/2019 18:23:09	R1903917-005	Sn (189.925 nm)	> 100.00	-0.0007 u (ppm)	-1.3464
5/7/2019 18:23:09	R1903917-005	Sr (216.596 nm)	0.19	0.2614 (ppm)	2633.8560
5/7/2019 18:23:09	R1903917-005	Ti (336.122 nm)	1.19	0.0149 (ppm)	3735.3980
5/7/2019 18:23:09	R1903917-005	Tl (351.923 nm)	> 100.00	0.0013 u (ppm)	4.8990
5/7/2019 18:23:09	R1903917-005	V (292.401 nm)	7.28	0.0031 (ppm)	147.4044
5/7/2019 18:23:09	R1903917-005	Y (360.074 nm)	0.35	0.88 (Ratio)	957001.76
5/7/2019 18:23:09	R1903917-005	Y_R (360.074 nm)	0.35	0.88 (Ratio)	957001.76
5/7/2019 18:23:09	R1903917-005	Zn (213.857 nm)	1.16	0.0110 (ppm)	363.5292
5/7/2019 18:26:29	R1903917-006	Ag (328.068 nm)	70.13	-0.0002 u (ppm)	-142.5529
5/7/2019 18:26:29	R1903917-006	Al (394.401 nm)	1.16	0.0110 (ppm)	487.5088
5/7/2019 18:26:29	R1903917-006	As (188.980 nm)	15.51	-0.0023 u (ppm)	-1.6988
5/7/2019 18:26:29	R1903917-006	B (249.772 nm)	0.35	0.0618 (ppm)	2545.6650
5/7/2019 18:26:29	R1903917-006	Ba (230.424 nm)	0.14	0.0118 (ppm)	594.2791
5/7/2019 18:26:29	R1903917-006	Be (313.107 nm)	72.93	0.0000 u (ppm)	-313.2178
5/7/2019 18:26:29	R1903917-006	Ce (227.547 nm)	0.35	27.0689 (ppm)	1659.0570
5/7/2019 18:26:29	R1903917-006	Cd (214.439 nm)	47.29	-0.0002 u (ppm)	0.4428
5/7/2019 18:26:29	R1903917-006	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.3175
5/7/2019 18:26:29	R1903917-006	Cr (267.716 nm)	> 100.00	0.0001 u (ppm)	20.9036
5/7/2019 18:26:29	R1903917-006	Cu (327.395 nm)	11.60	0.0009 (ppm)	82.9048
5/7/2019 18:26:29	R1903917-006	Fe (234.350 nm)	0.08	0.2859 (ppm)	3133.7818
5/7/2019 18:26:29	R1903917-006	K (766.491 nm)	0.54	2.7222 (ppm)	9883.3582
5/7/2019 18:26:29	R1903917-006	Mg (279.078 nm)	0.17	6.6896 (ppm)	15051.8019
5/7/2019 18:26:29	R1903917-006	Mn (257.610 nm)	0.44	0.4305 (ppm)	134967.7725
5/7/2019 18:26:29	R1903917-006	Mo (202.032 nm)	40.19	-0.0009 u (ppm)	3.1569
5/7/2019 18:26:29	R1903917-006	Na (588.995 nm)	0.35	11.5673 (ppm)	555642.1699
5/7/2019 18:26:29	R1903917-006	Ni (230.299 nm)	18.44	-0.0022 u (ppm)	-34.3870
5/7/2019 18:26:29	R1903917-006	Pb (220.353 nm)	74.82	-0.0015 u (ppm)	-0.3343
5/7/2019 18:26:29	R1903917-006	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	0.3291
5/7/2019 18:26:29	R1903917-006	Se (196.026 nm)	50.89	-0.0057 u (ppm)	0.8903
5/7/2019 18:26:29	R1903917-006	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0377
5/7/2019 18:26:29	R1903917-006	Sr (216.596 nm)	1.02	0.1410 (ppm)	1421.6470
5/7/2019 18:26:29	R1903917-006	Ti (336.122 nm)	56.67	0.0001 (ppm)	75.8314
5/7/2019 18:26:29	R1903917-006	Tl (351.923 nm)	> 100.00	-0.0010 u (ppm)	-1.5235
5/7/2019 18:26:29	R1903917-006	V (292.401 nm)	48.94	-0.0006 u (ppm)	31.5733

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:26:29	R1903917-006	Y (360.074 nm)	0.27	0.99 (Ratio)	968071.70
5/7/2019 19:26:29	R1903917-006	Y_R (360.074 nm)	0.27	0.99 (Ratio)	968071.70
5/7/2019 19:26:29	R1903917-006	Zn (213.857 nm)	8.22	0.0009 (ppm)	22.7749
5/7/2019 19:29:48	R1903917-007	Ag (328.068 nm)	28.20	-0.0001 u (ppm)	-140.6512
5/7/2019 19:29:48	R1903917-007	Al (394.401 nm)	1.96	0.0371 (ppm)	933.0417
5/7/2019 19:29:48	R1903917-007	As (188.980 nm)	> 100.00	-0.0011 u (ppm)	-0.8275
5/7/2019 19:29:48	R1903917-007	B (249.772 nm)	0.59	0.0236 (ppm)	1048.6738
5/7/2019 19:29:48	R1903917-007	Ba (230.424 nm)	0.13	0.0368 (ppm)	1761.5038
5/7/2019 19:29:48	R1903917-007	Be (313.107 nm)	70.21	0.0000 u (ppm)	-313.3420
5/7/2019 19:29:48	R1903917-007	Ca (227.547 nm)	0.14	19.8795 (ppm)	1218.6561
5/7/2019 19:29:48	R1903917-007	Cd (214.439 nm)	19.68	0.0005 (ppm)	15.4140
5/7/2019 19:29:48	R1903917-007	Co (230.786 nm)	22.12	0.0010 (ppm)	10.2883
5/7/2019 19:29:48	R1903917-007	Cr (267.716 nm)	3.89	-0.0010 u (ppm)	-25.1424
5/7/2019 19:29:48	R1903917-007	Cu (327.395 nm)	4.94	0.0009 (ppm)	83.1234
5/7/2019 19:29:48	R1903917-007	Fe (234.350 nm)	0.63	0.0764 (ppm)	872.5107
5/7/2019 19:29:48	R1903917-007	K (766.491 nm)	0.17	5.5186 (ppm)	20046.5910
5/7/2019 19:29:48	R1903917-007	Mg (279.078 nm)	0.13	5.6967 (ppm)	12821.3078
5/7/2019 19:29:48	R1903917-007	Mn (257.610 nm)	0.07	4.1542 u (ppm)	1301985.7870
5/7/2019 19:29:48	R1903917-007	Mo (202.032 nm)	14.20	-0.0011 u (ppm)	2.4159
5/7/2019 19:29:48	R1903917-007	Na (588.895 nm)	0.17	1.7146 (ppm)	76206.4626
5/7/2019 19:29:48	R1903917-007	Ni (230.299 nm)	3.70	-0.0043 u (ppm)	-55.2189
5/7/2019 19:29:48	R1903917-007	Pb (220.353 nm)	48.12	-0.0007 u (ppm)	1.8080
5/7/2019 19:29:48	R1903917-007	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	0.6456
5/7/2019 19:29:48	R1903917-007	Se (196.026 nm)	> 100.00	-0.0007 u (ppm)	3.2993
5/7/2019 19:29:48	R1903917-007	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.8079
5/7/2019 19:29:48	R1903917-007	Sr (216.596 nm)	0.82	0.1085 (ppm)	1093.8210
5/7/2019 19:29:48	R1903917-007	Tl (336.122 nm)	1.20	0.0019 (ppm)	526.5773
5/7/2019 19:29:48	R1903917-007	Tl (351.823 nm)	> 100.00	-0.0017 u (ppm)	-3.5298
5/7/2019 19:29:48	R1903917-007	V (292.401 nm)	23.99	-0.0003 u (ppm)	41.1163
5/7/2019 19:29:48	R1903917-007	Y (360.074 nm)	0.33	1.00 (Ratio)	977941.77
5/7/2019 19:29:48	R1903917-007	Y_R (360.074 nm)	0.33	1.00 (Ratio)	977941.77
5/7/2019 19:29:48	R1903917-007	Zn (213.857 nm)	0.47	0.0123 (ppm)	406.1794
5/7/2019 19:33:07	R1903917-008	Ag (328.068 nm)	28.10	-0.0002 u (ppm)	-143.0018
5/7/2019 19:33:07	R1903917-008	Al (394.401 nm)	0.24	0.3449 (ppm)	6199.1555
5/7/2019 19:33:07	R1903917-008	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-0.5352
5/7/2019 19:33:07	R1903917-008	B (249.772 nm)	0.95	0.0166 (ppm)	775.1133
5/7/2019 19:33:07	R1903917-008	Ba (230.424 nm)	1.95	0.0080 (ppm)	418.6474
5/7/2019 19:33:07	R1903917-008	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-292.6668
5/7/2019 19:33:07	R1903917-008	Ca (227.547 nm)	0.05	9.3447 (ppm)	573.3269
5/7/2019 19:33:07	R1903917-008	Cd (214.439 nm)	11.22	0.0010 (ppm)	24.3291
5/7/2019 19:33:07	R1903917-008	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.2048
5/7/2019 19:33:07	R1903917-008	Cr (267.716 nm)	2.59	0.0011 (ppm)	62.7188
5/7/2019 19:33:07	R1903917-008	Cu (327.395 nm)	6.12	0.0018 (ppm)	143.9610
5/7/2019 19:33:07	R1903917-008	Fe (234.350 nm)	0.23	0.3942 (ppm)	4302.9161
5/7/2019 19:33:07	R1903917-008	K (766.491 nm)	0.10	1.3495 (ppm)	4894.5141
5/7/2019 19:33:07	R1903917-008	Mg (279.078 nm)	0.16	2.1338 (ppm)	4817.1510
5/7/2019 19:33:07	R1903917-008	Mn (257.610 nm)	2.67	0.0061 (ppm)	1968.4100
5/7/2019 19:33:07	R1903917-008	Mo (202.032 nm)	26.19	-0.0011 u (ppm)	2.1271
5/7/2019 19:33:07	R1903917-008	Na (588.895 nm)	0.39	3.1476 (ppm)	145938.3424
5/7/2019 19:33:07	R1903917-008	Ni (230.299 nm)	10.98	-0.0055 u (ppm)	-67.1013
5/7/2019 19:33:07	R1903917-008	Pb (220.353 nm)	98.57	-0.0003 u (ppm)	2.8759

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:33:07	R1903917-008	Sb (217.582 nm)	50.03	-0.0010 u (ppm)	-1.3752
5/7/2019 19:33:07	R1903917-008	Se (196.026 nm)	> 100.00	-0.0032 u (ppm)	2.1226
5/7/2019 19:33:07	R1903917-008	Sn (189.925 nm)	> 100.00	-0.0001 u (ppm)	-0.9415
5/7/2019 19:33:07	R1903917-008	Sr (216.596 nm)	1.85	0.0578 (ppm)	582.9195
5/7/2019 19:33:07	R1903917-008	Ti (336.122 nm)	0.87	0.0185 (ppm)	4622.0446
5/7/2019 19:33:07	R1903917-008	Tl (351.923 nm)	> 100.00	-0.0008 u (ppm)	-0.8945
5/7/2019 19:33:07	R1903917-008	V (292.401 nm)	64.32	0.0002 (ppm)	56.2799
5/7/2019 19:33:07	R1903917-008	Y (360.074 nm)	0.60	1.01 (Ratio)	987389.30
5/7/2019 19:33:07	R1903917-008	Y_R (360.074 nm)	0.60	1.01 (Ratio)	987389.30
5/7/2019 19:33:07	R1903917-008	Zn (213.857 nm)	0.79	0.0109 (ppm)	359.7713
5/7/2019 19:36:27	R1903917-009	Ag (328.068 nm)	8.43	-0.0002 u (ppm)	-147.8185
5/7/2019 19:36:27	R1903917-009	Al (394.401 nm)	0.17	0.4710 (ppm)	8356.3047
5/7/2019 19:36:27	R1903917-009	As (188.980 nm)	18.63	0.0099 (ppm)	6.1949
5/7/2019 19:36:27	R1903917-009	B (249.772 nm)	0.15	0.4559 (ppm)	17990.0517
5/7/2019 19:36:27	R1903917-009	Ba (230.424 nm)	0.11	0.3513 (ppm)	16443.6167
5/7/2019 19:36:27	R1903917-009	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-296.3719
5/7/2019 19:36:27	R1903917-009	Ca (227.547 nm)	0.03	132.5400 o (ppm)	8119.8853
5/7/2019 19:36:27	R1903917-009	Cd (214.439 nm)	29.92	0.0007 (ppm)	18.6744
5/7/2019 19:36:27	R1903917-009	Co (230.786 nm)	2.26	0.0064 (ppm)	77.5331
5/7/2019 19:36:27	R1903917-009	Cr (267.716 nm)	26.02	-0.0007 u (ppm)	-12.7706
5/7/2019 19:36:27	R1903917-009	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	23.3906
5/7/2019 19:36:27	R1903917-009	Fe (234.350 nm)	0.31	58.2715 o (ppm)	628904.7168
5/7/2019 19:36:27	R1903917-009	K (766.491 nm)	0.25	21.9298 (ppm)	79691.4474
5/7/2019 19:36:27	R1903917-009	Mg (279.078 nm)	0.16	42.2162 (ppm)	94862.6264
5/7/2019 19:36:27	R1903917-009	Mn (257.610 nm)	0.19	4.9937 o (ppm)	1565087.9205
5/7/2019 19:36:27	R1903917-009	Mo (202.032 nm)	9.68	-0.0012 u (ppm)	1.8102
5/7/2019 19:36:27	R1903917-009	Na (588.995 nm)	0.20	48.1233 (ppm)	2334476.4083
5/7/2019 19:36:27	R1903917-009	Ni (230.299 nm)	9.86	-0.0053 u (ppm)	-65.2945
5/7/2019 19:36:27	R1903917-009	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	2.8342
5/7/2019 19:36:27	R1903917-009	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	0.5512
5/7/2019 19:36:27	R1903917-009	Se (196.026 nm)	61.79	-0.0093 u (ppm)	-0.8550
5/7/2019 19:36:27	R1903917-009	Sn (189.925 nm)	> 100.00	-0.0020 u (ppm)	-2.2703
5/7/2019 19:36:27	R1903917-009	Sr (216.596 nm)	0.29	0.5395 (ppm)	5434.8342
5/7/2019 19:36:27	R1903917-009	Ti (336.122 nm)	1.64	0.0277 (ppm)	6909.6704
5/7/2019 19:36:27	R1903917-009	Tl (351.923 nm)	> 100.00	0.0024 (ppm)	8.1597
5/7/2019 19:36:27	R1903917-009	V (292.401 nm)	7.54	0.0029 (ppm)	140.3543
5/7/2019 19:36:27	R1903917-009	Y (360.074 nm)	0.36	0.94 (Ratio)	917716.63
5/7/2019 19:36:27	R1903917-009	Y_R (360.074 nm)	0.36	0.94 (Ratio)	917716.63
5/7/2019 19:36:27	R1903917-009	Zn (213.857 nm)	1.29	0.0086 (ppm)	282.8067
5/7/2019 19:39:46	R1903917-010	Ag (328.068 nm)	45.28	-0.0001 u (ppm)	-142.3769
5/7/2019 19:39:46	R1903917-010	Al (394.401 nm)	0.74	0.0404 (ppm)	990.8469
5/7/2019 19:39:46	R1903917-010	As (188.980 nm)	> 100.00	0.0021 u (ppm)	1.1889
5/7/2019 19:39:46	R1903917-010	B (249.772 nm)	0.01	0.5971 (ppm)	23524.4415
5/7/2019 19:39:46	R1903917-010	Ba (230.424 nm)	0.13	0.5572 (ppm)	26060.2563
5/7/2019 19:39:46	R1903917-010	Be (313.107 nm)	54.16	0.0000 u (ppm)	-317.6390
5/7/2019 19:39:46	R1903917-010	Ca (227.547 nm)	0.22	97.8212 o (ppm)	5993.1237
5/7/2019 19:39:46	R1903917-010	Cd (214.439 nm)	43.83	0.0003 (ppm)	9.6932
5/7/2019 19:39:46	R1903917-010	Co (230.786 nm)	14.05	0.0023 (ppm)	26.3743
5/7/2019 19:39:46	R1903917-010	Cr (267.716 nm)	76.46	0.0002 (ppm)	27.7611
5/7/2019 19:39:46	R1903917-010	Cu (327.395 nm)	5.68	0.0021 (ppm)	168.4614
5/7/2019 19:39:46	R1903917-010	Fe (234.350 nm)	0.05	6.5483 (ppm)	70716.0011

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:39:46	R1903917-010	K (766.491 nm)	0.34	36.2148 (ppm)	131608.9459
5/7/2019 19:39:46	R1903917-010	Mg (279.078 nm)	0.13	30.8002 (ppm)	69216.6503
5/7/2019 19:39:46	R1903917-010	Mn (257.610 nm)	0.05	0.9105 (ppm)	285399.6754
5/7/2019 19:39:46	R1903917-010	Mo (202.032 nm)	43.03	-0.0010 u (ppm)	2.9754
5/7/2019 19:39:46	R1903917-010	Na (588.995 nm)	0.26	61.8433 o (ppm)	3002095.6173
5/7/2019 19:39:46	R1903917-010	Ni (230.299 nm)	3.93	0.0064 (ppm)	51.1023
5/7/2019 19:39:46	R1903917-010	Pb (220.353 nm)	33.44	0.0009 (ppm)	6.2218
5/7/2019 19:39:46	R1903917-010	Sb (217.582 nm)	> 100.00	-0.0030 u (ppm)	-3.6972
5/7/2019 19:39:46	R1903917-010	Se (196.026 nm)	45.01	-0.0099 u (ppm)	-1.1597
5/7/2019 19:39:46	R1903917-010	Sn (189.925 nm)	> 100.00	-0.0001 u (ppm)	-0.9421
5/7/2019 19:39:46	R1903917-010	Sr (216.596 nm)	0.46	0.4552 (ppm)	4586.2786
5/7/2019 19:39:46	R1903917-010	Ti (336.122 nm)	15.10	0.0015 (ppm)	417.9053
5/7/2019 19:39:46	R1903917-010	Ti (351.923 nm)	57.37	0.0011 (ppm)	4.3543
5/7/2019 19:39:46	R1903917-010	V (292.401 nm)	40.56	-0.0001 u (ppm)	45.6874
5/7/2019 19:39:46	R1903917-010	Y (360.074 nm)	0.43	0.95 (Ratio)	921559.93
5/7/2019 19:39:46	R1903917-010	Y_R (360.074 nm)	0.43	0.95 (Ratio)	921559.93
5/7/2019 19:39:46	R1903917-010	Zn (213.857 nm)	2.58	0.0029 (ppm)	90.0479
5/7/2019 19:43:05	R1903917-011	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-136.8367
5/7/2019 19:43:05	R1903917-011	Al (394.401 nm)	1.08	0.0232 (ppm)	695.9105
5/7/2019 19:43:05	R1903917-011	As (188.980 nm)	> 100.00	0.0003 u (ppm)	-0.0288
5/7/2019 19:43:05	R1903917-011	B (249.772 nm)	0.23	0.0239 (ppm)	1059.7671
5/7/2019 19:43:05	R1903917-011	Ba (230.424 nm)	0.21	0.0277 (ppm)	1335.4774
5/7/2019 19:43:05	R1903917-011	Be (313.107 nm)	17.23	0.0000 u (ppm)	-311.9880
5/7/2019 19:43:05	R1903917-011	Ca (227.547 nm)	0.20	20.0163 (ppm)	1227.0385
5/7/2019 19:43:05	R1903917-011	Cd (214.439 nm)	27.57	0.0003 (ppm)	10.5754
5/7/2019 19:43:05	R1903917-011	Co (230.786 nm)	28.70	0.0006 (ppm)	4.9485
5/7/2019 19:43:05	R1903917-011	Cr (267.716 nm)	1.96	-0.0007 u (ppm)	-11.0635
5/7/2019 19:43:05	R1903917-011	Cu (327.395 nm)	9.60	0.0009 (ppm)	84.7893
5/7/2019 19:43:05	R1903917-011	Fe (234.350 nm)	1.19	0.0476 (ppm)	562.3478
5/7/2019 19:43:05	R1903917-011	K (766.491 nm)	0.25	5.3665 (ppm)	19493.9178
5/7/2019 19:43:05	R1903917-011	Mg (279.078 nm)	0.03	5.7397 (ppm)	12917.9047
5/7/2019 19:43:05	R1903917-011	Mn (257.610 nm)	0.10	3.2050 o (ppm)	1004517.0956
5/7/2019 19:43:05	R1903917-011	Mo (202.032 nm)	16.64	-0.0016 u (ppm)	-0.7039
5/7/2019 19:43:05	R1903917-011	Na (588.995 nm)	0.33	1.6860 (ppm)	74816.4111
5/7/2019 19:43:05	R1903917-011	Ni (230.299 nm)	15.23	-0.0049 u (ppm)	-61.1487
5/7/2019 19:43:05	R1903917-011	Pb (220.353 nm)	> 100.00	-0.0005 u (ppm)	2.2142
5/7/2019 19:43:05	R1903917-011	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	1.1699
5/7/2019 19:43:05	R1903917-011	Se (196.026 nm)	> 100.00	-0.0023 u (ppm)	2.5212
5/7/2019 19:43:05	R1903917-011	Sn (189.925 nm)	> 100.00	-0.0006 u (ppm)	-1.2589
5/7/2019 19:43:05	R1903917-011	Sr (216.596 nm)	0.61	0.1070 (ppm)	1079.1304
5/7/2019 19:43:05	R1903917-011	Ti (336.122 nm)	7.18	0.0012 (ppm)	350.2646
5/7/2019 19:43:05	R1903917-011	Ti (351.923 nm)	> 100.00	-0.0022 u (ppm)	-4.9587
5/7/2019 19:43:05	R1903917-011	V (292.401 nm)	28.38	-0.0004 u (ppm)	36.8954
5/7/2019 19:43:05	R1903917-011	Y (360.074 nm)	0.51	1.00 (Ratio)	977730.65
5/7/2019 19:43:05	R1903917-011	Y_R (360.074 nm)	0.51	1.00 (Ratio)	977730.65
5/7/2019 19:43:05	R1903917-011	Zn (213.857 nm)	1.16	0.0109 (ppm)	360.7477
5/7/2019 19:46:24	RINSE	Ag (328.068 nm)	62.26	-0.0001 u (ppm)	-140.3600
5/7/2019 19:46:24	RINSE	Al (394.401 nm)	3.28	-0.0078 u (ppm)	165.7179
5/7/2019 19:46:24	RINSE	As (188.980 nm)	> 100.00	-0.0014 u (ppm)	-1.0948
5/7/2019 19:46:24	RINSE	B (249.772 nm)	6.95	-0.0018 u (ppm)	51.1933
5/7/2019 19:46:24	RINSE	Ba (230.424 nm)	9.91	-0.0009 u (ppm)	0.2711

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:46:24	RINSE	Be (313.107 nm)	16.88	0.0000 u (ppm)	-323.9456
5/7/2019 19:46:24	RINSE	Ca (227.547 nm)	> 100.00	0.0106 u (ppm)	1.5513
5/7/2019 19:46:24	RINSE	Cd (214.439 nm)	61.52	-0.0001 u (ppm)	3.0447
5/7/2019 19:46:24	RINSE	Co (230.786 nm)	60.59	-0.0004 u (ppm)	-7.8981
5/7/2019 19:46:24	RINSE	Cr (267.716 nm)	49.96	-0.0002 u (ppm)	8.0423
5/7/2019 19:46:24	RINSE	Cu (327.395 nm)	31.35	-0.0002 u (ppm)	10.7864
5/7/2019 19:46:24	RINSE	Fe (234.350 nm)	59.58	-0.0006 u (ppm)	41.6106
5/7/2019 19:46:24	RINSE	K (766.491 nm)	> 100.00	-0.0018 u (ppm)	-16.6747
5/7/2019 19:46:24	RINSE	Mg (279.078 nm)	18.61	-0.0065 u (ppm)	8.9899
5/7/2019 19:46:24	RINSE	Mn (257.610 nm)	96.27	0.0001 (ppm)	100.1478
5/7/2019 19:46:24	RINSE	Mo (202.032 nm)	19.57	-0.0014 u (ppm)	0.6618
5/7/2019 19:46:24	RINSE	Na (588.995 nm)	6.19	-0.0190 u (ppm)	-8154.1590
5/7/2019 19:46:24	RINSE	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-14.1321
5/7/2019 19:46:24	RINSE	Pb (220.353 nm)	87.75	-0.0006 u (ppm)	2.0342
5/7/2019 19:46:24	RINSE	Sb (217.582 nm)	38.63	-0.0025 u (ppm)	-3.0494
5/7/2019 19:46:24	RINSE	Se (196.026 nm)	> 100.00	-0.0001 u (ppm)	3.6073
5/7/2019 19:46:24	RINSE	Sn (189.925 nm)	60.06	0.0017 (ppm)	0.3363
5/7/2019 19:46:24	RINSE	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	2.0093
5/7/2019 19:46:24	RINSE	Ti (336.122 nm)	3.65	-0.0006 u (ppm)	-108.5173
5/7/2019 19:46:24	RINSE	Tl (351.923 nm)	> 100.00	-0.0018 u (ppm)	-3.8805
5/7/2019 19:46:24	RINSE	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	45.8912
5/7/2019 19:46:24	RINSE	Y (360.074 nm)	0.33	1.01 (Ratio)	983246.32
5/7/2019 19:46:24	RINSE	Y_R (360.074 nm)	0.33	1.01 (Ratio)	983246.32
5/7/2019 19:46:24	RINSE	Zn (213.857 nm)	35.25	-0.0002 u (ppm)	-13.0109
5/7/2019 19:49:44	R1903917-013	Ag (328.068 nm)	64.94	-0.0001 u (ppm)	-137.0792
5/7/2019 19:49:44	R1903917-013	Al (394.401 nm)	1.83	0.0299 (ppm)	810.0611
5/7/2019 19:49:44	R1903917-013	As (188.980 nm)	9.38	0.0192 (ppm)	12.1586
5/7/2019 19:49:44	R1903917-013	B (249.772 nm)	0.15	3.7530 (ppm)	147213.2013
5/7/2019 19:49:44	R1903917-013	Ba (230.424 nm)	0.22	1.0161 (ppm)	47481.4568
5/7/2019 19:49:44	R1903917-013	Be (313.107 nm)	21.27	0.0000 u (ppm)	-341.9818
5/7/2019 19:49:44	R1903917-013	Ca (227.547 nm)	0.13	148.3426 o (ppm)	9087.9057
5/7/2019 19:49:44	R1903917-013	Cd (214.439 nm)	85.04	0.0002 (ppm)	9.1673
5/7/2019 19:49:44	R1903917-013	Co (230.786 nm)	20.63	0.0029 (ppm)	33.9969
5/7/2019 19:49:44	R1903917-013	Cr (267.716 nm)	6.75	0.0019 (ppm)	96.8317
5/7/2019 19:49:44	R1903917-013	Cu (327.395 nm)	26.82	-0.0004 u (ppm)	-2.6008
5/7/2019 19:49:44	R1903917-013	Fe (234.350 nm)	0.15	15.7658 o (ppm)	170190.2653
5/7/2019 19:49:44	R1903917-013	K (766.491 nm)	0.14	88.0655 o (ppm)	320054.8129
5/7/2019 19:49:44	R1903917-013	Mg (279.078 nm)	0.05	81.6534 o (ppm)	183458.9443
5/7/2019 19:49:44	R1903917-013	Mn (257.610 nm)	0.21	0.2124 (ppm)	66636.0000
5/7/2019 19:49:44	R1903917-013	Mo (202.032 nm)	15.40	-0.0016 u (ppm)	-0.6449
5/7/2019 19:49:44	R1903917-013	Na (588.995 nm)	0.45	320.8215 o (ppm)	15604105.2370
5/7/2019 19:49:44	R1903917-013	Ni (230.299 nm)	0.25	0.2673 (ppm)	2639.4246
5/7/2019 19:49:44	R1903917-013	Pb (220.353 nm)	> 100.00	-0.0013 u (ppm)	0.2091
5/7/2019 19:49:44	R1903917-013	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	0.1486
5/7/2019 19:49:44	R1903917-013	Se (196.026 nm)	74.14	-0.0065 u (ppm)	0.5315
5/7/2019 19:49:44	R1903917-013	Sn (189.925 nm)	> 100.00	0.0013 u (ppm)	0.0855
5/7/2019 19:49:44	R1903917-013	Sr (216.596 nm)	0.36	1.4856 (ppm)	14964.9868
5/7/2019 19:49:44	R1903917-013	Ti (336.122 nm)	2.03	0.0013 (ppm)	377.0861
5/7/2019 19:49:44	R1903917-013	Tl (351.923 nm)	> 100.00	0.0023 (ppm)	8.0020
5/7/2019 19:49:44	R1903917-013	V (292.401 nm)	3.11	0.0020 (ppm)	113.4274
5/7/2019 19:49:44	R1903917-013	Y (360.074 nm)	0.35	0.89 (Ratio)	862428.33

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:49:44	R1903917-013	Y_R (360.074 nm)	0.35	0.89 (Ratio)	862428.33
5/7/2019 19:49:44	R1903917-013	Zn (213.857 nm)	2.00	0.0041 (ppm)	129.7460
5/7/2019 19:53:04	Continuing Calibration Verification	Ag (328.068 nm)	0.12	0.4926 (ppm)	36679.8335
5/7/2019 19:53:04	Continuing Calibration Verification	Al (394.401 nm)	0.38	9.5919 (ppm)	164379.0531
5/7/2019 19:53:04	Continuing Calibration Verification	As (188.980 nm)	1.35	0.9715 (ppm)	625.4722
5/7/2019 19:53:04	Continuing Calibration Verification	B (249.772 nm)	0.17	2.4602 (ppm)	96543.7759
5/7/2019 19:53:04	Continuing Calibration Verification	Ba (230.424 nm)	0.57	10.3521 (ppm)	483357.7657
5/7/2019 19:53:04	Continuing Calibration Verification	Be (313.107 nm)	0.54	0.2537 (ppm)	338095.2383
5/7/2019 19:53:04	Continuing Calibration Verification	Ca (227.547 nm)	0.20	24.0896 (ppm)	1476.5541
5/7/2019 19:53:04	Continuing Calibration Verification	Cd (214.439 nm)	0.20	0.5017 (ppm)	10134.5846
5/7/2019 19:53:04	Continuing Calibration Verification	Co (230.786 nm)	0.19	2.6215 (ppm)	32926.9138
5/7/2019 19:53:04	Continuing Calibration Verification	Cr (267.716 nm)	0.12	0.5103 (ppm)	20811.2108
5/7/2019 19:53:04	Continuing Calibration Verification	Cu (327.395 nm)	0.53	1.2058 (ppm)	80188.1980
5/7/2019 19:53:04	Continuing Calibration Verification	Fe (234.350 nm)	0.14	4.9194 (ppm)	53137.3449
5/7/2019 19:53:04	Continuing Calibration Verification	K (766.491 nm)	0.37	24.2338 (ppm)	88065.0587
5/7/2019 19:53:04	Continuing Calibration Verification	Mg (279.078 nm)	0.18	25.0347 (ppm)	56264.2762
5/7/2019 19:53:04	Continuing Calibration Verification	Mn (257.610 nm)	0.08	0.7564 (ppm)	237128.7008
5/7/2019 19:53:04	Continuing Calibration Verification	Mo (202.032 nm)	0.13	2.4894 (ppm)	14056.3281
5/7/2019 19:53:04	Continuing Calibration Verification	Na (588.995 nm)	0.24	24.5010 (ppm)	1185003.5198
5/7/2019 19:53:04	Continuing Calibration Verification	Ni (230.299 nm)	0.28	2.0139 (ppm)	19963.9786
5/7/2019 19:53:04	Continuing Calibration Verification	Pb (220.353 nm)	0.45	0.5076 (ppm)	1421.5438
5/7/2019 19:53:04	Continuing Calibration Verification	Sb (217.582 nm)	0.32	4.8101 (ppm)	5583.1035
5/7/2019 19:53:04	Continuing Calibration Verification	Se (196.026 nm)	0.74	0.4838 (ppm)	238.0170
5/7/2019 19:53:04	Continuing Calibration Verification	Sn (189.925 nm)	0.22	5.0586 (ppm)	3541.6383
5/7/2019 19:53:04	Continuing Calibration Verification	Sr (216.596 nm)	0.23	2.5266 (ppm)	25450.4001
5/7/2019 19:53:04	Continuing Calibration Verification	Ti (336.122 nm)	0.20	2.5252 (ppm)	624611.8770
5/7/2019 19:53:04	Continuing Calibration Verification	Tl (351.923 nm)	0.55	1.0107 (ppm)	2903.2389
5/7/2019 19:53:04	Continuing Calibration Verification	V (292.401 nm)	0.16	2.5481 (ppm)	80628.1138
5/7/2019 19:53:04	Continuing Calibration Verification	Y (360.074 nm)	0.48	0.96 (Ratio)	933862.87
5/7/2019 19:53:04	Continuing Calibration Verification	Y_R (360.074 nm)	0.48	0.96 (Ratio)	933862.87
5/7/2019 19:53:04	Continuing Calibration Verification	Zn (213.857 nm)	0.05	0.9839 (ppm)	33158.0484
5/7/2019 19:56:24	Continuing Calibration Blank	Ag (328.068 nm)	28.57	-0.0001 u (ppm)	-139.6225
5/7/2019 19:56:24	Continuing Calibration Blank	Al (394.401 nm)	3.83	-0.0064 u (ppm)	188.7274
5/7/2019 19:56:24	Continuing Calibration Blank	As (188.980 nm)	44.82	0.0045 (ppm)	2.7067
5/7/2019 19:56:24	Continuing Calibration Blank	B (249.772 nm)	70.50	-0.0002 u (ppm)	114.0080
5/7/2019 19:56:24	Continuing Calibration Blank	Ba (230.424 nm)	> 100.00	0.0003 u (ppm)	57.4959
5/7/2019 19:56:24	Continuing Calibration Blank	Be (313.107 nm)	42.01	0.0000 (ppm)	-275.4689
5/7/2019 19:56:24	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0105 u (ppm)	1.5456
5/7/2019 19:56:24	Continuing Calibration Blank	Cd (214.439 nm)	85.86	0.0001 (ppm)	6.7589
5/7/2019 19:56:24	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0001 (ppm)	-0.8244
5/7/2019 19:56:24	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	12.9389
5/7/2019 19:56:24	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	24.0622
5/7/2019 19:56:24	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	-0.0003 u (ppm)	45.4223
5/7/2019 19:56:24	Continuing Calibration Blank	K (766.491 nm)	8.39	0.0214 (ppm)	67.4926
5/7/2019 19:56:24	Continuing Calibration Blank	Mg (279.078 nm)	33.99	-0.0048 u (ppm)	12.6965
5/7/2019 19:56:24	Continuing Calibration Blank	Mn (257.610 nm)	60.36	0.0000 u (ppm)	48.0288
5/7/2019 19:56:24	Continuing Calibration Blank	Mo (202.032 nm)	24.67	0.0028 (ppm)	24.1906
5/7/2019 19:56:24	Continuing Calibration Blank	Na (588.995 nm)	16.91	-0.0121 u (ppm)	-7814.4526
5/7/2019 19:56:24	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-12.6952
5/7/2019 19:56:24	Continuing Calibration Blank	Pb (220.353 nm)	79.02	-0.0003 u (ppm)	2.8862
5/7/2019 19:56:24	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0016 u (ppm)	1.6013

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 19:56:24	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0009 u (ppm)	4.0880
5/7/2019 19:56:24	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	-0.0186
5/7/2019 19:56:24	Continuing Calibration Blank	Sr (216.596 nm)	86.40	0.0004 (ppm)	4.5869
5/7/2019 19:56:24	Continuing Calibration Blank	Ti (336.122 nm)	42.50	0.0007 (ppm)	232.1873
5/7/2019 19:56:24	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	-0.0013 u (ppm)	-2.5711
5/7/2019 19:56:24	Continuing Calibration Blank	V (292.401 nm)	18.18	0.0002 (ppm)	56.5722
5/7/2019 19:56:24	Continuing Calibration Blank	Y (360.074 nm)	0.41	1.01 (Ratio)	980812.83
5/7/2019 19:56:24	Continuing Calibration Blank	Y_R (360.074 nm)	0.41	1.01 (Ratio)	980812.83
5/7/2019 19:56:24	Continuing Calibration Blank	Zn (213.857 nm)	97.11	0.0000 u (ppm)	-7.8247
5/7/2019 19:59:43	R1903917-014	Ag (328.068 nm)	78.68	-0.0001 u (ppm)	-136.7967
5/7/2019 19:59:43	R1903917-014	Al (394.401 nm)	0.37	1.6272 (ppm)	28133.7581
5/7/2019 19:59:43	R1903917-014	As (188.980 nm)	18.10	0.0018 (ppm)	0.9614
5/7/2019 19:59:43	R1903917-014	B (249.772 nm)	0.74	0.0190 (ppm)	867.1478
5/7/2019 19:59:43	R1903917-014	Ba (230.424 nm)	1.59	0.0167 (ppm)	822.7233
5/7/2019 19:59:43	R1903917-014	Be (313.107 nm)	12.75	0.0001 (ppm)	-221.4087
5/7/2019 19:59:43	R1903917-014	Ca (227.547 nm)	0.58	15.1353 (ppm)	928.0437
5/7/2019 19:59:43	R1903917-014	Cd (214.439 nm)	11.74	0.0003 (ppm)	11.4709
5/7/2019 19:59:43	R1903917-014	Co (230.786 nm)	51.54	0.0006 (ppm)	5.6442
5/7/2019 19:59:43	R1903917-014	Cr (267.716 nm)	2.49	0.0024 (ppm)	115.2842
5/7/2019 19:59:43	R1903917-014	Cu (327.395 nm)	17.76	0.0014 (ppm)	117.2771
5/7/2019 19:59:43	R1903917-014	Fe (234.350 nm)	0.26	1.6742 (ppm)	18115.6124
5/7/2019 19:59:43	R1903917-014	K (766.491 nm)	0.36	2.4208 (ppm)	8788.1079
5/7/2019 19:59:43	R1903917-014	Mg (279.078 nm)	0.16	3.7811 (ppm)	8517.7834
5/7/2019 19:59:43	R1903917-014	Mn (257.610 nm)	0.31	0.0473 (ppm)	14873.4254
5/7/2019 19:59:43	R1903917-014	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	6.5499
5/7/2019 19:59:43	R1903917-014	Na (588.995 nm)	0.37	4.1845 (ppm)	195393.8045
5/7/2019 19:59:43	R1903917-014	Ni (230.299 nm)	8.88	-0.0077 u (ppm)	-88.4938
5/7/2019 19:59:43	R1903917-014	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	4.1547
5/7/2019 19:59:43	R1903917-014	Sb (217.582 nm)	> 100.00	-0.0004 u (ppm)	-0.6153
5/7/2019 19:59:43	R1903917-014	Se (196.026 nm)	> 100.00	-0.0031 u (ppm)	2.1507
5/7/2019 19:59:43	R1903917-014	Sn (189.925 nm)	30.85	0.0014 (ppm)	0.1247
5/7/2019 19:59:43	R1903917-014	Sr (216.596 nm)	0.92	0.0864 (ppm)	871.1674
5/7/2019 19:59:43	R1903917-014	Ti (336.122 nm)	0.59	0.0853 (ppm)	21400.6050
5/7/2019 19:59:43	R1903917-014	Tl (351.923 nm)	81.17	-0.0021 u (ppm)	-4.8540
5/7/2019 19:59:43	R1903917-014	V (292.401 nm)	7.68	0.0023 (ppm)	122.4478
5/7/2019 19:59:43	R1903917-014	Y (360.074 nm)	0.55	1.02 (Ratio)	990465.58
5/7/2019 19:59:43	R1903917-014	Y_R (360.074 nm)	0.55	1.02 (Ratio)	990465.58
5/7/2019 19:59:43	R1903917-014	Zn (213.857 nm)	0.65	0.0099 (ppm)	326.9468
5/7/2019 20:03:03	R1903917-015	Ag (328.068 nm)	68.58	-0.0001 u (ppm)	-142.2929
5/7/2019 20:03:03	R1903917-015	Al (394.401 nm)	0.14	0.8463 (ppm)	14775.4541
5/7/2019 20:03:03	R1903917-015	As (188.980 nm)	45.74	-0.0019 u (ppm)	-1.4445
5/7/2019 20:03:03	R1903917-015	B (249.772 nm)	0.20	0.0061 (ppm)	361.2688
5/7/2019 20:03:03	R1903917-015	Ba (230.424 nm)	1.08	0.0060 (ppm)	324.7191
5/7/2019 20:03:03	R1903917-015	Be (313.107 nm)	14.41	0.0000 (ppm)	-279.4636
5/7/2019 20:03:03	R1903917-015	Ca (227.547 nm)	0.94	5.7648 (ppm)	354.0351
5/7/2019 20:03:03	R1903917-015	Cd (214.439 nm)	29.23	-0.0001 u (ppm)	2.7957
5/7/2019 20:03:03	R1903917-015	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.7994
5/7/2019 20:03:03	R1903917-015	Cr (267.716 nm)	10.99	0.0014 (ppm)	75.7124
5/7/2019 20:03:03	R1903917-015	Cu (327.395 nm)	3.90	0.0052 (ppm)	368.2685
5/7/2019 20:03:03	R1903917-015	Fe (234.350 nm)	0.32	0.3820 (ppm)	4170.5382
5/7/2019 20:03:03	R1903917-015	K (766.491 nm)	0.49	1.1792 (ppm)	4275.3896

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:03:03	R1903917-015	Mg (279.078 nm)	0.16	1.8716 (ppm)	4228.1371
5/7/2019 20:03:03	R1903917-015	Mn (257.610 nm)	0.29	0.0104 (ppm)	3329.9580
5/7/2019 20:03:03	R1903917-015	Mo (202.032 nm)	7.23	-0.0008 u (ppm)	4.0732
5/7/2019 20:03:03	R1903917-015	Na (588.895 nm)	0.20	1.8890 (ppm)	84691.5879
5/7/2019 20:03:03	R1903917-015	Ni (230.299 nm)	10.33	-0.0057 u (ppm)	-69.3443
5/7/2019 20:03:03	R1903917-015	Pb (220.353 nm)	> 100.00	0.0005 (ppm)	5.1579
5/7/2019 20:03:03	R1903917-015	Sb (217.582 nm)	89.74	-0.0014 u (ppm)	-1.7959
5/7/2019 20:03:03	R1903917-015	Se (186.026 nm)	> 100.00	-0.0007 u (ppm)	3.3303
5/7/2019 20:03:03	R1903917-015	Sn (189.925 nm)	76.92	0.0036 (ppm)	1.6434
5/7/2019 20:03:03	R1903917-015	Sr (216.596 nm)	0.77	0.0437 (ppm)	441.0578
5/7/2019 20:03:03	R1903917-015	Tl (336.122 nm)	0.67	0.0192 (ppm)	4797.1890
5/7/2019 20:03:03	R1903917-015	Tl (351.923 nm)	14.26	-0.0025 u (ppm)	-5.9607
5/7/2019 20:03:03	R1903917-015	V (292.401 nm)	63.65	0.0002 (ppm)	55.7033
5/7/2019 20:03:03	R1903917-015	Y (360.074 nm)	0.58	1.02 (Ratio)	989143.88
5/7/2019 20:03:03	R1903917-015	Y_R (360.074 nm)	0.58	1.02 (Ratio)	989143.88
5/7/2019 20:03:03	R1903917-015	Zn (213.857 nm)	0.12	0.0254 (ppm)	849.2003
5/7/2019 20:06:23	R1903917-016	Ag (328.068 nm)	21.13	-0.0001 u (ppm)	-140.4824
5/7/2019 20:06:23	R1903917-016	Al (394.401 nm)	0.78	0.0479 (ppm)	1118.8699
5/7/2019 20:06:23	R1903917-016	As (188.980 nm)	28.58	0.0088 (ppm)	5.4580
5/7/2019 20:06:23	R1903917-016	B (249.772 nm)	0.24	1.8504 (ppm)	76566.1907
5/7/2019 20:06:23	R1903917-016	Ba (230.424 nm)	0.23	0.1867 (ppm)	8761.1169
5/7/2019 20:06:23	R1903917-016	Be (313.107 nm)	28.60	0.0000 u (ppm)	-318.8698
5/7/2019 20:06:23	R1903917-016	Ca (227.547 nm)	0.06	151.9817 o (ppm)	9310.8211
5/7/2019 20:06:23	R1903917-016	Cd (214.439 nm)	87.01	0.0002 (ppm)	8.2697
5/7/2019 20:06:23	R1903917-016	Co (230.786 nm)	6.80	0.0033 (ppm)	38.5430
5/7/2019 20:06:23	R1903917-016	Cr (267.716 nm)	1.51	0.0020 (ppm)	87.0615
5/7/2019 20:06:23	R1903917-016	Cu (327.395 nm)	24.30	-0.0005 u (ppm)	-8.0239
5/7/2019 20:06:23	R1903917-016	Fe (234.350 nm)	0.28	14.0531 o (ppm)	151706.6524
5/7/2019 20:06:23	R1903917-016	K (766.491 nm)	0.23	102.3730 o (ppm)	372053.8984
5/7/2019 20:06:23	R1903917-016	Mg (279.078 nm)	0.23	66.6876 o (ppm)	149837.9561
5/7/2019 20:06:23	R1903917-016	Mn (257.610 nm)	0.31	0.4947 (ppm)	155105.1214
5/7/2019 20:06:23	R1903917-016	Mo (202.032 nm)	24.88	-0.0007 u (ppm)	4.4660
5/7/2019 20:06:23	R1903917-016	Na (588.895 nm)	0.54	197.7576 o (ppm)	9615754.6048
5/7/2019 20:06:23	R1903917-016	Ni (230.299 nm)	3.92	0.0206 (ppm)	191.8552
5/7/2019 20:06:23	R1903917-016	Pb (220.353 nm)	95.05	-0.0019 u (ppm)	-1.6987
5/7/2019 20:06:23	R1903917-016	Sb (217.582 nm)	> 100.00	-0.0010 u (ppm)	-1.3151
5/7/2019 20:06:23	R1903917-016	Se (186.026 nm)	85.65	-0.0086 u (ppm)	-0.5324
5/7/2019 20:06:23	R1903917-016	Sn (189.925 nm)	> 100.00	0.0007 u (ppm)	-0.3500
5/7/2019 20:06:23	R1903917-016	Sr (216.596 nm)	0.67	0.9412 (ppm)	9461.2828
5/7/2019 20:06:23	R1903917-016	Tl (336.122 nm)	5.47	0.0028 (ppm)	752.2160
5/7/2019 20:06:23	R1903917-016	Tl (351.923 nm)	26.87	0.0056 (ppm)	17.3591
5/7/2019 20:06:23	R1903917-016	V (292.401 nm)	8.78	0.0018 (ppm)	107.4839
5/7/2019 20:06:23	R1903917-016	Y (360.074 nm)	0.26	0.93 (Ratio)	903853.21
5/7/2019 20:06:23	R1903917-016	Y_R (360.074 nm)	0.26	0.93 (Ratio)	903853.21
5/7/2019 20:06:23	R1903917-016	Zn (213.857 nm)	1.47	0.0022 (ppm)	65.6357
5/7/2019 20:09:43	R1903917-017	Ag (328.068 nm)	27.61	-0.0001 u (ppm)	-138.4818
5/7/2019 20:09:43	R1903917-017	Al (394.401 nm)	6.37	0.0121 (ppm)	506.2413
5/7/2019 20:09:43	R1903917-017	As (188.980 nm)	> 100.00	0.0026 (ppm)	1.4775
5/7/2019 20:09:43	R1903917-017	B (249.772 nm)	0.25	0.2720 (ppm)	10782.6017
5/7/2019 20:09:43	R1903917-017	Ba (230.424 nm)	0.37	0.1925 (ppm)	9030.3662
5/7/2019 20:09:43	R1903917-017	Be (313.107 nm)	91.24	0.0000 u (ppm)	-309.0173

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:09:43	R1903917-017	C _a (227.547 nm)	0.12	82.0634 o (ppm)	5027.8499
5/7/2019 20:09:43	R1903917-017	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.5952
5/7/2019 20:09:43	R1903917-017	Co (230.786 nm)	2.20	0.0070 (ppm)	85.9099
5/7/2019 20:09:43	R1903917-017	Cr (267.716 nm)	28.00	0.0004 (ppm)	33.1301
5/7/2019 20:09:43	R1903917-017	Cu (327.395 nm)	2.07	0.0116 (ppm)	797.0565
5/7/2019 20:09:43	R1903917-017	Fe (234.350 nm)	0.44	13.7571 o (ppm)	148512.1426
5/7/2019 20:09:43	R1903917-017	K (766.491 nm)	0.19	14.1189 (ppm)	51303.5688
5/7/2019 20:09:43	R1903917-017	Mg (279.078 nm)	0.26	23.9172 (ppm)	53753.8601
5/7/2019 20:09:43	R1903917-017	Mn (257.610 nm)	0.37	0.6683 (ppm)	209516.7211
5/7/2019 20:09:43	R1903917-017	Mo (202.032 nm)	41.37	-0.0010 u (ppm)	2.9544
5/7/2019 20:09:43	R1903917-017	Na (588.995 nm)	0.15	33.3120 (ppm)	1613748.9278
5/7/2019 20:09:43	R1903917-017	Ni (230.299 nm)	77.02	-0.0011 u (ppm)	-23.6932
5/7/2019 20:09:43	R1903917-017	Pb (220.353 nm)	> 100.00	0.0011 u (ppm)	6.7041
5/7/2019 20:09:43	R1903917-017	Sb (217.582 nm)	> 100.00	-0.0007 u (ppm)	-1.0214
5/7/2019 20:09:43	R1903917-017	Se (196.026 nm)	68.98	-0.0075 u (ppm)	0.0378
5/7/2019 20:09:43	R1903917-017	Sn (189.925 nm)	> 100.00	-0.0012 u (ppm)	-1.6923
5/7/2019 20:09:43	R1903917-017	Sr (216.596 nm)	0.56	0.5786 (ppm)	5829.1633
5/7/2019 20:09:43	R1903917-017	Ti (336.122 nm)	32.40	0.0001 (ppm)	83.8603
5/7/2019 20:09:43	R1903917-017	Ti (351.923 nm)	91.40	0.0014 u (ppm)	5.3262
5/7/2019 20:09:43	R1903917-017	V (292.401 nm)	75.68	-0.0002 u (ppm)	44.4616
5/7/2019 20:09:43	R1903917-017	Y (360.074 nm)	0.21	0.96 (Ratio)	935992.88
5/7/2019 20:09:43	R1903917-017	Y_R (360.074 nm)	0.21	0.96 (Ratio)	935992.88
5/7/2019 20:09:43	R1903917-017	Zn (213.857 nm)	0.70	0.0135 (ppm)	448.6282
5/7/2019 20:13:03	R1903917-018	Ag (328.068 nm)	56.76	-0.0001 u (ppm)	-138.5572
5/7/2019 20:13:03	R1903917-018	Al (394.401 nm)	9.29	0.0055 (ppm)	392.6457
5/7/2019 20:13:03	R1903917-018	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	-0.2400
5/7/2019 20:13:03	R1903917-018	B (249.772 nm)	0.37	0.0449 (ppm)	1883.9528
5/7/2019 20:13:03	R1903917-018	Ba (230.424 nm)	0.49	0.0501 (ppm)	2380.8311
5/7/2019 20:13:03	R1903917-018	Be (313.107 nm)	59.63	0.0000 u (ppm)	-311.4788
5/7/2019 20:13:03	R1903917-018	Ca (227.547 nm)	0.40	30.7857 (ppm)	1886.7351
5/7/2019 20:13:03	R1903917-018	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.2436
5/7/2019 20:13:03	R1903917-018	Co (230.786 nm)	21.68	0.0004 (ppm)	2.7589
5/7/2019 20:13:03	R1903917-018	Cr (267.716 nm)	42.00	0.0002 (ppm)	24.6720
5/7/2019 20:13:03	R1903917-018	Cu (327.395 nm)	0.28	0.0352 (ppm)	2364.6450
5/7/2019 20:13:03	R1903917-018	Fe (234.350 nm)	0.19	4.8418 (ppm)	52300.5324
5/7/2019 20:13:03	R1903917-018	K (766.491 nm)	0.47	2.7024 (ppm)	9811.2932
5/7/2019 20:13:03	R1903917-018	Mg (279.078 nm)	0.21	6.7314 (ppm)	15145.6694
5/7/2019 20:13:03	R1903917-018	Mn (257.610 nm)	0.16	0.5755 (ppm)	180435.2164
5/7/2019 20:13:03	R1903917-018	Mo (202.032 nm)	32.45	-0.0013 u (ppm)	1.1959
5/7/2019 20:13:03	R1903917-018	Na (588.995 nm)	0.28	6.2783 (ppm)	298277.7609
5/7/2019 20:13:03	R1903917-018	Ni (230.299 nm)	7.75	-0.0044 u (ppm)	-55.5085
5/7/2019 20:13:03	R1903917-018	Pb (220.353 nm)	> 100.00	0.0010 u (ppm)	6.4345
5/7/2019 20:13:03	R1903917-018	Sb (217.582 nm)	> 100.00	0.0009 u (ppm)	0.8678
5/7/2019 20:13:03	R1903917-018	Se (196.026 nm)	> 100.00	-0.0061 u (ppm)	0.6839
5/7/2019 20:13:03	R1903917-018	Sn (189.925 nm)	> 100.00	-0.0005 u (ppm)	-1.2170
5/7/2019 20:13:03	R1903917-018	Sr (216.596 nm)	0.68	0.1538 (ppm)	1550.4596
5/7/2019 20:13:03	R1903917-018	Ti (336.122 nm)	67.66	-0.0001 u (ppm)	35.1056
5/7/2019 20:13:03	R1903917-018	Ti (351.923 nm)	> 100.00	-0.0011 u (ppm)	-1.9291
5/7/2019 20:13:03	R1903917-018	V (292.401 nm)	44.66	-0.0004 u (ppm)	36.5838
5/7/2019 20:13:03	R1903917-018	Y (360.074 nm)	0.28	1.00 (Ratio)	972914.38
5/7/2019 20:13:03	R1903917-018	Y_R (360.074 nm)	0.28	1.00 (Ratio)	972914.38

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:13:03	R1903917-018	Zn (213.857 nm)	0.72	0.0402 (ppm)	1347.3884
5/7/2019 20:16:22	Continuing Calibration Verification	Ag (328.068 nm)	0.16	0.4930 (ppm)	36706.9616
5/7/2019 20:16:22	Continuing Calibration Verification	Al (394.401 nm)	0.20	9.5995 (ppm)	164508.6039
5/7/2019 20:16:22	Continuing Calibration Verification	As (188.980 nm)	0.24	0.9848 (ppm)	634.0137
5/7/2019 20:16:22	Continuing Calibration Verification	B (249.772 nm)	0.27	2.4608 (ppm)	96570.4122
5/7/2019 20:16:22	Continuing Calibration Verification	Ba (230.424 nm)	0.83	10.3315 (ppm)	482397.1558
5/7/2019 20:16:22	Continuing Calibration Verification	Be (313.107 nm)	0.41	0.2536 (ppm)	337892.6824
5/7/2019 20:16:22	Continuing Calibration Verification	Ca (227.547 nm)	0.37	24.1367 (ppm)	1479.4413
5/7/2019 20:16:22	Continuing Calibration Verification	Cd (214.439 nm)	0.36	0.5026 (ppm)	10152.9164
5/7/2019 20:16:22	Continuing Calibration Verification	Co (230.786 nm)	0.37	2.6220 (ppm)	32932.5353
5/7/2019 20:16:22	Continuing Calibration Verification	Cr (267.716 nm)	0.39	0.5091 (ppm)	20764.0461
5/7/2019 20:16:22	Continuing Calibration Verification	Cu (327.395 nm)	0.40	1.2050 (ppm)	80130.8235
5/7/2019 20:16:22	Continuing Calibration Verification	Fe (234.350 nm)	0.22	4.9145 (ppm)	53085.1879
5/7/2019 20:16:22	Continuing Calibration Verification	K (766.491 nm)	0.29	24.2032 (ppm)	87953.6960
5/7/2019 20:16:22	Continuing Calibration Verification	Mg (279.078 nm)	0.28	25.0012 (ppm)	56189.0238
5/7/2019 20:16:22	Continuing Calibration Verification	Mn (257.610 nm)	0.33	0.7560 (ppm)	236998.1811
5/7/2019 20:16:22	Continuing Calibration Verification	Mo (202.032 nm)	0.55	2.4941 (ppm)	14083.3340
5/7/2019 20:16:22	Continuing Calibration Verification	Na (588.995 nm)	0.27	24.4247 (ppm)	1181289.5873
5/7/2019 20:16:22	Continuing Calibration Verification	Ni (230.299 nm)	0.22	2.0104 (ppm)	19929.8929
5/7/2019 20:16:22	Continuing Calibration Verification	Pb (220.353 nm)	0.58	0.5084 (ppm)	1423.6186
5/7/2019 20:16:22	Continuing Calibration Verification	Sb (217.582 nm)	0.37	4.8104 (ppm)	5583.4347
5/7/2019 20:16:22	Continuing Calibration Verification	Se (196.026 nm)	1.22	0.4837 (ppm)	237.9621
5/7/2019 20:16:22	Continuing Calibration Verification	Sn (189.925 nm)	0.88	5.0417 (ppm)	3529.7671
5/7/2019 20:16:22	Continuing Calibration Verification	Sr (216.596 nm)	0.47	2.5284 (ppm)	25468.6507
5/7/2019 20:16:22	Continuing Calibration Verification	Ti (336.122 nm)	0.24	2.5186 (ppm)	622974.6453
5/7/2019 20:16:22	Continuing Calibration Verification	Tl (351.923 nm)	0.23	1.0111 (ppm)	2904.3912
5/7/2019 20:16:22	Continuing Calibration Verification	V (292.401 nm)	0.28	2.5471 (ppm)	80597.1768
5/7/2019 20:16:22	Continuing Calibration Verification	Y (360.074 nm)	0.41	0.96 (Ratio)	933579.47
5/7/2019 20:16:22	Continuing Calibration Verification	Y_R (360.074 nm)	0.41	0.96 (Ratio)	933579.47
5/7/2019 20:16:22	Continuing Calibration Verification	Zn (213.857 nm)	0.24	0.9832 (ppm)	33135.1538
5/7/2019 20:19:41	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-130.8348
5/7/2019 20:19:41	Continuing Calibration Blank	Al (394.401 nm)	6.91	-0.0063 u (ppm)	180.4703
5/7/2019 20:19:41	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0017 u (ppm)	-1.2732
5/7/2019 20:19:41	Continuing Calibration Blank	B (249.772 nm)	39.69	-0.0005 u (ppm)	102.2572
5/7/2019 20:19:41	Continuing Calibration Blank	Ba (230.424 nm)	87.30	0.0004 (ppm)	60.5185
5/7/2019 20:19:41	Continuing Calibration Blank	Be (313.107 nm)	39.24	0.0000 (ppm)	-275.4348
5/7/2019 20:19:41	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0044 u (ppm)	1.1710
5/7/2019 20:19:41	Continuing Calibration Blank	Cd (214.439 nm)	51.84	0.0001 (ppm)	6.3723
5/7/2019 20:19:41	Continuing Calibration Blank	Co (230.786 nm)	68.99	-0.0002 u (ppm)	-4.8524
5/7/2019 20:19:41	Continuing Calibration Blank	Cr (267.716 nm)	69.26	-0.0002 u (ppm)	9.9031
5/7/2019 20:19:41	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	26.0941
5/7/2019 20:19:41	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	-0.0002 u (ppm)	46.1714
5/7/2019 20:19:41	Continuing Calibration Blank	K (766.491 nm)	58.57	0.0060 (ppm)	11.6927
5/7/2019 20:19:41	Continuing Calibration Blank	Mg (279.078 nm)	42.17	-0.0040 u (ppm)	14.6463
5/7/2019 20:19:41	Continuing Calibration Blank	Mn (257.610 nm)	75.05	0.0000 u (ppm)	52.1382
5/7/2019 20:19:41	Continuing Calibration Blank	Mo (202.032 nm)	28.07	0.0025 (ppm)	22.5385
5/7/2019 20:19:41	Continuing Calibration Blank	Na (588.995 nm)	5.28	-0.0159 u (ppm)	-7999.5955
5/7/2019 20:19:41	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-12.5056
5/7/2019 20:19:41	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	3.8018
5/7/2019 20:19:41	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-0.1350
5/7/2019 20:19:41	Continuing Calibration Blank	Se (196.026 nm)	82.69	0.0020 (ppm)	4.6273

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:19:41	Continuing Calibration Blank	Sn (189.925 nm)	12.16	0.0016 (ppm)	0.2992
5/7/2019 20:19:41	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0003 u (ppm)	3.9423
5/7/2019 20:19:41	Continuing Calibration Blank	Ti (336.122 nm)	44.26	0.0007 (ppm)	232.1028
5/7/2019 20:19:41	Continuing Calibration Blank	Tl (351.923 nm)	69.93	0.0005 (ppm)	2.8184
5/7/2019 20:19:41	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0002 (ppm)	55.0567
5/7/2019 20:19:41	Continuing Calibration Blank	Y (360.074 nm)	0.49	1.01 (Ratio)	979933.05
5/7/2019 20:19:41	Continuing Calibration Blank	Y_R (360.074 nm)	0.49	1.01 (Ratio)	979933.05
5/7/2019 20:19:41	Continuing Calibration Blank	Zn (213.857 nm)	80.81	0.0000 (ppm)	-6.0156
5/7/2019 20:23:00	Contract Required Detection Limit	Ag (328.068 nm)	1.54	0.0097 (ppm)	595.7525
5/7/2019 20:23:00	Contract Required Detection Limit	Al (394.401 nm)	0.34	0.1729 (ppm)	3255.7910
5/7/2019 20:23:00	Contract Required Detection Limit	As (188.980 nm)	4.63	0.0204 (ppm)	12.9260
5/7/2019 20:23:00	Contract Required Detection Limit	B (249.772 nm)	0.07	0.1828 (ppm)	7288.4083
5/7/2019 20:23:00	Contract Required Detection Limit	Ba (230.424 nm)	0.17	0.2131 (ppm)	9994.7447
5/7/2019 20:23:00	Contract Required Detection Limit	Be (313.107 nm)	0.06	0.0049 (ppm)	6231.4504
5/7/2019 20:23:00	Contract Required Detection Limit	Ca (227.547 nm)	3.36	0.9381 (ppm)	58.3624
5/7/2019 20:23:00	Contract Required Detection Limit	Cd (214.439 nm)	1.34	0.0098 (ppm)	203.3203
5/7/2019 20:23:00	Contract Required Detection Limit	Co (230.786 nm)	0.41	0.0520 (ppm)	650.3800
5/7/2019 20:23:00	Contract Required Detection Limit	Cr (267.716 nm)	1.61	0.0101 (ppm)	429.5830
5/7/2019 20:23:00	Contract Required Detection Limit	Cu (327.395 nm)	0.32	0.0243 (ppm)	1643.5500
5/7/2019 20:23:00	Contract Required Detection Limit	Fe (234.350 nm)	0.66	0.1051 (ppm)	1182.8276
5/7/2019 20:23:00	Contract Required Detection Limit	K (766.491 nm)	0.35	0.8971 (ppm)	3250.3859
5/7/2019 20:23:00	Contract Required Detection Limit	Mg (279.078 nm)	0.25	0.8820 (ppm)	2229.4885
5/7/2019 20:23:00	Contract Required Detection Limit	Mn (257.610 nm)	0.13	0.0157 (ppm)	4991.2497
5/7/2019 20:23:00	Contract Required Detection Limit	Mo (202.032 nm)	1.28	0.0253 (ppm)	150.9886
5/7/2019 20:23:00	Contract Required Detection Limit	Na (588.995 nm)	0.64	0.8673 (ppm)	39839.7365
5/7/2019 20:23:00	Contract Required Detection Limit	Ni (230.299 nm)	1.27	0.0416 (ppm)	400.0565
5/7/2019 20:23:00	Contract Required Detection Limit	Pb (220.353 nm)	6.09	0.0095 (ppm)	30.1456
5/7/2019 20:23:00	Contract Required Detection Limit	Sb (217.582 nm)	4.13	0.0576 (ppm)	66.6682
5/7/2019 20:23:00	Contract Required Detection Limit	Se (196.026 nm)	10.25	0.0123 R (ppm) 123.1	9.6222 R
5/7/2019 20:23:00	Contract Required Detection Limit	Sn (189.925 nm)	0.78	0.5024 (ppm)	350.9734
5/7/2019 20:23:00	Contract Required Detection Limit	Sr (216.596 nm)	0.98	0.1030 (ppm)	1038.5865
5/7/2019 20:23:00	Contract Required Detection Limit	Ti (336.122 nm)	0.11	0.0506 (ppm)	12578.1754
5/7/2019 20:23:00	Contract Required Detection Limit	Tl (351.923 nm)	6.10	0.0177 (ppm)	51.9983
5/7/2019 20:23:00	Contract Required Detection Limit	V (292.401 nm)	0.37	0.0503 (ppm)	1640.2313
5/7/2019 20:23:00	Contract Required Detection Limit	Y (360.074 nm)	0.45	1.01 (Ratio)	978767.66
5/7/2019 20:23:00	Contract Required Detection Limit	Y_R (360.074 nm)	0.45	1.01 (Ratio)	978767.66
5/7/2019 20:23:00	Contract Required Detection Limit	Zn (213.857 nm)	0.53	0.0198 (ppm)	661.1760
5/7/2019 20:26:20	Interference Check Solution A	Ag (328.068 nm)	40.49	0.0001 (ppm)	-123.0961
5/7/2019 20:26:20	Interference Check Solution A	Al (394.401 nm)	0.34	265.8823 o (ppm)	4548508.5478
5/7/2019 20:26:20	Interference Check Solution A	As (188.980 nm)	94.23	-0.0020 u (ppm)	-1.5020
5/7/2019 20:26:20	Interference Check Solution A	B (249.772 nm)	0.57	0.0446 (ppm)	1871.6674
5/7/2019 20:26:20	Interference Check Solution A	Ba (230.424 nm)	4.52	-0.0003 u (ppm)	29.3483
5/7/2019 20:26:20	Interference Check Solution A	Be (313.107 nm)	2.37	-0.0001 u (ppm)	-379.4327
5/7/2019 20:26:20	Interference Check Solution A	Ca (227.547 nm)	0.05	267.4312 o (ppm)	16382.8975
5/7/2019 20:26:20	Interference Check Solution A	Cd (214.439 nm)	11.92	-0.0007 u (ppm)	-9.1006
5/7/2019 20:26:20	Interference Check Solution A	Co (230.786 nm)	16.10	-0.0028 u (ppm)	-37.9377
5/7/2019 20:26:20	Interference Check Solution A	Cr (267.716 nm)	26.37	0.0004 (ppm)	35.0140
5/7/2019 20:26:20	Interference Check Solution A	Cu (327.395 nm)	27.24	-0.0004 u (ppm)	-3.4416
5/7/2019 20:26:20	Interference Check Solution A	Fe (234.350 nm)	0.46	91.2593 o (ppm)	984903.7306
5/7/2019 20:26:20	Interference Check Solution A	K (766.491 nm)	> 100.00	0.0057 u (ppm)	10.5880
5/7/2019 20:26:20	Interference Check Solution A	Mg (279.078 nm)	0.39	264.5166 o (ppm)	594263.4212

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:26:20	Interference Check Solution A	Mn (257.610 nm)	1.16	0.0018 (ppm)	635.9417
5/7/2019 20:26:20	Interference Check Solution A	Mo (202.032 nm)	55.84	-0.0004 u (ppm)	5.8282
5/7/2019 20:26:20	Interference Check Solution A	Na (588.995 nm)	5.31	-0.0310 u (ppm)	-8735.4260
5/7/2019 20:26:20	Interference Check Solution A	Ni (230.299 nm)	74.60	-0.0014 u (ppm)	-25.7258
5/7/2019 20:26:20	Interference Check Solution A	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	3.3543
5/7/2019 20:26:20	Interference Check Solution A	Sb (217.582 nm)	44.91	-0.0051 u (ppm)	-5.1816
5/7/2019 20:26:20	Interference Check Solution A	Se (196.026 nm)	81.31	-0.0077 u (ppm)	-0.0692
5/7/2019 20:26:20	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0007 u (ppm)	-0.3944
5/7/2019 20:26:20	Interference Check Solution A	Sr (216.596 nm)	2.11	0.0192 (ppm)	194.4868
5/7/2019 20:26:20	Interference Check Solution A	Ti (336.122 nm)	8.66	0.0011 (ppm)	315.2060
5/7/2019 20:26:20	Interference Check Solution A	Ti (351.923 nm)	25.95	0.0042 (ppm)	13.2296
5/7/2019 20:26:20	Interference Check Solution A	V (292.401 nm)	25.64	0.0016 (ppm)	99.6373
5/7/2019 20:26:20	Interference Check Solution A	Y (360.074 nm)	0.49	0.88 (Ratio)	857504.12
5/7/2019 20:26:20	Interference Check Solution A	Y_R (360.074 nm)	0.49	0.88 (Ratio)	857504.12
5/7/2019 20:26:20	Interference Check Solution A	Zn (213.857 nm)	0.08	0.0117 K (ppm)	387.3380 K
5/7/2019 20:29:40	Interference Check Solution AB	Ag (328.068 nm)	0.25	0.2127 (ppm)	15765.2452
5/7/2019 20:29:40	Interference Check Solution AB	Al (394.401 nm)	0.10	265.9442 o (ppm)	4549566.7630
5/7/2019 20:29:40	Interference Check Solution AB	As (188.980 nm)	1.24	0.0950 (ppm)	60.9627
5/7/2019 20:29:40	Interference Check Solution AB	B (249.772 nm)	0.49	0.0437 (ppm)	1837.8533
5/7/2019 20:29:40	Interference Check Solution AB	Ba (230.424 nm)	0.40	0.5297 (ppm)	24775.9644
5/7/2019 20:29:40	Interference Check Solution AB	Be (313.107 nm)	0.45	0.5034 (ppm)	671118.3441
5/7/2019 20:29:40	Interference Check Solution AB	Ca (227.547 nm)	0.26	267.3502 o (ppm)	16377.9396
5/7/2019 20:29:40	Interference Check Solution AB	Cd (214.439 nm)	0.51	0.9826 (ppm)	19847.1330
5/7/2019 20:29:40	Interference Check Solution AB	Co (230.786 nm)	0.30	0.4916 (ppm)	6172.2378
5/7/2019 20:29:40	Interference Check Solution AB	Cr (267.716 nm)	0.24	0.5028 (ppm)	20505.3131
5/7/2019 20:29:40	Interference Check Solution AB	Cu (327.395 nm)	0.43	0.5184 (ppm)	34489.8017
5/7/2019 20:29:40	Interference Check Solution AB	Fe (234.350 nm)	0.39	91.3947 o (ppm)	986364.6159
5/7/2019 20:29:40	Interference Check Solution AB	K (766.491 nm)	> 100.00	0.0064 u (ppm)	13.2649
5/7/2019 20:29:40	Interference Check Solution AB	Mg (279.078 nm)	0.39	265.1612 o (ppm)	595711.4309
5/7/2019 20:29:40	Interference Check Solution AB	Mn (257.610 nm)	0.25	0.4989 (ppm)	156431.2759
5/7/2019 20:29:40	Interference Check Solution AB	Mo (202.032 nm)	26.27	-0.0004 u (ppm)	5.9461
5/7/2019 20:29:40	Interference Check Solution AB	Na (588.995 nm)	5.41	-0.0349 u (ppm)	-8923.4012
5/7/2019 20:29:40	Interference Check Solution AB	Ni (230.299 nm)	0.58	0.9625 (ppm)	9534.9126
5/7/2019 20:29:40	Interference Check Solution AB	Pb (220.353 nm)	2.62	0.0471 (ppm)	135.3978
5/7/2019 20:29:40	Interference Check Solution AB	Sb (217.582 nm)	0.31	0.6069 (ppm)	704.2599
5/7/2019 20:29:40	Interference Check Solution AB	Se (196.026 nm)	6.55	0.0482 (ppm)	27.0206
5/7/2019 20:29:40	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.4380
5/7/2019 20:29:40	Interference Check Solution AB	Sr (216.596 nm)	2.33	0.0185 (ppm)	187.7441
5/7/2019 20:29:40	Interference Check Solution AB	Ti (336.122 nm)	4.10	0.0010 (ppm)	303.5588
5/7/2019 20:29:40	Interference Check Solution AB	Ti (351.923 nm)	0.83	0.1188 (ppm)	342.3863
5/7/2019 20:29:40	Interference Check Solution AB	V (292.401 nm)	0.18	0.5094 (ppm)	16157.8215
5/7/2019 20:29:40	Interference Check Solution AB	Y (360.074 nm)	0.32	0.88 (Ratio)	856332.70
5/7/2019 20:29:40	Interference Check Solution AB	Y_R (360.074 nm)	0.32	0.88 (Ratio)	856332.70
5/7/2019 20:29:40	Interference Check Solution AB	Zn (213.857 nm)	0.33	1.0268 (ppm)	34606.3701
5/7/2019 20:33:00	Continuing Calibration Verification	Ag (328.068 nm)	0.05	0.4938 (ppm)	36764.1222
5/7/2019 20:33:00	Continuing Calibration Verification	Al (394.401 nm)	0.16	9.6305 (ppm)	165038.6975
5/7/2019 20:33:00	Continuing Calibration Verification	As (188.980 nm)	0.54	0.9871 (ppm)	635.5356
5/7/2019 20:33:00	Continuing Calibration Verification	B (249.772 nm)	0.07	2.4465 (ppm)	96007.9246
5/7/2019 20:33:00	Continuing Calibration Verification	Ba (230.424 nm)	0.50	10.3838 (ppm)	484839.8396
5/7/2019 20:33:00	Continuing Calibration Verification	Be (313.107 nm)	0.40	0.2546 (ppm)	339304.6951
5/7/2019 20:33:00	Continuing Calibration Verification	Ca (227.547 nm)	0.17	24.0792 (ppm)	1475.9182

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:33:00	Continuing Calibration Verification	Cd (214.439 nm)	0.10	0.5048 (ppm)	10197.8857
5/7/2019 20:33:00	Continuing Calibration Verification	Co (230.786 nm)	0.12	2.6221 (ppm)	32934.3431
5/7/2019 20:33:00	Continuing Calibration Verification	Cr (267.716 nm)	0.23	0.5090 (ppm)	20757.0200
5/7/2019 20:33:00	Continuing Calibration Verification	Cu (327.395 nm)	0.22	1.2078 (ppm)	80320.6878
5/7/2019 20:33:00	Continuing Calibration Verification	Fe (234.350 nm)	0.05	4.9354 (ppm)	53309.9500
5/7/2019 20:33:00	Continuing Calibration Verification	K (766.491 nm)	0.21	24.1694 (ppm)	87831.1661
5/7/2019 20:33:00	Continuing Calibration Verification	Mg (279.078 nm)	0.15	25.0752 (ppm)	56355.1662
5/7/2019 20:33:00	Continuing Calibration Verification	Mn (257.610 nm)	0.10	0.7532 (ppm)	236113.9392
5/7/2019 20:33:00	Continuing Calibration Verification	Mo (202.032 nm)	0.37	2.4955 (ppm)	14091.0421
5/7/2019 20:33:00	Continuing Calibration Verification	Na (588.995 nm)	0.69	24.4187 (ppm)	1180996.3900
5/7/2019 20:33:00	Continuing Calibration Verification	Ni (230.299 nm)	0.14	2.0138 (ppm)	19963.3562
5/7/2019 20:33:00	Continuing Calibration Verification	Pb (220.353 nm)	0.35	0.5108 (ppm)	1430.5579
5/7/2019 20:33:00	Continuing Calibration Verification	Sb (217.582 nm)	0.24	4.8081 (ppm)	5580.7833
5/7/2019 20:33:00	Continuing Calibration Verification	Se (196.026 nm)	0.58	0.4837 (ppm)	237.9243
5/7/2019 20:33:00	Continuing Calibration Verification	Sn (189.925 nm)	0.76	5.0607 (ppm)	3543.0875
5/7/2019 20:33:00	Continuing Calibration Verification	Sr (216.596 nm)	0.24	2.5320 (ppm)	25504.9845
5/7/2019 20:33:00	Continuing Calibration Verification	Ti (336.122 nm)	0.08	2.5221 (ppm)	623841.2581
5/7/2019 20:33:00	Continuing Calibration Verification	Tl (351.923 nm)	0.04	1.0113 (ppm)	2904.9273
5/7/2019 20:33:00	Continuing Calibration Verification	V (292.401 nm)	0.09	2.5516 (ppm)	80738.0816
5/7/2019 20:33:00	Continuing Calibration Verification	Y (360.074 nm)	0.44	0.96 (Ratio)	934050.02
5/7/2019 20:33:00	Continuing Calibration Verification	Y_R (360.074 nm)	0.44	0.96 (Ratio)	934050.02
5/7/2019 20:33:00	Continuing Calibration Verification	Zn (213.857 nm)	0.10	0.9860 (ppm)	33230.1539
5/7/2019 20:36:18	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-130.5842
5/7/2019 20:36:18	Continuing Calibration Blank	Al (394.401 nm)	10.04	0.0018 (ppm)	329.7126
5/7/2019 20:36:18	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.6150
5/7/2019 20:36:18	Continuing Calibration Blank	B (249.772 nm)	17.13	-0.0007 u (ppm)	95.4497
5/7/2019 20:36:18	Continuing Calibration Blank	Ba (230.424 nm)	41.75	0.0006 (ppm)	71.1722
5/7/2019 20:36:18	Continuing Calibration Blank	Be (313.107 nm)	17.48	0.0000 (ppm)	-253.5882
5/7/2019 20:36:18	Continuing Calibration Blank	Ce (227.547 nm)	> 100.00	0.0225 u (ppm)	2.2810
5/7/2019 20:36:18	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	6.8264
5/7/2019 20:36:18	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.4576
5/7/2019 20:36:18	Continuing Calibration Blank	Cr (267.716 nm)	77.94	-0.0001 u (ppm)	12.6066
5/7/2019 20:36:18	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	17.9005
5/7/2019 20:36:18	Continuing Calibration Blank	Fe (234.350 nm)	17.66	0.0038 (ppm)	89.0933
5/7/2019 20:36:18	Continuing Calibration Blank	K (766.491 nm)	97.75	0.0035 (ppm)	2.4226
5/7/2019 20:36:18	Continuing Calibration Blank	Mg (279.078 nm)	40.20	0.0042 (ppm)	32.8774
5/7/2019 20:36:18	Continuing Calibration Blank	Mn (257.610 nm)	71.24	0.0000 u (ppm)	56.5068
5/7/2019 20:36:18	Continuing Calibration Blank	Mo (202.032 nm)	26.95	0.0029 (ppm)	24.6604
5/7/2019 20:36:18	Continuing Calibration Blank	Na (588.995 nm)	7.42	-0.0177 u (ppm)	-8087.7808
5/7/2019 20:36:18	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 u (ppm)	-10.6089
5/7/2019 20:36:18	Continuing Calibration Blank	Pb (220.353 nm)	22.29	0.0004 (ppm)	4.8458
5/7/2019 20:36:18	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	1.1875
5/7/2019 20:36:18	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0002 u (ppm)	3.7671
5/7/2019 20:36:18	Continuing Calibration Blank	Sn (189.925 nm)	83.29	0.0020 (ppm)	0.5653
5/7/2019 20:36:18	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	-0.0001 u (ppm)	0.0093
5/7/2019 20:36:18	Continuing Calibration Blank	Ti (336.122 nm)	36.00	0.0008 (ppm)	245.3162
5/7/2019 20:36:18	Continuing Calibration Blank	Tl (351.923 nm)	89.11	-0.0015 u (ppm)	-3.1067
5/7/2019 20:36:18	Continuing Calibration Blank	V (292.401 nm)	61.02	0.0003 (ppm)	59.7661
5/7/2019 20:36:18	Continuing Calibration Blank	Y (360.074 nm)	0.43	1.01 (Ratio)	981820.87
5/7/2019 20:36:18	Continuing Calibration Blank	Y_R (360.074 nm)	0.43	1.01 (Ratio)	981820.87
5/7/2019 20:36:18	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0001 u (ppm)	-4.6009

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:39:37	PBW-336055	Ag (328.068 nm)	59.14	-0.0001 u (ppm)	-135.4957
5/7/2019 20:39:37	PBW-336055	Al (394.401 nm)	49.80	-0.0035 u (ppm)	239.1504
5/7/2019 20:39:37	PBW-336055	As (188.980 nm)	72.54	0.0014 (ppm)	0.7268
5/7/2019 20:39:37	PBW-336055	B (249.772 nm)	0.46	-0.0014 u (ppm)	66.4574
5/7/2019 20:39:37	PBW-336055	Ba (230.424 nm)	15.39	-0.0005 u (ppm)	18.5962
5/7/2019 20:39:37	PBW-336055	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-304.5092
5/7/2019 20:39:37	PBW-336055	Ca (227.547 nm)	38.39	0.0541 (ppm)	4.2156
5/7/2019 20:39:37	PBW-336055	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.4613
5/7/2019 20:39:37	PBW-336055	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.9484
5/7/2019 20:39:37	PBW-336055	Cr (267.716 nm)	9.59	-0.0003 u (ppm)	7.3565
5/7/2019 20:39:37	PBW-336055	Cu (327.395 nm)	8.57	-0.0002 u (ppm)	9.6249
5/7/2019 20:39:37	PBW-336055	Fe (234.350 nm)	> 100.00	-0.0004 u (ppm)	43.9785
5/7/2019 20:39:37	PBW-336055	K (766.491 nm)	63.75	-0.0063 u (ppm)	-33.0920
5/7/2019 20:39:37	PBW-336055	Mg (279.078 nm)	56.63	-0.0039 u (ppm)	14.7946
5/7/2019 20:39:37	PBW-336055	Mn (257.610 nm)	22.93	-0.0001 u (ppm)	38.1555
5/7/2019 20:39:37	PBW-336055	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	6.7252
5/7/2019 20:39:37	PBW-336055	Na (588.995 nm)	2.91	-0.0118 u (ppm)	-7801.5264
5/7/2019 20:39:37	PBW-336055	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.5542
5/7/2019 20:39:37	PBW-336055	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	3.0289
5/7/2019 20:39:37	PBW-336055	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-0.1092
5/7/2019 20:39:37	PBW-336055	Se (196.026 nm)	> 100.00	0.0008 u (ppm)	4.0242
5/7/2019 20:39:37	PBW-336055	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.8426
5/7/2019 20:39:37	PBW-336055	Sr (216.596 nm)	57.91	-0.0002 u (ppm)	-1.1342
5/7/2019 20:39:37	PBW-336055	Ti (336.122 nm)	27.11	-0.0001 u (ppm)	24.7387
5/7/2019 20:39:37	PBW-336055	Tl (351.923 nm)	> 100.00	-0.0009 u (ppm)	-1.2036
5/7/2019 20:39:37	PBW-336055	V (282.401 nm)	21.73	-0.0004 u (ppm)	37.4240
5/7/2019 20:39:37	PBW-336055	Y (360.074 nm)	0.16	1.02 (Ratio)	995641.85
5/7/2019 20:39:37	PBW-336055	Y_R (360.074 nm)	0.16	1.02 (Ratio)	995641.85
5/7/2019 20:39:37	PBW-336055	Zn (213.857 nm)	45.34	0.0001 (ppm)	-2.4504
5/7/2019 20:42:56	LCSW-336055	Ag (328.068 nm)	0.23	0.0504 (ppm)	3633.7130
5/7/2019 20:42:56	LCSW-336055	Al (394.401 nm)	0.21	1.8994 (ppm)	32790.1587
5/7/2019 20:42:56	LCSW-336055	As (188.980 nm)	1.93	0.0374 (ppm)	23.9204
5/7/2019 20:42:56	LCSW-336055	B (249.772 nm)	0.27	1.0148 (ppm)	39897.1616
5/7/2019 20:42:56	LCSW-336055	Ba (230.424 nm)	0.26	2.1280 (ppm)	99395.2692
5/7/2019 20:42:56	LCSW-336055	Be (313.107 nm)	0.19	0.0512 (ppm)	68008.4832
5/7/2019 20:42:56	LCSW-336055	Ca (227.547 nm)	0.81	1.9306 (ppm)	119.1621
5/7/2019 20:42:56	LCSW-336055	Cd (214.439 nm)	0.56	0.0530 (ppm)	1075.8443
5/7/2019 20:42:56	LCSW-336055	Co (230.786 nm)	0.35	0.5308 (ppm)	6664.7236
5/7/2019 20:42:56	LCSW-336055	Cr (267.716 nm)	0.36	0.2079 (ppm)	8487.5098
5/7/2019 20:42:56	LCSW-336055	Cu (327.395 nm)	0.44	0.2477 (ppm)	16489.4813
5/7/2019 20:42:56	LCSW-336055	Fe (234.350 nm)	0.24	1.0037 (ppm)	10880.0261
5/7/2019 20:42:56	LCSW-336055	K (766.491 nm)	0.23	19.1626 (ppm)	69634.1603
5/7/2019 20:42:56	LCSW-336055	Mg (279.078 nm)	0.10	2.0475 (ppm)	4623.1999
5/7/2019 20:42:56	LCSW-336055	Mn (257.610 nm)	0.30	0.5120 (ppm)	160514.0600
5/7/2019 20:42:56	LCSW-336055	Mo (202.032 nm)	0.43	0.5060 (ppm)	2863.7028
5/7/2019 20:42:56	LCSW-336055	Na (588.995 nm)	0.28	19.5406 (ppm)	943626.4720
5/7/2019 20:42:56	LCSW-336055	Ni (230.299 nm)	0.30	0.5204 (ppm)	5149.9785
5/7/2019 20:42:56	LCSW-336055	Pb (220.353 nm)	0.40	0.5365 (ppm)	1502.3477
5/7/2019 20:42:56	LCSW-336055	Sb (217.582 nm)	0.78	0.4831 (ppm)	560.5799
5/7/2019 20:42:56	LCSW-336055	Se (196.026 nm)	0.92	1.0589 (ppm)	516.5622
5/7/2019 20:42:56	LCSW-336055	Sn (189.925 nm)	0.54	5.1545 (ppm)	3608.7286

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:42:56	LCSW-336055	Sr (216.596 nm)	0.30	2.1089 (ppm)	21243.5332
5/7/2019 20:42:56	LCSW-336055	Ti (336.122 nm)	0.24	0.5121 (ppm)	126714.1935
5/7/2019 20:42:56	LCSW-336055	Ti (351.923 nm)	0.18	1.9752 (ppm)	5672.6517
5/7/2019 20:42:56	LCSW-336055	V (292.401 nm)	0.28	0.5052 (ppm)	16025.0904
5/7/2019 20:42:56	LCSW-336055	Y (360.074 nm)	0.31	0.99 (Ratio)	964793.16
5/7/2019 20:42:56	LCSW-336055	Y_R (360.074 nm)	0.31	0.99 (Ratio)	964793.16
5/7/2019 20:42:56	LCSW-336055	Zn (213.857 nm)	0.19	0.5163 (ppm)	17397.8546
5/7/2019 20:46:16	DLCSW-336055	Ag (328.068 nm)	0.51	0.0503 (ppm)	3628.0894
5/7/2019 20:46:16	DLCSW-336055	Al (394.401 nm)	0.27	1.8888 (ppm)	32609.2588
5/7/2019 20:46:16	DLCSW-336055	As (188.980 nm)	3.63	0.0385 (ppm)	24.5917
5/7/2019 20:46:16	DLCSW-336055	B (249.772 nm)	0.25	1.0107 (ppm)	39737.0456
5/7/2019 20:46:16	DLCSW-336055	Be (230.424 nm)	0.70	2.1193 (ppm)	98990.9115
5/7/2019 20:46:16	DLCSW-336055	Be (313.107 nm)	0.26	0.0509 (ppm)	67642.7244
5/7/2019 20:46:16	DLCSW-336055	Ca (227.547 nm)	1.36	1.9398 (ppm)	119.7275
5/7/2019 20:46:16	DLCSW-336055	Cd (214.439 nm)	0.32	0.0528 (ppm)	1070.3805
5/7/2019 20:46:16	DLCSW-336055	Co (230.786 nm)	0.32	0.5291 (ppm)	6643.9127
5/7/2019 20:46:16	DLCSW-336055	Cr (267.716 nm)	0.37	0.2072 (ppm)	8461.5492
5/7/2019 20:46:16	DLCSW-336055	Cu (327.395 nm)	0.35	0.2463 (ppm)	16400.2233
5/7/2019 20:46:16	DLCSW-336055	Fe (234.350 nm)	0.27	1.0003 (ppm)	10842.8006
5/7/2019 20:46:16	DLCSW-336055	K (766.491 nm)	0.15	19.0884 (ppm)	69364.5796
5/7/2019 20:46:16	DLCSW-336055	Mg (279.078 nm)	0.19	2.0376 (ppm)	4601.0238
5/7/2019 20:46:16	DLCSW-336055	Mn (257.610 nm)	0.24	0.5102 (ppm)	159945.4640
5/7/2019 20:46:16	DLCSW-336055	Mo (202.032 nm)	0.66	0.5055 (ppm)	2861.1231
5/7/2019 20:46:16	DLCSW-336055	Na (588.895 nm)	0.38	19.5420 (ppm)	943693.3035
5/7/2019 20:46:16	DLCSW-336055	Ni (230.299 nm)	0.36	0.5185 (ppm)	5130.6953
5/7/2019 20:46:16	DLCSW-336055	Pb (220.353 nm)	0.27	0.5310 (ppm)	1486.9463
5/7/2019 20:46:16	DLCSW-336055	Sb (217.582 nm)	0.43	0.4808 (ppm)	557.9012
5/7/2019 20:46:16	DLCSW-336055	Se (196.026 nm)	0.36	1.0512 (ppm)	512.8055
5/7/2019 20:46:16	DLCSW-336055	Sn (189.925 nm)	0.84	5.1150 (ppm)	3581.0657
5/7/2019 20:46:16	DLCSW-336055	Sr (216.596 nm)	0.28	2.1033 (ppm)	21187.2528
5/7/2019 20:46:16	DLCSW-336055	Ti (336.122 nm)	0.20	0.5116 (ppm)	126597.4077
5/7/2019 20:46:16	DLCSW-336055	Ti (351.923 nm)	0.13	1.9667 (ppm)	5648.1234
5/7/2019 20:46:16	DLCSW-336055	V (292.401 nm)	0.25	0.5036 (ppm)	15974.8513
5/7/2019 20:46:16	DLCSW-336055	Y (360.074 nm)	0.24	0.99 (Ratio)	967888.35
5/7/2019 20:46:16	DLCSW-336055	Y_R (360.074 nm)	0.24	0.99 (Ratio)	967888.35
5/7/2019 20:46:16	DLCSW-336055	Zn (213.857 nm)	0.36	0.5141 (ppm)	17321.8442
5/7/2019 20:49:36	LOD	Ag (328.068 nm)	1.83	0.0051 (ppm)	250.8917
5/7/2019 20:49:36	LOD	Al (394.401 nm)	0.32	0.1769 (ppm)	3324.3511
5/7/2019 20:49:36	LOD	As (188.980 nm)	45.57	0.0074 (ppm)	4.6030
5/7/2019 20:49:36	LOD	B (249.772 nm)	0.75	0.1946 (ppm)	7749.3389
5/7/2019 20:49:36	LOD	Ba (230.424 nm)	1.15	0.0211 (ppm)	1029.3365
5/7/2019 20:49:36	LOD	Be (313.107 nm)	0.81	0.0026 (ppm)	3131.7323
5/7/2019 20:49:36	LOD	Ca (227.547 nm)	7.05	0.4937 (ppm)	31.1407
5/7/2019 20:49:36	LOD	Cd (214.439 nm)	1.15	0.0026 (ppm)	57.2315
5/7/2019 20:49:36	LOD	Co (230.786 nm)	1.52	0.0269 (ppm)	335.8735
5/7/2019 20:49:36	LOD	Cr (267.716 nm)	0.40	0.0057 (ppm)	249.6288
5/7/2019 20:49:36	LOD	Cu (327.395 nm)	1.01	0.0100 (ppm)	693.0228
5/7/2019 20:49:36	LOD	Fe (234.350 nm)	0.95	0.1024 (ppm)	1153.2411
5/7/2019 20:49:36	LOD	K (766.491 nm)	0.78	0.9313 (ppm)	3374.4324
5/7/2019 20:49:36	LOD	Mg (279.078 nm)	1.23	0.5104 (ppm)	1170.0911
5/7/2019 20:49:36	LOD	Mn (257.610 nm)	0.75	0.0110 (ppm)	3504.1413

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:49:36	LOD	Mo (202.032 nm)	3.05	0.0133 (ppm)	83.6372
5/7/2019 20:49:36	LOD	Na (588.995 nm)	0.93	0.5081 (ppm)	17496.6904
5/7/2019 20:49:36	LOD	Ni (230.299 nm)	1.86	0.0214 (ppm)	200.2137
5/7/2019 20:49:36	LOD	Pb (220.353 nm)	5.08	0.0060 (ppm)	20.3999
5/7/2019 20:49:36	LOD	Sb (217.582 nm)	8.04	0.0308 (ppm)	35.5821
5/7/2019 20:49:36	LOD	Se (196.026 nm)	38.67	0.0079 (ppm)	7.4976
5/7/2019 20:49:36	LOD	Sn (189.925 nm)	2.37	0.2593 (ppm)	180.7201
5/7/2019 20:49:36	LOD	Sr (216.596 nm)	1.36	0.0532 (ppm)	536.4294
5/7/2019 20:49:36	LOD	Ti (336.122 nm)	1.14	0.0256 (ppm)	6382.5572
5/7/2019 20:49:36	LOD	Tl (351.923 nm)	36.74	0.0083 (ppm)	25.1998
5/7/2019 20:49:36	LOD	V (292.401 nm)	1.13	0.0255 (ppm)	855.0445
5/7/2019 20:49:36	LOD	Y (360.074 nm)	1.19	1.01 (Ratio)	985114.59
5/7/2019 20:49:36	LOD	Y_R (360.074 nm)	1.19	1.01 (Ratio)	985114.59
5/7/2019 20:49:36	LOD	Zn (213.857 nm)	1.10	0.0203 (ppm)	678.2276
5/7/2019 20:52:58	LOQ	Ag (328.068 nm)	0.44	0.0103 (ppm)	637.3638
5/7/2019 20:52:58	LOQ	Al (394.401 nm)	0.20	0.3604 (ppm)	6464.4088
5/7/2019 20:52:58	LOQ	As (188.980 nm)	12.34	0.0089 (ppm)	5.5289
5/7/2019 20:52:58	LOQ	B (249.772 nm)	0.08	0.3911 (ppm)	15451.5362
5/7/2019 20:52:58	LOQ	Ba (230.424 nm)	0.12	0.0426 (ppm)	2032.0434
5/7/2019 20:52:58	LOQ	Be (313.107 nm)	0.05	0.0052 (ppm)	6652.8844
5/7/2019 20:52:58	LOQ	Ca (227.547 nm)	5.31	0.9698 (ppm)	60.3044
5/7/2019 20:52:58	LOQ	Cd (214.439 nm)	1.49	0.0053 (ppm)	112.0079
5/7/2019 20:52:58	LOQ	Co (230.786 nm)	0.26	0.0535 (ppm)	669.5334
5/7/2019 20:52:58	LOQ	Cr (267.716 nm)	0.42	0.0117 (ppm)	492.6515
5/7/2019 20:52:58	LOQ	Cu (327.395 nm)	0.93	0.0202 (ppm)	1366.4113
5/7/2019 20:52:58	LOQ	Fe (234.350 nm)	0.28	0.2070 (ppm)	2282.5730
5/7/2019 20:52:58	LOQ	K (766.491 nm)	0.72	1.8316 (ppm)	6646.5099
5/7/2019 20:52:58	LOQ	Mg (279.078 nm)	0.32	1.0184 (ppm)	2311.3588
5/7/2019 20:52:58	LOQ	Mn (257.610 nm)	0.20	0.0219 (ppm)	6940.7134
5/7/2019 20:52:58	LOQ	Mo (202.032 nm)	0.71	0.0245 (ppm)	146.6614
5/7/2019 20:52:58	LOQ	Na (588.995 nm)	0.61	1.0178 (ppm)	42297.9339
5/7/2019 20:52:58	LOQ	Ni (230.299 nm)	1.67	0.0421 (ppm)	405.0664
5/7/2019 20:52:58	LOQ	Pb (220.353 nm)	6.25	0.0104 (ppm)	32.7620
5/7/2019 20:52:58	LOQ	Sb (217.582 nm)	2.95	0.0620 (ppm)	71.7992
5/7/2019 20:52:58	LOQ	Se (196.026 nm)	59.81	0.0105 (ppm)	8.7569
5/7/2019 20:52:58	LOQ	Sn (189.925 nm)	0.72	0.5133 (ppm)	358.5974
5/7/2019 20:52:58	LOQ	Sr (216.596 nm)	0.93	0.1052 (ppm)	1060.8131
5/7/2019 20:52:58	LOQ	Ti (336.122 nm)	0.14	0.0507 (ppm)	12587.5311
5/7/2019 20:52:58	LOQ	Tl (351.923 nm)	17.01	0.0192 (ppm)	56.4933
5/7/2019 20:52:58	LOQ	V (292.401 nm)	0.19	0.0511 (ppm)	1664.4257
5/7/2019 20:52:58	LOQ	Y (360.074 nm)	0.38	1.02 (Ratio)	988344.71
5/7/2019 20:52:58	LOQ	Y_R (360.074 nm)	0.38	1.02 (Ratio)	988344.71
5/7/2019 20:52:58	LOQ	Zn (213.857 nm)	0.27	0.0401 (ppm)	1344.8182
5/7/2019 20:56:18	R1903833-001	Ag (328.068 nm)	50.36	-0.0001 u (ppm)	-138.5570
5/7/2019 20:56:18	R1903833-001	Al (394.401 nm)	2.19	0.0194 (ppm)	630.5399
5/7/2019 20:56:18	R1903833-001	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-0.4674
5/7/2019 20:56:18	R1903833-001	B (249.772 nm)	0.69	0.0284 (ppm)	1237.4342
5/7/2019 20:56:18	R1903833-001	Ba (230.424 nm)	0.51	0.0624 (ppm)	2959.4330
5/7/2019 20:56:18	R1903833-001	Be (313.107 nm)	34.39	0.0000 u (ppm)	-311.5327
5/7/2019 20:56:18	R1903833-001	Ca (227.547 nm)	0.21	46.0322 (ppm)	2820.6863
5/7/2019 20:56:18	R1903833-001	Cd (214.439 nm)	18.60	-0.0002 u (ppm)	0.8018

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 20:56:18	R1903833-001	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	0.2499
5/7/2019 20:56:18	R1903833-001	Cr (267.716 nm)	13.24	0.0010 (ppm)	59.8755
5/7/2019 20:56:18	R1903833-001	Cu (327.395 nm)	24.85	0.0004 (ppm)	54.1325
5/7/2019 20:56:18	R1903833-001	Fe (234.350 nm)	0.93	0.0229 (ppm)	295.7483
5/7/2019 20:56:18	R1903833-001	K (766.491 nm)	0.09	3.9185 (ppm)	14231.0975
5/7/2019 20:56:18	R1903833-001	Mg (279.078 nm)	0.12	15.2234 (ppm)	34223.1828
5/7/2019 20:56:18	R1903833-001	Mn (257.610 nm)	0.32	0.0269 (ppm)	8503.1857
5/7/2019 20:56:18	R1903833-001	Mo (202.032 nm)	31.06	0.0017 (ppm)	17.8143
5/7/2019 20:56:18	R1903833-001	Na (588.995 nm)	0.46	17.1243 (ppm)	826050.6474
5/7/2019 20:56:18	R1903833-001	Ni (230.299 nm)	3.73	-0.0053 u (ppm)	-65.3546
5/7/2019 20:56:18	R1903833-001	Pb (220.353 nm)	28.19	-0.0014 u (ppm)	-0.1489
5/7/2019 20:56:18	R1903833-001	Sb (217.582 nm)	87.08	-0.0028 u (ppm)	-3.4021
5/7/2019 20:56:18	R1903833-001	Se (196.026 nm)	46.20	-0.0061 u (ppm)	0.6932
5/7/2019 20:56:18	R1903833-001	Sn (189.925 nm)	> 100.00	-0.0015 u (ppm)	-1.8725
5/7/2019 20:56:18	R1903833-001	Sr (216.596 nm)	0.16	0.4100 (ppm)	4130.4810
5/7/2019 20:56:18	R1903833-001	Tl (336.122 nm)	> 100.00	0.0001 u (ppm)	65.3352
5/7/2019 20:56:18	R1903833-001	Tl (351.923 nm)	40.79	0.0023 (ppm)	7.8194
5/7/2019 20:56:18	R1903833-001	V (292.401 nm)	24.45	-0.0005 u (ppm)	35.1035
5/7/2019 20:56:18	R1903833-001	Y (360.074 nm)	0.24	0.98 (Ratio)	955156.63
5/7/2019 20:56:18	R1903833-001	Y_R (360.074 nm)	0.24	0.98 (Ratio)	955156.63
5/7/2019 20:56:18	R1903833-001	Zn (213.857 nm)	1.91	0.0012 (ppm)	34.5974
5/7/2019 20:59:37	R1903833-002	Ag (328.068 nm)	27.98	-0.0002 u (ppm)	-146.1894
5/7/2019 20:59:37	R1903833-002	Al (394.401 nm)	0.53	0.3168 (ppm)	5718.5175
5/7/2019 20:59:37	R1903833-002	As (188.980 nm)	> 100.00	0.0010 u (ppm)	0.4662
5/7/2019 20:59:37	R1903833-002	B (249.772 nm)	0.29	0.0680 (ppm)	2787.2667
5/7/2019 20:59:37	R1903833-002	Ba (230.424 nm)	0.66	0.0286 (ppm)	1378.1528
5/7/2019 20:59:37	R1903833-002	Be (313.107 nm)	33.46	0.0000 u (ppm)	-313.0620
5/7/2019 20:59:37	R1903833-002	Ca (227.547 nm)	0.24	55.3722 o (ppm)	3392.8270
5/7/2019 20:59:37	R1903833-002	Cd (214.439 nm)	39.59	-0.0002 u (ppm)	1.2192
5/7/2019 20:59:37	R1903833-002	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.0694
5/7/2019 20:59:37	R1903833-002	Cr (267.716 nm)	1.66	0.0024 (ppm)	115.4079
5/7/2019 20:59:37	R1903833-002	Cu (327.395 nm)	20.52	0.0007 (ppm)	73.3441
5/7/2019 20:59:37	R1903833-002	Fe (234.350 nm)	0.23	0.3946 (ppm)	4306.6680
5/7/2019 20:59:37	R1903833-002	K (766.491 nm)	0.17	4.5002 (ppm)	16345.4256
5/7/2019 20:59:37	R1903833-002	Mg (279.078 nm)	0.12	25.7092 (ppm)	57779.5445
5/7/2019 20:59:37	R1903833-002	Mn (257.610 nm)	0.06	0.0603 (ppm)	18950.9740
5/7/2019 20:59:37	R1903833-002	Mo (202.032 nm)	4.08	0.0065 (ppm)	45.1673
5/7/2019 20:59:37	R1903833-002	Na (588.995 nm)	0.17	31.2017 (ppm)	1511060.7837
5/7/2019 20:59:37	R1903833-002	Ni (230.299 nm)	14.21	-0.0073 u (ppm)	-84.6528
5/7/2019 20:59:37	R1903833-002	Pb (220.353 nm)	82.93	-0.0012 u (ppm)	0.5135
5/7/2019 20:59:37	R1903833-002	Sb (217.582 nm)	> 100.00	0.0002 u (ppm)	0.0155
5/7/2019 20:59:37	R1903833-002	Se (196.026 nm)	17.97	-0.0037 u (ppm)	1.8669
5/7/2019 20:59:37	R1903833-002	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.5867
5/7/2019 20:59:37	R1903833-002	Sr (216.596 nm)	0.13	0.1303 (ppm)	1313.9449
5/7/2019 20:59:37	R1903833-002	Tl (336.122 nm)	8.95	0.0049 (ppm)	1271.3088
5/7/2019 20:59:37	R1903833-002	Tl (351.923 nm)	> 100.00	0.0012 u (ppm)	4.7357
5/7/2019 20:59:37	R1903833-002	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	45.6180
5/7/2019 20:59:37	R1903833-002	Y (360.074 nm)	0.42	0.97 (Ratio)	944114.96
5/7/2019 20:59:37	R1903833-002	Y_R (360.074 nm)	0.42	0.97 (Ratio)	944114.96
5/7/2019 20:59:37	R1903833-002	Zn (213.857 nm)	1.69	0.0032 (ppm)	101.0093
5/7/2019 21:02:57	R1903833-003	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-135.6625

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:02:57	R1903833-003	Al (394.401 nm)	0.39	0.0588 (ppm)	1321.4012
5/7/2019 21:02:57	R1903833-003	As (188.980 nm)	> 100.00	-0.0006 u (ppm)	-0.5554
5/7/2019 21:02:57	R1903833-003	B (249.772 nm)	1.79	0.0098 (ppm)	508.4080
5/7/2019 21:02:57	R1903833-003	Ba (230.424 nm)	0.82	0.0356 (ppm)	1705.8633
5/7/2019 21:02:57	R1903833-003	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.4159
5/7/2019 21:02:57	R1903833-003	Ce (227.547 nm)	0.54	19.1135 (ppm)	1171.7309
5/7/2019 21:02:57	R1903833-003	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.4180
5/7/2019 21:02:57	R1903833-003	Co (230.786 nm)	32.92	-0.0003 u (ppm)	-5.7680
5/7/2019 21:02:57	R1903833-003	Cr (267.716 nm)	8.15	0.0007 (ppm)	47.9146
5/7/2019 21:02:57	R1903833-003	Cu (327.395 nm)	2.49	0.0021 (ppm)	163.2815
5/7/2019 21:02:57	R1903833-003	Fe (234.350 nm)	1.09	0.0366 (ppm)	443.6469
5/7/2019 21:02:57	R1903833-003	K (766.491 nm)	0.35	1.3381 (ppm)	4853.0252
5/7/2019 21:02:57	R1903833-003	Mg (279.078 nm)	0.32	7.3240 (ppm)	16476.9316
5/7/2019 21:02:57	R1903833-003	Mn (257.610 nm)	0.89	0.0044 (ppm)	1436.5209
5/7/2019 21:02:57	R1903833-003	Mo (202.032 nm)	12.11	-0.0013 u (ppm)	0.9631
5/7/2019 21:02:57	R1903833-003	Na (588.995 nm)	0.25	48.8600 (ppm)	2370323.9145
5/7/2019 21:02:57	R1903833-003	Ni (230.299 nm)	13.88	-0.0023 u (ppm)	-35.0405
5/7/2019 21:02:57	R1903833-003	Pb (220.353 nm)	> 100.00	-0.0006 u (ppm)	2.1736
5/7/2019 21:02:57	R1903833-003	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-0.1873
5/7/2019 21:02:57	R1903833-003	Se (196.026 nm)	44.05	-0.0059 u (ppm)	0.8176
5/7/2019 21:02:57	R1903833-003	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4200
5/7/2019 21:02:57	R1903833-003	Sr (216.596 nm)	1.50	0.0538 (ppm)	542.8190
5/7/2019 21:02:57	R1903833-003	Ti (336.122 nm)	69.20	0.0001 (ppm)	85.3605
5/7/2019 21:02:57	R1903833-003	Tl (351.923 nm)	> 100.00	-0.0001 u (ppm)	0.8726
5/7/2019 21:02:57	R1903833-003	V (292.401 nm)	32.89	-0.0004 u (ppm)	38.1217
5/7/2019 21:02:57	R1903833-003	Y (360.074 nm)	0.15	0.88 (Ratio)	952496.42
5/7/2019 21:02:57	R1903833-003	Y_R (360.074 nm)	0.15	0.88 (Ratio)	952496.42
5/7/2019 21:02:57	R1903833-003	Zn (213.857 nm)	3.65	0.0013 (ppm)	36.3034
5/7/2019 21:06:17	R1903833-004	Ag (328.068 nm)	24.73	-0.0002 u (ppm)	-147.7959
5/7/2019 21:06:17	R1903833-004	Al (394.401 nm)	0.74	0.0531 (ppm)	1206.5151
5/7/2019 21:06:17	R1903833-004	As (188.980 nm)	> 100.00	-0.0003 u (ppm)	-0.3628
5/7/2019 21:06:17	R1903833-004	B (249.772 nm)	2.18	0.0100 (ppm)	513.8186
5/7/2019 21:06:17	R1903833-004	Ba (230.424 nm)	0.43	0.0356 (ppm)	1705.1344
5/7/2019 21:06:17	R1903833-004	Be (313.107 nm)	23.39	0.0000 u (ppm)	-306.4982
5/7/2019 21:06:17	R1903833-004	Ce (227.547 nm)	0.20	19.2320 (ppm)	1178.9921
5/7/2019 21:06:17	R1903833-004	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	2.3977
5/7/2019 21:06:17	R1903833-004	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.6690
5/7/2019 21:06:17	R1903833-004	Cr (267.716 nm)	16.96	0.0005 (ppm)	38.1478
5/7/2019 21:06:17	R1903833-004	Cu (327.395 nm)	7.64	0.0020 (ppm)	157.6136
5/7/2019 21:06:17	R1903833-004	Fe (234.350 nm)	0.33	0.0291 (ppm)	362.3692
5/7/2019 21:06:17	R1903833-004	K (766.491 nm)	0.28	1.3496 (ppm)	4894.8443
5/7/2019 21:06:17	R1903833-004	Mg (279.078 nm)	0.28	7.3582 (ppm)	16553.7801
5/7/2019 21:06:17	R1903833-004	Mn (257.610 nm)	0.49	0.0043 (ppm)	1418.4541
5/7/2019 21:06:17	R1903833-004	Mo (202.032 nm)	22.14	-0.0011 u (ppm)	2.0384
5/7/2019 21:06:17	R1903833-004	Na (588.995 nm)	0.13	49.3049 (ppm)	2391972.0779
5/7/2019 21:06:17	R1903833-004	Ni (230.299 nm)	10.94	-0.0030 u (ppm)	-42.4366
5/7/2019 21:06:17	R1903833-004	Pb (220.353 nm)	88.88	-0.0015 u (ppm)	-0.4029
5/7/2019 21:06:17	R1903833-004	Sb (217.582 nm)	> 100.00	0.0006 u (ppm)	0.5457
5/7/2019 21:06:17	R1903833-004	Se (196.026 nm)	48.36	-0.0081 u (ppm)	-0.2818
5/7/2019 21:06:17	R1903833-004	Sn (189.925 nm)	> 100.00	-0.0004 u (ppm)	-1.1135
5/7/2019 21:06:17	R1903833-004	Sr (216.596 nm)	0.68	0.0537 (ppm)	541.7396

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:06:17	R1903833-004	Ti (336.122 nm)	47.10	0.0000 u (ppm)	39.7437
5/7/2019 21:06:17	R1903833-004	Ti (351.923 nm)	> 100.00	0.0007 u (ppm)	3.2300
5/7/2019 21:06:17	R1903833-004	V (292.401 nm)	28.02	-0.0005 u (ppm)	32.1117
5/7/2019 21:06:17	R1903833-004	Y (360.074 nm)	0.12	0.98 (Ratio)	955625.92
5/7/2019 21:06:17	R1903833-004	Y_R (360.074 nm)	0.12	0.98 (Ratio)	955625.92
5/7/2019 21:06:17	R1903833-004	Zn (213.857 nm)	4.04	0.0012 (ppm)	33.8602
5/7/2019 21:09:37	R1903833-005	Ag (328.068 nm)	20.68	-0.0001 u (ppm)	-140.4827
5/7/2019 21:09:37	R1903833-005	Al (394.401 nm)	0.76	0.0250 (ppm)	726.2839
5/7/2019 21:09:37	R1903833-005	As (188.980 nm)	36.47	-0.0021 u (ppm)	-1.5254
5/7/2019 21:09:37	R1903833-005	B (249.772 nm)	0.50	0.0141 (ppm)	675.4725
5/7/2019 21:09:37	R1903833-005	Ba (230.424 nm)	1.17	0.0149 (ppm)	738.2262
5/7/2019 21:09:37	R1903833-005	Be (313.107 nm)	74.84	0.0000 u (ppm)	-316.9791
5/7/2019 21:09:37	R1903833-005	Ca (227.547 nm)	0.31	58.3488 σ (ppm)	3575.1632
5/7/2019 21:09:37	R1903833-005	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	3.8431
5/7/2019 21:09:37	R1903833-005	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.8850
5/7/2019 21:09:37	R1903833-005	Cr (267.716 nm)	66.39	0.0003 (ppm)	28.0050
5/7/2019 21:09:37	R1903833-005	Cu (327.395 nm)	29.02	-0.0002 u (ppm)	9.5107
5/7/2019 21:09:37	R1903833-005	Fe (234.350 nm)	0.71	0.0188 (ppm)	251.2288
5/7/2019 21:09:37	R1903833-005	K (766.491 nm)	0.21	0.6685 (ppm)	2419.4155
5/7/2019 21:09:37	R1903833-005	Mg (279.078 nm)	0.16	26.3013 (ppm)	59109.6368
5/7/2019 21:09:37	R1903833-005	Mn (257.610 nm)	0.10	0.0020 (ppm)	688.7840
5/7/2019 21:09:37	R1903833-005	Mo (202.032 nm)	19.16	-0.0010 u (ppm)	2.6528
5/7/2019 21:09:37	R1903833-005	Na (588.995 nm)	0.17	31.5953 (ppm)	1530213.9696
5/7/2019 21:09:37	R1903833-005	Ni (230.299 nm)	12.25	-0.0062 u (ppm)	-73.3166
5/7/2019 21:09:37	R1903833-005	Pb (220.353 nm)	> 100.00	-0.0005 u (ppm)	2.2766
5/7/2019 21:09:37	R1903833-005	Sb (217.582 nm)	42.11	-0.0021 u (ppm)	-2.6225
5/7/2019 21:09:37	R1903833-005	Se (196.026 nm)	19.13	-0.0045 u (ppm)	1.4957
5/7/2019 21:09:37	R1903833-005	Sn (189.925 nm)	> 100.00	-0.0013 u (ppm)	-1.7703
5/7/2019 21:09:37	R1903833-005	Sr (216.596 nm)	1.50	0.0794 (ppm)	800.8671
5/7/2019 21:09:37	R1903833-005	Ti (336.122 nm)	91.77	0.0000 u (ppm)	62.8335
5/7/2019 21:09:37	R1903833-005	Ti (351.923 nm)	> 100.00	-0.0012 u (ppm)	-2.1983
5/7/2019 21:09:37	R1903833-005	V (292.401 nm)	10.53	-0.0005 u (ppm)	33.9971
5/7/2019 21:09:37	R1903833-005	Y (360.074 nm)	0.19	0.97 (Ratio)	944689.40
5/7/2019 21:09:37	R1903833-005	Y_R (360.074 nm)	0.19	0.97 (Ratio)	944689.40
5/7/2019 21:09:37	R1903833-005	Zn (213.857 nm)	17.71	0.0007 (ppm)	15.1700
5/7/2019 21:12:57	R1903919-001	Ag (328.068 nm)	52.14	-0.0001 u (ppm)	-138.3914
5/7/2019 21:12:57	R1903919-001	Al (394.401 nm)	0.26	2.2113 (ppm)	38126.1691
5/7/2019 21:12:57	R1903919-001	As (188.980 nm)	> 100.00	-0.0006 u (ppm)	-0.5769
5/7/2019 21:12:57	R1903919-001	B (249.772 nm)	0.23	0.0423 (ppm)	1782.6720
5/7/2019 21:12:57	R1903919-001	Ba (230.424 nm)	0.70	0.1024 (ppm)	4823.9937
5/7/2019 21:12:57	R1903919-001	Be (313.107 nm)	12.92	0.0001 (ppm)	-209.7704
5/7/2019 21:12:57	R1903919-001	Ca (227.547 nm)	0.13	107.8289 σ (ppm)	6606.1631
5/7/2019 21:12:57	R1903919-001	Cd (214.439 nm)	26.42	0.0002 (ppm)	9.0592
5/7/2019 21:12:57	R1903919-001	Co (230.786 nm)	9.41	0.0012 (ppm)	12.6982
5/7/2019 21:12:57	R1903919-001	Cr (267.716 nm)	2.57	0.0048 (ppm)	211.2248
5/7/2019 21:12:57	R1903919-001	Cu (327.395 nm)	4.75	0.0059 (ppm)	420.2782
5/7/2019 21:12:57	R1903919-001	Fe (234.350 nm)	0.32	2.4021 (ppm)	25971.0065
5/7/2019 21:12:57	R1903919-001	K (766.491 nm)	0.20	4.3124 (ppm)	15662.7378
5/7/2019 21:12:57	R1903919-001	Mg (279.078 nm)	0.25	28.8304 (ppm)	64791.4583
5/7/2019 21:12:57	R1903919-001	Mn (257.610 nm)	0.47	0.4206 (ppm)	131869.3297
5/7/2019 21:12:57	R1903919-001	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	8.7253

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:12:57	R1903919-001	Na (588.995 nm)	0.41	104.2662 u (ppm)	5066417.0862
5/7/2019 21:12:57	R1903919-001	Ni (230.299 nm)	8.97	-0.0092 u (ppm)	-103.6258
5/7/2019 21:12:57	R1903919-001	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	3.4062
5/7/2019 21:12:57	R1903919-001	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	1.2082
5/7/2019 21:12:57	R1903919-001	Se (196.026 nm)	56.80	-0.0084 u (ppm)	-0.4252
5/7/2019 21:12:57	R1903919-001	Sn (189.925 nm)	> 100.00	0.0005 u (ppm)	-0.5257
5/7/2019 21:12:57	R1903919-001	Sr (216.596 nm)	0.64	0.2320 (ppm)	2338.0461
5/7/2019 21:12:57	R1903919-001	Ti (336.122 nm)	5.24	0.0489 (ppm)	12144.9647
5/7/2019 21:12:57	R1903919-001	Tl (351.923 nm)	46.28	0.0014 (ppm)	5.2297
5/7/2019 21:12:57	R1903919-001	V (292.401 nm)	2.17	0.0030 (ppm)	144.4840
5/7/2019 21:12:57	R1903919-001	Y (360.074 nm)	0.23	0.94 (Ratio)	913681.84
5/7/2019 21:12:57	R1903919-001	Y_R (360.074 nm)	0.23	0.94 (Ratio)	913681.84
5/7/2019 21:12:57	R1903919-001	Zn (213.857 nm)	0.92	0.0095 (ppm)	312.2425
5/7/2019 21:16:17	Continuing Calibration Verification	Ag (328.068 nm)	0.16	0.4924 (ppm)	36662.6137
5/7/2019 21:16:17	Continuing Calibration Verification	Al (394.401 nm)	0.37	9.5704 (ppm)	164011.4022
5/7/2019 21:16:17	Continuing Calibration Verification	As (188.980 nm)	0.15	0.9777 (ppm)	629.4731
5/7/2019 21:16:17	Continuing Calibration Verification	B (249.772 nm)	0.29	2.4545 (ppm)	96324.1751
5/7/2019 21:16:17	Continuing Calibration Verification	Ba (230.424 nm)	0.34	10.3790 (ppm)	484617.7228
5/7/2019 21:16:17	Continuing Calibration Verification	Be (313.107 nm)	0.59	0.2541 (ppm)	338635.7507
5/7/2019 21:16:17	Continuing Calibration Verification	Ca (227.547 nm)	0.24	24.0538 (ppm)	1474.3601
5/7/2019 21:16:17	Continuing Calibration Verification	Cd (214.439 nm)	0.44	0.5034 (ppm)	10169.9384
5/7/2019 21:16:17	Continuing Calibration Verification	Co (230.786 nm)	0.25	2.6241 (ppm)	32959.0960
5/7/2019 21:16:17	Continuing Calibration Verification	Cr (267.716 nm)	0.30	0.5104 (ppm)	20817.5234
5/7/2019 21:16:17	Continuing Calibration Verification	Cu (327.395 nm)	0.12	1.2003 (ppm)	79821.3719
5/7/2019 21:16:17	Continuing Calibration Verification	Fe (234.350 nm)	0.22	4.9187 (ppm)	53129.9037
5/7/2019 21:16:17	Continuing Calibration Verification	K (766.491 nm)	0.49	24.0822 (ppm)	87514.0564
5/7/2019 21:16:17	Continuing Calibration Verification	Mg (279.078 nm)	0.22	25.0409 (ppm)	56278.2651
5/7/2019 21:16:17	Continuing Calibration Verification	Mn (257.610 nm)	0.27	0.7549 (ppm)	236654.9932
5/7/2019 21:16:17	Continuing Calibration Verification	Mo (202.032 nm)	0.51	2.4895 (ppm)	14057.2924
5/7/2019 21:16:17	Continuing Calibration Verification	Na (588.995 nm)	0.41	24.4088 (ppm)	1180514.5168
5/7/2019 21:16:17	Continuing Calibration Verification	Ni (230.299 nm)	0.17	2.0145 (ppm)	19969.9712
5/7/2019 21:16:17	Continuing Calibration Verification	Pb (220.353 nm)	0.29	0.5081 (ppm)	1422.7815
5/7/2019 21:16:17	Continuing Calibration Verification	Sb (217.582 nm)	0.30	4.8001 (ppm)	5571.5005
5/7/2019 21:16:17	Continuing Calibration Verification	Se (196.026 nm)	0.25	0.4816 (ppm)	236.9356
5/7/2019 21:16:17	Continuing Calibration Verification	Sn (189.925 nm)	0.14	5.0488 (ppm)	3534.7410
5/7/2019 21:16:17	Continuing Calibration Verification	Sr (216.596 nm)	0.20	2.5361 (ppm)	25546.1600
5/7/2019 21:16:17	Continuing Calibration Verification	Ti (336.122 nm)	0.37	2.5232 (ppm)	624105.0106
5/7/2019 21:16:17	Continuing Calibration Verification	Tl (351.923 nm)	0.39	1.0086 (ppm)	2897.2461
5/7/2019 21:16:17	Continuing Calibration Verification	V (292.401 nm)	0.38	2.5480 (ppm)	80626.4507
5/7/2019 21:16:17	Continuing Calibration Verification	Y (360.074 nm)	0.51	0.96 (Ratio)	934364.06
5/7/2019 21:16:17	Continuing Calibration Verification	Y_R (360.074 nm)	0.51	0.96 (Ratio)	934364.06
5/7/2019 21:16:17	Continuing Calibration Verification	Zn (213.857 nm)	0.25	0.9842 (ppm)	33170.2971
5/7/2019 21:19:37	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-131.1329
5/7/2019 21:19:37	Continuing Calibration Blank	Al (394.401 nm)	7.77	-0.0045 u (ppm)	222.2765
5/7/2019 21:19:37	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0011 u (ppm)	-0.9071
5/7/2019 21:19:37	Continuing Calibration Blank	B (249.772 nm)	20.40	-0.0009 u (ppm)	87.7112
5/7/2019 21:19:37	Continuing Calibration Blank	Ba (230.424 nm)	60.67	0.0005 (ppm)	68.3215
5/7/2019 21:19:37	Continuing Calibration Blank	Be (313.107 nm)	1.62	0.0000 (ppm)	-269.0960
5/7/2019 21:19:37	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0083 u (ppm)	0.3908
5/7/2019 21:19:37	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	7.3745
5/7/2019 21:19:37	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	0.4391

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:19:37	Continuing Calibration Blank	Cr (267.716 nm)	49.28	-0.0001 u (ppm)	12.5904
5/7/2019 21:19:37	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	24.8404
5/7/2019 21:19:37	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	0.0003 u (ppm)	51.2036
5/7/2019 21:19:37	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0031 u (ppm)	1.0199
5/7/2019 21:19:37	Continuing Calibration Blank	Mg (279.078 nm)	85.89	-0.0020 u (ppm)	19.1263
5/7/2019 21:19:37	Continuing Calibration Blank	Mn (257.610 nm)	99.93	0.0000 u (ppm)	55.7501
5/7/2019 21:19:37	Continuing Calibration Blank	Mo (202.032 nm)	23.36	0.0027 (ppm)	23.3930
5/7/2019 21:19:37	Continuing Calibration Blank	Na (588.895 nm)	9.41	-0.0155 u (ppm)	-7979.4657
5/7/2019 21:19:37	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 u (ppm)	-10.5736
5/7/2019 21:19:37	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0007 u (ppm)	1.8913
5/7/2019 21:19:37	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	0.7450
5/7/2019 21:19:37	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	-0.0005 u (ppm)	3.3944
5/7/2019 21:19:37	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1138
5/7/2019 21:19:37	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	0.9116
5/7/2019 21:19:37	Continuing Calibration Blank	Ti (336.122 nm)	37.13	0.0009 (ppm)	264.2276
5/7/2019 21:19:37	Continuing Calibration Blank	Ti (351.923 nm)	> 100.00	0.0006 u (ppm)	2.9682
5/7/2019 21:19:37	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0002 u (ppm)	55.7400
5/7/2019 21:19:37	Continuing Calibration Blank	Y (360.074 nm)	0.41	1.01 (Ratio)	979969.08
5/7/2019 21:19:37	Continuing Calibration Blank	Y_R (360.074 nm)	0.41	1.01 (Ratio)	979969.08
5/7/2019 21:19:37	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.5424
5/7/2019 21:22:56	R1903919-002	Ag (328.068 nm)	44.37	-0.0002 u (ppm)	-146.2730
5/7/2019 21:22:56	R1903919-002	Al (394.401 nm)	1.21	0.0486 (ppm)	1130.5303
5/7/2019 21:22:56	R1903919-002	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.9594
5/7/2019 21:22:56	R1903919-002	B (249.772 nm)	0.45	0.0813 (ppm)	3308.0342
5/7/2019 21:22:56	R1903919-002	Ba (230.424 nm)	0.34	0.0330 (ppm)	1584.2414
5/7/2019 21:22:56	R1903919-002	Be (313.107 nm)	4.79	0.0000 u (ppm)	-318.0434
5/7/2019 21:22:56	R1903919-002	Cn (227.547 nm)	0.36	66.0490 e (ppm)	4046.8544
5/7/2019 21:22:56	R1903919-002	Cd (214.439 nm)	48.20	-0.0001 u (ppm) ✓	1.9326
5/7/2019 21:22:56	R1903919-002	Co (230.786 nm)	83.81	-0.0001 u (ppm)	-4.1887
5/7/2019 21:22:56	R1903919-002	Cr (267.716 nm)	54.40	-0.0002 u (ppm)	10.7661
5/7/2019 21:22:56	R1903919-002	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	25.0227
5/7/2019 21:22:56	R1903919-002	Fe (234.350 nm)	0.39	0.1009 (ppm)	1136.9198
5/7/2019 21:22:56	R1903919-002	K (766.491 nm)	0.39	1.9724 (ppm) ✓	7158.2480
5/7/2019 21:22:56	R1903919-002	Mg (279.078 nm)	0.11	19.2472 (ppm)	43262.6798
5/7/2019 21:22:56	R1903919-002	Mn (257.610 nm)	0.20	1.2851 (ppm) -	402822.2851
5/7/2019 21:22:56	R1903919-002	Mo (202.032 nm)	15.93	-0.0005 u (ppm)	5.3680
5/7/2019 21:22:56	R1903919-002	Na (588.895 nm)	0.43	23.0185 (ppm) ✓	1112862.0547
5/7/2019 21:22:56	R1903919-002	Ni (230.299 nm)	8.91	-0.0075 u (ppm)	-86.9515
5/7/2019 21:22:56	R1903919-002	Pb (220.353 nm)	37.99	-0.0015 u (ppm)	-0.5451
5/7/2019 21:22:56	R1903919-002	Sb (217.582 nm)	> 100.00	0.0004 u (ppm)	0.2218
5/7/2019 21:22:56	R1903919-002	Se (196.026 nm)	17.24	-0.0081 u (ppm)	-0.2470
5/7/2019 21:22:56	R1903919-002	Sn (189.925 nm)	> 100.00	0.0013 u (ppm)	0.0247
5/7/2019 21:22:56	R1903919-002	Sr (216.596 nm)	0.79	0.1584 (ppm)	1596.7621
5/7/2019 21:22:56	R1903919-002	Ti (336.122 nm)	6.51	0.0007 (ppm)	227.0727
5/7/2019 21:22:56	R1903919-002	Ti (351.923 nm)	> 100.00	-0.0002 u (ppm)	0.8251
5/7/2019 21:22:56	R1903919-002	V (292.401 nm)	19.59	-0.0008 u (ppm)	25.1922
5/7/2019 21:22:56	R1903919-002	Y (360.074 nm)	0.55	0.97 (Ratio)	946185.96
5/7/2019 21:22:56	R1903919-002	Y_R (360.074 nm)	0.55	0.97 (Ratio)	946185.96
5/7/2019 21:22:56	R1903919-002	Zn (213.857 nm)	2.80	0.0008 (ppm)	21.1296
5/7/2019 21:26:17	R1903919-003	Ag (328.068 nm)	91.81	-0.0002 u (ppm)	-145.2374
5/7/2019 21:26:17	R1903919-003	Al (394.401 nm)	1.15	0.0374 (ppm)	938.9189

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:26:17	R1903919-003	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.6551
5/7/2019 21:26:17	R1903919-003	B (249.772 nm)	0.68	0.0287 (ppm)	1248.5465
5/7/2019 21:26:17	R1903919-003	Ba (230.424 nm)	0.25	0.0580 (ppm)	2753.3456
5/7/2019 21:26:17	R1903919-003	Be (313.107 nm)	20.98	0.0000 u (ppm)	-320.7338
5/7/2019 21:26:17	R1903919-003	Ca (227.547 nm)	0.19	102.4474 o (ppm)	6276.5046
5/7/2019 21:26:17	R1903919-003	Cd (214.439 nm)	86.03	-0.0001 u (ppm)	2.0004
5/7/2019 21:26:17	R1903919-003	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.5312
5/7/2019 21:26:17	R1903919-003	Cr (267.716 nm)	34.41	0.0005 (ppm)	37.2969
5/7/2019 21:26:17	R1903919-003	Cu (327.395 nm)	6.03	0.0007 (ppm)	69.5346
5/7/2019 21:26:17	R1903919-003	Fe (234.350 nm)	1.29	0.0305 (ppm)	377.8595
5/7/2019 21:26:17	R1903919-003	K (766.491 nm)	0.37	3.3369 (ppm)	12117.2887
5/7/2019 21:26:17	R1903919-003	Mg (279.078 nm)	0.20	31.4812 (ppm)	70746.3884
5/7/2019 21:26:17	R1903919-003	Mn (257.610 nm)	0.04	0.0134 (ppm)	4265.7257
5/7/2019 21:26:17	R1903919-003	Mo (202.032 nm)	> 100.00	0.0002 u (ppm)	9.2378
5/7/2019 21:26:17	R1903919-003	Na (588.895 nm)	0.23	15.2645 (ppm)	735551.2656
5/7/2019 21:26:17	R1903919-003	Ni (230.299 nm)	3.76	-0.0082 u (ppm)	-93.9758
5/7/2019 21:26:17	R1903919-003	Pb (220.353 nm)	39.51	-0.0021 u (ppm)	-2.1959
5/7/2019 21:26:17	R1903919-003	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-0.2334
5/7/2019 21:26:17	R1903919-003	Se (196.026 nm)	58.86	-0.0063 u (ppm)	0.5821
5/7/2019 21:26:17	R1903919-003	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	-0.0346
5/7/2019 21:26:17	R1903919-003	Sr (216.596 nm)	0.17	0.1656 (ppm)	1669.3565
5/7/2019 21:26:17	R1903919-003	Ti (336.122 nm)	4.99	0.0007 (ppm)	227.5487
5/7/2019 21:26:17	R1903919-003	Tl (351.923 nm)	> 100.00	0.0021 u (ppm)	7.3700
5/7/2019 21:26:17	R1903919-003	V (202.401 nm)	38.88	-0.0005 u (ppm)	34.5922
5/7/2019 21:26:17	R1903919-003	Y (360.074 nm)	0.33	0.96 (Ratio)	935529.71
5/7/2019 21:26:17	R1903919-003	Y_R (360.074 nm)	0.33	0.96 (Ratio)	935529.71
5/7/2019 21:26:17	R1903919-003	Zn (213.857 nm)	3.54	0.0019 (ppm)	55.4552
5/7/2019 21:29:36	R1903919-004	Ag (328.068 nm)	54.60	-0.0002 u (ppm)	-142.7865
5/7/2019 21:29:36	R1903919-004	Al (394.401 nm)	0.29	0.1934 (ppm)	3607.3589
5/7/2019 21:29:36	R1903919-004	As (188.980 nm)	49.28	-0.0016 u (ppm)	-1.2336
5/7/2019 21:29:36	R1903919-004	B (249.772 nm)	1.22	0.0202 (ppm)	915.0042
5/7/2019 21:29:36	R1903919-004	Ba (230.424 nm)	0.20	0.0855 (ppm)	4034.7619
5/7/2019 21:29:36	R1903919-004	Be (313.107 nm)	24.41	0.0000 u (ppm)	-319.4041
5/7/2019 21:29:36	R1903919-004	Ca (227.547 nm)	0.09	102.1927 o (ppm)	6260.9031
5/7/2019 21:29:36	R1903919-004	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	6.3785
5/7/2019 21:29:36	R1903919-004	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-1.9434
5/7/2019 21:29:36	R1903919-004	Cr (267.716 nm)	6.60	0.0011 (ppm)	63.0115
5/7/2019 21:29:36	R1903919-004	Cu (327.395 nm)	4.27	0.0021 (ppm)	167.7374
5/7/2019 21:29:36	R1903919-004	Fe (234.350 nm)	0.31	0.2397 (ppm)	2634.8741
5/7/2019 21:29:36	R1903919-004	K (766.491 nm)	0.47	1.0162 (ppm)	3683.2708
5/7/2019 21:29:36	R1903919-004	Mg (279.078 nm)	0.09	30.6468 (ppm)	68871.9893
5/7/2019 21:29:36	R1903919-004	Mn (257.610 nm)	0.09	0.8644 (ppm)	270970.3739
5/7/2019 21:29:36	R1903919-004	Mo (202.032 nm)	35.07	-0.0012 u (ppm)	1.7947
5/7/2019 21:29:36	R1903919-004	Na (588.895 nm)	0.47	16.5877 (ppm)	799937.3689
5/7/2019 21:29:36	R1903919-004	Ni (230.299 nm)	13.34	-0.0049 u (ppm)	-60.7450
5/7/2019 21:29:36	R1903919-004	Pb (220.353 nm)	86.33	-0.0018 u (ppm)	-1.4106
5/7/2019 21:29:36	R1903919-004	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-0.0749
5/7/2019 21:29:36	R1903919-004	Se (196.026 nm)	27.32	-0.0080 u (ppm)	-0.2172
5/7/2019 21:29:36	R1903919-004	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0810
5/7/2019 21:29:36	R1903919-004	Sr (216.596 nm)	0.72	0.1859 (ppm)	1873.3558
5/7/2019 21:29:36	R1903919-004	Ti (336.122 nm)	3.18	0.0036 (ppm)	934.6334

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:29:36	R1903919-004	Tl (351.823 nm)	> 100.00	0.0016 u (ppm)	5.7540
5/7/2019 21:29:36	R1903919-004	V (292.401 nm)	37.69	-0.0004 u (ppm)	36.7195
5/7/2019 21:29:36	R1903919-004	Y (360.074 nm)	0.47	0.96 (Ratio)	933938.78
5/7/2019 21:29:36	R1903919-004	Y_R (360.074 nm)	0.47	0.96 (Ratio)	933938.78
5/7/2019 21:29:36	R1903919-004	Zn (213.857 nm)	0.93	0.0033 (ppm)	105.5219
5/7/2019 21:32:55	R1903919-005	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-137.8900
5/7/2019 21:32:55	R1903919-005	Al (394.401 nm)	0.53	0.0693 (ppm)	1484.0569
5/7/2019 21:32:55	R1903919-005	As (188.980 nm)	> 100.00	-0.0020 u (ppm)	-1.4948
5/7/2019 21:32:55	R1903919-005	B (249.772 nm)	0.28	0.0188 (ppm)	859.8946
5/7/2019 21:32:55	R1903919-005	Ba (230.424 nm)	0.29	0.1503 (ppm)	7059.5308
5/7/2019 21:32:55	R1903919-005	Be (313.107 nm)	54.98	0.0000 u (ppm)	-311.9951
5/7/2019 21:32:55	R1903919-005	Ce (227.547 nm)	0.19	131.0469 o (ppm)	8028.4228
5/7/2019 21:32:55	R1903919-005	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	3.3667
5/7/2019 21:32:55	R1903919-005	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.7654
5/7/2019 21:32:55	R1903919-005	Cr (267.716 nm)	18.50	0.0004 (ppm)	34.9595
5/7/2019 21:32:55	R1903919-005	Cu (327.395 nm)	8.95	0.0017 (ppm)	136.5557
5/7/2019 21:32:55	R1903919-005	Fe (234.350 nm)	0.49	0.0621 (ppm)	718.1357
5/7/2019 21:32:55	R1903919-005	K (766.491 nm)	0.22	2.2806 (ppm)	8278.4784
5/7/2019 21:32:55	R1903919-005	Mg (279.078 nm)	0.09	32.9941 (ppm)	74145.1419
5/7/2019 21:32:55	R1903919-005	Mn (257.610 nm)	0.16	0.0075 (ppm)	2402.4047
5/7/2019 21:32:55	R1903919-005	Mo (202.032 nm)	40.69	-0.0011 u (ppm)	1.9635
5/7/2019 21:32:55	R1903919-005	Na (588.995 nm)	0.54	17.2439 (ppm)	831870.0936
5/7/2019 21:32:55	R1903919-005	Ni (230.299 nm)	18.06	-0.0033 u (ppm)	-45.2213
5/7/2019 21:32:55	R1903919-005	Pb (220.353 nm)	74.73	0.0002 (ppm)	4.2177
5/7/2019 21:32:55	R1903919-005	Sb (217.582 nm)	96.33	-0.0020 u (ppm)	-2.5209
5/7/2019 21:32:55	R1903919-005	Se (196.026 nm)	74.47	-0.0054 u (ppm)	1.0383
5/7/2019 21:32:55	R1903919-005	Sn (189.825 nm)	> 100.00	0.0005 u (ppm)	-0.5252
5/7/2019 21:32:55	R1903919-005	Sr (216.596 nm)	0.37	0.2553 (ppm)	2572.7056
5/7/2019 21:32:55	R1903919-005	Tl (351.823 nm)	6.65	0.0009 (ppm)	278.8680
5/7/2019 21:32:55	R1903919-005	Tl (351.823 nm)	> 100.00	-0.0007 u (ppm)	-0.6499
5/7/2019 21:32:55	R1903919-005	V (292.401 nm)	17.54	-0.0007 u (ppm)	28.4113
5/7/2019 21:32:55	R1903919-005	Y (360.074 nm)	0.27	0.96 (Ratio)	931081.33
5/7/2019 21:32:55	R1903919-005	Y_R (360.074 nm)	0.27	0.96 (Ratio)	931081.33
5/7/2019 21:32:55	R1903919-005	Zn (213.857 nm)	2.15	0.0028 (ppm)	88.1890
5/7/2019 21:36:14	R1903919-006	Ag (328.068 nm)	59.61	-0.0002 u (ppm)	-146.2379
5/7/2019 21:36:14	R1903919-006	Al (394.401 nm)	0.63	0.1659 (ppm)	3136.3274
5/7/2019 21:36:14	R1903919-006	As (188.980 nm)	75.42	0.0013 (ppm)	0.6395
5/7/2019 21:36:14	R1903919-006	B (249.772 nm)	0.97	0.0178 (ppm)	819.9765
5/7/2019 21:36:14	R1903919-006	Ba (230.424 nm)	0.26	0.0947 (ppm)	4466.7626
5/7/2019 21:36:14	R1903919-006	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-304.9729
5/7/2019 21:36:14	R1903919-006	Ce (227.547 nm)	0.24	77.1045 o (ppm)	4724.0828
5/7/2019 21:36:14	R1903919-006	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.3967
5/7/2019 21:36:14	R1903919-006	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.5709
5/7/2019 21:36:14	R1903919-006	Cr (267.716 nm)	10.16	0.0014 (ppm)	76.5358
5/7/2019 21:36:14	R1903919-006	Cu (327.395 nm)	3.47	0.0029 (ppm)	221.7658
5/7/2019 21:36:14	R1903919-006	Fe (234.350 nm)	0.13	0.1994 (ppm)	2199.6093
5/7/2019 21:36:14	R1903919-006	K (766.491 nm)	0.53	1.8042 (ppm)	6910.6461
5/7/2019 21:36:14	R1903919-006	Mg (279.078 nm)	0.12	18.1851 (ppm)	40831.6750
5/7/2019 21:36:14	R1903919-006	Mn (257.610 nm)	0.41	0.0051 (ppm)	1663.9308
5/7/2019 21:36:14	R1903919-006	Mo (202.032 nm)	38.57	-0.0010 u (ppm)	2.5289
5/7/2019 21:36:14	R1903919-006	Na (588.995 nm)	0.42	11.5104 (ppm)	553168.2765

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:36:14	R1903919-006	Ni (230.299 nm)	18.13	-0.0056 u (ppm)	-68.0652
5/7/2019 21:36:14	R1903919-006	Pb (220.353 nm)	28.82	-0.0009 u (ppm)	1.2672
5/7/2019 21:36:14	R1903919-006	Sb (217.582 nm)	> 100.00	-0.0023 u (ppm)	-2.8333
5/7/2019 21:36:14	R1903919-006	Se (196.026 nm)	67.95	-0.0070 u (ppm)	0.2505
5/7/2019 21:36:14	R1903919-006	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.3912
5/7/2019 21:36:14	R1903919-006	Sr (216.596 nm)	0.95	0.1325 (ppm)	1335.6909
5/7/2019 21:36:14	R1903919-006	Ti (336.122 nm)	20.08	0.0019 (ppm)	530.4856
5/7/2019 21:36:14	R1903919-006	Tl (351.923 nm)	> 100.00	0.0013 (ppm)	4.8800
5/7/2019 21:36:14	R1903919-006	V (292.401 nm)	57.31	-0.0005 u (ppm)	34.9056
5/7/2019 21:36:14	R1903919-006	Y (360.074 nm)	0.41	0.97 (Ratio)	946015.26
5/7/2019 21:36:14	R1903919-006	Y_R (360.074 nm)	0.41	0.97 (Ratio)	946015.26
5/7/2019 21:36:14	R1903919-006	Zn (213.857 nm)	2.04	0.0035 (ppm)	112.3324
5/7/2019 21:39:34	R1903919-007	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-140.7706
5/7/2019 21:39:34	R1903919-007	Al (394.401 nm)	0.63	0.1656 (ppm)	3132.4372
5/7/2019 21:39:34	R1903919-007	As (188.980 nm)	48.42	-0.0027 u (ppm)	-1.9600
5/7/2019 21:39:34	R1903919-007	B (249.772 nm)	0.54	0.0168 (ppm)	780.5055
5/7/2019 21:39:34	R1903919-007	Ba (230.424 nm)	0.43	0.1165 (ppm)	5482.4121
5/7/2019 21:39:34	R1903919-007	Be (313.107 nm)	20.36	0.0000 u (ppm)	-319.0985
5/7/2019 21:39:34	R1903919-007	Ce (227.547 nm)	0.09	103.7149 o (ppm)	6354.1507
5/7/2019 21:39:34	R1903919-007	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.8715
5/7/2019 21:39:34	R1903919-007	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.7804
5/7/2019 21:39:34	R1903919-007	Cr (267.716 nm)	18.21	0.0007 (ppm)	45.5494
5/7/2019 21:39:34	R1903919-007	Cu (327.395 nm)	26.97	0.0002 (ppm)	39.3926
5/7/2019 21:39:34	R1903919-007	Fe (234.350 nm)	0.48	0.2010 (ppm)	2217.4532
5/7/2019 21:39:34	R1903919-007	K (766.491 nm)	0.35	1.3807 (ppm)	5007.8242
5/7/2019 21:39:34	R1903919-007	Mg (279.078 nm)	0.31	18.3463 (ppm)	41238.6767
5/7/2019 21:39:34	R1903919-007	Mn (257.610 nm)	0.46	0.0096 (ppm)	3079.0704
5/7/2019 21:39:34	R1903919-007	Mo (202.032 nm)	30.67	-0.0009 u (ppm)	3.0157
5/7/2019 21:39:34	R1903919-007	Na (588.895 nm)	0.14	9.8058 (ppm)	474791.1967
5/7/2019 21:39:34	R1903919-007	Ni (230.299 nm)	8.26	-0.0082 u (ppm)	-93.6567
5/7/2019 21:39:34	R1903919-007	Pb (220.353 nm)	78.26	-0.0014 u (ppm)	-0.0428
5/7/2019 21:39:34	R1903919-007	Sb (217.582 nm)	> 100.00	-0.0007 u (ppm)	-1.0676
5/7/2019 21:39:34	R1903919-007	Se (196.026 nm)	43.84	-0.0073 u (ppm)	0.1227
5/7/2019 21:39:34	R1903919-007	Sn (189.925 nm)	> 100.00	-0.0016 u (ppm)	-1.9918
5/7/2019 21:39:34	R1903919-007	Sr (216.596 nm)	0.46	0.1733 (ppm)	1746.3879
5/7/2019 21:39:34	R1903919-007	Ti (336.122 nm)	6.13	0.0019 (ppm)	528.8901
5/7/2019 21:39:34	R1903919-007	Tl (351.923 nm)	> 100.00	0.0025 u (ppm)	8.3635
5/7/2019 21:39:34	R1903919-007	V (292.401 nm)	65.32	-0.0004 u (ppm)	35.4618
5/7/2019 21:39:34	R1903919-007	Y (360.074 nm)	0.14	0.97 (Ratio)	939309.60
5/7/2019 21:39:34	R1903919-007	Y_R (360.074 nm)	0.14	0.97 (Ratio)	939309.60
5/7/2019 21:39:34	R1903919-007	Zn (213.857 nm)	1.85	0.0014 (ppm)	41.7280
5/7/2019 21:42:53	R1903919-008	Ag (328.068 nm)	38.25	-0.0002 u (ppm)	-148.6633
5/7/2019 21:42:53	R1903919-008	Al (394.401 nm)	0.59	0.1480 (ppm)	2830.5966
5/7/2019 21:42:53	R1903919-008	As (188.980 nm)	71.16	-0.0055 u (ppm)	-3.7022
5/7/2019 21:42:53	R1903919-008	B (249.772 nm)	0.59	0.0576 (ppm)	2379.5437
5/7/2019 21:42:53	R1903919-008	Ba (230.424 nm)	0.61	0.1325 (ppm)	6230.3256
5/7/2019 21:42:53	R1903919-008	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-306.1424
5/7/2019 21:42:53	R1903919-008	Ce (227.547 nm)	0.27	155.4643 o (ppm)	8524.1598
5/7/2019 21:42:53	R1903919-008	Cd (214.439 nm)	5.36	-0.0003 u (ppm)	-1.6335
5/7/2019 21:42:53	R1903919-008	Co (230.786 nm)	18.82	0.0018 (ppm)	20.7824
5/7/2019 21:42:53	R1903919-008	Cr (267.716 nm)	16.57	-0.0010 u (ppm)	-21.4717

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:42:53	R1903919-008	Cu (327.395 nm)	5.92	0.0023 (ppm)	179.2134
5/7/2019 21:42:53	R1903919-008	Fe (234.350 nm)	0.27	1.1294 (ppm)	12236.5092
5/7/2019 21:42:53	R1903919-008	K (766.491 nm)	0.38	6.8108 (ppm)	24742.9025
5/7/2019 21:42:53	R1903919-008	Mg (279.078 nm)	0.25	37.1869 (ppm)	83564.4600
5/7/2019 21:42:53	R1903919-008	Mn (257.610 nm)	0.19	4.3846 u (ppm)	1374200.9886
5/7/2019 21:42:53	R1903919-008	Mo (202.032 nm)	34.84	0.0022 (ppm)	21.0190
5/7/2019 21:42:53	R1903919-008	Na (588.995 nm)	0.46	20.1983 (ppm)	975630.2329
5/7/2019 21:42:53	R1903919-008	Ni (230.299 nm)	8.45	-0.0110 u (ppm)	-121.6210
5/7/2019 21:42:53	R1903919-008	Pb (220.353 nm)	> 100.00	0.0008 u (ppm)	5.9092
5/7/2019 21:42:53	R1903919-008	Sb (217.582 nm)	> 100.00	-0.0020 u (ppm)	-2.5096
5/7/2019 21:42:53	R1903919-008	Se (196.026 nm)	> 100.00	-0.0034 u (ppm)	2.0245
5/7/2019 21:42:53	R1903919-008	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1147
5/7/2019 21:42:53	R1903919-008	Sr (216.596 nm)	0.61	0.3075 (ppm)	3098.1301
5/7/2019 21:42:53	R1903919-008	Ti (336.122 nm)	8.02	0.0026 (ppm)	699.8142
5/7/2019 21:42:53	R1903919-008	Tl (351.923 nm)	> 100.00	0.0019 u (ppm)	6.7930
5/7/2019 21:42:53	R1903919-008	V (292.401 nm)	44.60	-0.0003 u (ppm)	41.1078
5/7/2019 21:42:53	R1903919-008	Y (360.074 nm)	0.40	0.95 (Ratio)	922105.10
5/7/2019 21:42:53	R1903919-008	Y_R (360.074 nm)	0.40	0.95 (Ratio)	922105.10
5/7/2019 21:42:53	R1903919-008	Zn (213.857 nm)	2.89	0.0021 (ppm)	64.4666
5/7/2019 21:46:12	R1903919-009	Ag (328.068 nm)	65.07	-0.0001 u (ppm)	-140.5682
5/7/2019 21:46:12	R1903919-009	Al (394.401 nm)	8.53	0.0047 (ppm)	380.1949
5/7/2019 21:46:12	R1903919-009	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-0.6169
5/7/2019 21:46:12	R1903919-009	B (249.772 nm)	3.80	-0.0018 u (ppm)	52.0693
5/7/2019 21:46:12	R1903919-009	Ba (230.424 nm)	6.96	-0.0007 u (ppm)	13.4640
5/7/2019 21:46:12	R1903919-009	Be (313.107 nm)	22.74	0.0000 u (ppm)	-324.1728
5/7/2019 21:46:12	R1903919-009	Ca (227.547 nm)	30.58	0.1012 (ppm)	7.0994
5/7/2019 21:46:12	R1903919-009	Cd (214.439 nm)	79.01	-0.0001 u (ppm)	2.0647
5/7/2019 21:46:12	R1903919-009	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.9355
5/7/2019 21:46:12	R1903919-009	Cr (267.716 nm)	22.57	0.0004 (ppm)	34.6185
5/7/2019 21:46:12	R1903919-009	Cu (327.395 nm)	18.06	0.0007 (ppm)	72.9463
5/7/2019 21:46:12	R1903919-009	Fe (234.350 nm)	21.18	-0.0016 u (ppm)	31.4728
5/7/2019 21:46:12	R1903919-009	K (766.491 nm)	> 100.00	0.0021 u (ppm)	-2.4575
5/7/2019 21:46:12	R1903919-009	Mg (279.078 nm)	78.09	-0.0015 u (ppm)	20.1581
5/7/2019 21:46:12	R1903919-009	Mn (257.610 nm)	62.17	0.0002 (ppm)	134.0247
5/7/2019 21:46:12	R1903919-009	Mo (202.032 nm)	24.37	-0.0014 u (ppm)	0.6639
5/7/2019 21:46:12	R1903919-009	Na (588.995 nm)	0.24	0.3150 (ppm)	8102.0927
5/7/2019 21:46:12	R1903919-009	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-12.1555
5/7/2019 21:46:12	R1903919-009	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	4.3354
5/7/2019 21:46:12	R1903919-009	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-0.8166
5/7/2019 21:46:12	R1903919-009	Se (196.026 nm)	> 100.00	-0.0007 u (ppm)	3.2974
5/7/2019 21:46:12	R1903919-009	Sn (189.925 nm)	78.92	0.0013 (ppm)	0.0257
5/7/2019 21:46:12	R1903919-009	Sr (216.596 nm)	70.38	-0.0001 u (ppm)	0.2141
5/7/2019 21:46:12	R1903919-009	Ti (336.122 nm)	3.87	-0.0004 u (ppm)	-51.9967
5/7/2019 21:46:12	R1903919-009	Tl (351.923 nm)	44.32	-0.0026 u (ppm)	-6.1097
5/7/2019 21:46:12	R1903919-009	V (292.401 nm)	23.24	-0.0003 u (ppm)	41.4099
5/7/2019 21:46:12	R1903919-009	Y (360.074 nm)	0.46	1.02 (Ratio)	992347.49
5/7/2019 21:46:12	R1903919-009	Y_R (360.074 nm)	0.46	1.02 (Ratio)	992347.49
5/7/2019 21:46:12	R1903919-009	Zn (213.857 nm)	44.77	0.0003 (ppm)	1.5393
5/7/2019 21:49:31	R1903919-009L	Ag (328.068 nm)	33.67	-0.0002 u (ppm)	-144.8117
5/7/2019 21:49:31	R1903919-009L	Al (394.401 nm)	5.63	-0.0059 u (ppm)	198.8671
5/7/2019 21:49:31	R1903919-009L	As (188.980 nm)	> 100.00	-0.0010 u (ppm)	-0.8241

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:49:31	R1903919-009L	B (249.772 nm)	3.11	-0.0021 u (ppm)	39.4652
5/7/2019 21:49:31	R1903919-009L	Ba (230.424 nm)	7.35	-0.0009 u (ppm)	2.2696
5/7/2019 21:49:31	R1903919-009L	Be (313.107 nm)	15.02	0.0000 u (ppm)	-322.0305
5/7/2019 21:49:31	R1903919-009L	Ca (227.547 nm)	79.04	0.0389 (ppm)	3.2850
5/7/2019 21:49:31	R1903919-009L	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	3.1847
5/7/2019 21:49:31	R1903919-009L	Co (230.786 nm)	53.93	-0.0002 u (ppm)	-4.3599
5/7/2019 21:49:31	R1903919-009L	Cr (267.716 nm)	59.99	0.0000 (ppm)	19.1640
5/7/2019 21:49:31	R1903919-009L	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	22.7837
5/7/2019 21:49:31	R1903919-009L	Fe (234.350 nm)	7.37	-0.0014 u (ppm)	33.0127
5/7/2019 21:49:31	R1903919-009L	K (766.491 nm)	22.17	-0.0107 u (ppm)	-48.9173
5/7/2019 21:49:31	R1903919-009L	Mg (279.078 nm)	6.53	-0.0066 u (ppm)	8.7550
5/7/2019 21:49:31	R1903919-009L	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	57.5937
5/7/2019 21:49:31	R1903919-009L	Mo (202.032 nm)	37.53	-0.0013 u (ppm)	1.0233
5/7/2019 21:49:31	R1903919-009L	Na (588.995 nm)	3.74	0.0459 (ppm)	-4993.8217
5/7/2019 21:49:31	R1903919-009L	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-14.2492
5/7/2019 21:49:31	R1903919-009L	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	2.9516
5/7/2019 21:49:31	R1903919-009L	Sb (217.582 nm)	> 100.00	-0.0003 u (ppm)	-0.5305
5/7/2019 21:49:31	R1903919-009L	Se (196.026 nm)	> 100.00	-0.0010 u (ppm)	3.1829
5/7/2019 21:49:31	R1903919-009L	Sn (189.925 nm)	15.28	-0.0002 u (ppm)	-0.9892
5/7/2019 21:49:31	R1903919-009L	Sr (216.596 nm)	16.42	-0.0005 u (ppm)	-3.5503
5/7/2019 21:49:31	R1903919-009L	Ti (336.122 nm)	5.97	-0.0006 u (ppm)	-105.0319
5/7/2019 21:49:31	R1903919-009L	Tl (351.923 nm)	> 100.00	-0.0022 u (ppm)	-4.9367
5/7/2019 21:49:31	R1903919-009L	V (292.401 nm)	34.41	-0.0003 u (ppm)	40.7660
5/7/2019 21:49:31	R1903919-009L	Y (360.074 nm)	0.38	1.01 (Ratio)	984320.89
5/7/2019 21:49:31	R1903919-009L	Y_R (360.074 nm)	0.38	1.01 (Ratio)	984320.89
5/7/2019 21:49:31	R1903919-009L	Zn (213.857 nm)	11.00	0.0004 (ppm)	5.7103
5/7/2019 21:52:51	R1903966-001	Ag (328.068 nm)	85.26	-0.0002 u (ppm)	-142.9827
5/7/2019 21:52:51	R1903966-001	Al (394.401 nm)	3.40	0.0152 (ppm)	558.8624
5/7/2019 21:52:51	R1903966-001	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	-0.2266
5/7/2019 21:52:51	R1903966-001	B (249.772 nm)	0.10	0.0945 (ppm)	3827.3855
5/7/2019 21:52:51	R1903966-001	Ba (230.424 nm)	0.23	0.0651 (ppm)	3085.5301
5/7/2019 21:52:51	R1903966-001	Be (313.107 nm)	22.63	0.0000 u (ppm)	-322.6555
5/7/2019 21:52:51	R1903966-001	Ca (227.547 nm)	0.20	169.7129 o (ppm)	10396.9802
5/7/2019 21:52:51	R1903966-001	Cd (214.439 nm)	5.76	-0.0002 u (ppm)	0.7035
5/7/2019 21:52:51	R1903966-001	Co (230.786 nm)	30.95	-0.0001 u (ppm)	-3.1998
5/7/2019 21:52:51	R1903966-001	Cr (267.716 nm)	39.88	-0.0003 u (ppm)	6.1979
5/7/2019 21:52:51	R1903966-001	Cu (327.395 nm)	3.83	0.0053 (ppm)	380.7001
5/7/2019 21:52:51	R1903966-001	Fe (234.350 nm)	4.49	0.0067 (ppm)	120.4553
5/7/2019 21:52:51	R1903966-001	K (766.491 nm)	0.35	6.3402 (ppm)	23032.5197
5/7/2019 21:52:51	R1903966-001	Mg (279.078 nm)	0.30	52.8111 (ppm)	118664.2009
5/7/2019 21:52:51	R1903966-001	Mn (257.610 nm)	0.58	0.0014 (ppm)	502.7968
5/7/2019 21:52:51	R1903966-001	Mo (202.032 nm)	32.11	-0.0009 u (ppm)	3.0271
5/7/2019 21:52:51	R1903966-001	Na (588.995 nm)	0.21	112.9047 o (ppm)	5486772.1599
5/7/2019 21:52:51	R1903966-001	Ni (230.299 nm)	2.59	-0.0092 u (ppm)	-103.8475
5/7/2019 21:52:51	R1903966-001	Pb (220.353 nm)	> 100.00	-0.0012 u (ppm)	0.3031
5/7/2019 21:52:51	R1903966-001	Sb (217.582 nm)	> 100.00	0.0012 u (ppm)	1.1663
5/7/2019 21:52:51	R1903966-001	Se (196.026 nm)	52.38	-0.0089 u (ppm)	-0.6431
5/7/2019 21:52:51	R1903966-001	Sn (189.925 nm)	> 100.00	-0.0011 u (ppm)	-1.6093
5/7/2019 21:52:51	R1903966-001	Sr (216.596 nm)	0.48	1.3579 (ppm)	13679.1119
5/7/2019 21:52:51	R1903966-001	Ti (336.122 nm)	8.90	0.0005 (ppm)	175.5818
5/7/2019 21:52:51	R1903966-001	Tl (351.923 nm)	55.19	0.0057 (ppm)	17.6996

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:52:51	R1903966-001	V (292.401 nm)	44.12	-0.0008 u (ppm)	25.6399
5/7/2019 21:52:51	R1903966-001	Y (360.074 nm)	0.18	0.93 (Ratio)	901329.96
5/7/2019 21:52:51	R1903966-001	Y_R (360.074 nm)	0.18	0.93 (Ratio)	901329.96
5/7/2019 21:52:51	R1903966-001	Zn (213.857 nm)	2.34	0.0041 (ppm)	129.7270
5/7/2019 21:56:10	Continuing Calibration Verification	Ag (328.068 nm)	0.10	0.4932 (ppm)	36718.8968
5/7/2019 21:56:10	Continuing Calibration Verification	Al (394.401 nm)	0.14	9.5879 (ppm)	164310.7663
5/7/2019 21:56:10	Continuing Calibration Verification	As (188.980 nm)	0.10	0.9806 (ppm)	631.3388
5/7/2019 21:56:10	Continuing Calibration Verification	B (249.772 nm)	0.25	2.4628 (ppm)	96647.6052
5/7/2019 21:56:10	Continuing Calibration Verification	Ba (230.424 nm)	0.25	10.3858 (ppm)	484932.5483
5/7/2019 21:56:10	Continuing Calibration Verification	Be (313.107 nm)	0.31	0.2537 (ppm)	338101.1266
5/7/2019 21:56:10	Continuing Calibration Verification	Ca (227.547 nm)	0.49	24.1201 (ppm)	1478.4194
5/7/2019 21:56:10	Continuing Calibration Verification	Cd (214.439 nm)	0.22	0.5053 (ppm)	10207.7823
5/7/2019 21:56:10	Continuing Calibration Verification	Co (230.786 nm)	0.06	2.6306 (ppm)	33040.5987
5/7/2019 21:56:10	Continuing Calibration Verification	Cr (267.716 nm)	0.05	0.5121 (ppm)	20884.7302
5/7/2019 21:56:10	Continuing Calibration Verification	Cu (327.395 nm)	0.35	1.2065 (ppm)	80231.5583
5/7/2019 21:56:10	Continuing Calibration Verification	Fe (234.350 nm)	0.10	4.9281 (ppm)	53231.2202
5/7/2019 21:56:10	Continuing Calibration Verification	K (766.491 nm)	0.41	24.1403 (ppm)	87725.0906
5/7/2019 21:56:10	Continuing Calibration Verification	Mg (279.078 nm)	0.03	25.0981 (ppm)	56406.8052
5/7/2019 21:56:10	Continuing Calibration Verification	Mn (257.610 nm)	0.13	0.7586 (ppm)	237808.7563
5/7/2019 21:56:10	Continuing Calibration Verification	Mo (202.032 nm)	0.17	2.4973 (ppm)	14100.9299
5/7/2019 21:56:10	Continuing Calibration Verification	Na (588.995 nm)	0.68	24.3642 (ppm)	1178348.1814
5/7/2019 21:56:10	Continuing Calibration Verification	Ni (230.299 nm)	0.13	2.0202 (ppm)	20027.1380
5/7/2019 21:56:10	Continuing Calibration Verification	Pb (220.353 nm)	0.58	0.5087 (ppm)	1424.6218
5/7/2019 21:56:10	Continuing Calibration Verification	Sb (217.582 nm)	0.27	4.8099 (ppm)	5582.8751
5/7/2019 21:56:10	Continuing Calibration Verification	Se (196.026 nm)	1.53	0.4829 (ppm)	237.5807
5/7/2019 21:56:10	Continuing Calibration Verification	Sn (189.925 nm)	0.08	5.0714 (ppm)	3550.5778
5/7/2019 21:56:10	Continuing Calibration Verification	Sr (216.596 nm)	0.10	2.5415 (ppm)	25601.0471
5/7/2019 21:56:10	Continuing Calibration Verification	Ti (336.122 nm)	0.11	2.5215 (ppm)	623693.4568
5/7/2019 21:56:10	Continuing Calibration Verification	Tl (351.923 nm)	0.23	1.0048 (ppm)	2886.2169
5/7/2019 21:56:10	Continuing Calibration Verification	V (292.401 nm)	0.10	2.5533 (ppm)	80794.6404
5/7/2019 21:56:10	Continuing Calibration Verification	Y (360.074 nm)	0.65	0.96 (Ratio)	933135.39
5/7/2019 21:56:10	Continuing Calibration Verification	Y_R (360.074 nm)	0.65	0.96 (Ratio)	933135.39
5/7/2019 21:56:10	Continuing Calibration Verification	Zn (213.857 nm)	0.04	0.9867 (ppm)	33255.0845
5/7/2019 21:59:30	Continuing Calibration Blank	Ag (328.068 nm)	52.59	-0.0001 u (ppm)	-136.0259
5/7/2019 21:59:30	Continuing Calibration Blank	Al (394.401 nm)	10.15	-0.0037 u (ppm)	235.5351
5/7/2019 21:59:30	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0018 u (ppm)	0.9392
5/7/2019 21:59:30	Continuing Calibration Blank	B (249.772 nm)	23.26	-0.0010 u (ppm)	85.9767
5/7/2019 21:59:30	Continuing Calibration Blank	Ba (230.424 nm)	49.60	0.0007 (ppm)	76.2994
5/7/2019 21:59:30	Continuing Calibration Blank	Be (313.107 nm)	13.42	0.0000 (ppm)	-255.4528
5/7/2019 21:59:30	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0126 u (ppm)	1.6686
5/7/2019 21:59:30	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.4818
5/7/2019 21:59:30	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.6769
5/7/2019 21:59:30	Continuing Calibration Blank	Cr (267.716 nm)	46.78	-0.0001 u (ppm)	11.7445
5/7/2019 21:59:30	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	19.3978
5/7/2019 21:59:30	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	0.0003 u (ppm)	51.1665
5/7/2019 21:59:30	Continuing Calibration Blank	K (766.491 nm)	> 100.00	-0.0036 u (ppm)	-23.4097
5/7/2019 21:59:30	Continuing Calibration Blank	Mg (279.078 nm)	33.71	-0.0013 u (ppm)	20.6301
5/7/2019 21:59:30	Continuing Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	59.5747
5/7/2019 21:59:30	Continuing Calibration Blank	Mo (202.032 nm)	40.28	0.0024 (ppm)	21.8278
5/7/2019 21:59:30	Continuing Calibration Blank	Na (588.995 nm)	7.84	-0.0169 u (ppm)	-8050.5776
5/7/2019 21:59:30	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0004 u (ppm)	-8.5491

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 21:59:30	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0008 u (ppm)	1.3721
5/7/2019 21:59:30	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	0.6384
5/7/2019 21:59:30	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	-0.0021 u (ppm)	2.6538
5/7/2019 21:59:30	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0018 u (ppm)	0.3792
5/7/2019 21:59:30	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0002 u (ppm)	3.0585
5/7/2019 21:59:30	Continuing Calibration Blank	Ti (336.122 nm)	29.46	0.0009 (ppm)	273.2550
5/7/2019 21:59:30	Continuing Calibration Blank	Ti (351.923 nm)	28.71	-0.0011 u (ppm)	-2.0012
5/7/2019 21:59:30	Continuing Calibration Blank	V (292.401 nm)	46.41	0.0002 (ppm)	56.3017
5/7/2019 21:59:30	Continuing Calibration Blank	Y (360.074 nm)	0.40	1.01 (Ratio)	982207.60
5/7/2019 21:59:30	Continuing Calibration Blank	Y_R (360.074 nm)	0.40	1.01 (Ratio)	982207.60
5/7/2019 21:59:30	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-6.0932
5/7/2019 22:02:49	R1903966-001L	Ag (328.068 nm)	52.36	-0.0001 u (ppm)	-139.7329
5/7/2019 22:02:49	R1903966-001L	Al (394.401 nm)	8.67	0.0045 (ppm)	375.8312
5/7/2019 22:02:49	R1903966-001L	As (188.980 nm)	> 100.00	0.0003 u (ppm)	-0.0096
5/7/2019 22:02:49	R1903966-001L	B (249.772 nm)	0.46	0.0160 (ppm)	750.1520
5/7/2019 22:02:49	R1903966-001L	Ba (230.424 nm)	1.47	0.0124 (ppm)	623.1870
5/7/2019 22:02:49	R1903966-001L	Be (313.107 nm)	45.81	0.0000 u (ppm)	-316.7550
5/7/2019 22:02:49	R1903966-001L	Ca (227.547 nm)	0.40	30.8045 (ppm)	1887.8892
5/7/2019 22:02:49	R1903966-001L	Cd (214.439 nm)	76.06	-0.0001 u (ppm)	1.7943
5/7/2019 22:02:49	R1903966-001L	Co (230.786 nm)	> 100.00	-0.0004 u (ppm)	-7.5984
5/7/2019 22:02:49	R1903966-001L	Cr (267.716 nm)	44.12	-0.0002 u (ppm)	10.4369
5/7/2019 22:02:49	R1903966-001L	Cu (327.395 nm)	30.20	0.0007 (ppm)	74.6557
5/7/2019 22:02:49	R1903966-001L	Fe (234.350 nm)	> 100.00	-0.0001 u (ppm)	47.4042
5/7/2019 22:02:49	R1903966-001L	K (766.491 nm)	0.04	1.0769 (ppm)	3903.5829
5/7/2019 22:02:49	R1903966-001L	Mg (279.078 nm)	0.15	10.1213 (ppm)	22761.2226
5/7/2019 22:02:49	R1903966-001L	Mn (257.610 nm)	2.38	0.0003 (ppm)	142.4342
5/7/2019 22:02:49	R1903966-001L	Mo (202.032 nm)	38.34	-0.0006 u (ppm)	5.2297
5/7/2019 22:02:49	R1903966-001L	Na (588.995 nm)	0.30	22.7581 (ppm)	1100194.7241
5/7/2019 22:02:49	R1903966-001L	Ni (230.299 nm)	30.76	-0.0018 u (ppm)	-30.1204
5/7/2019 22:02:49	R1903966-001L	Pb (220.353 nm)	70.22	-0.0018 u (ppm)	-1.1768
5/7/2019 22:02:49	R1903966-001L	Sb (217.582 nm)	> 100.00	-0.0018 u (ppm)	-2.3084
5/7/2019 22:02:49	R1903966-001L	Se (196.026 nm)	> 100.00	-0.0038 u (ppm)	1.8101
5/7/2019 22:02:49	R1903966-001L	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7522
5/7/2019 22:02:49	R1903966-001L	Sr (216.596 nm)	0.44	0.2714 (ppm)	2735.0341
5/7/2019 22:02:49	R1903966-001L	Ti (336.122 nm)	18.84	-0.0001 u (ppm)	25.6386
5/7/2019 22:02:49	R1903966-001L	Ti (351.923 nm)	> 100.00	-0.0009 u (ppm)	-1.3263
5/7/2019 22:02:49	R1903966-001L	V (292.401 nm)	44.68	-0.0003 u (ppm)	40.5226
5/7/2019 22:02:49	R1903966-001L	Y (360.074 nm)	0.40	0.98 (Ratio)	952162.33
5/7/2019 22:02:49	R1903966-001L	Y_R (360.074 nm)	0.40	0.98 (Ratio)	952162.33
5/7/2019 22:02:49	R1903966-001L	Zn (213.857 nm)	8.99	0.0011 (ppm)	31.7594
5/7/2019 22:06:10	R1903971-001	Ag (328.068 nm)	36.06	-0.0002 u (ppm)	-143.0381
5/7/2019 22:06:10	R1903971-001	Al (394.401 nm)	1.14	0.0654 (ppm)	1418.1513
5/7/2019 22:06:10	R1903971-001	As (188.980 nm)	> 100.00	0.0009 u (ppm)	0.3802
5/7/2019 22:06:10	R1903971-001	B (249.772 nm)	0.17	0.3755 (ppm)	14839.6042
5/7/2019 22:06:10	R1903971-001	Ba (230.424 nm)	0.48	0.0160 (ppm)	791.0789
5/7/2019 22:06:10	R1903971-001	Be (313.107 nm)	34.10	0.0000 u (ppm)	-340.3109
5/7/2019 22:06:10	R1903971-001	Ca (227.547 nm)	0.65	14.1799 (ppm)	869.5173
5/7/2019 22:06:10	R1903971-001	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	2.9714
5/7/2019 22:06:10	R1903971-001	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.1666
5/7/2019 22:06:10	R1903971-001	Cr (267.716 nm)	0.68	0.0065 (ppm)	282.9041
5/7/2019 22:06:10	R1903971-001	Cu (327.395 nm)	10.41	0.0008 (ppm)	79.0063

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:06:10	R1903971-001	Fe (234.350 nm)	4.42	0.0072 (ppm)	126.3344
5/7/2019 22:06:10	R1903971-001	K (766.491 nm)	0.05	0.9814 (ppm)	3556.6292
5/7/2019 22:06:10	R1903971-001	Mg (279.078 nm)	30.47	0.0050 (ppm)	34.6526
5/7/2019 22:06:10	R1903971-001	Mn (257.610 nm)	4.28	0.0002 (ppm)	135.7624
5/7/2019 22:06:10	R1903971-001	Mo (202.032 nm)	1.78	0.0313 (ppm)	185.1695
5/7/2019 22:06:10	R1903971-001	Na (588.995 nm)	0.52	192.7057 o (ppm)	9369927.3941
5/7/2019 22:06:10	R1903971-001	Ni (230.299 nm)	4.26	-0.0272 u (ppm)	-282.0481
5/7/2019 22:06:10	R1903971-001	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	2.7198
5/7/2019 22:06:10	R1903971-001	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	0.6262
5/7/2019 22:06:10	R1903971-001	Se (196.026 nm)	> 100.00	-0.0025 u (ppm)	2.4346
5/7/2019 22:06:10	R1903971-001	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	0.0085
5/7/2019 22:06:10	R1903971-001	Sr (216.596 nm)	1.15	0.1361 (ppm)	1372.0506
5/7/2019 22:06:10	R1903971-001	Ti (336.122 nm)	41.21	-0.0001 u (ppm)	25.3950
5/7/2019 22:06:10	R1903971-001	Tl (351.923 nm)	27.89	-0.0034 u (ppm)	-8.5208
5/7/2019 22:06:10	R1903971-001	V (292.401 nm)	0.89	0.0287 (ppm)	956.7922
5/7/2019 22:06:10	R1903971-001	Y (360.074 nm)	0.33	0.94 (Ratio)	917222.79
5/7/2019 22:06:10	R1903971-001	Y_R (360.074 nm)	0.33	0.94 (Ratio)	917222.79
5/7/2019 22:06:10	R1903971-001	Zn (213.857 nm)	5.71	0.0008 (ppm)	21.3782
5/7/2019 22:09:30	R1903971-006	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-131.5354
5/7/2019 22:09:30	R1903971-006	Al (394.401 nm)	6.67	0.0131 (ppm)	522.6601
5/7/2019 22:09:30	R1903971-006	As (188.980 nm)	61.82	-0.0029 u (ppm)	-2.0705
5/7/2019 22:09:30	R1903971-006	B (249.772 nm)	0.27	0.0830 (ppm)	3375.4532
5/7/2019 22:09:30	R1903971-006	Ba (230.424 nm)	0.36	0.0366 (ppm)	1751.4285
5/7/2019 22:09:30	R1903971-006	Be (313.107 nm)	67.60	0.0000 u (ppm)	-312.0194
5/7/2019 22:09:30	R1903971-006	Ca (227.547 nm)	0.14	113.2653 o (ppm)	6939.1763
5/7/2019 22:09:30	R1903971-006	Cd (214.439 nm)	> 100.00	-0.0002 u (ppm)	1.3363
5/7/2019 22:09:30	R1903971-006	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.1307
5/7/2019 22:09:30	R1903971-006	Cr (267.716 nm)	13.16	0.0010 (ppm)	57.6415
5/7/2019 22:09:30	R1903971-006	Cu (327.395 nm)	17.07	-0.0005 u (ppm)	-6.4965
5/7/2019 22:09:30	R1903971-006	Fe (234.350 nm)	11.25	0.0029 (ppm)	79.0564
5/7/2019 22:09:30	R1903971-006	K (766.491 nm)	0.24	5.6384 (ppm)	20482.0960
5/7/2019 22:09:30	R1903971-006	Mg (279.078 nm)	0.31	65.9047 o (ppm)	148079.2002
5/7/2019 22:09:30	R1903971-006	Mn (257.610 nm)	2.69	0.0005 (ppm)	209.4184
5/7/2019 22:09:30	R1903971-006	Mo (202.032 nm)	3.53	0.0063 (ppm)	44.0414
5/7/2019 22:09:30	R1903971-006	Na (588.995 nm)	0.39	38.4436 (ppm)	1863456.3944
5/7/2019 22:09:30	R1903971-006	Ni (230.299 nm)	1.05	0.1352 (ppm)	1328.8617
5/7/2019 22:09:30	R1903971-006	Pb (220.353 nm)	40.81	-0.0013 u (ppm)	0.0968
5/7/2019 22:09:30	R1903971-006	Sb (217.582 nm)	> 100.00	-0.0014 u (ppm)	-1.8382
5/7/2019 22:09:30	R1903971-006	Se (196.026 nm)	28.60	-0.0102 u (ppm)	-1.3052
5/7/2019 22:09:30	R1903971-006	Sn (189.925 nm)	> 100.00	-0.0011 u (ppm)	-1.5886
5/7/2019 22:09:30	R1903971-006	Sr (216.596 nm)	0.68	2.6490 (ppm)	26683.2826
5/7/2019 22:09:30	R1903971-006	Ti (336.122 nm)	29.11	0.0003 (ppm)	118.8683
5/7/2019 22:09:30	R1903971-006	Tl (351.923 nm)	87.33	0.0030 u (ppm)	9.9674
5/7/2019 22:09:30	R1903971-006	V (292.401 nm)	3.10	0.0011 (ppm)	82.9290
5/7/2019 22:09:30	R1903971-006	Y (360.074 nm)	0.04	0.95 (Ratio)	923598.40
5/7/2019 22:09:30	R1903971-006	Y_R (360.074 nm)	0.04	0.95 (Ratio)	923598.40
5/7/2019 22:09:30	R1903971-006	Zn (213.857 nm)	1.05	0.0097 (ppm)	321.2422
5/7/2019 22:12:49	R1903971-011	Ag (328.068 nm)	20.97	-0.0003 u (ppm)	-152.6118
5/7/2019 22:12:49	R1903971-011	Al (394.401 nm)	1.45	0.0157 (ppm)	567.3905
5/7/2019 22:12:49	R1903971-011	As (188.980 nm)	> 100.00	0.0005 u (ppm)	0.1437
5/7/2019 22:12:49	R1903971-011	B (249.772 nm)	0.28	0.0624 (ppm)	2570.5153

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:12:49	R1903971-011	Ba (230.424 nm)	0.72	0.0222 (ppm)	1081.8725
5/7/2019 22:12:49	R1903971-011	Be (313.107 nm)	23.50	0.0000 u (ppm)	-326.7545
5/7/2019 22:12:49	R1903971-011	Ca (227.547 nm)	0.18	114.9552 o (ppm)	7042.6987
5/7/2019 22:12:49	R1903971-011	Cd (214.439 nm)	7.71	-0.0002 u (ppm)	-0.1584
5/7/2019 22:12:49	R1903971-011	Co (230.786 nm)	43.84	0.0002 (ppm)	0.3500
5/7/2019 22:12:49	R1903971-011	Cr (267.716 nm)	0.81	0.0222 (ppm)	921.7113
5/7/2019 22:12:49	R1903971-011	Cu (327.395 nm)	8.24	0.0009 (ppm)	84.5042
5/7/2019 22:12:49	R1903971-011	Fe (234.350 nm)	0.43	0.0295 (ppm)	366.8250
5/7/2019 22:12:49	R1903971-011	K (766.491 nm)	0.13	3.3423 (ppm)	12136.9273
5/7/2019 22:12:49	R1903971-011	Mg (279.078 nm)	0.39	71.5035 o (ppm)	160657.0523
5/7/2019 22:12:49	R1903971-011	Mn (257.610 nm)	3.93	0.0006 (ppm)	245.9019
5/7/2019 22:12:49	R1903971-011	Mo (202.032 nm)	3.13	0.0114 (ppm)	72.8417
5/7/2019 22:12:49	R1903971-011	Na (588.995 nm)	0.44	37.9093 (ppm)	1837455.9583
5/7/2019 22:12:49	R1903971-011	Ni (230.299 nm)	5.49	-0.0161 u (ppm)	-171.8511
5/7/2019 22:12:49	R1903971-011	Pb (220.353 nm)	45.25	-0.0025 u (ppm)	-3.2968
5/7/2019 22:12:49	R1903971-011	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-0.7365
5/7/2019 22:12:49	R1903971-011	Se (196.026 nm)	57.36	-0.0067 u (ppm)	0.4348
5/7/2019 22:12:49	R1903971-011	Sn (189.925 nm)	> 100.00	-0.0012 u (ppm)	-1.7112
5/7/2019 22:12:49	R1903971-011	Sr (216.596 nm)	0.25	2.5834 (ppm)	26022.6927
5/7/2019 22:12:49	R1903971-011	Ti (336.122 nm)	6.11	0.0003 (ppm)	128.0675
5/7/2019 22:12:49	R1903971-011	Tl (351.923 nm)	> 100.00	0.0026 u (ppm)	8.7203
5/7/2019 22:12:49	R1903971-011	V (292.401 nm)	9.34	0.0012 (ppm)	88.8069
5/7/2019 22:12:49	R1903971-011	Y (360.074 nm)	0.14	0.95 (Ratio)	925297.05
5/7/2019 22:12:49	R1903971-011	Y_R (360.074 nm)	0.14	0.95 (Ratio)	925297.05
5/7/2019 22:12:49	R1903971-011	Zn (213.857 nm)	1.52	0.0029 (ppm)	92.4392
5/7/2019 22:16:09	Continuing Calibration Verification	Ag (328.068 nm)	0.19	0.4902 (ppm)	36501.5552
5/7/2019 22:16:09	Continuing Calibration Verification	Al (394.401 nm)	0.12	9.5422 (ppm)	163529.0084
5/7/2019 22:16:09	Continuing Calibration Verification	As (188.980 nm)	0.26	0.9819 (ppm)	632.1869
5/7/2019 22:16:09	Continuing Calibration Verification	B (249.772 nm)	0.02	2.4503 (ppm)	96158.8322
5/7/2019 22:16:09	Continuing Calibration Verification	Ba (230.424 nm)	0.04	10.3619 (ppm)	483818.7424
5/7/2019 22:16:09	Continuing Calibration Verification	Be (313.107 nm)	0.13	0.2541 (ppm)	338546.5332
5/7/2019 22:16:09	Continuing Calibration Verification	Ca (227.547 nm)	0.60	23.9315 (ppm)	1466.8711
5/7/2019 22:16:09	Continuing Calibration Verification	Cd (214.439 nm)	0.26	0.5052 (ppm)	10206.2685
5/7/2019 22:16:09	Continuing Calibration Verification	Co (230.786 nm)	0.30	2.6259 (ppm)	32981.3224
5/7/2019 22:16:09	Continuing Calibration Verification	Cr (267.716 nm)	0.26	0.5113 (ppm)	20850.7908
5/7/2019 22:16:09	Continuing Calibration Verification	Cu (327.395 nm)	0.40	1.1967 (ppm)	79581.2421
5/7/2019 22:16:09	Continuing Calibration Verification	Fe (234.350 nm)	0.18	4.9171 (ppm)	53112.6924
5/7/2019 22:16:09	Continuing Calibration Verification	K (766.491 nm)	0.36	23.9954 (ppm)	87198.4943
5/7/2019 22:16:09	Continuing Calibration Verification	Mg (279.078 nm)	0.25	25.0586 (ppm)	56317.9294
5/7/2019 22:16:09	Continuing Calibration Verification	Mn (257.610 nm)	0.07	0.7554 (ppm)	236805.1749
5/7/2019 22:16:09	Continuing Calibration Verification	Mo (202.032 nm)	0.29	2.4907 (ppm)	14063.6552
5/7/2019 22:16:09	Continuing Calibration Verification	Na (588.995 nm)	0.51	24.2522 (ppm)	1172896.4064
5/7/2019 22:16:09	Continuing Calibration Verification	Ni (230.299 nm)	0.18	2.0175 (ppm)	19999.4495
5/7/2019 22:16:09	Continuing Calibration Verification	Pb (220.353 nm)	0.31	0.5107 (ppm)	1430.1974
5/7/2019 22:16:09	Continuing Calibration Verification	Sb (217.582 nm)	0.15	4.7927 (ppm)	5562.9342
5/7/2019 22:16:09	Continuing Calibration Verification	Se (196.026 nm)	0.81	0.4822 (ppm)	237.2446
5/7/2019 22:16:09	Continuing Calibration Verification	Sn (189.925 nm)	0.10	5.0677 (ppm)	3547.9688
5/7/2019 22:16:09	Continuing Calibration Verification	Sr (216.596 nm)	0.09	2.5399 (ppm)	25584.7182
5/7/2019 22:16:09	Continuing Calibration Verification	Ti (336.122 nm)	0.20	2.5063 (ppm)	619927.7519
5/7/2019 22:16:09	Continuing Calibration Verification	Tl (351.923 nm)	0.65	1.0016 (ppm)	2877.1058
5/7/2019 22:16:09	Continuing Calibration Verification	V (292.401 nm)	0.10	2.5486 (ppm)	80643.1896

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:16:09	Continuing Calibration Verification	Y (360.074 nm)	0.40	0.96 (Ratio)	934254.51
5/7/2019 22:16:09	Continuing Calibration Verification	Y_R (360.074 nm)	0.40	0.96 (Ratio)	934254.51
5/7/2019 22:16:09	Continuing Calibration Verification	Zn (213.857 nm)	0.24	0.9844 (ppm)	33176.1743
5/7/2019 22:19:28	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-133.5604
5/7/2019 22:19:28	Continuing Calibration Blank	Al (394.401 nm)	19.91	-0.0033 u (ppm)	242.8564
5/7/2019 22:19:28	Continuing Calibration Blank	As (188.980 nm)	57.01	-0.0005 u (ppm)	-0.4842
5/7/2019 22:19:28	Continuing Calibration Blank	B (249.772 nm)	33.47	-0.0007 u (ppm)	94.7628
5/7/2019 22:19:28	Continuing Calibration Blank	Ba (230.424 nm)	7.54	0.0010 (ppm)	89.8662
5/7/2019 22:19:28	Continuing Calibration Blank	Be (313.107 nm)	20.71	0.0000 (ppm)	-256.6697
5/7/2019 22:19:28	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0061 u (ppm)	1.2740
5/7/2019 22:19:28	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	6.3765
5/7/2019 22:19:28	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0003 (ppm)	0.9625
5/7/2019 22:19:28	Continuing Calibration Blank	Cr (267.716 nm)	76.52	0.0000 u (ppm)	15.7797
5/7/2019 22:19:28	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	25.7109
5/7/2019 22:19:28	Continuing Calibration Blank	Fe (234.350 nm)	54.24	0.0011 (ppm)	59.7750
5/7/2019 22:19:28	Continuing Calibration Blank	K (766.491 nm)	> 100.00	-0.0018 u (ppm)	-16.8551
5/7/2019 22:19:28	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0001 u (ppm)	23.8358
5/7/2019 22:19:28	Continuing Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	70.3908
5/7/2019 22:19:28	Continuing Calibration Blank	Mo (202.032 nm)	36.40	0.0026 (ppm)	23.0994
5/7/2019 22:19:28	Continuing Calibration Blank	Na (588.995 nm)	13.14	-0.0165 u (ppm)	-8030.1468
5/7/2019 22:19:28	Continuing Calibration Blank	Ni (230.299 nm)	19.44	0.0003 (ppm)	-9.6671
5/7/2019 22:19:28	Continuing Calibration Blank	Pb (220.353 nm)	72.03	0.0008 (ppm)	6.0596
5/7/2019 22:19:28	Continuing Calibration Blank	Sb (217.582 nm)	77.99	0.0012 (ppm)	1.1758
5/7/2019 22:19:28	Continuing Calibration Blank	Se (196.026 nm)	10.10	0.0063 (ppm)	6.7168
5/7/2019 22:19:28	Continuing Calibration Blank	Sn (189.925 nm)	44.30	0.0026 (ppm)	0.9928
5/7/2019 22:19:28	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0003 u (ppm)	4.4075
5/7/2019 22:19:28	Continuing Calibration Blank	Ti (336.122 nm)	28.60	0.0010 (ppm)	299.5967
5/7/2019 22:19:28	Continuing Calibration Blank	Tl (351.923 nm)	45.64	-0.0020 u (ppm)	-4.3685
5/7/2019 22:19:28	Continuing Calibration Blank	V (292.401 nm)	70.92	0.0003 (ppm)	59.5546
5/7/2019 22:19:28	Continuing Calibration Blank	Y (360.074 nm)	0.48	1.01 (Ratio)	981571.92
5/7/2019 22:19:28	Continuing Calibration Blank	Y_R (360.074 nm)	0.48	1.01 (Ratio)	981571.92
5/7/2019 22:19:28	Continuing Calibration Blank	Zn (213.857 nm)	22.74	0.0001 (ppm)	-2.3702
5/7/2019 22:22:47	Contract Required Detection Limit	Ag (328.068 nm)	1.21	0.0097 (ppm)	594.2768
5/7/2019 22:22:47	Contract Required Detection Limit	Al (394.401 nm)	0.17	0.1731 (ppm)	3260.0918
5/7/2019 22:22:47	Contract Required Detection Limit	As (188.980 nm)	2.17	0.0202 (ppm)	12.8165
5/7/2019 22:22:47	Contract Required Detection Limit	B (249.772 nm)	0.07	0.1820 (ppm)	7255.1812
5/7/2019 22:22:47	Contract Required Detection Limit	Ba (230.424 nm)	0.16	0.2136 (ppm)	10014.5055
5/7/2019 22:22:47	Contract Required Detection Limit	Be (313.107 nm)	0.23	0.0049 (ppm)	6234.9879
5/7/2019 22:22:47	Contract Required Detection Limit	Ca (227.547 nm)	3.44	0.9548 (ppm)	59.3874
5/7/2019 22:22:47	Contract Required Detection Limit	Cd (214.439 nm)	0.39	0.0101 (ppm)	208.6561
5/7/2019 22:22:47	Contract Required Detection Limit	Co (230.786 nm)	0.10	0.0523 (ppm)	654.6157
5/7/2019 22:22:47	Contract Required Detection Limit	Cr (267.716 nm)	0.45	0.0102 (ppm)	434.3624
5/7/2019 22:22:47	Contract Required Detection Limit	Cu (327.395 nm)	0.20	0.0242 (ppm)	1635.9616
5/7/2019 22:22:47	Contract Required Detection Limit	Fe (234.350 nm)	0.46	0.1052 (ppm)	1183.9791
5/7/2019 22:22:47	Contract Required Detection Limit	K (766.491 nm)	0.90	0.8921 (ppm)	3232.0006
5/7/2019 22:22:47	Contract Required Detection Limit	Mg (279.078 nm)	0.28	0.9866 (ppm)	2239.9183
5/7/2019 22:22:47	Contract Required Detection Limit	Mn (257.610 nm)	0.12	0.0157 (ppm)	4987.2432
5/7/2019 22:22:47	Contract Required Detection Limit	Mo (202.032 nm)	1.26	0.0248 (ppm)	148.2744
5/7/2019 22:22:47	Contract Required Detection Limit	Na (588.995 nm)	0.61	0.9664 (ppm)	39799.4490
5/7/2019 22:22:47	Contract Required Detection Limit	Ni (230.299 nm)	0.76	0.0419 (ppm)	403.5189
5/7/2019 22:22:47	Contract Required Detection Limit	Pb (220.353 nm)	1.14	0.0107 (ppm)	33.5535

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:22:47	Contract Required Detection Limit	Sb (217.582 nm)	2.72	0.0596 (ppm)	68.9671
5/7/2019 22:22:47	Contract Required Detection Limit	Se (196.026 nm)	14.94	0.0095 (ppm)	8.2620
5/7/2019 22:22:47	Contract Required Detection Limit	Sn (189.925 nm)	0.05	0.5002 (ppm)	349.4436
5/7/2019 22:22:47	Contract Required Detection Limit	Sr (216.596 nm)	0.32	0.1041 (ppm)	1049.9666
5/7/2019 22:22:47	Contract Required Detection Limit	Ti (336.122 nm)	0.04	0.0505 (ppm)	12548.7449
5/7/2019 22:22:47	Contract Required Detection Limit	Tl (351.923 nm)	20.38	0.0182 (ppm)	53.4109
5/7/2019 22:22:47	Contract Required Detection Limit	V (292.401 nm)	0.39	0.0502 (ppm)	1637.9219
5/7/2019 22:22:47	Contract Required Detection Limit	Y (360.074 nm)	0.39	1.01 (Ratio)	980504.00
5/7/2019 22:22:47	Contract Required Detection Limit	Y_R (360.074 nm)	0.39	1.01 (Ratio)	980504.00
5/7/2019 22:22:47	Contract Required Detection Limit	Zn (213.857 nm)	0.69	0.0197 (ppm)	658.5820
5/7/2019 22:26:06	Interference Check Solution A	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-127.0199
5/7/2019 22:26:06	Interference Check Solution A	Al (394.401 nm)	0.12	265.4202 o (ppm)	4540603.4095
5/7/2019 22:26:06	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0039 u (ppm)	-2.6850
5/7/2019 22:26:06	Interference Check Solution A	B (249.772 nm)	0.29	0.0449 (ppm)	1883.1152
5/7/2019 22:26:06	Interference Check Solution A	Ba (230.424 nm)	27.87	-0.0001 u (ppm)	37.0527
5/7/2019 22:26:06	Interference Check Solution A	Be (313.107 nm)	6.79	-0.0001 u (ppm)	-374.3408
5/7/2019 22:26:06	Interference Check Solution A	Ca (227.547 nm)	0.22	266.6199 o (ppm)	16333.2037
5/7/2019 22:26:06	Interference Check Solution A	Cd (214.439 nm)	14.29	-0.0007 u (ppm)	-8.8005
5/7/2019 22:26:06	Interference Check Solution A	Co (230.786 nm)	27.97	-0.0025 u (ppm)	-33.5937
5/7/2019 22:26:06	Interference Check Solution A	Cr (267.716 nm)	72.13	0.0004 (ppm)	32.9678
5/7/2019 22:26:06	Interference Check Solution A	Cu (327.395 nm)	31.29	-0.0003 u (ppm)	7.0368
5/7/2019 22:26:06	Interference Check Solution A	Fe (234.350 nm)	0.50	91.7662 o (ppm)	990373.4057
5/7/2019 22:26:06	Interference Check Solution A	K (766.491 nm)	21.01	-0.0096 u (ppm)	-45.2019
5/7/2019 22:26:06	Interference Check Solution A	Mg (279.078 nm)	0.04	265.6149 o (ppm)	596730.7642
5/7/2019 22:26:06	Interference Check Solution A	Mn (257.610 nm)	1.56	0.0019 (ppm)	645.7933
5/7/2019 22:26:06	Interference Check Solution A	Mo (202.032 nm)	> 100.00	-0.0008 u (ppm)	3.7098
5/7/2019 22:26:06	Interference Check Solution A	Na (588.995 nm)	3.83	-0.0319 u (ppm)	-8779.5273
5/7/2019 22:26:06	Interference Check Solution A	Ni (230.299 nm)	47.00	-0.0009 u (ppm)	-21.1893
5/7/2019 22:26:06	Interference Check Solution A	Pb (220.353 nm)	51.07	-0.0021 u (ppm)	-2.1618
5/7/2019 22:26:06	Interference Check Solution A	Sb (217.582 nm)	50.94	-0.0061 u (ppm)	-7.2576
5/7/2019 22:26:06	Interference Check Solution A	Se (196.026 nm)	37.79	-0.0092 u (ppm)	-0.8236
5/7/2019 22:26:06	Interference Check Solution A	Sn (189.925 nm)	49.93	0.0017 (ppm)	0.3440
5/7/2019 22:26:06	Interference Check Solution A	Sr (216.596 nm)	1.35	0.0188 (ppm)	190.1889
5/7/2019 22:26:06	Interference Check Solution A	Ti (336.122 nm)	2.37	0.0010 (ppm)	305.7678
5/7/2019 22:26:06	Interference Check Solution A	Tl (351.923 nm)	22.09	0.0059 (ppm)	18.3260
5/7/2019 22:26:06	Interference Check Solution A	V (292.401 nm)	11.92	0.0016 (ppm)	99.4784
5/7/2019 22:26:06	Interference Check Solution A	Y (360.074 nm)	0.41	0.88 (Ratio)	859604.76
5/7/2019 22:26:06	Interference Check Solution A	Y_R (360.074 nm)	0.41	0.88 (Ratio)	859604.76
5/7/2019 22:26:06	Interference Check Solution A	Zn (213.857 nm)	0.97	0.0119 K (ppm)	393.6147 K
5/7/2019 22:29:25	Interference Check Solution AB	Ag (328.068 nm)	0.22	0.2116 (ppm)	15677.5811
5/7/2019 22:29:25	Interference Check Solution AB	Al (394.401 nm)	0.28	265.3598 o (ppm)	4539570.3094
5/7/2019 22:29:25	Interference Check Solution AB	As (188.980 nm)	3.32	0.0985 (ppm)	63.2523
5/7/2019 22:29:25	Interference Check Solution AB	B (249.772 nm)	0.67	0.0437 (ppm)	1835.4158
5/7/2019 22:29:25	Interference Check Solution AB	Ba (230.424 nm)	0.13	0.5296 (ppm)	24771.1774
5/7/2019 22:29:25	Interference Check Solution AB	Be (313.107 nm)	0.17	0.5022 (ppm)	669438.0334
5/7/2019 22:29:25	Interference Check Solution AB	Ca (227.547 nm)	0.18	266.1432 o (ppm)	16304.0001
5/7/2019 22:29:25	Interference Check Solution AB	Cd (214.439 nm)	0.16	0.9849 (ppm)	19892.8844
5/7/2019 22:29:25	Interference Check Solution AB	Co (230.786 nm)	0.33	0.4916 (ppm)	6172.9301
5/7/2019 22:29:25	Interference Check Solution AB	Cr (267.716 nm)	0.16	0.5038 (ppm)	20545.2916
5/7/2019 22:29:25	Interference Check Solution AB	Cu (327.395 nm)	0.34	0.5177 (ppm)	34442.4101
5/7/2019 22:29:25	Interference Check Solution AB	Fe (234.350 nm)	0.14	91.8026 o (ppm)	990766.9525

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:29:25	Interference Check Solution AB	K (766.491 nm)	> 100.00	-0.0028 u (ppm)	-20.2848
5/7/2019 22:29:25	Interference Check Solution AB	Mg (279.078 nm)	0.06	264.6420 u (ppm)	594545.0756
5/7/2019 22:29:25	Interference Check Solution AB	Mn (257.610 nm)	0.24	0.4990 (ppm)	156458.3324
5/7/2019 22:29:25	Interference Check Solution AB	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	6.5391
5/7/2019 22:29:25	Interference Check Solution AB	Na (588.995 nm)	1.69	-0.0386 u (ppm)	-9104.6133
5/7/2019 22:29:25	Interference Check Solution AB	Ni (230.299 nm)	0.22	0.9642 (ppm)	9551.6895
5/7/2019 22:29:25	Interference Check Solution AB	Pb (220.353 nm)	1.21	0.0483 (ppm)	138.7189
5/7/2019 22:29:25	Interference Check Solution AB	Sb (217.582 nm)	0.56	0.6061 (ppm)	703.3519
5/7/2019 22:29:25	Interference Check Solution AB	Se (196.026 nm)	5.40	0.0453 (ppm)	25.6159
5/7/2019 22:29:25	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	-0.0011 u (ppm)	-1.6253
5/7/2019 22:29:25	Interference Check Solution AB	Sr (216.596 nm)	3.48	0.0192 (ppm)	194.0238
5/7/2019 22:29:25	Interference Check Solution AB	Ti (336.122 nm)	3.13	0.0010 (ppm)	309.0767
5/7/2019 22:29:25	Interference Check Solution AB	Tl (351.923 nm)	3.26	0.1146 (ppm)	330.3151
5/7/2019 22:29:25	Interference Check Solution AB	V (292.401 nm)	0.24	0.5095 (ppm)	16160.6282
5/7/2019 22:29:25	Interference Check Solution AB	Y (360.074 nm)	0.54	0.88 (Ratio)	859461.09
5/7/2019 22:29:25	Interference Check Solution AB	Y_R (360.074 nm)	0.54	0.88 (Ratio)	859461.09
5/7/2019 22:29:25	Interference Check Solution AB	Zn (213.857 nm)	0.18	1.0277 (ppm)	34635.2941
5/7/2019 22:32:45	Continuing Calibration Verification1	Ag (328.068 nm)	0.17	0.4934 (ppm)	36735.6743
5/7/2019 22:32:45	Continuing Calibration Verification1	Al (394.401 nm)	0.10	9.6233 (ppm)	164915.8301
5/7/2019 22:32:45	Continuing Calibration Verification1	As (188.980 nm)	0.25	0.9846 (ppm)	633.9142
5/7/2019 22:32:45	Continuing Calibration Verification1	B (249.772 nm)	0.03	2.4515 (ppm)	96204.7858
5/7/2019 22:32:45	Continuing Calibration Verification1	Ba (230.424 nm)	0.39	10.4205 (ppm)	486552.0209
5/7/2019 22:32:45	Continuing Calibration Verification1	Be (313.107 nm)	0.22	0.2556 (ppm)	340622.5287
5/7/2019 22:32:45	Continuing Calibration Verification1	Ca (227.547 nm)	0.54	24.0476 (ppm)	1473.9829
5/7/2019 22:32:45	Continuing Calibration Verification1	Cd (214.439 nm)	0.15	0.5066 (ppm)	10233.9306
5/7/2019 22:32:45	Continuing Calibration Verification1	Co (230.786 nm)	0.05	2.6315 (ppm)	33052.3517
5/7/2019 22:32:45	Continuing Calibration Verification1	Cr (267.716 nm)	0.10	0.5116 (ppm)	20863.4416
5/7/2019 22:32:45	Continuing Calibration Verification1	Cu (327.395 nm)	0.56	1.2014 (ppm)	78895.5389
5/7/2019 22:32:45	Continuing Calibration Verification1	Fe (234.350 nm)	0.07	4.9533 (ppm)	53503.7059
5/7/2019 22:32:45	Continuing Calibration Verification1	K (766.491 nm)	0.52	24.1777 (ppm)	87861.1062
5/7/2019 22:32:45	Continuing Calibration Verification1	Mg (279.078 nm)	0.08	25.1745 (ppm)	56578.3008
5/7/2019 22:32:45	Continuing Calibration Verification1	Mn (257.610 nm)	0.07	0.7562 (ppm)	237056.7216
5/7/2019 22:32:45	Continuing Calibration Verification1	Mo (202.032 nm)	0.17	2.5028 (ppm)	14132.1392
5/7/2019 22:32:45	Continuing Calibration Verification1	Na (588.995 nm)	0.67	24.4307 (ppm)	1181582.2568
5/7/2019 22:32:45	Continuing Calibration Verification1	Ni (230.299 nm)	0.08	2.0241 (ppm)	20065.4648
5/7/2019 22:32:45	Continuing Calibration Verification1	Pb (220.353 nm)	0.25	0.5114 (ppm)	1432.2507
5/7/2019 22:32:45	Continuing Calibration Verification1	Sb (217.582 nm)	0.14	4.8159 (ppm)	5589.8946
5/7/2019 22:32:45	Continuing Calibration Verification1	Se (196.026 nm)	1.67	0.4883 (ppm)	240.1830
5/7/2019 22:32:45	Continuing Calibration Verification1	Sn (189.925 nm)	0.26	5.0911 (ppm)	3564.3573
5/7/2019 22:32:45	Continuing Calibration Verification1	Sr (216.596 nm)	0.32	2.5586 (ppm)	25773.2383
5/7/2019 22:32:45	Continuing Calibration Verification1	Ti (336.122 nm)	0.16	2.5270 (ppm)	625058.1486
5/7/2019 22:32:45	Continuing Calibration Verification1	Tl (351.923 nm)	0.38	1.0127 (ppm)	2908.9062
5/7/2019 22:32:45	Continuing Calibration Verification1	V (292.401 nm)	0.12	2.5625 (ppm)	81082.8965
5/7/2019 22:32:45	Continuing Calibration Verification1	Y (360.074 nm)	0.61	0.96 (Ratio)	936111.53
5/7/2019 22:32:45	Continuing Calibration Verification1	Y_R (360.074 nm)	0.61	0.96 (Ratio)	936111.53
5/7/2019 22:32:45	Continuing Calibration Verification1	Zn (213.857 nm)	0.07	0.9894 (ppm)	33344.7716
5/7/2019 22:36:04	Continuing Calibration Blank1	Ag (328.068 nm)	29.22	-0.0001 u (ppm)	-139.7781
5/7/2019 22:36:04	Continuing Calibration Blank1	Al (394.401 nm)	15.82	-0.0022 u (ppm)	260.6882
5/7/2019 22:36:04	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0003 u (ppm)	-0.3570
5/7/2019 22:36:04	Continuing Calibration Blank1	B (249.772 nm)	26.40	-0.0011 u (ppm)	80.6852
5/7/2019 22:36:04	Continuing Calibration Blank1	Ba (230.424 nm)	> 100.00	0.0000 u (ppm)	42.4438

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:36:04	Continuing Calibration Blank1	Be (313.107 nm)	> 100.00	0.0000 (ppm)	-287.9240
5/7/2019 22:36:04	Continuing Calibration Blank1	Ca (227.547 nm)	56.11	0.0250 (ppm)	2.4327
5/7/2019 22:36:04	Continuing Calibration Blank1	Cd (214.439 nm)	95.11	-0.0001 u (ppm)	2.8794
5/7/2019 22:36:04	Continuing Calibration Blank1	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-0.8947
5/7/2019 22:36:04	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	12.6964
5/7/2019 22:36:04	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	23.9487
5/7/2019 22:36:04	Continuing Calibration Blank1	Fe (234.350 nm)	7.81	0.0019 (ppm)	69.1782
5/7/2019 22:36:04	Continuing Calibration Blank1	K (766.491 nm)	71.67	-0.0055 u (ppm)	-30.0551
5/7/2019 22:36:04	Continuing Calibration Blank1	Mg (279.078 nm)	34.00	-0.0015 u (ppm)	20.1282
5/7/2019 22:36:04	Continuing Calibration Blank1	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	55.4570
5/7/2019 22:36:04	Continuing Calibration Blank1	Mo (202.032 nm)	19.51	0.0022 (ppm)	20.5989
5/7/2019 22:36:04	Continuing Calibration Blank1	Na (588.995 nm)	9.40	-0.0186 u (ppm)	-8131.9389
5/7/2019 22:36:04	Continuing Calibration Blank1	Ni (230.299 nm)	11.74	0.0026 (ppm)	13.0065
5/7/2019 22:36:04	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	4.1750
5/7/2019 22:36:04	Continuing Calibration Blank1	Sb (217.582 nm)	> 100.00	0.0010 (ppm)	1.0091
5/7/2019 22:36:04	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0013 u (ppm)	4.2734
5/7/2019 22:36:04	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	-0.0006 u (ppm)	-1.2977
5/7/2019 22:36:04	Continuing Calibration Blank1	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	1.1116
5/7/2019 22:36:04	Continuing Calibration Blank1	Ti (336.122 nm)	66.27	0.0005 (ppm)	180.8721
5/7/2019 22:36:04	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	0.0001 u (ppm)	1.6831
5/7/2019 22:36:04	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.2791
5/7/2019 22:36:04	Continuing Calibration Blank1	Y (360.074 nm)	0.39	1.01 (Ratio)	980051.51
5/7/2019 22:36:04	Continuing Calibration Blank1	Y_R (360.074 nm)	0.39	1.01 (Ratio)	980051.51
5/7/2019 22:36:04	Continuing Calibration Blank1	Zn (213.857 nm)	46.30	0.0002 (ppm)	-1.4294
5/7/2019 22:39:24	PBW-336057	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-140.7275
5/7/2019 22:39:24	PBW-336057	Al (394.401 nm)	6.95	-0.0060 u (ppm)	195.9621
5/7/2019 22:39:24	PBW-336057	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	-0.2731
5/7/2019 22:39:24	PBW-336057	B (249.772 nm)	5.14	-0.0018 u (ppm)	51.2350
5/7/2019 22:39:24	PBW-336057	Ba (230.424 nm)	9.44	-0.0007 u (ppm)	10.9155
5/7/2019 22:39:24	PBW-336057	Be (313.107 nm)	58.07	0.0000 u (ppm)	-315.0300
5/7/2019 22:39:24	PBW-336057	Ca (227.547 nm)	18.00	0.0348 (ppm)	3.0298
5/7/2019 22:39:24	PBW-336057	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	3.9439
5/7/2019 22:39:24	PBW-336057	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.2127
5/7/2019 22:39:24	PBW-336057	Cr (267.716 nm)	2.49	-0.0004 u (ppm)	2.1112
5/7/2019 22:39:24	PBW-336057	Cu (327.395 nm)	52.95	-0.0001 u (ppm)	15.9583
5/7/2019 22:39:24	PBW-336057	Fe (234.350 nm)	17.68	-0.0019 u (ppm)	27.4641
5/7/2019 22:39:24	PBW-336057	K (766.491 nm)	17.05	-0.0092 u (ppm)	-43.4463
5/7/2019 22:39:24	PBW-336057	Mg (279.078 nm)	17.65	-0.0068 u (ppm)	8.2500
5/7/2019 22:39:24	PBW-336057	Mn (257.610 nm)	5.06	-0.0001 u (ppm)	26.5963
5/7/2019 22:39:24	PBW-336057	Mo (202.032 nm)	54.39	-0.0006 u (ppm)	4.7474
5/7/2019 22:39:24	PBW-336057	Na (588.995 nm)	7.52	-0.0186 u (ppm)	-8134.1877
5/7/2019 22:39:24	PBW-336057	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-12.1890
5/7/2019 22:39:24	PBW-336057	Pb (220.353 nm)	12.57	0.0011 (ppm)	6.9465
5/7/2019 22:39:24	PBW-336057	Sb (217.582 nm)	> 100.00	0.0004 u (ppm)	0.2290
5/7/2019 22:39:24	PBW-336057	Se (196.026 nm)	83.52	-0.0014 u (ppm)	2.9636
5/7/2019 22:39:24	PBW-336057	Sn (189.925 nm)	99.05	0.0023 u (ppm)	0.7265
5/7/2019 22:39:24	PBW-336057	Sr (216.596 nm)	53.30	-0.0002 u (ppm)	-1.3788
5/7/2019 22:39:24	PBW-336057	Ti (336.122 nm)	20.04	-0.0002 u (ppm)	4.1089
5/7/2019 22:39:24	PBW-336057	Tl (351.923 nm)	> 100.00	0.0001 u (ppm)	1.5498
5/7/2019 22:39:24	PBW-336057	V (292.401 nm)	78.25	-0.0003 u (ppm)	41.4528
5/7/2019 22:39:24	PBW-336057	Y (360.074 nm)	0.31	1.02 (Ratio)	997419.55

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:39:24	PBW-336057	Y_R (360.074 nm)	0.31	1.02 (Ratio)	9974.19.55
5/7/2019 22:39:24	PBW-336057	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-6.7792
5/7/2019 22:42:42	LCSW-336057	Ag (328.068 nm)	0.17	0.0503 (ppm)	3628.4734
5/7/2019 22:42:42	LCSW-336057	Al (394.401 nm)	0.15	1.8892 (ppm)	32616.1188
5/7/2019 22:42:42	LCSW-336057	As (188.980 nm)	14.28	0.0392 (ppm)	25.0701
5/7/2019 22:42:42	LCSW-336057	B (249.772 nm)	0.06	1.0106 (ppm)	39733.2542
5/7/2019 22:42:42	LCSW-336057	Ba (230.424 nm)	0.98	2.1166 (ppm)	98862.4219
5/7/2019 22:42:42	LCSW-336057	Be (313.107 nm)	0.07	0.0511 (ppm)	67867.9819
5/7/2019 22:42:42	LCSW-336057	Ca (227.547 nm)	3.28	1.8958 (ppm)	117.0331
5/7/2019 22:42:42	LCSW-336057	Cd (214.439 nm)	0.40	0.0530 (ppm)	1075.5028
5/7/2019 22:42:42	LCSW-336057	Co (230.786 nm)	0.09	0.5311 (ppm)	6669.0655
5/7/2019 22:42:42	LCSW-336057	Cr (267.716 nm)	0.21	0.2079 (ppm)	8488.8026
5/7/2019 22:42:42	LCSW-336057	Cu (327.395 nm)	0.15	0.2460 (ppm)	16380.1115
5/7/2019 22:42:42	LCSW-336057	Fe (234.350 nm)	0.11	1.0026 (ppm)	10868.2445
5/7/2019 22:42:42	LCSW-336057	K (766.491 nm)	0.16	19.0467 (ppm)	69212.9206
5/7/2019 22:42:42	LCSW-336057	Mg (279.078 nm)	0.07	2.0477 (ppm)	4623.6063
5/7/2019 22:42:42	LCSW-336057	Mn (257.610 nm)	0.13	0.5112 (ppm)	160274.9146
5/7/2019 22:42:42	LCSW-336057	Mo (202.032 nm)	0.41	0.5057 (ppm)	2862.1882
5/7/2019 22:42:42	LCSW-336057	Na (588.995 nm)	0.50	19.4502 (ppm)	939230.7221
5/7/2019 22:42:42	LCSW-336057	Ni (230.299 nm)	0.20	0.5206 (ppm)	5151.2960
5/7/2019 22:42:42	LCSW-336057	Pb (220.353 nm)	0.24	0.5341 (ppm)	1495.5611
5/7/2019 22:42:42	LCSW-336057	Sb (217.582 nm)	0.61	0.4791 (ppm)	555.8821
5/7/2019 22:42:42	LCSW-336057	Se (196.026 nm)	0.92	1.0594 (ppm)	516.7969
5/7/2019 22:42:42	LCSW-336057	Sn (189.925 nm)	0.18	5.1393 (ppm)	3598.1031
5/7/2019 22:42:42	LCSW-336057	Sr (216.596 nm)	0.17	2.1116 (ppm)	21269.9476
5/7/2019 22:42:42	LCSW-336057	Ti (336.122 nm)	0.16	0.5114 (ppm)	126534.2415
5/7/2019 22:42:42	LCSW-336057	Tl (351.923 nm)	0.31	1.9729 (ppm)	5666.0043
5/7/2019 22:42:42	LCSW-336057	V (292.401 nm)	0.13	0.5042 (ppm)	15995.0755
5/7/2019 22:42:42	LCSW-336057	Y (360.074 nm)	0.35	0.99 (Ratio)	968074.77
5/7/2019 22:42:42	LCSW-336057	Y_R (360.074 nm)	0.35	0.99 (Ratio)	968074.77
5/7/2019 22:42:42	LCSW-336057	Zn (213.857 nm)	0.31	0.5144 (ppm)	17332.7622
5/7/2019 22:46:01	DLCSW-336057	Ag (328.068 nm)	0.30	0.0500 (ppm)	3604.0100
5/7/2019 22:46:01	DLCSW-336057	Al (394.401 nm)	0.12	1.8816 (ppm)	32485.7836
5/7/2019 22:46:01	DLCSW-336057	As (188.980 nm)	5.00	0.0395 (ppm)	25.2473
5/7/2019 22:46:01	DLCSW-336057	B (249.772 nm)	0.09	1.0073 (ppm)	39602.8593
5/7/2019 22:46:01	DLCSW-336057	Ba (230.424 nm)	0.52	2.1031 (ppm)	98231.5063
5/7/2019 22:46:01	DLCSW-336057	Be (313.107 nm)	0.07	0.0509 (ppm)	67570.4587
5/7/2019 22:46:01	DLCSW-336057	Ca (227.547 nm)	1.58	1.9469 (ppm)	120.1628
5/7/2019 22:46:01	DLCSW-336057	Cd (214.439 nm)	0.17	0.0529 (ppm)	1072.7905
5/7/2019 22:46:01	DLCSW-336057	Co (230.786 nm)	0.11	0.5284 (ppm)	6635.3083
5/7/2019 22:46:01	DLCSW-336057	Cr (267.716 nm)	0.08	0.2071 (ppm)	8456.3507
5/7/2019 22:46:01	DLCSW-336057	Cu (327.395 nm)	0.30	0.2449 (ppm)	16307.4028
5/7/2019 22:46:01	DLCSW-336057	Fe (234.350 nm)	0.06	1.0000 (ppm)	10840.4099
5/7/2019 22:46:01	DLCSW-336057	K (766.491 nm)	0.17	18.9742 (ppm)	68949.7156
5/7/2019 22:46:01	DLCSW-336057	Mg (279.078 nm)	0.06	2.0380 (ppm)	4602.0215
5/7/2019 22:46:01	DLCSW-336057	Mn (257.610 nm)	0.12	0.5098 (ppm)	159820.3210
5/7/2019 22:46:01	DLCSW-336057	Mo (202.032 nm)	0.27	0.5033 (ppm)	2848.6283
5/7/2019 22:46:01	DLCSW-336057	Na (588.995 nm)	0.30	19.3557 (ppm)	934632.5739
5/7/2019 22:46:01	DLCSW-336057	Ni (230.299 nm)	0.09	0.5182 (ppm)	5128.1382
5/7/2019 22:46:01	DLCSW-336057	Pb (220.353 nm)	0.16	0.5308 (ppm)	1486.3983
5/7/2019 22:46:01	DLCSW-336057	Sb (217.582 nm)	0.16	0.4806 (ppm)	557.6757

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:46:01	DLCSW-336057	Se (196.026 nm)	0.40	1.0492 (ppm)	511.8620
5/7/2019 22:46:01	DLCSW-336057	Sn (189.925 nm)	0.27	5.0987 (ppm)	3569.6809
5/7/2019 22:46:01	DLCSW-336057	Sr (216.596 nm)	0.25	2.1007 (ppm)	21160.9634
5/7/2019 22:46:01	DLCSW-336057	Ti (336.122 nm)	0.09	0.5088 (ppm)	125903.1213
5/7/2019 22:46:01	DLCSW-336057	Tl (351.923 nm)	0.14	1.9635 (ppm)	5638.8718
5/7/2019 22:46:01	DLCSW-336057	V (292.401 nm)	0.07	0.5027 (ppm)	15945.3315
5/7/2019 22:46:01	DLCSW-336057	Y (360.074 nm)	0.39	1.00 (Ratio)	968838.48
5/7/2019 22:46:01	DLCSW-336057	Y_R (360.074 nm)	0.39	1.00 (Ratio)	968838.48
5/7/2019 22:46:01	DLCSW-336057	Zn (213.857 nm)	0.33	0.5114 (ppm)	17230.7601
5/7/2019 22:49:20	R1903918-001	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-134.1615
5/7/2019 22:49:20	R1903918-001	Al (394.401 nm)	0.24	0.2519 (ppm)	4608.8164
5/7/2019 22:49:20	R1903918-001	As (188.980 nm)	4.38	0.0689 (ppm)	44.1911
5/7/2019 22:49:20	R1903918-001	B (249.772 nm)	0.09	15.1975 o (ppm)	595756.5179
5/7/2019 22:49:20	R1903918-001	Ba (230.424 nm)	0.13	1.6418 (ppm)	76694.8032
5/7/2019 22:49:20	R1903918-001	Be (313.107 nm)	28.96	0.0000 (ppm)	-276.4426
5/7/2019 22:49:20	R1903918-001	Ca (227.547 nm)	0.06	321.6072 o (ppm)	19701.5504
5/7/2019 22:49:20	R1903918-001	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	3.1666
5/7/2019 22:49:20	R1903918-001	Co (230.786 nm)	10.22	0.0023 (ppm)	26.3404
5/7/2019 22:49:20	R1903918-001	Cr (267.716 nm)	0.17	0.0719 (ppm)	2948.7152
5/7/2019 22:49:20	R1903918-001	Cu (327.395 nm)	1.96	0.0032 (ppm)	241.1720
5/7/2019 22:49:20	R1903918-001	Fe (234.350 nm)	0.13	1.4239 (ppm)	15414.2388
5/7/2019 22:49:20	R1903918-001	K (766.491 nm)	0.51	165.7837 o (ppm)	602513.4057
5/7/2019 22:49:20	R1903918-001	Mg (279.078 nm)	0.05	256.4067 o (ppm)	576044.3492
5/7/2019 22:49:20	R1903918-001	Mn (257.610 nm)	0.20	3.3953 o (ppm)	1064150.1427
5/7/2019 22:49:20	R1903918-001	Mo (202.032 nm)	30.30	0.0010 (ppm)	14.0175
5/7/2019 22:49:20	R1903918-001	Na (588.995 nm)	N/A	#### (ppm)	####
5/7/2019 22:49:20	R1903918-001	Ni (230.299 nm)	55.28	-0.0025 u (ppm)	-37.1892
5/7/2019 22:49:20	R1903918-001	Pb (220.353 nm)	48.38	-0.0017 u (ppm)	-1.0586
5/7/2019 22:49:20	R1903918-001	Sb (217.582 nm)	> 100.00	-0.0011 u (ppm)	-1.4393
5/7/2019 22:49:20	R1903918-001	Se (196.026 nm)	> 100.00	-0.0097 u (ppm)	-1.0637
5/7/2019 22:49:20	R1903918-001	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.8186
5/7/2019 22:49:20	R1903918-001	Sr (216.596 nm)	0.21	3.9483 (ppm)	39770.3415
5/7/2019 22:49:20	R1903918-001	Ti (336.122 nm)	0.99	0.0505 (ppm)	12544.6911
5/7/2019 22:49:20	R1903918-001	Tl (351.923 nm)	26.12	0.0121 (ppm)	36.0064
5/7/2019 22:49:20	R1903918-001	V (292.401 nm)	0.43	0.0271 (ppm)	905.0739
5/7/2019 22:49:20	R1903918-001	Y (360.074 nm)	0.54	0.85 (Ratio)	824869.28
5/7/2019 22:49:20	R1903918-001	Y_R (360.074 nm)	0.54	0.85 (Ratio)	824869.28
5/7/2019 22:49:20	R1903918-001	Zn (213.857 nm)	0.57	0.0105 (ppm)	347.9998
5/7/2019 22:52:39	R1903918-001L	Ag (328.068 nm)	54.67	-0.0002 u (ppm)	-143.5464
5/7/2019 22:52:39	R1903918-001L	Al (394.401 nm)	1.43	0.0508 (ppm)	1168.2645
5/7/2019 22:52:39	R1903918-001L	As (188.980 nm)	17.51	0.0114 (ppm)	7.1718
5/7/2019 22:52:39	R1903918-001L	B (249.772 nm)	0.06	2.8207 (ppm)	110673.2321
5/7/2019 22:52:39	R1903918-001L	Ba (230.424 nm)	0.46	0.3321 (ppm)	15548.0615
5/7/2019 22:52:39	R1903918-001L	Be (313.107 nm)	47.16	0.0000 u (ppm)	-314.7236
5/7/2019 22:52:39	R1903918-001L	Ca (227.547 nm)	0.14	57.5679 o (ppm)	3527.3304
5/7/2019 22:52:39	R1903918-001L	Cd (214.439 nm)	15.70	-0.0001 u (ppm)	1.6770
5/7/2019 22:52:39	R1903918-001L	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-0.9715
5/7/2019 22:52:39	R1903918-001L	Cr (267.716 nm)	0.45	0.0144 (ppm)	605.9383
5/7/2019 22:52:39	R1903918-001L	Cu (327.395 nm)	58.40	0.0002 (ppm)	39.8761
5/7/2019 22:52:39	R1903918-001L	Fe (234.350 nm)	0.30	0.2909 (ppm)	3187.7809
5/7/2019 22:52:39	R1903918-001L	K (766.491 nm)	0.37	29.4384 (ppm)	106980.7606

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:52:39	R1903918-001L	Mg (279.078 nm)	0.06	50.2558 (ppm)	112923.7979
5/7/2019 22:52:39	R1903918-001L	Mn (257.610 nm)	0.17	0.6968 (ppm)	218430.4980
5/7/2019 22:52:39	R1903918-001L	Mo (202.032 nm)	60.20	-0.0006 u (ppm)	4.7273
5/7/2019 22:52:39	R1903918-001L	Na (588.995 nm)	0.38	165.7152 o (ppm)	8056556.0229
5/7/2019 22:52:39	R1903918-001L	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-13.7162
5/7/2019 22:52:39	R1903918-001L	Pb (220.353 nm)	29.17	-0.0020 u (ppm)	-1.8385
5/7/2019 22:52:39	R1903918-001L	Sb (217.582 nm)	> 100.00	0.0002 u (ppm)	0.0398
5/7/2019 22:52:39	R1903918-001L	Se (196.026 nm)	39.87	-0.0071 u (ppm)	0.2000
5/7/2019 22:52:39	R1903918-001L	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.5280
5/7/2019 22:52:39	R1903918-001L	Sr (216.596 nm)	0.31	0.8204 (ppm)	8264.4218
5/7/2019 22:52:39	R1903918-001L	Ti (336.122 nm)	1.08	0.0096 (ppm)	2433.5586
5/7/2019 22:52:39	R1903918-001L	Tl (351.923 nm)	95.68	0.0029 u (ppm)	9.5034
5/7/2019 22:52:39	R1903918-001L	V (292.401 nm)	4.66	0.0051 (ppm)	209.4666
5/7/2019 22:52:39	R1903918-001L	Y (360.074 nm)	0.48	0.95 (Ratio)	928612.45
5/7/2019 22:52:39	R1903918-001L	Y_R (360.074 nm)	0.48	0.95 (Ratio)	928612.45
5/7/2019 22:52:39	R1903918-001L	Zn (213.857 nm)	4.82	0.0023 (ppm)	69.0274
5/7/2019 22:55:59	R1903953-002	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-136.3199
5/7/2019 22:55:59	R1903953-002	Al (394.401 nm)	3.24	0.0217 (ppm)	670.9334
5/7/2019 22:55:59	R1903953-002	As (188.980 nm)	> 100.00	-0.0023 u (ppm)	-1.6657
5/7/2019 22:55:59	R1903953-002	B (249.772 nm)	0.27	0.6918 (ppm)	27236.5633
5/7/2019 22:55:59	R1903953-002	Ba (230.424 nm)	1.89	0.0071 (ppm)	374.8642
5/7/2019 22:55:59	R1903953-002	Be (313.107 nm)	78.02	0.0000 u (ppm)	-307.0207
5/7/2019 22:55:59	R1903953-002	Ca (227.547 nm)	0.29	493.3928 o (ppm)	30224.6008
5/7/2019 22:55:59	R1903953-002	Cd (214.439 nm)	94.62	-0.0001 u (ppm)	1.9979
5/7/2019 22:55:59	R1903953-002	Co (230.786 nm)	81.22	-0.0002 u (ppm)	-5.0218
5/7/2019 22:55:59	R1903953-002	Cr (267.716 nm)	31.33	-0.0003 u (ppm)	4.6797
5/7/2019 22:55:59	R1903953-002	Cu (327.395 nm)	19.22	-0.0009 u (ppm)	-32.7665
5/7/2019 22:55:59	R1903953-002	Fe (234.350 nm)	0.32	0.2120 (ppm)	2335.7699
5/7/2019 22:55:59	R1903953-002	K (766.491 nm)	0.78	5.3095 (ppm)	19286.7323
5/7/2019 22:55:59	R1903953-002	Mg (279.078 nm)	0.05	85.5729 o (ppm)	192264.0945
5/7/2019 22:55:59	R1903953-002	Mn (257.610 nm)	0.33	0.0158 (ppm)	5010.8107
5/7/2019 22:55:59	R1903953-002	Mo (202.032 nm)	9.37	0.0009 (ppm)	13.7104
5/7/2019 22:55:59	R1903953-002	Na (588.995 nm)	0.54	106.4192 o (ppm)	5171181.7139
5/7/2019 22:55:59	R1903953-002	Ni (230.299 nm)	6.19	-0.0062 u (ppm)	-73.8934
5/7/2019 22:55:59	R1903953-002	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	3.5765
5/7/2019 22:55:59	R1903953-002	Sb (217.582 nm)	41.94	-0.0030 u (ppm)	-3.7281
5/7/2019 22:55:59	R1903953-002	Se (196.026 nm)	12.93	-0.0185 u (ppm)	-5.2980
5/7/2019 22:55:59	R1903953-002	Sn (189.925 nm)	79.32	-0.0034 u (ppm)	-3.2124
5/7/2019 22:55:59	R1903953-002	Sr (216.596 nm)	1.36	15.7077 o (ppm)	158218.8076
5/7/2019 22:55:59	R1903953-002	Ti (336.122 nm)	1.77	0.0023 (ppm)	628.8687
5/7/2019 22:55:59	R1903953-002	Tl (351.923 nm)	2.07	0.0212 (ppm)	62.0279
5/7/2019 22:55:59	R1903953-002	V (292.401 nm)	33.48	-0.0010 u (ppm)	19.2401
5/7/2019 22:55:59	R1903953-002	Y (360.074 nm)	0.43	0.89 (Ratio)	870609.16
5/7/2019 22:55:59	R1903953-002	Y_R (360.074 nm)	0.43	0.89 (Ratio)	870609.16
5/7/2019 22:55:59	R1903953-002	Zn (213.857 nm)	5.77	0.0017 (ppm)	50.2165
5/7/2019 22:59:18	R1903953-003	Ag (328.068 nm)	87.16	-0.0002 u (ppm)	-142.5336
5/7/2019 22:59:18	R1903953-003	Al (394.401 nm)	3.47	0.0165 (ppm)	581.5391
5/7/2019 22:59:18	R1903953-003	As (188.980 nm)	60.11	-0.0025 u (ppm)	-1.8065
5/7/2019 22:59:18	R1903953-003	B (249.772 nm)	0.14	0.1146 (ppm)	4614.4866
5/7/2019 22:59:18	R1903953-003	Ba (230.424 nm)	0.46	0.0271 (ppm)	1309.7102
5/7/2019 22:59:18	R1903953-003	Be (313.107 nm)	61.51	0.0000 u (ppm)	-313.2610

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 22:59:18	R1903953-003	Ca (227.547 nm)	0.19	96.7335 o (ppm)	5926.4913
5/7/2019 22:59:18	R1903953-003	Cd (214.439 nm)	97.46	-0.0002 u (ppm)	1.0216
5/7/2019 22:59:18	R1903953-003	Co (230.786 nm)	64.42	0.0005 (ppm)	3.6413
5/7/2019 22:59:18	R1903953-003	Cr (267.716 nm)	24.26	0.0005 (ppm)	38.1491
5/7/2019 22:59:18	R1903953-003	Cu (327.395 nm)	53.22	-0.0005 u (ppm)	-9.8428
5/7/2019 22:59:18	R1903953-003	Fe (234.350 nm)	0.32	0.0916 (ppm)	1036.3484
5/7/2019 22:59:18	R1903953-003	K (766.491 nm)	0.43	3.2831 (ppm)	11921.8664
5/7/2019 22:59:18	R1903953-003	Mg (279.078 nm)	0.27	46.2763 (ppm)	103983.8752
5/7/2019 22:59:18	R1903953-003	Mn (257.610 nm)	0.64	0.0048 (ppm)	1552.1828
5/7/2019 22:59:18	R1903953-003	Mo (202.032 nm)	46.10	-0.0009 u (ppm)	3.4927
5/7/2019 22:59:18	R1903953-003	Na (588.995 nm)	0.33	16.6930 (ppm)	805064.3615
5/7/2019 22:59:18	R1903953-003	Ni (230.299 nm)	12.91	-0.0065 u (ppm)	-76.4079
5/7/2019 22:59:18	R1903953-003	Pb (220.353 nm)	85.63	-0.0011 u (ppm)	0.6210
5/7/2019 22:59:18	R1903953-003	Sb (217.582 nm)	> 100.00	-0.0015 u (ppm)	-1.8943
5/7/2019 22:59:18	R1903953-003	Se (196.026 nm)	40.97	-0.0127 u (ppm)	-2.4744
5/7/2019 22:59:18	R1903953-003	Sn (189.925 nm)	> 100.00	-0.0012 u (ppm)	-1.6712
5/7/2019 22:59:18	R1903953-003	Sr (216.596 nm)	0.89	11.5727 o (ppm)	116568.8210
5/7/2019 22:59:18	R1903953-003	Ti (336.122 nm)	13.48	0.0003 (ppm)	116.9046
5/7/2019 22:59:18	R1903953-003	Ti (351.923 nm)	34.27	0.0055 (ppm)	17.2028
5/7/2019 22:59:18	R1903953-003	V (292.401 nm)	5.14	-0.0007 u (ppm)	28.7823
5/7/2019 22:59:18	R1903953-003	Y (360.074 nm)	0.22	0.96 (Ratio)	936448.69
5/7/2019 22:59:18	R1903953-003	Y_R (360.074 nm)	0.22	0.96 (Ratio)	938448.69
5/7/2019 22:59:18	R1903953-003	Zn (213.857 nm)	15.02	0.0005 (ppm)	9.0675
5/7/2019 23:02:37	R1903953-004	Ag (328.068 nm)	> 100.00	-0.0002 u (ppm)	-143.9255
5/7/2019 23:02:37	R1903953-004	Al (394.401 nm)	6.12	0.0136 (ppm)	532.2526
5/7/2019 23:02:37	R1903953-004	As (188.980 nm)	> 100.00	-0.0010 u (ppm)	-0.8069
5/7/2019 23:02:37	R1903953-004	B (230.772 nm)	0.01	0.1243 (ppm)	4996.8197
5/7/2019 23:02:37	R1903953-004	Ba (230.424 nm)	0.17	0.0884 (ppm)	4169.5955
5/7/2019 23:02:37	R1903953-004	Be (313.107 nm)	76.51	0.0000 u (ppm)	-312.3289
5/7/2019 23:02:37	R1903953-004	Ca (227.547 nm)	0.06	62.7798 o (ppm)	3846.5928
5/7/2019 23:02:37	R1903953-004	Cd (214.439 nm)	97.13	-0.0003 u (ppm)	-0.4500
5/7/2019 23:02:37	R1903953-004	Co (230.786 nm)	63.03	-0.0006 u (ppm)	-9.3043
5/7/2019 23:02:37	R1903953-004	Cr (267.716 nm)	21.94	-0.0003 u (ppm)	7.1617
5/7/2019 23:02:37	R1903953-004	Cu (327.395 nm)	26.00	-0.0005 u (ppm)	-8.8779
5/7/2019 23:02:37	R1903953-004	Fe (234.350 nm)	0.44	0.1106 (ppm)	1242.1081
5/7/2019 23:02:37	R1903953-004	K (766.491 nm)	0.40	5.0334 (ppm)	18283.1386
5/7/2019 23:02:37	R1903953-004	Mg (279.078 nm)	0.06	47.2391 (ppm)	106146.7202
5/7/2019 23:02:37	R1903953-004	Mn (257.610 nm)	0.16	0.0049 (ppm)	1587.8393
5/7/2019 23:02:37	R1903953-004	Mo (202.032 nm)	12.63	0.0014 (ppm)	16.5274
5/7/2019 23:02:37	R1903953-004	Na (588.995 nm)	0.25	21.5014 (ppm)	1039042.9700
5/7/2019 23:02:37	R1903953-004	Ni (230.299 nm)	10.17	-0.0044 u (ppm)	-56.2160
5/7/2019 23:02:37	R1903953-004	Pb (220.353 nm)	30.25	-0.0017 u (ppm)	-1.0743
5/7/2019 23:02:37	R1903953-004	Sb (217.582 nm)	> 100.00	0.0011 u (ppm)	1.0198
5/7/2019 23:02:37	R1903953-004	Se (196.026 nm)	99.06	-0.0054 u (ppm)	1.0214
5/7/2019 23:02:37	R1903953-004	Sn (189.925 nm)	> 100.00	-0.0009 u (ppm)	-1.4675
5/7/2019 23:02:37	R1903953-004	Sr (216.596 nm)	0.71	8.6822 o (ppm)	87453.4105
5/7/2019 23:02:37	R1903953-004	Ti (336.122 nm)	53.40	0.0001 (ppm)	65.0375
5/7/2019 23:02:37	R1903953-004	Ti (351.923 nm)	80.89	0.0053 (ppm)	16.6296
5/7/2019 23:02:37	R1903953-004	V (292.401 nm)	11.26	-0.0006 u (ppm)	30.9883
5/7/2019 23:02:37	R1903953-004	Y (360.074 nm)	0.37	0.97 (Ratio)	940156.67
5/7/2019 23:02:37	R1903953-004	Y_R (360.074 nm)	0.37	0.97 (Ratio)	940156.67

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:02:37	R1903953-004	Zn (213.857 nm)	18.64	0.0007 (ppm)	15.5292
5/7/2019 23:05:56	R1903953-005	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-140.6503
5/7/2019 23:05:56	R1903953-005	Al (394.401 nm)	1.22	0.0542 (ppm)	1225.9889
5/7/2019 23:05:56	R1903953-005	As (188.980 nm)	> 100.00	-0.0002 u (ppm)	-0.3438
5/7/2019 23:05:56	R1903953-005	B (249.772 nm)	0.30	0.1574 (ppm)	6291.0593
5/7/2019 23:05:56	R1903953-005	Ba (230.424 nm)	0.26	0.0837 (ppm)	3952.8906
5/7/2019 23:05:56	R1903953-005	Be (313.107 nm)	25.05	0.0000 u (ppm)	-322.0807
5/7/2019 23:05:56	R1903953-005	Ca (227.547 nm)	0.32	207.2739 o (ppm)	12697.8537
5/7/2019 23:05:56	R1903953-005	Cd (214.439 nm)	35.35	-0.0002 u (ppm)	-0.0309
5/7/2019 23:05:56	R1903953-005	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-3.6635
5/7/2019 23:05:56	R1903953-005	Cr (267.716 nm)	74.31	-0.0002 u (ppm)	9.6557
5/7/2019 23:05:56	R1903953-005	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	28.1968
5/7/2019 23:05:56	R1903953-005	Fe (234.350 nm)	0.16	0.0873 (ppm)	990.2708
5/7/2019 23:05:56	R1903953-005	K (766.491 nm)	0.45	8.8778 (ppm)	32255.3162
5/7/2019 23:05:56	R1903953-005	Mg (279.078 nm)	0.08	77.0235 o (ppm)	173057.6718
5/7/2019 23:05:56	R1903953-005	Mn (257.610 nm)	0.14	0.0153 (ppm)	4862.5365
5/7/2019 23:05:56	R1903953-005	Mo (202.032 nm)	88.69	-0.0005 u (ppm)	5.3472
5/7/2019 23:05:56	R1903953-005	Na (588.995 nm)	0.64	102.8335 o (ppm)	4996699.5221
5/7/2019 23:05:56	R1903953-005	Ni (230.299 nm)	10.26	-0.0056 u (ppm)	-68.2133
5/7/2019 23:05:56	R1903953-005	Pb (220.353 nm)	> 100.00	-0.0008 u (ppm)	1.3849
5/7/2019 23:05:56	R1903953-005	Sb (217.582 nm)	63.67	-0.0031 u (ppm)	-3.8274
5/7/2019 23:05:56	R1903953-005	Se (196.026 nm)	71.35	-0.0084 u (ppm)	-0.3994
5/7/2019 23:05:56	R1903953-005	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4400
5/7/2019 23:05:56	R1903953-005	Sr (216.596 nm)	0.27	4.9876 (ppm)	50239.6927
5/7/2019 23:05:56	R1903953-005	Ti (336.122 nm)	0.44	0.0021 (ppm)	565.4908
5/7/2019 23:05:56	R1903953-005	Tl (351.923 nm)	30.21	0.0068 (ppm)	20.9281
5/7/2019 23:05:56	R1903953-005	V (292.401 nm)	12.84	-0.0007 u (ppm)	27.4705
5/7/2019 23:05:56	R1903953-005	Y (360.074 nm)	0.41	0.92 (Ratio)	896056.94
5/7/2019 23:05:56	R1903953-005	Y_R (360.074 nm)	0.41	0.92 (Ratio)	896056.94
5/7/2019 23:05:56	R1903953-005	Zn (213.857 nm)	2.54	0.0028 (ppm)	86.8997
5/7/2019 23:09:16	R1903953-006	Ag (328.068 nm)	65.72	-0.0001 u (ppm)	-141.4493
5/7/2019 23:09:16	R1903953-006	Al (394.401 nm)	0.75	0.0512 (ppm)	1174.6016
5/7/2019 23:09:16	R1903953-006	As (188.980 nm)	> 100.00	-0.0013 u (ppm)	-1.0553
5/7/2019 23:09:16	R1903953-006	B (249.772 nm)	0.03	0.1816 (ppm)	7239.9116
5/7/2019 23:09:16	R1903953-006	Ba (230.424 nm)	0.47	0.0696 (ppm)	3293.9191
5/7/2019 23:09:16	R1903953-006	Be (313.107 nm)	22.76	0.0000 u (ppm)	-327.5118
5/7/2019 23:09:16	R1903953-006	Ca (227.547 nm)	0.24	209.8736 o (ppm)	12857.1010
5/7/2019 23:09:16	R1903953-006	Cd (214.439 nm)	39.33	-0.0001 u (ppm)	2.0538
5/7/2019 23:09:16	R1903953-006	Co (230.786 nm)	9.03	0.0011 (ppm)	11.5545
5/7/2019 23:09:16	R1903953-006	Cr (267.716 nm)	42.55	0.0007 (ppm)	45.3972
5/7/2019 23:09:16	R1903953-006	Cu (327.395 nm)	> 100.00	0.0001 (ppm)	33.1616
5/7/2019 23:09:16	R1903953-006	Fe (234.350 nm)	0.17	0.3151 (ppm)	3448.8903
5/7/2019 23:09:16	R1903953-006	K (766.491 nm)	0.34	14.4279 (ppm)	52426.5190
5/7/2019 23:09:16	R1903953-006	Mg (279.078 nm)	0.18	63.8830 o (ppm)	143537.5660
5/7/2019 23:09:16	R1903953-006	Mn (257.610 nm)	0.31	0.0797 (ppm)	25031.2132
5/7/2019 23:09:16	R1903953-006	Mo (202.032 nm)	61.72	-0.0006 u (ppm)	5.1153
5/7/2019 23:09:16	R1903953-006	Na (588.995 nm)	0.36	134.4315 o (ppm)	6534277.2502
5/7/2019 23:09:16	R1903953-006	Ni (230.299 nm)	> 100.00	-0.0007 u (ppm)	-19.6399
5/7/2019 23:09:16	R1903953-006	Pb (220.353 nm)	4.22	-0.0016 u (ppm)	-0.8462
5/7/2019 23:09:16	R1903953-006	Sb (217.582 nm)	> 100.00	0.0010 u (ppm)	0.9927
5/7/2019 23:09:16	R1903953-006	Se (196.026 nm)	76.18	-0.0061 u (ppm)	0.6902

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:09:16	R1903953-006	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.4298
5/7/2019 23:09:16	R1903953-006	Sr (216.596 nm)	0.92	1.9203 (ppm)	19343.4490
5/7/2019 23:09:16	R1903953-006	Ti (336.122 nm)	4.43	0.0013 (ppm)	366.9881
5/7/2019 23:09:16	R1903953-006	Tl (351.923 nm)	31.31	0.0079 (ppm)	23.9890
5/7/2019 23:09:16	R1903953-006	V (292.401 nm)	37.55	-0.0007 u (ppm)	27.4632
5/7/2019 23:09:16	R1903953-006	Y (360.074 nm)	0.23	0.92 (Ratio)	895750.92
5/7/2019 23:09:16	R1903953-006	Y_R (360.074 nm)	0.23	0.92 (Ratio)	895750.92
5/7/2019 23:09:16	R1903953-006	Zn (213.857 nm)	4.01	0.0023 (ppm)	71.2816
5/7/2019 23:12:36	Continuing Calibration Verification1	Ag (328.068 nm)	0.15	0.4959 (ppm)	36922.2011
5/7/2019 23:12:36	Continuing Calibration Verification1	Al (394.401 nm)	0.04	9.6450 (ppm)	165287.2610
5/7/2019 23:12:36	Continuing Calibration Verification1	As (188.980 nm)	0.92	0.9917 (ppm)	638.4887
5/7/2019 23:12:36	Continuing Calibration Verification1	B (249.772 nm)	0.25	2.4788 (ppm)	97274.1771
5/7/2019 23:12:36	Continuing Calibration Verification1	Ba (230.424 nm)	0.24	10.4869 (ppm)	489655.4197
5/7/2019 23:12:36	Continuing Calibration Verification1	Be (313.107 nm)	0.14	0.2565 (ppm)	341838.4791
5/7/2019 23:12:36	Continuing Calibration Verification1	Ca (227.547 nm)	0.22	24.2267 (ppm)	1484.9513
5/7/2019 23:12:36	Continuing Calibration Verification1	Cd (214.439 nm)	0.25	0.5099 (ppm)	10301.2155
5/7/2019 23:12:36	Continuing Calibration Verification1	Co (230.786 nm)	0.16	2.6551 (ppm)	33348.0027
5/7/2019 23:12:36	Continuing Calibration Verification1	Cr (267.716 nm)	0.22	0.5168 (ppm)	21077.4383
5/7/2019 23:12:36	Continuing Calibration Verification1	Cu (327.395 nm)	0.14	1.2133 (ppm)	80686.9363
5/7/2019 23:12:36	Continuing Calibration Verification1	Fe (234.350 nm)	0.22	4.9784 (ppm)	53774.1785
5/7/2019 23:12:36	Continuing Calibration Verification1	K (766.491 nm)	0.22	24.3188 (ppm)	88374.0715
5/7/2019 23:12:36	Continuing Calibration Verification1	Mg (279.078 nm)	0.19	25.3695 (ppm)	57016.3734
5/7/2019 23:12:36	Continuing Calibration Verification1	Mn (257.610 nm)	0.19	0.7639 (ppm)	239455.4920
5/7/2019 23:12:36	Continuing Calibration Verification1	Mo (202.032 nm)	0.25	2.5165 (ppm)	14209.4852
5/7/2019 23:12:36	Continuing Calibration Verification1	Na (588.995 nm)	0.15	24.5115 (ppm)	1185516.2045
5/7/2019 23:12:36	Continuing Calibration Verification1	Ni (230.299 nm)	0.21	2.0413 (ppm)	20235.6544
5/7/2019 23:12:36	Continuing Calibration Verification1	Pb (220.353 nm)	0.64	0.5141 (ppm)	1439.6365
5/7/2019 23:12:36	Continuing Calibration Verification1	Sb (217.582 nm)	0.34	4.8515 (ppm)	5631.1525
5/7/2019 23:12:36	Continuing Calibration Verification1	Se (196.026 nm)	1.31	0.4904 (ppm)	241.1800
5/7/2019 23:12:36	Continuing Calibration Verification1	Sn (189.925 nm)	0.08	5.1209 (ppm)	3585.2520
5/7/2019 23:12:36	Continuing Calibration Verification1	Sr (216.596 nm)	0.48	2.5746 (ppm)	25934.0658
5/7/2019 23:12:36	Continuing Calibration Verification1	Ti (336.122 nm)	0.38	2.5420 (ppm)	628763.1903
5/7/2019 23:12:36	Continuing Calibration Verification1	Tl (351.923 nm)	0.26	1.0193 (ppm)	2927.9657
5/7/2019 23:12:36	Continuing Calibration Verification1	V (292.401 nm)	0.04	2.5732 (ppm)	81421.3712
5/7/2019 23:12:36	Continuing Calibration Verification1	Y (360.074 nm)	0.51	0.96 (Ratio)	931159.42
5/7/2019 23:12:36	Continuing Calibration Verification1	Y_R (360.074 nm)	0.51	0.96 (Ratio)	931159.42
5/7/2019 23:12:36	Continuing Calibration Verification1	Zn (213.857 nm)	0.13	0.9952 (ppm)	33542.0962
5/7/2019 23:15:56	Continuing Calibration Blank1	Ag (328.068 nm)	43.31	-0.0001 u (ppm)	-139.2393
5/7/2019 23:15:56	Continuing Calibration Blank1	Al (394.401 nm)	8.02	-0.0063 u (ppm)	191.5614
5/7/2019 23:15:56	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0003 u (ppm)	-0.3795
5/7/2019 23:15:56	Continuing Calibration Blank1	B (249.772 nm)	> 100.00	0.0002 (ppm)	130.6504
5/7/2019 23:15:56	Continuing Calibration Blank1	Ba (230.424 nm)	> 100.00	0.0001 u (ppm)	47.4727
5/7/2019 23:15:56	Continuing Calibration Blank1	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-286.5011
5/7/2019 23:15:56	Continuing Calibration Blank1	Ca (227.547 nm)	> 100.00	-0.0093 u (ppm)	0.3305
5/7/2019 23:15:56	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	3.9599
5/7/2019 23:15:56	Continuing Calibration Blank1	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.0724
5/7/2019 23:15:56	Continuing Calibration Blank1	Cr (267.716 nm)	89.16	-0.0001 u (ppm)	12.7889
5/7/2019 23:15:56	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	27.7058
5/7/2019 23:15:56	Continuing Calibration Blank1	Fe (234.350 nm)	92.71	-0.0007 u (ppm)	40.7233
5/7/2019 23:15:56	Continuing Calibration Blank1	K (766.491 nm)	> 100.00	-0.0067 u (ppm)	-34.4863
5/7/2019 23:15:56	Continuing Calibration Blank1	Mg (279.078 nm)	50.67	-0.0042 u (ppm)	14.1466

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:15:56	Continuing Calibration Blank1	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	55.6411
5/7/2019 23:15:56	Continuing Calibration Blank1	Mo (202.032 nm)	32.88	0.0022 (ppm)	20.8142
5/7/2019 23:15:56	Continuing Calibration Blank1	Na (588.995 nm)	19.86	-0.0112 u (ppm)	-7770.6744
5/7/2019 23:15:56	Continuing Calibration Blank1	Ni (230.299 nm)	10.11	0.0027 (ppm)	14.2465
5/7/2019 23:15:56	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	3.9872
5/7/2019 23:15:56	Continuing Calibration Blank1	Sb (217.582 nm)	> 100.00	0.0004 u (ppm)	0.2653
5/7/2019 23:15:56	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	-0.0015 u (ppm)	2.9517
5/7/2019 23:15:56	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	0.0007 (ppm)	-0.3699
5/7/2019 23:15:56	Continuing Calibration Blank1	Sr (216.596 nm)	26.53	0.0003 (ppm)	3.6142
5/7/2019 23:15:56	Continuing Calibration Blank1	Ti (336.122 nm)	50.13	0.0007 (ppm)	217.7340
5/7/2019 23:15:56	Continuing Calibration Blank1	Tl (351.923 nm)	23.24	-0.0017 u (ppm)	-3.6002
5/7/2019 23:15:56	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.9081
5/7/2019 23:15:56	Continuing Calibration Blank1	Y (360.074 nm)	0.43	1.01 (Ratio)	980273.01
5/7/2019 23:15:56	Continuing Calibration Blank1	Y_R (360.074 nm)	0.43	1.01 (Ratio)	980273.01
5/7/2019 23:15:56	Continuing Calibration Blank1	Zn (213.857 nm)	4.36	0.0001 (ppm)	-2.9731
5/7/2019 23:19:15	R1903953-007	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-139.6625
5/7/2019 23:19:15	R1903953-007	Al (394.401 nm)	0.56	0.0256 (ppm)	736.9990
5/7/2019 23:19:15	R1903953-007	As (188.980 nm)	> 100.00	0.0000 u (ppm)	-0.1633
5/7/2019 23:19:15	R1903953-007	B (249.772 nm)	0.17	0.4530 (ppm)	17878.2807
5/7/2019 23:19:15	R1903953-007	Ba (230.424 nm)	0.59	0.0112 (ppm)	565.3096
5/7/2019 23:19:15	R1903953-007	Be (313.107 nm)	76.10	0.0000 u (ppm)	-304.8601
5/7/2019 23:19:15	R1903953-007	Ca (227.547 nm)	0.09	403.4524 u (ppm)	24715.1360
5/7/2019 23:19:15	R1903953-007	Cd (214.439 nm)	> 100.00	-0.0002 u (ppm)	1.4193
5/7/2019 23:19:15	R1903953-007	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.1045
5/7/2019 23:19:15	R1903953-007	Cr (267.716 nm)	43.75	-0.0003 u (ppm)	5.4877
5/7/2019 23:19:15	R1903953-007	Cu (327.395 nm)	13.88	-0.0007 u (ppm)	-21.7155
5/7/2019 23:19:15	R1903953-007	Fe (234.350 nm)	0.48	1.1045 (ppm)	11967.9332
5/7/2019 23:19:15	R1903953-007	K (766.491 nm)	0.50	5.1734 (ppm)	18792.0247
5/7/2019 23:19:15	R1903953-007	Mg (279.078 nm)	0.45	76.7506 u (ppm)	172444.8319
5/7/2019 23:19:15	R1903953-007	Mn (257.610 nm)	0.44	0.0410 (ppm)	12925.8207
5/7/2019 23:19:15	R1903953-007	Mo (202.032 nm)	98.06	0.0007 (ppm)	12.2559
5/7/2019 23:19:15	R1903953-007	Na (588.995 nm)	0.39	83.3481 u (ppm)	4048533.2277
5/7/2019 23:19:15	R1903953-007	Ni (230.299 nm)	14.67	-0.0058 u (ppm)	-69.7333
5/7/2019 23:19:15	R1903953-007	Pb (220.353 nm)	> 100.00	-0.0007 u (ppm)	1.8551
5/7/2019 23:19:15	R1903953-007	Sb (217.582 nm)	> 100.00	-0.0008 u (ppm)	-1.1040
5/7/2019 23:19:15	R1903953-007	Se (196.026 nm)	30.06	-0.0107 u (ppm)	-1.5048
5/7/2019 23:19:15	R1903953-007	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4317
5/7/2019 23:19:15	R1903953-007	Sr (216.596 nm)	0.91	17.5443 u (ppm)	176718.5632
5/7/2019 23:19:15	R1903953-007	Ti (336.122 nm)	2.16	0.0021 (ppm)	581.1118
5/7/2019 23:19:15	R1903953-007	Tl (351.923 nm)	6.58	0.0190 (ppm)	55.7584
5/7/2019 23:19:15	R1903953-007	V (292.401 nm)	34.06	-0.0010 u (ppm)	19.2793
5/7/2019 23:19:15	R1903953-007	Y (360.074 nm)	0.28	0.90 (Ratio)	879167.17
5/7/2019 23:19:15	R1903953-007	Y_R (360.074 nm)	0.28	0.90 (Ratio)	879167.17
5/7/2019 23:19:15	R1903953-007	Zn (213.857 nm)	2.63	0.0015 (ppm)	43.4085
5/7/2019 23:22:35	R1903953-008	Ag (328.068 nm)	62.51	-0.0002 u (ppm)	-144.7287
5/7/2019 23:22:35	R1903953-008	Al (394.401 nm)	1.28	0.0202 (ppm)	644.2305
5/7/2019 23:22:35	R1903953-008	As (188.980 nm)	43.34	0.0072 (ppm)	4.4662
5/7/2019 23:22:35	R1903953-008	B (249.772 nm)	0.10	0.1038 (ppm)	4191.1743
5/7/2019 23:22:35	R1903953-008	Ba (230.424 nm)	0.31	0.1633 (ppm)	7667.5454
5/7/2019 23:22:35	R1903953-008	Be (313.107 nm)	68.78	0.0000 u (ppm)	-312.6660
5/7/2019 23:22:35	R1903953-008	Ca (227.547 nm)	0.02	85.6024 u (ppm)	5244.6376

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:22:35	R1903953-008	Cd (214.439 nm)	92.00	-0.0002 u (ppm)	1.5908
5/7/2019 23:22:35	R1903953-008	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.0868
5/7/2019 23:22:35	R1903953-008	Cr (267.716 nm)	30.40	0.0005 (ppm)	39.1807
5/7/2019 23:22:35	R1903953-008	Cu (327.395 nm)	19.05	-0.0004 u (ppm)	-0.6246
5/7/2019 23:22:35	R1903953-008	Fe (234.350 nm)	0.33	0.6732 (ppm)	7313.1282
5/7/2019 23:22:35	R1903953-008	K (766.491 nm)	0.16	2.5982 (ppm)	9432.5686
5/7/2019 23:22:35	R1903953-008	Mg (279.078 nm)	0.23	82.9370 o (ppm)	186342.4751
5/7/2019 23:22:35	R1903953-008	Mn (257.610 nm)	0.31	0.0113 (ppm)	3619.8128
5/7/2019 23:22:35	R1903953-008	Mo (202.032 nm)	19.52	0.0034 (ppm)	27.3950
5/7/2019 23:22:35	R1903953-008	Na (588.895 nm)	0.38	39.5413 (ppm)	1916869.6620
5/7/2019 23:22:35	R1903953-008	Ni (230.299 nm)	10.58	-0.0075 u (ppm)	-87.1567
5/7/2019 23:22:35	R1903953-008	Pb (220.353 nm)	82.91	-0.0013 u (ppm)	0.1121
5/7/2019 23:22:35	R1903953-008	Sb (217.582 nm)	50.87	0.0024 (ppm)	2.5339
5/7/2019 23:22:35	R1903953-008	Se (196.026 nm)	34.37	-0.0029 u (ppm)	2.2757
5/7/2019 23:22:35	R1903953-008	Sn (189.925 nm)	> 100.00	-0.0026 u (ppm)	-2.6875
5/7/2019 23:22:35	R1903953-008	Sr (216.596 nm)	0.94	7.1601 o (ppm)	72122.4757
5/7/2019 23:22:35	R1903953-008	Ti (336.122 nm)	9.24	0.0004 (ppm)	142.7260
5/7/2019 23:22:35	R1903953-008	Tl (351.923 nm)	49.29	0.0049 (ppm)	15.4634
5/7/2019 23:22:35	R1903953-008	V (292.401 nm)	22.72	-0.0008 u (ppm)	25.4258
5/7/2019 23:22:35	R1903953-008	Y (360.074 nm)	0.21	0.96 (Ratio)	930154.05
5/7/2019 23:22:35	R1903953-008	Y_R (360.074 nm)	0.21	0.96 (Ratio)	930154.05
5/7/2019 23:22:35	R1903953-008	Zn (213.857 nm)	2.59	0.0020 (ppm)	60.7874
5/7/2019 23:25:54	R1903953-009	Ag (328.068 nm)	37.61	-0.0002 u (ppm)	-143.5059
5/7/2019 23:25:54	R1903953-009	Al (394.401 nm)	2.83	0.0147 (ppm)	551.1591
5/7/2019 23:25:54	R1903953-009	As (188.980 nm)	3.73	0.0192 (ppm)	12.1720
5/7/2019 23:25:54	R1903953-009	B (249.772 nm)	0.32	0.0817 (ppm)	3324.2859
5/7/2019 23:25:54	R1903953-009	Ba (230.424 nm)	0.50	0.0993 (ppm)	4680.7303
5/7/2019 23:25:54	R1903953-009	Be (313.107 nm)	34.22	0.0000 u (ppm)	-320.2280
5/7/2019 23:25:54	R1903953-009	Ca (227.547 nm)	0.29	49.7760 (ppm)	3050.0192
5/7/2019 23:25:54	R1903953-009	Cd (214.439 nm)	37.00	-0.0002 u (ppm)	0.6236
5/7/2019 23:25:54	R1903953-009	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.4163
5/7/2019 23:25:54	R1903953-009	Cr (267.716 nm)	89.73	-0.0001 u (ppm)	14.1147
5/7/2019 23:25:54	R1903953-009	Cu (327.395 nm)	54.59	-0.0004 u (ppm)	-2.6845
5/7/2019 23:25:54	R1903953-009	Fe (234.350 nm)	0.29	0.6177 (ppm)	6714.2481
5/7/2019 23:25:54	R1903953-009	K (766.491 nm)	0.65	2.1042 (ppm)	7637.4927
5/7/2019 23:25:54	R1903953-009	Mg (279.078 nm)	0.13	73.4024 o (ppm)	164922.8595
5/7/2019 23:25:54	R1903953-009	Mn (257.610 nm)	0.12	0.0102 (ppm)	3246.3227
5/7/2019 23:25:54	R1903953-009	Mo (202.032 nm)	21.61	0.0015 (ppm)	17.0629
5/7/2019 23:25:54	R1903953-009	Na (588.895 nm)	0.43	18.0294 (ppm)	870092.1455
5/7/2019 23:25:54	R1903953-008	Ni (230.299 nm)	6.70	-0.0120 u (ppm)	-131.5587
5/7/2019 23:25:54	R1903953-009	Pb (220.353 nm)	69.80	-0.0009 u (ppm)	1.2082
5/7/2019 23:25:54	R1903953-009	Sb (217.582 nm)	78.79	-0.0018 u (ppm)	-2.3369
5/7/2019 23:25:54	R1903953-009	Se (196.026 nm)	> 100.00	-0.0039 u (ppm)	1.7663
5/7/2019 23:25:54	R1903953-008	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7562
5/7/2019 23:25:54	R1903953-009	Sr (216.596 nm)	0.18	2.7034 (ppm)	27231.0948
5/7/2019 23:25:54	R1903953-009	Ti (336.122 nm)	78.43	0.0001 (ppm)	75.4641
5/7/2019 23:25:54	R1903953-009	Tl (351.923 nm)	> 100.00	-0.0001 u (ppm)	0.8635
5/7/2019 23:25:54	R1903953-009	V (292.401 nm)	17.99	-0.0006 u (ppm)	30.2676
5/7/2019 23:25:54	R1903953-009	Y (360.074 nm)	0.34	0.97 (Ratio)	944255.85
5/7/2019 23:25:54	R1903953-009	Y_R (360.074 nm)	0.34	0.97 (Ratio)	944255.85
5/7/2019 23:25:54	R1903953-009	Zn (213.857 nm)	0.44	0.0010 (ppm)	25.6278

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:29:13	R1903953-010	Ag (328.068 nm)	92.20	-0.0001 u (ppm)	-141.7060
5/7/2019 23:29:13	R1903953-010	Al (394.401 nm)	1.49	0.0518 (ppm)	1184.6814
5/7/2019 23:29:13	R1903953-010	As (188.980 nm)	> 100.00	0.0047 (ppm)	2.8556
5/7/2019 23:29:13	R1903953-010	B (249.772 nm)	1.99	0.1234 (ppm)	4958.1941
5/7/2019 23:29:13	R1903953-010	Ba (230.424 nm)	1.68	0.1006 (ppm)	4738.3479
5/7/2019 23:29:13	R1903953-010	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-303.0092
5/7/2019 23:29:13	R1903953-010	Ca (227.547 nm)	1.75	55.4072 o (ppm)	3394.9722
5/7/2019 23:29:13	R1903953-010	Cd (214.439 nm)	83.91	-0.0001 u (ppm)	2.0011
5/7/2019 23:29:13	R1903953-010	Co (230.786 nm)	> 100.00	-0.0004 u (ppm)	-7.4242
5/7/2019 23:29:13	R1903953-010	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	16.8397
5/7/2019 23:29:13	R1903953-010	Cu (327.395 nm)	26.53	-0.0002 u (ppm)	10.4927
5/7/2019 23:29:13	R1903953-010	Fe (234.350 nm)	1.71	0.3641 (ppm)	3977.1021
5/7/2019 23:29:13	R1903953-010	K (766.491 nm)	1.58	1.9523 (ppm)	7085.2822
5/7/2019 23:29:13	R1903953-010	Mg (279.078 nm)	1.73	70.8399 o (ppm)	159166.2452
5/7/2019 23:29:13	R1903953-010	Mn (257.610 nm)	1.97	0.0038 (ppm)	1263.4364
5/7/2019 23:29:13	R1903953-010	Mo (202.032 nm)	23.71	0.0024 (ppm)	21.9402
5/7/2019 23:29:13	R1903953-010	Na (588.995 nm)	1.52	22.1402 (ppm)	1070125.8825
5/7/2019 23:29:13	R1903953-010	Ni (230.299 nm)	4.48	-0.0096 u (ppm)	-107.1227
5/7/2019 23:29:13	R1903953-010	Pb (220.353 nm)	48.44	-0.0014 u (ppm)	-0.2741
5/7/2019 23:29:13	R1903953-010	Sb (217.582 nm)	> 100.00	-0.0009 u (ppm)	-1.2946
5/7/2019 23:29:13	R1903953-010	Se (196.026 nm)	39.22	-0.0076 u (ppm)	-0.0186
5/7/2019 23:29:13	R1903953-010	Sn (189.925 nm)	80.33	-0.0028 u (ppm)	-2.8280
5/7/2019 23:29:13	R1903953-010	Sr (216.596 nm)	2.36	28.3499 o (ppm)	285559.2517
5/7/2019 23:29:13	R1903953-010	Ti (336.122 nm)	12.60	0.0009 (ppm)	283.5081
5/7/2019 23:29:13	R1903953-010	Tl (351.923 nm)	9.65	0.0089 (ppm)	26.9283
5/7/2019 23:29:13	R1903953-010	V (292.401 nm)	45.87	-0.0006 u (ppm)	31.6807
5/7/2019 23:29:13	R1903953-010	Y (360.074 nm)	1.02	0.97 (Ratio)	946653.63
5/7/2019 23:29:13	R1903953-010	Y_R (360.074 nm)	1.02	0.97 (Ratio)	946653.63
5/7/2019 23:29:13	R1903953-010	Zn (213.857 nm)	3.51	0.0023 (ppm)	69.4161
5/7/2019 23:32:32	R1903953-011	Ag (328.068 nm)	32.05	-0.0001 u (ppm)	-142.4334
5/7/2019 23:32:32	R1903953-011	Al (394.401 nm)	0.73	0.3083 (ppm)	5573.2337
5/7/2019 23:32:32	R1903953-011	As (188.980 nm)	> 100.00	0.0005 u (ppm)	0.1510
5/7/2019 23:32:32	R1903953-011	B (249.772 nm)	0.42	0.2819 (ppm)	11173.2018
5/7/2019 23:32:32	R1903953-011	Ba (230.424 nm)	0.16	0.0247 (ppm)	1198.3357
5/7/2019 23:32:32	R1903953-011	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-289.3983
5/7/2019 23:32:32	R1903953-011	Ca (227.547 nm)	0.68	197.4038 o (ppm)	12093.2386
5/7/2019 23:32:32	R1903953-011	Cd (214.439 nm)	71.50	-0.0003 u (ppm)	-1.4153
5/7/2019 23:32:32	R1903953-011	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-4.8557
5/7/2019 23:32:32	R1903953-011	Cr (267.716 nm)	8.74	0.0014 (ppm)	75.6783
5/7/2019 23:32:32	R1903953-011	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	32.9726
5/7/2019 23:32:32	R1903953-011	Fe (234.350 nm)	0.29	0.6032 (ppm)	6558.4054
5/7/2019 23:32:32	R1903953-011	K (766.491 nm)	1.14	5.8766 (ppm)	21347.8824
5/7/2019 23:32:32	R1903953-011	Mg (279.078 nm)	0.24	74.2032 o (ppm)	166721.9608
5/7/2019 23:32:32	R1903953-011	Mn (257.610 nm)	0.39	0.0169 (ppm)	5352.3796
5/7/2019 23:32:32	R1903953-011	Mo (202.032 nm)	11.30	0.0018 (ppm)	18.5133
5/7/2019 23:32:32	R1903953-011	Na (588.995 nm)	1.10	40.5920 (ppm)	1967998.1675
5/7/2019 23:32:32	R1903953-011	Ni (230.299 nm)	10.36	-0.0079 u (ppm)	-90.5246
5/7/2019 23:32:32	R1903953-011	Pb (220.353 nm)	> 100.00	-0.0012 u (ppm)	0.4465
5/7/2019 23:32:32	R1903953-011	Sb (217.582 nm)	> 100.00	-0.0004 u (ppm)	-0.6861
5/7/2019 23:32:32	R1903953-011	Se (196.026 nm)	37.16	-0.0070 u (ppm)	0.2436
5/7/2019 23:32:32	R1903953-011	Sn (189.925 nm)	38.14	-0.0035 u (ppm)	-3.3167

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:32:32	R1903953-011	Sr (216.596 nm)	1.18	29.5922 o (ppm)	298072.7078
5/7/2019 23:32:32	R1903953-011	Ti (336.122 nm)	1.75	0.0097 (ppm)	2461.2606
5/7/2019 23:32:32	R1903953-011	Ti (351.923 nm)	8.84	0.0167 (ppm)	49.2656
5/7/2019 23:32:32	R1903953-011	V (292.401 nm)	44.75	-0.0003 u (ppm)	40.5752
5/7/2019 23:32:32	R1903953-011	Y (360.074 nm)	0.59	0.94 (Ratio)	914595.56
5/7/2019 23:32:32	R1903953-011	Y_R (360.074 nm)	0.59	0.94 (Ratio)	914595.56
5/7/2019 23:32:32	R1903953-011	Zn (213.857 nm)	2.07	0.0061 (ppm)	199.9177
5/7/2019 23:35:52	R1903953-012	Ag (328.068 nm)	25.35	-0.0002 u (ppm)	-147.2506
5/7/2019 23:35:52	R1903953-012	Al (394.401 nm)	6.24	0.0110 (ppm)	486.8836
5/7/2019 23:35:52	R1903953-012	As (188.980 nm)	8.48	0.0218 (ppm)	13.8393
5/7/2019 23:35:52	R1903953-012	B (249.772 nm)	0.15	0.4217 (ppm)	16652.5350
5/7/2019 23:35:52	R1903953-012	Ba (230.424 nm)	4.03	0.0034 (ppm)	203.1269
5/7/2019 23:35:52	R1903953-012	Be (313.107 nm)	3.86	0.0000 u (ppm)	-340.2183
5/7/2019 23:35:52	R1903953-012	Ca (227.547 nm)	0.10	56.5511 o (ppm)	3465.0443
5/7/2019 23:35:52	R1903953-012	Cd (214.439 nm)	72.80	-0.0002 u (ppm)	0.9873
5/7/2019 23:35:52	R1903953-012	Co (230.786 nm)	> 100.00	-0.0002 u (ppm)	-5.4618
5/7/2019 23:35:52	R1903953-012	Cr (267.716 nm)	1.53	0.0049 (ppm)	216.0532
5/7/2019 23:35:52	R1903953-012	Cu (327.395 nm)	37.16	-0.0004 u (ppm)	0.2675
5/7/2019 23:35:52	R1903953-012	Fe (234.350 nm)	2.15	0.0047 (ppm)	98.7746
5/7/2019 23:35:52	R1903953-012	K (766.491 nm)	0.37	8.2784 (ppm)	30076.8170
5/7/2019 23:35:52	R1903953-012	Mg (279.078 nm)	0.12	33.8194 (ppm)	75999.1833
5/7/2019 23:35:52	R1903953-012	Mn (257.610 nm)	8.72	0.0002 (ppm)	110.5700
5/7/2019 23:35:52	R1903953-012	Mo (202.032 nm)	32.47	0.0016 (ppm)	17.5529
5/7/2019 23:35:52	R1903953-012	Na (588.895 nm)	0.56	248.3402 o (ppm)	12077129.0678
5/7/2019 23:35:52	R1903953-012	Ni (230.299 nm)	64.14	-0.0011 u (ppm)	-22.7408
5/7/2019 23:35:52	R1903953-012	Pb (220.353 nm)	33.46	-0.0021 u (ppm)	-2.2495
5/7/2019 23:35:52	R1903953-012	Sb (217.582 nm)	35.62	0.0025 (ppm)	2.6476
5/7/2019 23:35:52	R1903953-012	Se (196.026 nm)	> 100.00	-0.0036 u (ppm)	1.9125
5/7/2019 23:35:52	R1903953-012	Sn (189.925 nm)	> 100.00	0.0015 u (ppm)	0.1929
5/7/2019 23:35:52	R1903953-012	Sr (216.596 nm)	0.56	1.1539 (ppm)	11623.8036
5/7/2019 23:35:52	R1903953-012	Ti (336.122 nm)	> 100.00	-0.0001 u (ppm)	38.5262
5/7/2019 23:35:52	R1903953-012	Ti (351.923 nm)	> 100.00	0.0013 u (ppm)	5.0451
5/7/2019 23:35:52	R1903953-012	V (292.401 nm)	21.70	-0.0006 u (ppm)	29.4943
5/7/2019 23:35:52	R1903953-012	Y (360.074 nm)	0.38	0.92 (Ratio)	896366.69
5/7/2019 23:35:52	R1903953-012	Y_R (360.074 nm)	0.38	0.92 (Ratio)	896366.69
5/7/2019 23:35:52	R1903953-012	Zn (213.857 nm)	3.37	0.0017 (ppm)	51.6131
5/7/2019 23:39:10	R1903953-013	Ag (328.068 nm)	72.77	-0.0002 u (ppm)	-143.2192
5/7/2019 23:39:10	R1903953-013	Al (394.401 nm)	2.84	0.0186 (ppm)	617.4939
5/7/2019 23:39:10	R1903953-013	As (188.980 nm)	30.44	0.0032 (ppm)	1.8476
5/7/2019 23:39:10	R1903953-013	B (249.772 nm)	0.27	0.1137 (ppm)	4580.1705
5/7/2019 23:39:10	R1903953-013	Ba (230.424 nm)	0.35	0.1109 (ppm)	5222.8154
5/7/2019 23:39:10	R1903953-013	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-297.1036
5/7/2019 23:39:10	R1903953-013	Ca (227.547 nm)	0.16	76.8287 o (ppm)	4707.1880
5/7/2019 23:39:10	R1903953-013	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	1.8300
5/7/2019 23:39:10	R1903953-013	Co (230.786 nm)	49.70	-0.0008 u (ppm)	-11.8323
5/7/2019 23:39:10	R1903953-013	Cr (267.716 nm)	43.27	-0.0003 u (ppm)	5.7713
5/7/2019 23:39:10	R1903953-013	Cu (327.395 nm)	27.87	-0.0004 u (ppm)	-2.2636
5/7/2019 23:39:10	R1903953-013	Fe (234.350 nm)	0.12	0.1687 (ppm)	1868.9717
5/7/2019 23:39:10	R1903953-013	K (766.491 nm)	0.25	2.5714 (ppm)	9335.4166
5/7/2019 23:39:10	R1903953-013	Mg (279.078 nm)	0.22	57.7030 o (ppm)	129653.9785
5/7/2019 23:39:10	R1903953-013	Mn (257.610 nm)	0.37	0.0088 (ppm)	2807.2497

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:39:10	R1903953-013	Mo (202.032 nm)	13.26	0.0058 (ppm)	40.9843
5/7/2019 23:39:10	R1903953-013	Na (588.995 nm)	0.20	25.8429 (ppm)	1250302.6237
5/7/2019 23:39:10	R1903953-013	Ni (230.299 nm)	9.20	-0.0067 u (ppm)	-78.6624
5/7/2019 23:39:10	R1903953-013	Pb (220.353 nm)	52.51	-0.0014 u (ppm)	-0.0360
5/7/2019 23:39:10	R1903953-013	Sb (217.582 nm)	80.24	-0.0042 u (ppm)	-5.0807
5/7/2019 23:39:10	R1903953-013	Se (196.026 nm)	38.50	-0.0092 u (ppm)	-0.8111
5/7/2019 23:39:10	R1903953-013	Sn (189.925 nm)	49.84	-0.0034 u (ppm)	-3.2565
5/7/2019 23:39:10	R1903953-013	Sr (216.596 nm)	1.08	53.0140 o (ppm)	533992.3826
5/7/2019 23:39:10	R1903953-013	Ti (336.122 nm)	34.74	0.0002 (ppm)	90.2337
5/7/2019 23:39:10	R1903953-013	Tl (351.923 nm)	17.56	0.0146 (ppm)	43.1050
5/7/2019 23:39:10	R1903953-013	V (292.401 nm)	38.29	-0.0008 u (ppm)	24.6294
5/7/2019 23:39:10	R1903953-013	Y (360.074 nm)	0.17	0.96 (Ratio)	931909.77
5/7/2019 23:39:10	R1903953-013	Y_R (360.074 nm)	0.17	0.96 (Ratio)	931909.77
5/7/2019 23:39:10	R1903953-013	Zn (213.857 nm)	33.94	0.0005 (ppm)	8.2935
5/7/2019 23:42:29	R1903953-014	Ag (328.068 nm)	70.42	-0.0001 u (ppm)	-140.6154
5/7/2019 23:42:29	R1903953-014	Al (394.401 nm)	4.39	0.0149 (ppm)	554.3223
5/7/2019 23:42:29	R1903953-014	As (188.980 nm)	15.24	0.0076 (ppm)	4.7031
5/7/2019 23:42:29	R1903953-014	B (249.772 nm)	0.45	0.1015 (ppm)	4100.1206
5/7/2019 23:42:29	R1903953-014	Ba (230.424 nm)	0.06	0.1159 (ppm)	5454.3403
5/7/2019 23:42:29	R1903953-014	Be (313.107 nm)	41.77	0.0000 u (ppm)	-327.3161
5/7/2019 23:42:29	R1903953-014	Ca (227.547 nm)	0.30	102.1706 o (ppm)	6259.5536
5/7/2019 23:42:29	R1903953-014	Cd (214.439 nm)	70.19	-0.0001 u (ppm)	1.6257
5/7/2019 23:42:29	R1903953-014	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-0.9536
5/7/2019 23:42:29	R1903953-014	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	16.8942
5/7/2019 23:42:29	R1903953-014	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	21.6454
5/7/2019 23:42:29	R1903953-014	Fe (234.350 nm)	0.08	0.8338 (ppm)	9046.8341
5/7/2019 23:42:29	R1903953-014	K (766.491 nm)	0.28	15.2800 (ppm)	55523.5715
5/7/2019 23:42:29	R1903953-014	Mg (279.078 nm)	0.05	72.7463 o (ppm)	163448.8946
5/7/2019 23:42:29	R1903953-014	Mn (257.610 nm)	0.12	0.0102 (ppm)	3268.2212
5/7/2019 23:42:29	R1903953-014	Mo (202.032 nm)	11.26	0.0058 (ppm)	40.9292
5/7/2019 23:42:29	R1903953-014	Na (588.995 nm)	0.34	101.6393 o (ppm)	4938590.9450
5/7/2019 23:42:29	R1903953-014	Ni (230.299 nm)	17.19	-0.0094 u (ppm)	-105.4617
5/7/2019 23:42:29	R1903953-014	Pb (220.353 nm)	43.45	-0.0019 u (ppm)	-1.6009
5/7/2019 23:42:29	R1903953-014	Sb (217.582 nm)	97.97	-0.0014 u (ppm)	-1.8683
5/7/2019 23:42:29	R1903953-014	Se (196.026 nm)	72.49	-0.0064 u (ppm)	0.5473
5/7/2019 23:42:29	R1903953-014	Sn (189.925 nm)	95.43	-0.0012 u (ppm)	-1.6792
5/7/2019 23:42:29	R1903953-014	Sr (216.596 nm)	0.46	5.2679 (ppm)	53063.1631
5/7/2019 23:42:29	R1903953-014	Ti (336.122 nm)	6.24	0.0003 (ppm)	121.9773
5/7/2019 23:42:29	R1903953-014	Tl (351.923 nm)	57.85	0.0049 (ppm)	15.3977
5/7/2019 23:42:29	R1903953-014	V (292.401 nm)	11.86	-0.0005 u (ppm)	34.9200
5/7/2019 23:42:29	R1903953-014	Y (360.074 nm)	0.26	0.93 (Ratio)	908987.80
5/7/2019 23:42:29	R1903953-014	Y_R (360.074 nm)	0.26	0.93 (Ratio)	908987.80
5/7/2019 23:42:29	R1903953-014	Zn (213.857 nm)	0.19	0.0093 (ppm)	305.8588
5/7/2019 23:45:48	RINSE	Ag (328.068 nm)	74.00	-0.0002 u (ppm)	-144.5658
5/7/2019 23:45:48	RINSE	Al (394.401 nm)	5.62	-0.0078 u (ppm)	165.1778
5/7/2019 23:45:48	RINSE	As (188.980 nm)	> 100.00	0.0002 u (ppm)	-0.0484
5/7/2019 23:45:48	RINSE	B (249.772 nm)	5.54	-0.0017 u (ppm)	57.7855
5/7/2019 23:45:48	RINSE	Ba (230.424 nm)	7.14	-0.0009 u (ppm)	0.8883
5/7/2019 23:45:48	RINSE	Be (313.107 nm)	45.57	0.0000 u (ppm)	-313.2143
5/7/2019 23:45:48	RINSE	Ca (227.547 nm)	65.32	0.0332 (ppm)	2.9360
5/7/2019 23:45:48	RINSE	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.3405

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:45:48	RINSE	Co (230.786 nm)	39.50	-0.0005 u (ppm)	-8.2426
5/7/2019 23:45:48	RINSE	Cr (267.716 nm)	94.78	-0.0001 u (ppm)	12.5062
5/7/2019 23:45:48	RINSE	Cu (327.395 nm)	40.31	-0.0002 u (ppm)	12.1360
5/7/2019 23:45:48	RINSE	Fe (234.350 nm)	> 100.00	-0.0003 u (ppm)	44.7148
5/7/2019 23:45:48	RINSE	K (766.491 nm)	> 100.00	-0.0034 u (ppm)	-22.6682
5/7/2019 23:45:48	RINSE	Mg (279.078 nm)	56.23	-0.0032 u (ppm)	16.2987
5/7/2019 23:45:48	RINSE	Mn (257.610 nm)	6.75	-0.0001 u (ppm)	20.5153
5/7/2019 23:45:48	RINSE	Mo (202.032 nm)	43.79	-0.0014 u (ppm)	0.5246
5/7/2019 23:45:48	RINSE	Na (588.995 nm)	48.00	-0.0102 u (ppm)	-7721.6586
5/7/2019 23:45:48	RINSE	Ni (230.299 nm)	97.24	-0.0002 u (ppm)	-14.5749
5/7/2019 23:45:48	RINSE	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	3.0128
5/7/2019 23:45:48	RINSE	Sb (217.582 nm)	> 100.00	-0.0008 u (ppm)	-1.1103
5/7/2019 23:45:48	RINSE	Se (196.026 nm)	> 100.00	0.0010 u (ppm)	4.1654
5/7/2019 23:45:48	RINSE	Sn (189.925 nm)	60.90	0.0016 (ppm)	0.3020
5/7/2019 23:45:48	RINSE	Sr (216.596 nm)	26.90	0.0013 (ppm)	13.8349
5/7/2019 23:45:48	RINSE	Ti (336.122 nm)	4.92	-0.0007 u (ppm)	-132.2825
5/7/2019 23:45:48	RINSE	Tl (351.923 nm)	9.31	-0.0040 u (ppm)	-10.2859
5/7/2019 23:45:48	RINSE	V (292.401 nm)	41.11	-0.0002 u (ppm)	43.2213
5/7/2019 23:45:48	RINSE	Y (360.074 nm)	0.43	1.01 (Ratio)	985524.27
5/7/2019 23:45:48	RINSE	Y_R (360.074 nm)	0.43	1.01 (Ratio)	985524.27
5/7/2019 23:45:48	RINSE	Zn (213.857 nm)	67.12	-0.0001 u (ppm)	-11.2067
5/7/2019 23:49:07	R1903953-016	Ag (328.068 nm)	34.92	-0.0002 u (ppm)	-146.3433
5/7/2019 23:49:07	R1903953-016	Al (394.401 nm)	2.67	0.0100 (ppm)	469.5348
5/7/2019 23:49:07	R1903953-016	As (188.980 nm)	> 100.00	0.0008 u (ppm)	0.3079
5/7/2019 23:49:07	R1903953-016	B (249.772 nm)	0.46	0.0348 (ppm)	1487.7387
5/7/2019 23:49:07	R1903953-016	Ba (230.424 nm)	0.39	0.3006 (ppm)	14078.7410
5/7/2019 23:49:07	R1903953-016	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-307.2486
5/7/2019 23:49:07	R1903953-016	Ca (227.547 nm)	0.13	68.9629 u (ppm)	4225.3517
5/7/2019 23:49:07	R1903953-016	Cd (214.439 nm)	68.53	-0.0001 u (ppm)	1.9988
5/7/2019 23:49:07	R1903953-016	Co (230.786 nm)	2.88	-0.0004 u (ppm)	-6.9926
5/7/2019 23:49:07	R1903953-016	Cr (267.716 nm)	19.66	-0.0003 u (ppm)	5.9206
5/7/2019 23:49:07	R1903953-016	Cu (327.395 nm)	2.01	-0.0006 u (ppm)	-11.7499
5/7/2019 23:49:07	R1903953-016	Fe (234.350 nm)	0.32	0.4120 (ppm)	4494.0779
5/7/2019 23:49:07	R1903953-016	K (766.491 nm)	0.09	2.0647 (ppm)	7493.8529
5/7/2019 23:49:07	R1903953-016	Mg (279.078 nm)	0.13	23.9110 (ppm)	53739.9320
5/7/2019 23:49:07	R1903953-016	Mn (257.610 nm)	0.07	0.0130 (ppm)	4150.1564
5/7/2019 23:49:07	R1903953-016	Mo (202.032 nm)	1.32	0.0147 (ppm)	91.5548
5/7/2019 23:49:07	R1903953-016	Na (588.995 nm)	0.19	6.1924 (ppm)	294096.6949
5/7/2019 23:49:07	R1903953-016	Ni (230.299 nm)	14.39	-0.0070 u (ppm)	-81.7164
5/7/2019 23:49:07	R1903953-016	Pb (220.353 nm)	8.98	-0.0013 u (ppm)	0.1756
5/7/2019 23:49:07	R1903953-016	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-0.8047
5/7/2019 23:49:07	R1903953-016	Se (196.026 nm)	32.41	-0.0070 u (ppm)	0.2760
5/7/2019 23:49:07	R1903953-016	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-0.7756
5/7/2019 23:49:07	R1903953-016	Sr (216.596 nm)	0.42	2.9272 (ppm)	29485.9207
5/7/2019 23:49:07	R1903953-016	Ti (336.122 nm)	11.88	-0.0001 u (ppm)	25.1881
5/7/2019 23:49:07	R1903953-016	Tl (351.923 nm)	> 100.00	0.0019 u (ppm)	6.5984
5/7/2019 23:49:07	R1903953-016	V (292.401 nm)	25.65	-0.0007 u (ppm)	25.8714
5/7/2019 23:49:07	R1903953-016	Y (360.074 nm)	0.24	0.98 (Ratio)	954389.85
5/7/2019 23:49:07	R1903953-016	Y_R (360.074 nm)	0.24	0.98 (Ratio)	954389.85
5/7/2019 23:49:07	R1903953-016	Zn (213.857 nm)	3.55	0.0009 (ppm)	22.1404
5/7/2019 23:52:27	Continuing Calibration Verification1	Ag (328.068 nm)	0.10	0.4922 (ppm)	36647.8182

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:52:27	Continuing Calibration Verification1	Al (394.401 nm)	0.06	9.5633 (ppm)	163890.3540
5/7/2019 23:52:27	Continuing Calibration Verification1	As (188.980 nm)	0.46	0.9863 (ppm)	635.0000
5/7/2019 23:52:27	Continuing Calibration Verification1	B (249.772 nm)	0.15	2.4594 (ppm)	96513.5292
5/7/2019 23:52:27	Continuing Calibration Verification1	Ba (230.424 nm)	0.50	10.4762 (ppm)	489151.7698
5/7/2019 23:52:27	Continuing Calibration Verification1	Be (313.107 nm)	0.34	0.2551 (ppm)	339920.4117
5/7/2019 23:52:27	Continuing Calibration Verification1	Ca (227.547 nm)	0.19	24.0756 (ppm)	1475.6945
5/7/2019 23:52:27	Continuing Calibration Verification1	Cd (214.439 nm)	0.28	0.5086 (ppm)	10275.1643
5/7/2019 23:52:27	Continuing Calibration Verification1	Co (230.786 nm)	0.31	2.6426 (ppm)	33192.0783
5/7/2019 23:52:27	Continuing Calibration Verification1	Cr (267.716 nm)	0.29	0.5149 (ppm)	20998.1918
5/7/2019 23:52:27	Continuing Calibration Verification1	Cu (327.395 nm)	0.36	1.1969 (ppm)	79595.5090
5/7/2019 23:52:27	Continuing Calibration Verification1	Fe (234.350 nm)	0.38	4.9532 (ppm)	53501.9579
5/7/2019 23:52:27	Continuing Calibration Verification1	K (766.491 nm)	0.40	24.0210 (ppm)	87291.7483
5/7/2019 23:52:27	Continuing Calibration Verification1	Mg (279.078 nm)	0.37	25.2212 (ppm)	56683.2053
5/7/2019 23:52:27	Continuing Calibration Verification1	Mn (257.610 nm)	0.08	0.7597 (ppm)	238138.8268
5/7/2019 23:52:27	Continuing Calibration Verification1	Mo (202.032 nm)	0.35	2.5027 (ppm)	14131.3421
5/7/2019 23:52:27	Continuing Calibration Verification1	Na (588.995 nm)	0.61	24.2309 (ppm)	1171859.6155
5/7/2019 23:52:27	Continuing Calibration Verification1	Ni (230.299 nm)	0.36	2.0311 (ppm)	20134.6391
5/7/2019 23:52:27	Continuing Calibration Verification1	Pb (220.353 nm)	0.23	0.5114 (ppm)	1432.2252
5/7/2019 23:52:27	Continuing Calibration Verification1	Sb (217.582 nm)	0.22	4.8058 (ppm)	5578.1532
5/7/2019 23:52:27	Continuing Calibration Verification1	Se (196.026 nm)	0.91	0.4854 (ppm)	238.7530
5/7/2019 23:52:27	Continuing Calibration Verification1	Sn (189.925 nm)	0.67	5.0908 (ppm)	3564.1783
5/7/2019 23:52:27	Continuing Calibration Verification1	Sr (216.596 nm)	0.40	2.5659 (ppm)	25846.1047
5/7/2019 23:52:27	Continuing Calibration Verification1	Ti (336.122 nm)	0.28	2.5236 (ppm)	624214.0091
5/7/2019 23:52:27	Continuing Calibration Verification1	Tl (351.923 nm)	0.15	1.0113 (ppm)	2904.9486
5/7/2019 23:52:27	Continuing Calibration Verification1	V (292.401 nm)	0.11	2.5591 (ppm)	80976.8107
5/7/2019 23:52:27	Continuing Calibration Verification1	Y (360.074 nm)	0.47	0.96 (Ratio)	938541.88
5/7/2019 23:52:27	Continuing Calibration Verification1	Y_R (360.074 nm)	0.47	0.96 (Ratio)	938541.88
5/7/2019 23:52:27	Continuing Calibration Verification1	Zn (213.857 nm)	0.34	0.9902 (ppm)	33372.0503
5/7/2019 23:55:46	Continuing Calibration Blank1	Ag (328.068 nm)	54.80	-0.0001 u (ppm)	-135.7329
5/7/2019 23:55:46	Continuing Calibration Blank1	Al (394.401 nm)	8.11	-0.0066 u (ppm)	185.2406
5/7/2019 23:55:46	Continuing Calibration Blank1	As (188.980 nm)	92.21	0.0013 (ppm)	0.6741
5/7/2019 23:55:46	Continuing Calibration Blank1	B (249.772 nm)	21.59	-0.0008 u (ppm)	89.9835
5/7/2019 23:55:46	Continuing Calibration Blank1	Ba (230.424 nm)	> 100.00	0.0000 u (ppm)	44.8465
5/7/2019 23:55:46	Continuing Calibration Blank1	Be (313.107 nm)	38.15	0.0000 (ppm)	-279.0037
5/7/2019 23:55:46	Continuing Calibration Blank1	Ca (227.547 nm)	52.56	0.0396 (ppm)	3.3231
5/7/2019 23:55:46	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.6068
5/7/2019 23:55:46	Continuing Calibration Blank1	Co (230.786 nm)	84.70	0.0000 (ppm)	-2.0502
5/7/2019 23:55:46	Continuing Calibration Blank1	Cr (267.716 nm)	50.50	-0.0002 u (ppm)	10.8649
5/7/2019 23:55:46	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	22.8900
5/7/2019 23:55:46	Continuing Calibration Blank1	Fe (234.350 nm)	> 100.00	-0.0005 u (ppm)	43.0319
5/7/2019 23:55:46	Continuing Calibration Blank1	K (766.491 nm)	> 100.00	-0.0038 u (ppm)	-24.0934
5/7/2019 23:55:46	Continuing Calibration Blank1	Mg (279.078 nm)	39.67	-0.0043 u (ppm)	13.9481
5/7/2019 23:55:46	Continuing Calibration Blank1	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	58.0187
5/7/2019 23:55:46	Continuing Calibration Blank1	Mo (202.032 nm)	13.44	0.0020 (ppm)	19.8618
5/7/2019 23:55:46	Continuing Calibration Blank1	Na (588.995 nm)	5.63	-0.0156 u (ppm)	-7984.5178
5/7/2019 23:55:46	Continuing Calibration Blank1	Ni (230.299 nm)	6.36	0.0027 (ppm)	14.1984
5/7/2019 23:55:46	Continuing Calibration Blank1	Pb (220.353 nm)	28.02	0.0004 (ppm)	4.8255
5/7/2019 23:55:46	Continuing Calibration Blank1	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	0.1441
5/7/2019 23:55:46	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	-0.0027 u (ppm)	2.3443
5/7/2019 23:55:46	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	-0.0002 u (ppm)	-0.9694
5/7/2019 23:55:46	Continuing Calibration Blank1	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	1.0554

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/7/2019 23:55:46	Continuing Calibration Blank1	Ti (336.122 nm)	48.46	0.0007 (ppm)	215.9276
5/7/2019 23:55:46	Continuing Calibration Blank1	Tl (351.923 nm)	66.75	0.0009 (ppm)	3.9259
5/7/2019 23:55:46	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0001 u (ppm)	52.1140
5/7/2019 23:55:46	Continuing Calibration Blank1	Y (360.074 nm)	0.50	1.01 (Ratio)	986818.85
5/7/2019 23:55:46	Continuing Calibration Blank1	Y_R (360.074 nm)	0.50	1.01 (Ratio)	986818.85
5/7/2019 23:55:46	Continuing Calibration Blank1	Zn (213.857 nm)	80.56	0.0001 (ppm)	-2.5827
5/7/2019 23:59:06	R1903953-017	Ag (328.068 nm)	42.32	-0.0001 u (ppm)	-139.3265
5/7/2019 23:59:06	R1903953-017	Al (394.401 nm)	0.64	0.0418 (ppm)	1013.1653
5/7/2019 23:59:06	R1903953-017	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-0.4279
5/7/2019 23:59:06	R1903953-017	B (249.772 nm)	0.07	0.1568 (ppm)	6270.4353
5/7/2019 23:59:06	R1903953-017	Ba (230.424 nm)	0.92	0.0358 (ppm)	1716.8406
5/7/2019 23:59:06	R1903953-017	Be (313.107 nm)	9.49	0.0000 u (ppm)	-310.6379
5/7/2019 23:59:06	R1903953-017	Ca (227.547 nm)	0.15	162.6878 o (ppm)	9966.6452
5/7/2019 23:59:06	R1903953-017	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	4.2826
5/7/2019 23:59:06	R1903953-017	Co (230.786 nm)	> 100.00	0.0003 (ppm)	1.7833
5/7/2019 23:59:06	R1903953-017	Cr (267.716 nm)	15.85	-0.0005 u (ppm)	-3.0103
5/7/2019 23:59:06	R1903953-017	Cu (327.395 nm)	24.43	-0.0003 u (ppm)	6.2395
5/7/2019 23:59:06	R1903953-017	Fe (234.350 nm)	0.24	1.6408 (ppm)	17755.9760
5/7/2019 23:59:06	R1903953-017	K (766.491 nm)	0.15	13.9385 (ppm)	50647.7782
5/7/2019 23:59:06	R1903953-017	Mg (279.078 nm)	0.23	31.7510 (ppm)	71352.5953
5/7/2019 23:59:06	R1903953-017	Mn (257.610 nm)	0.19	1.2193 (ppm)	382175.4478
5/7/2019 23:59:06	R1903953-017	Mo (202.032 nm)	43.19	-0.0006 u (ppm)	4.9109
5/7/2019 23:59:06	R1903953-017	Na (588.995 nm)	0.57	75.6905 o (ppm)	3675909.3489
5/7/2019 23:59:06	R1903953-017	Ni (230.299 nm)	40.24	-0.0032 u (ppm)	-43.8399
5/7/2019 23:59:06	R1903953-017	Pb (220.353 nm)	85.15	-0.0010 u (ppm)	0.9802
5/7/2019 23:59:06	R1903953-017	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-0.0381
5/7/2019 23:59:06	R1903953-017	Se (196.026 nm)	63.53	-0.0096 u (ppm)	-0.9878
5/7/2019 23:59:06	R1903953-017	Sn (189.925 nm)	22.10	0.0025 (ppm)	0.9077
5/7/2019 23:59:06	R1903953-017	Sr (216.596 nm)	0.59	0.5867 (ppm)	5910.5057
5/7/2019 23:59:06	R1903953-017	Ti (336.122 nm)	2.56	0.0017 (ppm)	472.8983
5/7/2019 23:59:06	R1903953-017	Tl (351.923 nm)	> 100.00	0.0009 u (ppm)	3.9378
5/7/2019 23:59:06	R1903953-017	V (292.401 nm)	43.44	-0.0003 u (ppm)	40.4286
5/7/2019 23:59:06	R1903953-017	Y (360.074 nm)	0.22	0.95 (Ratio)	920060.55
5/7/2019 23:59:06	R1903953-017	Y_R (360.074 nm)	0.22	0.95 (Ratio)	920060.55
5/7/2019 23:59:06	R1903953-017	Zn (213.857 nm)	1.58	0.0016 (ppm)	48.6234
5/8/2019 00:02:26	R1903953-018	Ag (328.068 nm)	78.74	-0.0002 u (ppm)	-146.2362
5/8/2019 00:02:26	R1903953-018	Al (394.401 nm)	2.62	0.0175 (ppm)	599.1408
5/8/2019 00:02:26	R1903953-018	As (188.980 nm)	> 100.00	-0.0003 u (ppm)	-0.3775
5/8/2019 00:02:26	R1903953-018	B (249.772 nm)	0.14	0.1792 (ppm)	7147.9569
5/8/2019 00:02:26	R1903953-018	Ba (230.424 nm)	0.20	0.0706 (ppm)	3338.6770
5/8/2019 00:02:26	R1903953-018	Be (313.107 nm)	16.65	0.0000 u (ppm)	-315.4571
5/8/2019 00:02:26	R1903953-018	Ca (227.547 nm)	0.12	209.5072 o (ppm)	12834.6581
5/8/2019 00:02:26	R1903953-018	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	2.1820
5/8/2019 00:02:26	R1903953-018	Co (230.786 nm)	41.99	0.0002 (ppm)	0.6632
5/8/2019 00:02:26	R1903953-018	Cr (267.716 nm)	10.17	-0.0006 u (ppm)	-7.6554
5/8/2019 00:02:26	R1903953-018	Cu (327.395 nm)	8.46	-0.0008 u (ppm)	-24.2930
5/8/2019 00:02:26	R1903953-018	Fe (234.350 nm)	0.20	2.3471 (ppm)	25378.1193
5/8/2019 00:02:26	R1903953-018	K (766.491 nm)	0.17	11.7544 (ppm)	42709.9366
5/8/2019 00:02:26	R1903953-018	Mg (279.078 nm)	0.19	56.0698 o (ppm)	125985.1181
5/8/2019 00:02:26	R1903953-018	Mn (257.610 nm)	0.23	0.3713 (ppm)	116432.4596
5/8/2019 00:02:26	R1903953-018	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	8.2905

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:02:26	R1903953-018	Na (588.995 nm)	0.42	156.0270 o (ppm)	7585122.8842
5/8/2019 00:02:26	R1903953-018	Ni (230.299 nm)	13.85	-0.0055 u (ppm)	-66.7483
5/8/2019 00:02:26	R1903953-018	Pb (220.353 nm)	71.54	-0.0023 u (ppm)	-2.7528
5/8/2019 00:02:26	R1903953-018	Sb (217.582 nm)	47.29	-0.0026 u (ppm)	-3.2133
5/8/2019 00:02:26	R1903953-018	Se (196.026 nm)	46.55	-0.0122 u (ppm)	-2.2649
5/8/2019 00:02:26	R1903953-018	Sn (189.925 nm)	> 100.00	-0.0019 u (ppm)	-2.1790
5/8/2019 00:02:26	R1903953-018	Sr (216.596 nm)	0.11	0.8219 (ppm)	8279.6879
5/8/2019 00:02:26	R1903953-018	Ti (336.122 nm)	4.04	0.0009 (ppm)	273.7461
5/8/2019 00:02:26	R1903953-018	Ti (351.923 nm)	33.25	0.0093 (ppm)	27.9052
5/8/2019 00:02:26	R1903953-018	V (292.401 nm)	16.48	-0.0005 u (ppm)	32.0853
5/8/2019 00:02:26	R1903953-018	Y (360.074 nm)	0.26	0.92 (Ratio)	892923.75
5/8/2019 00:02:26	R1903953-018	Y_R (360.074 nm)	0.26	0.92 (Ratio)	892923.75
5/8/2019 00:02:26	R1903953-018	Zn (213.857 nm)	3.52	0.0008 (ppm)	20.5842
5/8/2019 00:05:45	R1903953-019	Ag (328.068 nm)	48.29	-0.0001 u (ppm)	-139.8184
5/8/2019 00:05:45	R1903953-019	Al (394.401 nm)	7.04	0.0192 (ppm)	627.2301
5/8/2019 00:05:45	R1903953-019	As (188.980 nm)	> 100.00	0.0008 u (ppm)	0.2997
5/8/2019 00:05:45	R1903953-019	B (249.772 nm)	0.22	0.0932 (ppm)	3776.5348
5/8/2019 00:05:45	R1903953-019	Ba (230.424 nm)	0.49	0.0618 (ppm)	2928.9553
5/8/2019 00:05:45	R1903953-019	Be (313.107 nm)	26.27	0.0000 u (ppm)	-328.1123
5/8/2019 00:05:45	R1903953-019	Ca (227.547 nm)	0.25	196.0407 o (ppm)	12009.7432
5/8/2019 00:05:45	R1903953-019	Cd (214.439 nm)	83.66	0.0001 (ppm)	7.4516
5/8/2019 00:05:45	R1903953-019	Co (230.786 nm)	8.34	0.0024 (ppm)	27.3572
5/8/2019 00:05:45	R1903953-019	Cr (267.716 nm)	3.21	-0.0013 u (ppm)	-37.0574
5/8/2019 00:05:45	R1903953-019	Cu (327.395 nm)	21.67	0.0004 (ppm)	54.6041
5/8/2019 00:05:45	R1903953-019	Fe (234.350 nm)	0.15	2.2179 (ppm)	23983.5807
5/8/2019 00:05:45	R1903953-019	K (766.491 nm)	0.25	10.3304 (ppm)	37534.7358
5/8/2019 00:05:45	R1903953-019	Mg (279.078 nm)	0.07	50.5609 (ppm)	113609.2312
5/8/2019 00:05:45	R1903953-019	Mn (257.610 nm)	0.33	2.6458 o (ppm)	829262.0131
5/8/2019 00:05:45	R1903953-019	Mo (202.032 nm)	3.34	0.0053 (ppm)	38.5284
5/8/2019 00:05:45	R1903953-019	Na (588.995 nm)	0.37	166.8339 o (ppm)	8110990.1827
5/8/2019 00:05:45	R1903953-019	Ni (230.299 nm)	71.16	-0.0012 u (ppm)	-24.5320
5/8/2019 00:05:45	R1903953-019	Pb (220.353 nm)	> 100.00	-0.0018 u (ppm)	-1.2478
5/8/2019 00:05:45	R1903953-019	Sb (217.582 nm)	86.79	-0.0022 u (ppm)	-2.7551
5/8/2019 00:05:45	R1903953-019	Se (196.026 nm)	> 100.00	-0.0059 u (ppm)	0.7948
5/8/2019 00:05:45	R1903953-019	Sn (189.925 nm)	48.19	-0.0016 u (ppm)	-1.9459
5/8/2019 00:05:45	R1903953-019	Sr (216.596 nm)	0.70	1.1461 (ppm)	11545.0357
5/8/2019 00:05:45	R1903953-019	Ti (336.122 nm)	7.41	0.0008 (ppm)	251.7398
5/8/2019 00:05:45	R1903953-019	Ti (351.923 nm)	48.42	0.0047 (ppm)	14.7254
5/8/2019 00:05:45	R1903953-019	V (292.401 nm)	20.38	-0.0008 u (ppm)	25.0794
5/8/2019 00:05:45	R1903953-019	Y (360.074 nm)	0.36	0.91 (Ratio)	884331.88
5/8/2019 00:05:45	R1903953-019	Y_R (360.074 nm)	0.36	0.91 (Ratio)	884331.88
5/8/2019 00:05:45	R1903953-019	Zn (213.857 nm)	2.05	0.0125 (ppm)	416.1008
5/8/2019 00:09:05	R1903953-020	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-128.4487
5/8/2019 00:09:05	R1903953-020	Al (394.401 nm)	1.65	0.0604 (ppm)	1332.8835
5/8/2019 00:09:05	R1903953-020	As (188.980 nm)	> 100.00	-0.0009 u (ppm)	-0.7763
5/8/2019 00:09:05	R1903953-020	B (249.772 nm)	0.31	0.1313 (ppm)	5270.2775
5/8/2019 00:09:05	R1903953-020	Ba (230.424 nm)	0.53	0.3120 (ppm)	14611.1037
5/8/2019 00:09:05	R1903953-020	Be (313.107 nm)	13.03	0.0000 (ppm)	-245.5092
5/8/2019 00:09:05	R1903953-020	Ca (227.547 nm)	0.17	142.4456 o (ppm)	8726.6732
5/8/2019 00:09:05	R1903953-020	Cd (214.439 nm)	6.65	0.0029 (ppm)	63.2047
5/8/2019 00:09:05	R1903953-020	Co (230.786 nm)	18.36	-0.0046 u (ppm)	-60.4808

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:09:05	R1903953-020	Cr (267.716 nm)	28.86	-0.0006 u (ppm)	-6.4205
5/8/2019 00:09:05	R1903953-020	Cu (327.395 nm)	3.77	-0.0004 u (ppm)	-2.6092
5/8/2019 00:09:05	R1903953-020	Fe (234.350 nm)	0.28	178.6126 o (ppm)	1927605.5918
5/8/2019 00:09:05	R1903953-020	K (766.491 nm)	0.07	26.7662 (ppm)	97268.9498
5/8/2019 00:09:05	R1903953-020	Mg (279.078 nm)	0.31	90.9156 o (ppm)	204266.4680
5/8/2019 00:09:05	R1903953-020	Mn (257.610 nm)	0.38	1.8550 o (ppm)	581430.6209
5/8/2019 00:09:05	R1903953-020	Mo (202.032 nm)	81.09	-0.0011 u (ppm)	2.3587
5/8/2019 00:09:05	R1903953-020	Na (588.995 nm)	0.09	76.4843 o (ppm)	3714536.5417
5/8/2019 00:09:05	R1903953-020	Ni (230.299 nm)	14.66	-0.0106 u (ppm)	-117.2401
5/8/2019 00:09:05	R1903953-020	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	3.9340
5/8/2019 00:09:05	R1903953-020	Sb (217.582 nm)	21.69	-0.0080 (ppm)	-9.5281
5/8/2019 00:09:05	R1903953-020	Se (196.026 nm)	> 100.00	-0.0050 u (ppm)	1.2530
5/8/2019 00:09:05	R1903953-020	Sn (189.925 nm)	73.62	0.0045 (ppm)	2.3192
5/8/2019 00:09:05	R1903953-020	Sr (216.596 nm)	0.46	0.7798 (ppm)	7855.2254
5/8/2019 00:09:05	R1903953-020	Ti (336.122 nm)	3.66	0.0005 (ppm)	168.8388
5/8/2019 00:09:05	R1903953-020	Ti (351.923 nm)	> 100.00	-0.0008 u (ppm)	-1.0494
5/8/2019 00:09:05	R1903953-020	V (292.401 nm)	4.10	0.0047 (ppm)	196.7943
5/8/2019 00:09:05	R1903953-020	Y (360.074 nm)	0.25	0.92 (Ratio)	899575.78
5/8/2019 00:09:05	R1903953-020	Y_R (360.074 nm)	0.25	0.92 (Ratio)	899575.78
5/8/2019 00:09:05	R1903953-020	Zn (213.857 nm)	0.81	0.0245 (ppm)	820.3245
5/8/2019 00:12:25	R1903953-020L	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-137.5968
5/8/2019 00:12:25	R1903953-020L	Al (394.401 nm)	6.23	0.0113 (ppm)	492.0834
5/8/2019 00:12:25	R1903953-020L	As (188.980 nm)	38.47	0.0021 (ppm)	1.1476
5/8/2019 00:12:25	R1903953-020L	B (249.772 nm)	0.42	0.0249 (ppm)	1097.9156
5/8/2019 00:12:25	R1903953-020L	Ba (230.424 nm)	0.04	0.0627 (ppm)	2970.4726
5/8/2019 00:12:25	R1903953-020L	Be (313.107 nm)	91.10	0.0000 u (ppm)	-301.0950
5/8/2019 00:12:25	R1903953-020L	Ca (227.547 nm)	0.20	26.3237 (ppm)	1613.4088
5/8/2019 00:12:25	R1903953-020L	Cd (214.439 nm)	16.00	0.0006 (ppm)	16.2156
5/8/2019 00:12:25	R1903953-020L	Co (230.786 nm)	33.96	-0.0013 u (ppm)	-18.6794
5/8/2019 00:12:25	R1903953-020L	Cr (267.716 nm)	19.42	-0.0003 u (ppm)	5.5270
5/8/2019 00:12:25	R1903953-020L	Cu (327.395 nm)	33.60	-0.0003 u (ppm)	2.6280
5/8/2019 00:12:25	R1903953-020L	Fe (234.350 nm)	0.11	39.3063 o (ppm)	424234.7671
5/8/2019 00:12:25	R1903953-020L	K (766.491 nm)	0.32	4.8394 (ppm)	17577.9701
5/8/2019 00:12:25	R1903953-020L	Mg (279.078 nm)	0.10	17.7687 (ppm)	39941.1770
5/8/2019 00:12:25	R1903953-020L	Mn (257.610 nm)	0.22	0.3774 (ppm)	118338.8056
5/8/2019 00:12:25	R1903953-020L	Mo (202.032 nm)	10.94	-0.0008 u (ppm)	3.5754
5/8/2019 00:12:25	R1903953-020L	Na (588.995 nm)	0.20	15.2622 (ppm)	735440.6266
5/8/2019 00:12:25	R1903953-020L	Ni (230.299 nm)	12.87	-0.0021 u (ppm)	-32.7488
5/8/2019 00:12:25	R1903953-020L	Pb (220.353 nm)	73.25	-0.0003 u (ppm)	2.9155
5/8/2019 00:12:25	R1903953-020L	Sb (217.582 nm)	> 100.00	-0.0011 u (ppm)	-1.5071
5/8/2019 00:12:25	R1903953-020L	Se (196.026 nm)	> 100.00	0.0002 u (ppm)	3.7325
5/8/2019 00:12:25	R1903953-020L	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0544
5/8/2019 00:12:25	R1903953-020L	Sr (216.596 nm)	0.20	0.1589 (ppm)	1601.6188
5/8/2019 00:12:25	R1903953-020L	Ti (336.122 nm)	3.53	-0.0005 u (ppm)	-61.4152
5/8/2019 00:12:25	R1903953-020L	Ti (351.923 nm)	> 100.00	-0.0019 u (ppm)	-4.1174
5/8/2019 00:12:25	R1903953-020L	V (292.401 nm)	18.50	0.0005 (ppm)	66.7712
5/8/2019 00:12:25	R1903953-020L	Y (360.074 nm)	0.61	0.99 (Ratio)	960413.68
5/8/2019 00:12:25	R1903953-020L	Y_R (360.074 nm)	0.61	0.99 (Ratio)	960413.68
5/8/2019 00:12:25	R1903953-020L	Zn (213.857 nm)	0.46	0.0050 (ppm)	160.5108
5/8/2019 00:15:45	Continuing Calibration Verification 1	Ag (328.068 nm)	0.11	0.4927 (ppm)	36685.0667
5/8/2019 00:15:45	Continuing Calibration Verification 1	Al (394.401 nm)	0.17	9.5700 (ppm)	164003.7122

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:15:45	Continuing Calibration Verification1	As (188.980 nm)	0.45	0.9940 (ppm)	639.9746
5/8/2019 00:15:45	Continuing Calibration Verification1	B (249.772 nm)	0.19	2.4510 (ppm)	96186.3654
5/8/2019 00:15:45	Continuing Calibration Verification1	Ba (230.424 nm)	0.14	10.4905 (ppm)	489819.7505
5/8/2019 00:15:45	Continuing Calibration Verification1	Be (313.107 nm)	0.06	0.2562 (ppm)	341456.0101
5/8/2019 00:15:45	Continuing Calibration Verification1	Ca (227.547 nm)	0.45	23.9148 (ppm)	1465.8434
5/8/2019 00:15:45	Continuing Calibration Verification1	Cd (214.439 nm)	0.47	0.5119 (ppm)	10340.8480
5/8/2019 00:15:45	Continuing Calibration Verification1	Co (230.786 nm)	0.26	2.6528 (ppm)	33319.2098
5/8/2019 00:15:45	Continuing Calibration Verification1	Cr (267.716 nm)	0.23	0.5164 (ppm)	21060.1399
5/8/2019 00:15:45	Continuing Calibration Verification1	Cu (327.395 nm)	0.16	1.1974 (ppm)	79631.4141
5/8/2019 00:15:45	Continuing Calibration Verification1	Fe (234.350 nm)	0.15	4.9839 (ppm)	53833.7458
5/8/2019 00:15:45	Continuing Calibration Verification1	K (766.491 nm)	0.29	23.8870 (ppm)	86804.7922
5/8/2019 00:15:45	Continuing Calibration Verification1	Mg (279.078 nm)	0.22	25.2762 (ppm)	56806.8678
5/8/2019 00:15:45	Continuing Calibration Verification1	Mn (257.610 nm)	0.34	0.7621 (ppm)	238911.6481
5/8/2019 00:15:45	Continuing Calibration Verification1	Mo (202.032 nm)	0.44	2.5140 (ppm)	14195.2770
5/8/2019 00:15:45	Continuing Calibration Verification1	Na (588.995 nm)	0.15	24.1548 (ppm)	1168154.9179
5/8/2019 00:15:45	Continuing Calibration Verification1	Ni (230.299 nm)	0.26	2.0427 (ppm)	20249.7871
5/8/2019 00:15:45	Continuing Calibration Verification1	Pb (220.353 nm)	0.30	0.5157 (ppm)	1444.0768
5/8/2019 00:15:45	Continuing Calibration Verification1	Sb (217.582 nm)	0.05	4.7988 (ppm)	5569.9612
5/8/2019 00:15:45	Continuing Calibration Verification1	Se (196.026 nm)	0.50	0.4830 (ppm)	237.5996
5/8/2019 00:15:45	Continuing Calibration Verification1	Sn (189.925 nm)	0.15	5.1208 (ppm)	3585.1815
5/8/2019 00:15:45	Continuing Calibration Verification1	Sr (216.596 nm)	0.52	2.5789 (ppm)	25977.7226
5/8/2019 00:15:45	Continuing Calibration Verification1	Ti (336.122 nm)	0.13	2.5281 (ppm)	625321.1438
5/8/2019 00:15:45	Continuing Calibration Verification1	Tl (351.923 nm)	0.13	1.0044 (ppm)	2885.0492
5/8/2019 00:15:45	Continuing Calibration Verification1	V (292.401 nm)	0.18	2.5722 (ppm)	81389.8543
5/8/2019 00:15:45	Continuing Calibration Verification1	Y (360.074 nm)	0.34	0.96 (Ratio)	935801.77
5/8/2019 00:15:45	Continuing Calibration Verification1	Y_R (360.074 nm)	0.34	0.96 (Ratio)	935801.77
5/8/2019 00:15:45	Continuing Calibration Verification1	Zn (213.857 nm)	0.22	0.9932 (ppm)	33473.6016
5/8/2019 00:19:04	Continuing Calibration Blank1	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-137.4457
5/8/2019 00:19:04	Continuing Calibration Blank1	Al (394.401 nm)	9.33	-0.0066 u (ppm)	186.6511
5/8/2019 00:19:04	Continuing Calibration Blank1	As (188.980 nm)	51.10	0.0013 (ppm)	0.6617
5/8/2019 00:19:04	Continuing Calibration Blank1	B (249.772 nm)	42.68	-0.0008 u (ppm)	91.2275
5/8/2019 00:19:04	Continuing Calibration Blank1	Ba (230.424 nm)	> 100.00	0.0000 u (ppm)	42.0601
5/8/2019 00:19:04	Continuing Calibration Blank1	Be (313.107 nm)	60.52	0.0000 (ppm)	-282.0994
5/8/2019 00:19:04	Continuing Calibration Blank1	Ca (227.547 nm)	46.88	0.0389 (ppm)	3.2801
5/8/2019 00:19:04	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	3.0006
5/8/2019 00:19:04	Continuing Calibration Blank1	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.5078
5/8/2019 00:19:04	Continuing Calibration Blank1	Cr (267.716 nm)	40.61	-0.0001 u (ppm)	14.0302
5/8/2019 00:19:04	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	19.0125
5/8/2019 00:19:04	Continuing Calibration Blank1	Fe (234.350 nm)	34.09	0.0022 (ppm)	72.1055
5/8/2019 00:19:04	Continuing Calibration Blank1	K (766.491 nm)	40.57	0.0144 (ppm)	42.3173
5/8/2019 00:19:04	Continuing Calibration Blank1	Mg (279.078 nm)	50.09	-0.0053 u (ppm)	11.7098
5/8/2019 00:19:04	Continuing Calibration Blank1	Mn (257.610 nm)	> 100.00	0.0000 (ppm)	67.2011
5/8/2019 00:19:04	Continuing Calibration Blank1	Mo (202.032 nm)	33.25	0.0025 (ppm)	22.3184
5/8/2019 00:19:04	Continuing Calibration Blank1	Na (588.995 nm)	4.82	-0.0181 u (ppm)	-8109.7009
5/8/2019 00:19:04	Continuing Calibration Blank1	Ni (230.299 nm)	25.54	0.0023 (ppm)	10.0440
5/8/2019 00:19:04	Continuing Calibration Blank1	Pb (220.353 nm)	51.80	-0.0012 u (ppm)	0.4713
5/8/2019 00:19:04	Continuing Calibration Blank1	Sb (217.582 nm)	57.48	0.0026 (ppm)	2.8489
5/8/2019 00:19:04	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0034 (ppm)	5.3156
5/8/2019 00:19:04	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.7342
5/8/2019 00:19:04	Continuing Calibration Blank1	Sr (216.596 nm)	> 100.00	-0.0001 u (ppm)	0.4334
5/8/2019 00:19:04	Continuing Calibration Blank1	Ti (336.122 nm)	42.67	0.0006 (ppm)	198.7304

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:19:04	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	0.0020 (ppm)	7.1254
5/8/2019 00:19:04	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.2835
5/8/2019 00:19:04	Continuing Calibration Blank1	Y (360.074 nm)	0.52	1.01 (Ratio)	985787.48
5/8/2019 00:19:04	Continuing Calibration Blank1	Y_R (360.074 nm)	0.52	1.01 (Ratio)	985787.48
5/8/2019 00:19:04	Continuing Calibration Blank1	Zn (213.857 nm)	85.26	0.0001 (ppm)	-2.3093
5/8/2019 00:22:23	Contract Required Detection Limit	Ag (328.068 nm)	0.81	0.0097 (ppm)	592.0957
5/8/2019 00:22:23	Contract Required Detection Limit	Al (394.401 nm)	0.41	0.1727 (ppm)	3253.0639
5/8/2019 00:22:23	Contract Required Detection Limit	As (188.980 nm)	9.19	0.0162 (ppm)	10.2099
5/8/2019 00:22:23	Contract Required Detection Limit	B (249.772 nm)	0.16	0.1813 (ppm)	7228.0445
5/8/2019 00:22:23	Contract Required Detection Limit	Ba (230.424 nm)	0.65	0.2148 (ppm)	10070.2168
5/8/2019 00:22:23	Contract Required Detection Limit	Be (313.107 nm)	0.18	0.0049 (ppm)	6266.1129
5/8/2019 00:22:23	Contract Required Detection Limit	Ca (227.547 nm)	5.11	0.9327 (ppm)	58.0322
5/8/2019 00:22:23	Contract Required Detection Limit	Cd (214.439 nm)	1.91	0.0102 (ppm)	211.2108
5/8/2019 00:22:23	Contract Required Detection Limit	Co (230.786 nm)	1.17	0.0522 (ppm)	653.6335
5/8/2019 00:22:23	Contract Required Detection Limit	Cr (267.716 nm)	0.90	0.0102 (ppm)	435.0144
5/8/2019 00:22:23	Contract Required Detection Limit	Cu (327.395 nm)	0.70	0.0241 (ppm)	1628.2312
5/8/2019 00:22:23	Contract Required Detection Limit	Fe (234.350 nm)	0.37	0.1068 (ppm)	1200.7745
5/8/2019 00:22:23	Contract Required Detection Limit	K (766.491 nm)	0.60	0.8862 (ppm)	3210.6579
5/8/2019 00:22:23	Contract Required Detection Limit	Mg (279.078 nm)	0.26	0.9903 (ppm)	2248.3330
5/8/2019 00:22:23	Contract Required Detection Limit	Mn (257.610 nm)	0.06	0.0158 (ppm)	5001.7223
5/8/2019 00:22:23	Contract Required Detection Limit	Mo (202.032 nm)	1.07	0.0248 (ppm)	148.5301
5/8/2019 00:22:23	Contract Required Detection Limit	Na (588.995 nm)	0.50	0.9522 (ppm)	39105.5143
5/8/2019 00:22:23	Contract Required Detection Limit	Ni (230.299 nm)	1.92	0.0425 (ppm)	408.8224
5/8/2019 00:22:23	Contract Required Detection Limit	Pb (220.353 nm)	3.43	0.0108 (ppm)	33.9567
5/8/2019 00:22:23	Contract Required Detection Limit	Sb (217.582 nm)	0.92	0.0594 (ppm)	68.7509
5/8/2019 00:22:23	Contract Required Detection Limit	Se (196.026 nm)	60.06	0.0080 R (ppm)	7.5099 R
5/8/2019 00:22:23	Contract Required Detection Limit	Sn (189.925 nm)	0.98	0.5082 (ppm)	354.9965
5/8/2019 00:22:23	Contract Required Detection Limit	Sr (216.596 nm)	0.88	0.1048 (ppm)	1056.1566
5/8/2019 00:22:23	Contract Required Detection Limit	Ti (336.122 nm)	0.09	0.0505 (ppm)	12545.1772
5/8/2019 00:22:23	Contract Required Detection Limit	Tl (351.923 nm)	6.72	0.0156 R (ppm)	46.0887 R
5/8/2019 00:22:23	Contract Required Detection Limit	V (292.401 nm)	0.72	0.0504 (ppm)	1643.1628
5/8/2019 00:22:23	Contract Required Detection Limit	Y (360.074 nm)	0.41	1.01 (Ratio)	984112.10
5/8/2019 00:22:23	Contract Required Detection Limit	Y_R (360.074 nm)	0.41	1.01 (Ratio)	984112.10
5/8/2019 00:22:23	Contract Required Detection Limit	Zn (213.857 nm)	1.04	0.0198 (ppm)	659.6337
5/8/2019 00:25:42	Interference Check Solution A	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-136.0077
5/8/2019 00:25:42	Interference Check Solution A	Al (394.401 nm)	0.13	265.3581 o (ppm)	4539541.6424
5/8/2019 00:25:42	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0053 Ku (ppm)	-3.6082 K
5/8/2019 00:25:42	Interference Check Solution A	B (249.772 nm)	0.57	0.0456 (ppm)	1910.9415
5/8/2019 00:25:42	Interference Check Solution A	Ba (230.424 nm)	69.51	-0.0002 u (ppm)	35.0151
5/8/2019 00:25:42	Interference Check Solution A	Be (313.107 nm)	8.01	-0.0001 u (ppm)	-384.9755
5/8/2019 00:25:42	Interference Check Solution A	Ca (227.547 nm)	0.04	266.0173 o (ppm)	16296.2914
5/8/2019 00:25:42	Interference Check Solution A	Cd (214.439 nm)	18.49	-0.0008 u (ppm)	-11.7907
5/8/2019 00:25:42	Interference Check Solution A	Co (230.786 nm)	18.77	-0.0028 u (ppm)	-37.7342
5/8/2019 00:25:42	Interference Check Solution A	Cr (267.716 nm)	31.31	0.0006 (ppm)	41.8994
5/8/2019 00:25:42	Interference Check Solution A	Cu (327.395 nm)	90.55	-0.0002 u (ppm)	11.1629
5/8/2019 00:25:42	Interference Check Solution A	Fe (234.350 nm)	0.51	92.4801 o (ppm)	998077.4724
5/8/2019 00:25:42	Interference Check Solution A	K (766.491 nm)	20.08	0.0116 (ppm)	32.0302
5/8/2019 00:25:42	Interference Check Solution A	Mg (279.078 nm)	0.23	266.7771 o (ppm)	599341.6697
5/8/2019 00:25:42	Interference Check Solution A	Mn (257.610 nm)	1.49	0.0019 (ppm)	658.3707
5/8/2019 00:25:42	Interference Check Solution A	Mo (202.032 nm)	> 100.00	-0.0007 u (ppm)	4.3686
5/8/2019 00:25:42	Interference Check Solution A	Na (588.995 nm)	2.64	-0.0346 u (ppm)	-8909.3515

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:25:42	Interference Check Solution A	Ni (230.299 nm)	55.50	-0.0013 u (ppm)	-25.0415
5/8/2019 00:25:42	Interference Check Solution A	Pb (220.353 nm)	61.02	-0.0032 u (ppm)	-5.2997
5/8/2019 00:25:42	Interference Check Solution A	Sb (217.582 nm)	24.36	-0.0053 u (ppm)	-6.3208
5/8/2019 00:25:42	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0049 u (ppm)	1.2835
5/8/2019 00:25:42	Interference Check Solution A	Sn (189.925 nm)	> 100.00	-0.0015 u (ppm)	-1.9003
5/8/2019 00:25:42	Interference Check Solution A	Sr (216.596 nm)	1.22	0.0190 (ppm)	192.8385
5/8/2019 00:25:42	Interference Check Solution A	Ti (336.122 nm)	7.81	0.0010 (ppm)	296.7141
5/8/2019 00:25:42	Interference Check Solution A	Tl (351.923 nm)	36.35	0.0068 (ppm)	20.8236
5/8/2019 00:25:42	Interference Check Solution A	V (292.401 nm)	3.92	0.0017 (ppm)	103.7409
5/8/2019 00:25:42	Interference Check Solution A	Y (360.074 nm)	0.43	0.88 (Ratio)	858866.88
5/8/2019 00:25:42	Interference Check Solution A	Y_R (360.074 nm)	0.43	0.88 (Ratio)	858866.88
5/8/2019 00:25:42	Interference Check Solution A	Zn (213.857 nm)	0.17	0.0119 K (ppm)	394.7234 K
5/8/2019 00:29:02	Interference Check Solution AB	Ag (328.068 nm)	0.10	0.2110 (ppm)	15636.2626
5/8/2019 00:29:02	Interference Check Solution AB	Al (394.401 nm)	0.25	263.6573 o (ppm)	4510448.0138
5/8/2019 00:29:02	Interference Check Solution AB	As (188.980 nm)	1.40	0.1018 (ppm)	65.3807
5/8/2019 00:29:02	Interference Check Solution AB	B (249.772 nm)	0.43	0.0444 (ppm)	1862.0976
5/8/2019 00:29:02	Interference Check Solution AB	Ba (230.424 nm)	0.26	0.5322 (ppm)	24890.1807
5/8/2019 00:29:02	Interference Check Solution AB	Be (313.107 nm)	0.63	0.5035 (ppm)	671173.3207
5/8/2019 00:29:02	Interference Check Solution AB	Ca (227.547 nm)	0.22	263.9067 o (ppm)	16166.9971
5/8/2019 00:29:02	Interference Check Solution AB	Cd (214.439 nm)	0.07	0.9905 (ppm)	20005.7517
5/8/2019 00:29:02	Interference Check Solution AB	Co (230.786 nm)	0.28	0.4931 (ppm)	6191.3250
5/8/2019 00:29:02	Interference Check Solution AB	Cr (267.716 nm)	0.14	0.5054 (ppm)	20610.1224
5/8/2019 00:29:02	Interference Check Solution AB	Cu (327.395 nm)	0.40	0.5121 (ppm)	34067.9386
5/8/2019 00:29:02	Interference Check Solution AB	Fe (234.350 nm)	0.29	91.8975 o (ppm)	991790.3765
5/8/2019 00:29:02	Interference Check Solution AB	K (766.491 nm)	> 100.00	-0.0013 u (ppm)	-14.9873
5/8/2019 00:29:02	Interference Check Solution AB	Mg (279.078 nm)	0.49	265.8806 o (ppm)	597327.6613
5/8/2019 00:29:02	Interference Check Solution AB	Mn (257.610 nm)	0.10	0.4989 (ppm)	156401.7470
5/8/2019 00:29:02	Interference Check Solution AB	Mo (202.032 nm)	26.97	-0.0004 u (ppm)	5.8868
5/8/2019 00:29:02	Interference Check Solution AB	Na (588.995 nm)	2.31	-0.0404 u (ppm)	-9194.6917
5/8/2019 00:29:02	Interference Check Solution AB	Ni (230.299 nm)	0.57	0.9692 (ppm)	9601.5662
5/8/2019 00:29:02	Interference Check Solution AB	Pb (220.353 nm)	3.01	0.0484 (ppm)	138.9091
5/8/2019 00:29:02	Interference Check Solution AB	Sb (217.582 nm)	1.37	0.6058 (ppm)	702.9279
5/8/2019 00:29:02	Interference Check Solution AB	Se (196.026 nm)	18.37	0.0492 (ppm)	27.4979
5/8/2019 00:29:02	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1154
5/8/2019 00:29:02	Interference Check Solution AB	Sr (216.596 nm)	3.08	0.0185 (ppm)	187.0400
5/8/2019 00:29:02	Interference Check Solution AB	Ti (336.122 nm)	2.25	0.0010 (ppm)	309.8309
5/8/2019 00:29:02	Interference Check Solution AB	Tl (351.923 nm)	4.86	0.1166 (ppm)	336.0717
5/8/2019 00:29:02	Interference Check Solution AB	V (292.401 nm)	0.11	0.5101 (ppm)	16181.3901
5/8/2019 00:29:02	Interference Check Solution AB	Y (360.074 nm)	0.45	0.89 (Ratio)	862118.31
5/8/2019 00:29:02	Interference Check Solution AB	Y_R (360.074 nm)	0.45	0.89 (Ratio)	862118.31
5/8/2019 00:29:02	Interference Check Solution AB	Zn (213.857 nm)	0.10	1.0299 (ppm)	34710.3867
5/8/2019 00:32:21	Continuing Calibration Verification 1	Ag (328.068 nm)	0.18	0.4921 (ppm)	36642.2523
5/8/2019 00:32:21	Continuing Calibration Verification 1	Al (394.401 nm)	0.21	9.5817 (ppm)	164204.3237
5/8/2019 00:32:21	Continuing Calibration Verification 1	As (188.980 nm)	0.61	0.9925 (ppm)	639.0043
5/8/2019 00:32:21	Continuing Calibration Verification 1	B (249.772 nm)	0.22	2.4354 (ppm)	95572.2949
5/8/2019 00:32:21	Continuing Calibration Verification 1	Ba (230.424 nm)	0.33	10.4691 (ppm)	488824.5317
5/8/2019 00:32:21	Continuing Calibration Verification 1	Be (313.107 nm)	0.31	0.2560 (ppm)	341096.3539
5/8/2019 00:32:21	Continuing Calibration Verification 1	Ca (227.547 nm)	0.28	23.8700 (ppm)	1463.1011
5/8/2019 00:32:21	Continuing Calibration Verification 1	Cd (214.439 nm)	0.09	0.5083 (ppm)	10269.0784
5/8/2019 00:32:21	Continuing Calibration Verification 1	Co (230.786 nm)	0.05	2.6396 (ppm)	33153.7226
5/8/2019 00:32:21	Continuing Calibration Verification 1	Cr (267.716 nm)	0.05	0.5138 (ppm)	20954.8477

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/8/2019 00:32:21	Continuing Calibration Verification 1	Cu (327.395 nm)	0.41	1.1899 (ppm)	79130.4832
5/8/2019 00:32:21	Continuing Calibration Verification 1	Fe (234.350 nm)	0.22	4.9733 (ppm)	53719.3316
5/8/2019 00:32:21	Continuing Calibration Verification 1	K (766.491 nm)	0.71	23.9174 (ppm)	86915.2673
5/8/2019 00:32:21	Continuing Calibration Verification 1	Mg (279.078 nm)	0.15	25.2520 (ppm)	56752.5554
5/8/2019 00:32:21	Continuing Calibration Verification 1	Mn (257.610 nm)	0.10	0.7559 (ppm)	236968.6282
5/8/2019 00:32:21	Continuing Calibration Verification 1	Mo (202.032 nm)	0.19	2.5056 (ppm)	14148.1962
5/8/2019 00:32:21	Continuing Calibration Verification 1	Na (588.995 nm)	0.53	24.1517 (ppm)	1168004.9622
5/8/2019 00:32:21	Continuing Calibration Verification 1	Ni (230.299 nm)	0.05	2.0315 (ppm)	20138.4130
5/8/2019 00:32:21	Continuing Calibration Verification 1	Pb (220.353 nm)	0.26	0.5131 (ppm)	1436.8953
5/8/2019 00:32:21	Continuing Calibration Verification 1	Sb (217.582 nm)	0.25	4.8122 (ppm)	5585.5362
5/8/2019 00:32:21	Continuing Calibration Verification 1	Se (196.026 nm)	1.54	0.4877 (ppm)	239.8989
5/8/2019 00:32:21	Continuing Calibration Verification 1	Sn (189.925 nm)	0.30	5.1079 (ppm)	3576.1169
5/8/2019 00:32:21	Continuing Calibration Verification 1	Sr (216.596 nm)	0.16	2.5799 (ppm)	25987.5612
5/8/2019 00:32:21	Continuing Calibration Verification 1	Ti (336.122 nm)	0.39	2.5277 (ppm)	625235.4041
5/8/2019 00:32:21	Continuing Calibration Verification 1	Tl (351.923 nm)	0.54	1.0073 (ppm)	2893.4578
5/8/2019 00:32:21	Continuing Calibration Verification 1	V (292.401 nm)	0.11	2.5627 (ppm)	81089.4219
5/8/2019 00:32:21	Continuing Calibration Verification 1	Y (360.074 nm)	0.53	0.97 (Ratio)	940610.91
5/8/2019 00:32:21	Continuing Calibration Verification 1	Y_R (360.074 nm)	0.53	0.97 (Ratio)	940610.91
5/8/2019 00:32:21	Continuing Calibration Verification 1	Zn (213.857 nm)	0.07	0.9907 (ppm)	33387.9563
5/8/2019 00:35:40	Continuing Calibration Blank 1	Ag (328.068 nm)	56.65	-0.0001 u (ppm)	-137.4063
5/8/2019 00:35:40	Continuing Calibration Blank 1	Al (394.401 nm)	9.58	-0.0021 u (ppm)	262.8659
5/8/2019 00:35:40	Continuing Calibration Blank 1	As (188.980 nm)	> 100.00	0.0018 u (ppm)	0.9365
5/8/2019 00:35:40	Continuing Calibration Blank 1	B (249.772 nm)	14.81	-0.0009 u (ppm)	86.7307
5/8/2019 00:35:40	Continuing Calibration Blank 1	Ba (230.424 nm)	> 100.00	0.0002 u (ppm)	52.6014
5/8/2019 00:35:40	Continuing Calibration Blank 1	Be (313.107 nm)	29.14	0.0000 (ppm)	-266.9413
5/8/2019 00:35:40	Continuing Calibration Blank 1	Ca (227.547 nm)	> 100.00	0.0279 u (ppm)	2.6069
5/8/2019 00:35:40	Continuing Calibration Blank 1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.6086
5/8/2019 00:35:40	Continuing Calibration Blank 1	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.5693
5/8/2019 00:35:40	Continuing Calibration Blank 1	Cr (267.716 nm)	61.02	-0.0001 u (ppm)	12.7616
5/8/2019 00:35:40	Continuing Calibration Blank 1	Cu (327.395 nm)	94.25	-0.0001 u (ppm)	21.0069
5/8/2019 00:35:40	Continuing Calibration Blank 1	Fe (234.350 nm)	13.47	0.0026 (ppm)	75.9977
5/8/2019 00:35:40	Continuing Calibration Blank 1	K (766.491 nm)	> 100.00	-0.0033 u (ppm)	-22.2345
5/8/2019 00:35:40	Continuing Calibration Blank 1	Mg (279.078 nm)	> 100.00	0.0009 u (ppm)	25.5876
5/8/2019 00:35:40	Continuing Calibration Blank 1	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	61.6113
5/8/2019 00:35:40	Continuing Calibration Blank 1	Mo (202.032 nm)	32.66	0.0023 (ppm)	21.3265
5/8/2019 00:35:40	Continuing Calibration Blank 1	Na (588.995 nm)	11.75	-0.0181 u (ppm)	-8107.7426
5/8/2019 00:35:40	Continuing Calibration Blank 1	Ni (230.299 nm)	23.25	0.0024 (ppm)	11.2902
5/8/2019 00:35:40	Continuing Calibration Blank 1	Pb (220.353 nm)	> 100.00	0.0011 (ppm)	6.7464
5/8/2019 00:35:40	Continuing Calibration Blank 1	Sb (217.582 nm)	> 100.00	0.0014 u (ppm)	1.4383
5/8/2019 00:35:40	Continuing Calibration Blank 1	Se (196.026 nm)	> 100.00	0.0030 u (ppm)	5.0969
5/8/2019 00:35:40	Continuing Calibration Blank 1	Sn (189.925 nm)	> 100.00	-0.0001 u (ppm)	-0.8920
5/8/2019 00:35:40	Continuing Calibration Blank 1	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	2.0213
5/8/2019 00:35:40	Continuing Calibration Blank 1	Ti (336.122 nm)	59.68	0.0006 (ppm)	205.3889
5/8/2019 00:35:40	Continuing Calibration Blank 1	Tl (351.923 nm)	15.64	-0.0020 u (ppm)	-4.5403
5/8/2019 00:35:40	Continuing Calibration Blank 1	V (292.401 nm)	> 100.00	0.0001 u (ppm)	52.1367
5/8/2019 00:35:40	Continuing Calibration Blank 1	Y (360.074 nm)	0.48	1.01 (Ratio)	986728.19
5/8/2019 00:35:40	Continuing Calibration Blank 1	Y_R (360.074 nm)	0.48	1.01 (Ratio)	986728.19
5/8/2019 00:35:40	Continuing Calibration Blank 1	Zn (213.857 nm)	58.18	0.0002 (ppm)	-1.0336

Ag (328.068 nm)
Intensity = 74723.17179761 * Concentration - 131.30204666
Correlation coefficient: 0.99999

As (188.980 nm)
Intensity = 644.01314121 * Concentration - 0.19107777
Correlation coefficient: 0.99999

B (249.772 nm)
Intensity = 39192.91561465 * Concentration + 123.25828285
Correlation coefficient: 0.99999

Ba (230.424 nm)
Intensity = 46687.72936468 * Concentration + 43.87745331
Correlation coefficient: 0.99997

Be (313.107 nm)
Intensity = 1333676.38548176 * Concentration - 297.08086269
Correlation coefficient: 1.00000

Cd (214.439 nm)
Intensity = 20193.22614439 * Concentration + 4.62535615
Correlation coefficient: 0.99999

Co (230.786 nm)
Intensity = 12561.10677560 * Concentration - 2.39366011
Correlation coefficient: 0.99999

Cr (267.716 nm)
Intensity = 40748.99667730 * Concentration + 17.57402534
Correlation coefficient: 1.00000

Cu (327.395 nm)
Intensity = 66479.79754893 * Concentration + 25.70807310
Correlation coefficient: 0.99999

K (766.491 nm)
Intensity = 3634.39593577 * Concentration - 10.14930839
Correlation coefficient: 0.99996

Mn (257.610 nm)
Intensity = 313398.20577807 * Concentration + 62.80112766
Correlation coefficient: 1.00000

Mo (202.032 nm)
Intensity = 5643.20595934 * Concentration + 8.35643970
Correlation coefficient: 1.00000

Na (588.995 nm)
Intensity = 48660.48985281 * Concentration - 7227.56657400
Correlation coefficient: 1.00000

Ni (230.299 nm)
Intensity = 9919.31471188 * Concentration - 12.31184065
Correlation coefficient: 0.99999

Pt (220.353 nm)
Intensity = 2793.08107911 * Concentration + 3.74490825
Correlation coefficient: 0.99998

Sb (217.582 nm)
Intensity = 1160.74976604 * Concentration - 0.20473657
Correlation coefficient: 1.00000

Se (196.026 nm)
Intensity = 484.37272713 * Concentration + 3.65680744
Correlation coefficient: 0.99997

Sn (189.925 nm)
Intensity = 700.28399585 * Concentration - 0.85326946
Correlation coefficient: 1.00000

Ti (336.122 nm)
Intensity = 247328.48556978 * Concentration + 52.00836190
Correlation coefficient: 1.00000

Tl (351.923 nm)
Intensity = 2871.24474009 * Concentration + 1.27914335
Correlation coefficient: 0.99998

V (292.401 nm)
Intensity = 31523.25191677 * Concentration + 49.44421606
Correlation coefficient: 1.00000

Zn (213.857 nm)
Intensity = 33709.24338825 * Concentration - 6.90849802
Correlation coefficient: 1.00000

Al (394.401 nm)
Intensity = 17106.10060536 * Concentration + 298.97652854
Correlation coefficient: 0.99992

Ca (227.547 nm)
Intensity = 61.25687637 * Concentration + 0.89980764
Correlation coefficient: 0.99996

Fe (234.350 nm)
Intensity = 10791.83123833 * Concentration + 48.25717273
Correlation coefficient: 1.00000

Mg (279.078 nm)
Intensity = 2246.51233225 * Concentration + 23.52317315
Correlation coefficient: 0.99980

Sr (216.596 nm)
Intensity = 10072.64862388 * Concentration + 0.98889834
Correlation coefficient: 1.00000

Prep Run#: 336018
 Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
 Prep Method: EPA 3050B

Status: Prepped
 Prep Date/Time: 5/6/19 11:45

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	Spike Amt./Inv. ID	Comments
1	RQ1904163-06	MB		0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Fe T, Pb T, Se T				50.00mL	White-Coarse/Colorless-Clear		HB: 1 Well: F1 Temp: 90.0C/91.5C Corr. Factor: 0.0C Corr. Temp: 90.0C/91.5C
2	RQ1904163-07	LCS		0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Fe T, Pb T, Se T				50.00mL	White-Coarse/Colorless-Clear	0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193084; 0.2500 mL/193076; 0.5000 mL/193085	On HB: 12:20 Off HB: 14:43 Pipets/Repipettors used: M23, M27, M31, M103, M106, M203, M104
3	R1903890-001	Stained	.01	0.5g	6010C/Fe T				50.00mL	White-Medium/Colorless-Clear		
4	R1903890-002	Unstained	.02	0.5g	6010C/Fe T				50.00mL	White-Medium/Colorless-Clear		
5	R1903954-001	TB-01-24 (1-3)	.02	0.5300g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
6	RQ1904163-04	R1903954-001 MS	.01	0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear	0.1000 mL/193077; 0.5000 mL/193084; 0.5000 mL/193085; 0.2500 mL/193076; 0.0500 mL/193078	
7	RQ1904163-05	R1903954-001 DMS	.01	0.5500g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear	0.5000 mL/193084; 0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193085; 0.1000 mL/193077	
8	R1903954-003	TB-02-24 (2-4)	.01	0.5300g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
9	R1903954-006	TB-05-24 (1-4)	.02	0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
10	R1903954-008	TB-06-24 (4-5)	.01	0.5400g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
11	R1903954-010	TB-07-24 (2-4)	.01	0.5500g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID 193076	Logbook Ref: M7600007D	Expires On: 02/28/2020	Lot #: 1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Information Benchsheet

Prep Run#: 336018
Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/6/19 11:45

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	50 mL Lot 1812117 (197999)
Hydrogen Peroxide 30% Reagent	M7600008R (195511)	Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)
Grade H2O2					
Thermometer	294 (12954)				

Preparation Steps

Step: Digestion
Started: 5/6/19 11:45
Finished: 5/6/19 16:08
By: KMCLAEN
Comments

Comments: _____

Reviewed By: [Signature] Date: 5/7/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u>[Signature]</u>	Date: <u>5/6/19</u>	<u>Extracts Examined</u> Yes No
Received By: <u>RAOI</u>	Date: <u>5/6/19</u>	

Preparation Information Benchsheet

Prep Run#: 336053
 Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
 Prep Method: EPA 3005A/3010A

Status: Prepped
 Prep Date/Time: 5/6/19 15:27

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904182-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 1 Well: F1 Temp: 92.0C Corr. Factor: 0.0C Corr. Temp: 92.0C Plunge Filtered
2	RQ1904182-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193085	On HB: 16:44 HB turn off: 2:44 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
3	RQ1904182-03	MDLV		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
4	R1902784-013	6010C MDLV #2	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
5	R1903917-001	DGC-5A	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
6	R1903917-002	DGC-7	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
7	R1903917-003	DGC-3SRR	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
8	R1903917-004	MW-302R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
9	RQ1904182-04	R1903917-004 MS	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077; 0.5000 mL/193085	Plunge Filtered

Preparation Information Benchsheet

Prep Run#: 336053

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/6/19 15:27

10	RQ1904182-05	R1903917-004 DMS	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193084; 0.1000 mL/193077; 0.2500 mL/193076; 0.5000 mL/193085	Plunge Filtered
11	R1903917-005	DGC-8S	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
12	R1903917-006	NCP	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		
13	R1903917-007	P-104	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
14	R1903917-008	MW-306	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
15	R1903917-009	MW-305R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Yellow-Clear/Yellow-Clear		
16	R1903917-010	MW-304	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		
17	R1903917-011	DUPE-X	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
18	R1903917-013	MW-308R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		
19	R1903917-014	MW-316	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered

Preparation Information Benchsheet

Prep Run#: 336053

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/6/19 15:27

20	R1903917-015	MW-315	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
21	R1903917-016	MW-309R	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		
22	R1903917-017	NC #1	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		
23	R1903917-018	NC #2	.01	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2		50.00mL	Colorless-Clear		

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

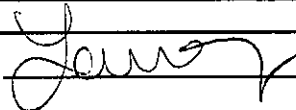
Preparation Materials

I:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9105-CC (199107)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
 Started: 5/6/19 15:27
 Finished: 5/7/19 14:48
 By: KMCLAEN
 Comments

Comments: _____

Reviewed By:  Date: 5/7/19 Spike Witness: LHERRING Date: _____

Preparation Information Benchsheet

Prep Run#: 336053
Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/6/19 15:27

2784 5/16
391.7 ~~5/18~~ 5/14

Chain of Custody

Relinquished By: <u>Kenn Meyer</u>	Date: <u>5/7/19</u>	Extracts Examined Yes No
Received By: <u>RAC</u>	Date: <u>5/7/19</u>	

Preparation Information Benchsheet

Prep Run#: 336055
 Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
 Prep Method: EPA 3005A/3010A

Status: Prepped
 Prep Date/Time: 5/6/19 15:27

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	Spike Amt./Inv. ID	Comments
1	RQ1904184-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 1 Well: F1 Temp: 92.0C Corr. Factor: 0.0C Corr. Temp: 92.0C
2	RQ1904184-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193085; 0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077	On HB: 16:44 HB turn off: 2:44 Pipets/Repipettors used: M23,M27,M31,M106,M104
3	RQ1904184-03	DLCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193085; 0.0500 mL/193078; 0.2500 mL/193076; 0.5000 mL/193084; 0.1000 mL/193077	
4	R1903833-001	MWO-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
5	R1903833-002	MWL-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
6	R1903833-003	MWQ-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
7	R1903833-004	DUPI-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
8	R1903833-005	MWH-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
9	R1903919-001	MWJ-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		Ther IV
10	R1903919-002	MWP-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
11	R1903919-003	MWCR-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
12	R1903919-004	MWE-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
13	R1903919-005	MWF-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
14	R1903919-006	MWD-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
15	R1903919-007	MWGR-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
16	R1903919-008	MWN-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
17	R1903919-009	EB1-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
18	R1903966-001	Phase I Cell 1	.12	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		Ther IV

Preparation Information Benchsheet

Prep Run#: 336055

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/6/19 15:27

19	R1903971-001	1905010950B BLM-24-565	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		
20	R1903971-006	1905020747B BLM-26-404	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		
21	R1903971-011	1905020918B ST-1-473	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID 193076	Logbook Ref: M7600007D	Expires On: 02/28/2020	Lot #: 1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Materials

1:1 HCl Metals Grade M7600009G (197995) Hot Block Cups 50 mL Lot 1812117 (197999) Nitric Acid Metals Grade HNO3 M7600009S (197992)
 Thermometer 294 (12954)

Preparation Steps

Step: Digestion
 Started: 5/6/19 15:27
 Finished: 5/7/19 14:24
 By: KMCLAEN

Comments

Comments: _____

Reviewed By: *[Signature]* Date: 5/7/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u><i>Kelly Mejeun</i></u>	Date: <u>5/7/19</u>	Extracts Examined Yes No
Received By: <u><i>RAF</i></u>	Date: <u>5/7/19</u>	

Preparation Information Benchsheet

Prep Run#: 336054
 Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
 Prep Method: EPA 3005A/3010A

Status: Prepped
 Prep Date/Time: 5/6/19 15:27

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904183-01	MB		50mL	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD	<2			50.00mL	Colorless-Clear		HB: 1 Well: F1 Temp: 92.0C Corr. Factor: 0.0C Corr. Temp: 92.0C
2	RQ1904183-02	LCS		50mL	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD	<2			50.00mL	Colorless-Clear		On HB: 16:44 HB turn off: 2:44 Pipets/Repipettors used: M23,M27,M31,M106,M104
3	RQ1904183-03	LODV		50mL	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD	<2			50.00mL	Colorless-Clear		
4	R1903853-001	ICP#6 Water LODv	.01	50mL	6010C/Ag T DOD, Al T DOD, As T DOD, B T DOD, Ba T DOD, Be T DOD, Ca T DOD, Cd T DOD, Co T DOD, Cr T DOD, Cu T DOD, Fe T DOD, K T DOD, Mg T DOD, Mn T DOD, Mo T DOD, Na T DOD, Ni T DOD, Pb T DOD, Sb T DOD, Se T DOD, Sn T DOD, Sr T DOD, Ti T DOD, Tl T DOD, V T DOD, Zn T DOD	<2			50.00mL	Colorless-Clear		

Preparation Materials

1:1 HCl Metals Grade M7600009G (197995) Hot Block Cups 50 mL Lot 1812117 (197999) Nitric Acid Metals Grade HNO3 M7600009S (197992)
 Thermometer 294 (12954)

Preparation Information Benchsheet

Prep Run#: 336054
Team: Metals/KMCLAEN

Prep WorkFlow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/6/19 15:27

Preparation Steps

Step: Digestion
Started: 5/6/19 15:27
Finished: 5/7/19 14:26
By: KMCLAEN
Comments

38335/10
3919 5/19
3966 5/19
3971 5/19

(LS)

Comments: _____

Reviewed By: [Signature] Date: 5/7/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u>Kelly McJannet</u>	Date: <u>5/7/19</u>	<u>Extracts Examined</u> Yes No
Received By: <u>RACP</u>	Date: <u>5/7/19</u>	

Prep Run#: 336057

Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP

Prep Method: EPA 3005A/3010A

Status: Prepped

Prep Date/Time: 5/6/19 15:30

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904185-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Ti T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 7 Well: F1 Temp: 91.0C Corr. Factor: 0.0C Corr. Temp: 91.0C
2	RQ1904185-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Ti T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193085; 0.2500 mL/193076; 0.5000 mL/193084; 0.0500 mL/193078; 0.1000 mL/193077	On HB: 16:56 HB turn off: 2:56 Pipets/Repipettors used: M23, M27, M31, M106, M104
3	RQ1904185-03	DLCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Ti T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.5000 mL/193084; 0.5000 mL/193085; 0.0500 mL/193078; 0.2500 mL/193076; 0.1000 mL/193077	
4	R1903918-001	LCS-0519	.03	50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Ti T, V T, Zn T	<2			50.00mL	Yellow-Clear/Yellow-Clear		Tier IV
5	R1903953-002	T-23-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		Tier IV
6	R1903953-003	WEX-0210-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
7	R1903953-004	WEX-0210-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
8	R1903953-005	T-25-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
9	R1903953-006	T-25-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
10	R1903953-007	T-31-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
11	R1903953-008	T-31-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
12	R1903953-009	T-38-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
13	R1903953-010	T-38-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
14	R1903953-011	T-32-SBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
15	R1903953-012	T-32-DBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
16	R1903953-013	T-37-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
17	R1903953-014	T-37-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
18	R1903953-016	T-35-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
19	R1903953-017	IN-6S	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		

Preparation Information Benchsheet

Prep Run#: 336057

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/6/19 15:30

20	R1903953-018	IN-7S	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2		50.00mL	Colorless-Clear		
21	R1903953-019	Office Well	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2		50.00mL	Colorless-Clear		
22	R1903953-020	IN-3S	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2		50.00mL	Yellow-Clear/Yellow-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name: Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name: Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name: Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade M7600009G (197995) Hot Block Cups 50 mL Lot 1812117 (197999) Nitric Acid Metals Grade HNO3 M7600009S (197992)
 Thermometer 293 (12952)

Preparation Steps

Step: Digestion
 Started: 5/6/19 15:30
 Finished: 5/7/19 14:28
 By: KMCLAEN
 Comments

Comments: _____

Reviewed By: *[Signature]* Date: 5/7/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u><i>Kelly McJannet</i></u>	Date: <u>5/7/19</u>	<u>Extracts Examined</u> Yes No
Received By: <u><i>RACI</i></u>	Date: <u>5/7/19</u>	

ICP ICV/CCV (Standard is prepared daily)
 (ICV FOR ILM5.3 IS A 1/2 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M760000910	5000	1.00	200	25.0
	MG		5000			25.0
	K		5000			25.0
	NA		5000			25.0
Cal Std 2	AG	M7600009W	100	1.00		0.500
	CR		100		0.500	
	MN		150		0.750	
	NI		400		2.00	
	ZN		200		1.00	
Cal Std 3	AL	M7600009X	2000	1.00		10.0
	BA		2000		10.0	
	BE		50		0.250	
	CO		500		2.50	
	CU		250		1.25	
	FE		1000		5.00	
	V		500		2.50	
Cal Std 4	AS	M7600009V	100	2.00		1.00
	CD		50		0.500	
	PB		50		0.500	
	SE		50		0.500	
	TL		100		1.00	
Single Metals	SB	M7600009P	1000	1.00		5.00
	SN	M7600009A	1000	1.00		5.00
	B	M7600009K	1000	0.500		2.50
	MO	M7600009L	1000	0.500		2.50
	TI	M7600009L	1000	0.500		2.50
	SR	M7600009T	1000	0.500		2.50
	P	-	1000	1.00		5.00

Analyst/Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Pipet ID
5/6/19 LH	A	M7600009S107	M7600009H51	M35
5/7/19 LH	B	M7600009S107	M7600009H51	M35
	C			
	D			
	E			
	F			
	G			
	H			
	I			
	J			
	K			
	L			
	M			
	N			
	O			
	P			
	Q			
	R			
	S			
	T			
	U			
	V			
	W			
	X			
	Y			
	Z			
	AA			
	BB			

OPTIMA 3,4,5,6 CALIBRATION STANDARD #1 (Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std. 1 Int.	AL	M76000021A	20.0	1.00	1000	0.020
	AS		5.00			0.0050
	CD		1.00			0.0010
	CO		3.00			0.0030
	CR		5.00			0.0050
	PB		5.00			0.0050
	V		3.00			0.0030
Cal Std. 1	CA	M76000021E	5000	0.100		
	K		5000			BELOW
	MG		5000			0.500
	NA		5000			0.500
Single Element	BA	M7600007H	1000	0.020		0.020
	CU	M7600007K	1000	0.010		0.010
	K	M760000055	10000	0.150		2.00
	MN	M76000056	1000	0.010		0.010
	MO	M760000087	1000	0.025		0.025
	SB	M7600007C	1000	0.010		0.010
	TL	M760000090	1000	0.010		0.010
	ZN	M76000003V	1000	0.010		0.010
	P	-	1000	0.100		0.100

Analyst/Date	Letter ID	Nitric Acid Lot#/Concentration	Hydrochloric Acid Lot #/Concentration	Expiration Date	Pipet ID
LH 3/1/19	A	M76000008F 21.	M760000914 5%	5/31/19	M35, M25
LH 3/1/19	B	M76000008F 10%	M760000914 5%	5/31/19	M35, M25
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

ICP CALIBRATION STANDARD #2

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Element	AL	M76000015	1000	0.100	1000	0.100
	AS	M7050001X	1000	0.010		0.010
	B	M7600008X	1000	0.200		0.200
	BE	M76000069 (1/10)	100	0.030		0.003
	CA	M7600005R	10000	0.100		1.00
	CD	M76000064 (1/10)	100	0.050		0.005
	CU	M7600007K	1000	0.020		0.020
	K	M7600005S	10000	0.200		2.00
	MG	M7600005L	10000	0.100		1.00
	NA	M7600009Y	10000	0.100		1.00
	PB	M7600005H	1000	0.050		0.050
	SB	M7600007L	1000	0.060		0.060
	SE	M7600007F	1000	0.010		0.010
	SN	M7600007D	1000	0.500		0.500

Analyst/Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
4/1/19 LH	A	M7600008F 21	M7600007H 51	4/22/19	M25, M32
4/1/19 LH	B	M7600008F 101	M7600009H 51	4/22/19	M25, M33
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

every 6 months

ICP CALIBRATION STANDARD #5 / HLCCV1 (Standard is prepared monthly or as necessary)
 (CALIBRATION STANDARD #3 IS A 1/100 DILUTION OF THIS STANDARD)
 (CALIBRATION STANDARD #4 IS A 1/5 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M760000K	100	2.00	2.00	1.00
	CR		100	5.00	5.00	1.00
	MN		150			1.50
	NI		400			4.00
	ZN		200			2.00
Cal Std 3	AL		M760000L			2000
	BA		2000	5.00		20.0
	BE		50			0.500
	CO		500			5.00
	CU		250			2.50
	FE		1000			10.0
	V		500			5.00
Cal Std 4	AS	M760000M	100	4.00	4.00	2.00
	CD		50	10.00		1.00
	PB		50			1.00
	SE		50			1.00
	TL		100			2.00
Single Metals	CA	M760000N	10000	1.00	2.50	50.0
	MG	M760000O	10000	1.00	2.50	50.0
	K	M760000P	10000	1.00	2.50	50.0
	NA	M760000Q	10000	1.00	2.50	50.0
	SB	M760000R	1000	2.00	5.00	10.0
	SN	M760000S	1000	2.00	5.00	10.0
	B	M760000T	1000	1.00	2.50	5.00
	MO	M760000U	1000	1.00	2.50	5.00
	TI	M760000V	1000	1.00	2.50	5.00
	SR	M760000W	1000	1.00	2.50	5.00

Analyst/Date	Letter ID	Nitric Acid Lot#/Concentration	Hydrochloric Acid Lot #/Concentration	Expiration Date	Pipet ID
LH 4/25/19	A	M760000S 2%	M760000T 5%	9/28/19	M32, M35
LH 4/25/19	B	M760000S 10%	M760000T 5%	9/28/19	M32, M35
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP MRL (Standard is prepared every 6 months or as needed)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M7600008L	5000	0.200	1000	1.00
	MG		5000			1.00
	K		5000			1.00
	NA		5000			1.00
Cal Std 2	AG	M7600010X	100	0.100		0.0100
	CR		100			0.0100
	MN		150			0.0150
	NI		400			0.0400
	ZN		200			0.0200
Cal Std 3	AL	M760004Y	2000	0.100		0.200
	BA		2000			0.200
	BE		50			0.0050
	CO		500			0.0500
	CU		250			0.0250
	FE		1000			0.100
	V		500			0.0500
Cal Std 4	AS	M7600010M	100	0.200		0.0200
	CD		50			0.0100
	PB		50			0.0100
	SE		50			0.0100
	TL		100			0.0200
Single Metals	B	M7600008Y	1000	0.200		0.200
	MO	M7600008Y	1000	0.025		0.0250
	SN	M7600007D	1000	0.500		0.500
	TI	M7600007G	1000	0.050		0.0500
	SB	M76000057	1000	0.060		0.0600
	SR	M7600007E	1000	0.100		0.100
	P	-	1000	0.100		0.100

Analyst/Date	Letter ID	Nitric Acid Lot# / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH4/26/19	A	M7600009S	M76000096	10/26/19	M25 MS
	B				
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP HLCCV2 (Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M7600008M	100	2.00	100	2.00
	CR		100			Below
	MN		150			Below
	NI		400			8.00
	ZN		200			4.00
Cal Std 3	AL	M7600008N	2000	2.00		Below
	BA		2000			40.0
	BE		50			1.00
	CO, V		500			10.0
	CU		250			5.00
	FE		1000			Below
Cal Std 4	AS, TL	M7600008D	100	4.00		4.00
	CD, SE		50			2.00
	PB		50			Below
Single Metals	B	M7600008X	1000	1.00		10.0
	MO	M7600008Y	1000	1.00		10.0
	TI	M7600007K	1000	1.00		10.0
	SR	M7600007G	1000	1.00		10.0
	CA	M7600008R	10000	2.50		250
	MG	M7600008L	10000	5.00		500
	NA	M7600008Y	10000	1.50	2.00	150 2.00
	CR	M7600008H	1000	0.800	3/19/19	10.0
	FE	M7600008J	10000	0.300		50
	AL	M7600008C	10000	4.60		500
	MN	M7600008G	1000	0.700		10.00
	PB	M7600008I	1000	0.800		10.0
	K	M7600008S	10000	1.50		150

Analyst/Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M7600008F 2%	M7600008H 5%	4/13/19	M35
LH 3/13/19	B	M7600008F 10%	M7600008H 5%	4/13/19	M35
LH 3/19/19	C	M7600008F 2%	M7600008H 5%	4/19/19	M35
LH 4/3/19	D	M7600008F 10%	M7600008H 5%	4/3/19	M35
CK 4/18/19	E	M7600008S 2%	M7600008G 5%	5/18/19	M35
LH 5/7/19	F	M7600008S 10%	M7600008G 5%	5/29/19	M35
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				

ICP HLCCV3

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Elements	CA	M7600055R	10000	2.00	100	200
	CU	M7600057K	1000	0.40		4.00
	FE	M760007J	10000	0.40		40.0
	K	M7600055S	10000	1.00		100
	TL	M7600009D	1000	0.30		3.00
	NG	M7600059Y	10000	1.50		150

Analyst / Date	Letter ID	Nitric Acid Lot #/ Concentration	Hydrochloric Acid Lot #/ Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M7600058F2/	M7600059H5/	4/13/19	M35
LH 3/13/19	B	M7600059F10/	M7600059H5/	4/13/19	M35
LH 4/5/19	C	M7600059S10/	M7600059H5/	5/4/19	M35
LH 4/12/19	D	M7600059S21/	M7600059G5/	5/12/19	M35
LH 5/1/19	E	M7600059S10/	M7600059G5/	6/1/19	M35
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				

OPTIMA 3/5/6 ICESA STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol (mls)	Final Conc. (ppm)
Int. A Sol'n	M7600005K	Multi	50	1000	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250

Analyst/ Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
NM 6/18/18	A	M7600006E 10%	M7600005F 5%	12/18/18	Volumetric
NM 3/9/18	B	M7600006E 10%	M7600005F 5%	2/9/18	Volumetric
NM 10/2/18	C	M7600006K 10%	M7600005P 5%	3/31/19	Volumetric
LH 12/10/18	D	M7600008F 2%	M7600006W 5%	5/31/19	Volumetric
LH 12/17/18	E	M7600008F 10%	M7600006W 5%	5/31/19	Volumetric
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP ICSAB STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M76000091	Multi	25	500	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250
Int. B Sol'n	M76000090	Multi	5		Multi
AG		20			0.200
BA		50			0.500
BE		50			0.500
CD		100			1.00
CO		50			0.500
CR		50			0.500
CU		50			0.500
MN		50			0.500
NI		100			1.00
PB		5			0.0500
V		50			0.500
ZN		100			1.00
AS		10			0.100
SB		60			0.600
SE		5			0.0500
TL		10			0.100

Analyst/Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/20/19	A	M7600008F21	M76000089H51	9/20/19	
LH 4/9/19	B	M7400009S101	M7600009H51	8/10/19	
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP INTERNAL STANDARD (ADDED ON-LINE)

Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/Date	Letter ID	Nitric Acid Lot #	Hydro-chloric Acid Lot #	Expiration Date	Pipet ID
Y	M7600009Q	10000	2.0	2000	10.0	5% HCl 2% HNO3	LH 4/21/19	A	M7600009S	M7600009A	10/24/19	M35
CS	M7600009R	10000	2.0		10.0		LH 5/2/19	B	M7600009S	M7600009A	11/2/19	M35
							TH	C				
								D				
								E				
								F				
								G				
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				
								T				
								V				

Sample Dilutions

Analyst: UH

Date: 5/7/19

Instrument: LCPU

Analysis: 0010

Common Dilutions																
Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor
1/2	HNO3/HCL	3	3	1/2												
1/3	HNO3/HCL	3	6	1/3												
1/4	HNO3/HCL	2	6	1/4												
1/5	HNO3/HCL	2	8	1/5												
1/10	HNO3/HCL	1	9	1/10												
1/20	HNO3/HCL	3	3	1/2	1	9	1/20									
1/30	HNO3/HCL	3	6	1/3	1	9	1/30									
1/40	HNO3/HCL	1	3	1/4	1	9	1/40									
1/50	HNO3/HCL	1	4	1/5	1	9	1/50									
1/100	HNO3/HCL	1	9	1/100	1	9	1/100									
1/200	HNO3/HCL	3	3	1/2	1	9	1/200	1	9	1/200						
1/300	HNO3/HCL	3	6	1/3	1	9	1/300	1	9	1/300						
1/400	HNO3/HCL	1	3	1/4	1	9	1/400	1	9	1/400						
1/500	HNO3/HCL	1	4	1/5	1	9	1/500	1	9	1/500						
1/1000	HNO3/HCL	1	9	1/1000	1	9	1/1000	1	9	1/1000						
1/2000	HNO3/HCL	3	3	1/2	1	9	1/2000	1	9	1/2000	1	9	1/2000			
1/3000	HNO3/HCL	3	6	1/3	1	9	1/3000	1	9	1/3000	1	9	1/3000			
1/4000	HNO3/HCL	1	3	1/4	1	9	1/4000	1	9	1/4000	1	9	1/4000			
1/10000	HNO3/HCL	1	9	1/10000	1	9	1/10000	1	9	1/10000	1	9	1/10000			
1/20000	HNO3/HCL	1	1	1/2	1	9	1/20000	1	9	1/20000	1	9	1/20000	1	9	1/20000
1/40000	HNO3/HCL	1	3	1/4	1	9	1/40000	1	9	1/40000	1	9	1/40000	1	9	1/40000
1/100000	HNO3/HCL	1	9	1/100000	1	9	1/100000	1	9	1/100000	1	9	1/100000	1	9	1/100000

Special Dilutions																
Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634743 Method/Testcode: 6010C/As T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904163-06	Arsenic, Total	MB		Solid	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/7/19 17:06:33	N	II
RQ1904163-06	Selenium, Total	MB		Solid	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/7/19 17:06:33	N	II
RQ1904163-07	Arsenic, Total	LCS		Solid	0.04 ppm	0.5 g	3.73 mg/Kg	1	0.7	1.0	93		5/7/19 17:09:53	N	II
RQ1904163-07	Selenium, Total	LCS		Solid	0.98 ppm	0.5 g	97.8 mg/Kg	1	0.6	1.0	97		5/7/19 17:09:53	N	II
R1903954-001	Lead, Total	N/A		Soil	1.94 ppm	0.5300 g	4390 mg/Kg	20	10	110			5/7/19 17:13:11	N	IV
RQ1904163-04	Lead, Total	MS	R1903954-001	Soil	3.65 ppm	0.5 g	8760 mg/Kg	20	10	120	7287*		5/7/19 17:16:31	N	IV
RQ1904163-05	Lead, Total	DMS	R1903954-001	Soil	7.40 ppm	0.5500 g	16100 mg/Kg	20	9	110	21527*	59*	5/7/19 17:19:50	N	IV
R1903954-001	Arsenic, Total	N/A		Soil	0.09 ppm	0.5300 g	9.8 mg/Kg	1	0.8	1.1			5/7/19 17:29:48	N	IV
R1903954-001	Selenium, Total	N/A		Soil	0.00 ppm	0.5300 g	1.1 mg/Kg U	1	0.7	1.1			5/7/19 17:29:48	N	IV
RQ1904163-04	Arsenic, Total	MS	R1903954-001	Soil	0.26 ppm	0.5 g	31.7 mg/Kg	1	0.9	1.2	456*		5/7/19 17:33:09	N	IV
RQ1904163-04	Selenium, Total	MS	R1903954-001	Soil	0.96 ppm	0.5 g	115 mg/Kg	1	0.7	1.2	95		5/7/19 17:33:09	N	IV
RQ1904163-05	Arsenic, Total	DMS	R1903954-001	Soil	0.20 ppm	0.5500 g	22.2 mg/Kg	1	0.8	1.1	285*	35*	5/7/19 17:36:30	N	IV
RQ1904163-05	Selenium, Total	DMS	R1903954-001	Soil	0.99 ppm	0.5500 g	107 mg/Kg	1	0.6	1.1	98	7	5/7/19 17:36:30	N	IV
R1903954-003	Arsenic, Total	N/A		Soil	0.04 ppm	0.5300 g	4.0 mg/Kg	1	0.8	1.1			5/7/19 17:53:11	N	IV
R1903954-003	Selenium, Total	N/A		Soil	0.00 ppm	0.5300 g	1.1 mg/Kg U	1	0.6	1.1			5/7/19 17:53:11	N	IV
R1903954-006	Arsenic, Total	N/A		Soil	0.03 ppm	0.5 g	4.5 mg/Kg	1	1.0	1.3			5/7/19 17:56:32	N	IV
R1903954-006	Selenium, Total	N/A		Soil	0.00 ppm	0.5 g	1.3 mg/Kg U	1	0.8	1.3			5/7/19 17:56:32	N	IV
R1903954-008	Arsenic, Total	N/A		Soil	0.09 ppm	0.5400 g	9.2 mg/Kg	1	0.8	1.0			5/7/19 17:59:52	N	IV
R1903954-008	Selenium, Total	N/A		Soil	0.00 ppm	0.5400 g	1.0 mg/Kg U	1	0.6	1.0			5/7/19 17:59:52	N	IV
R1903954-010	Arsenic, Total	N/A		Soil	0.05 ppm	0.5500 g	5.5 mg/Kg	1	0.8	1.0			5/7/19 18:03:13	N	IV
R1903954-010	Selenium, Total	N/A		Soil	0.00 ppm	0.5500 g	1.0 mg/Kg U	1	0.6	1.0			5/7/19 18:03:13	N	IV

KATHY
10/10/19

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/AI T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904182-01	Aluminum, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 18:39:52	N	II
RQ1904182-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 18:39:52	N	II
RQ1904182-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 18:39:52	N	II
RQ1904182-01	Barium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	3	20			5/7/19 18:39:52	N	II
RQ1904182-01	Beryllium, Total	MB		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 18:39:52	N	II
RQ1904182-01	Boron, Total	MB		Water	0.00 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 18:39:52	N	II
RQ1904182-01	Cadmium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 18:39:52	N	II
RQ1904182-01	Calcium, Total	MB		Water	0.04 ppm	50 mL	1000 µg/L U	1	300	1000			5/7/19 18:39:52	N	II
RQ1904182-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:39:52	N	II
RQ1904182-01	Cobalt, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 18:39:52	N	II
RQ1904182-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 18:39:52	N	II
RQ1904182-01	Iron, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 18:39:52	N	II
RQ1904182-01	Lead, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 18:39:52	N	II
RQ1904182-01	Magnesium, Total	MB		Water	-0.01 ppm	50 mL	1000 µg/L U	1	30	1000			5/7/19 18:39:52	N	II
RQ1904182-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 18:39:52	N	II
RQ1904182-01	Molybdenum, Total	MB		Water	0.00 ppm	50 mL	25 µg/L U	1	3	25			5/7/19 18:39:52	N	II
RQ1904182-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 18:39:52	N	II
RQ1904182-01	Potassium, Total	MB		Water	0.30 ppm	50 mL	300 µg/L J	1	200	2000			5/7/19 18:39:52	N	II
RQ1904182-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 18:39:52	N	II
RQ1904182-01	Silver, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:39:52	N	II
RQ1904182-01	Sodium, Total	MB		Water	0.03 ppm	50 mL	1000 µg/L U	1	200	1000			5/7/19 18:39:52	N	II
RQ1904182-01	Strontium, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	0.9	100			5/7/19 18:39:52	N	II
RQ1904182-01	Thallium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 18:39:52	N	II
RQ1904182-01	Tin, Total	MB		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/7/19 18:39:52	N	II
RQ1904182-01	Titanium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	2	50			5/7/19 18:39:52	N	II
RQ1904182-01	Vanadium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 18:39:52	N	II
RQ1904182-01	Zinc, Total	MB		Water	0.01 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 18:39:52	N	II
RQ1904182-02	Aluminum, Total	LCS		Water	1.90 ppm	50 mL	1900 µg/L	1	30	100	95		5/7/19 18:43:12	N	II
RQ1904182-02	Antimony, Total	LCS		Water	0.48 ppm	50 mL	483 µg/L	1	5	60	97		5/7/19 18:43:12	N	II
RQ1904182-02	Arsenic, Total	LCS		Water	0.04 ppm	50 mL	40.4 µg/L	1	4	10	101		5/7/19 18:43:12	N	II
RQ1904182-02	Barium, Total	LCS		Water	2.13 ppm	50 mL	2130 µg/L	1	3	20	106		5/7/19 18:43:12	N	II
RQ1904182-02	Beryllium, Total	LCS		Water	0.05 ppm	50 mL	50.8 µg/L	1	0.2	3.0	102		5/7/19 18:43:12	N	II
RQ1904182-02	Boron, Total	LCS		Water	1.02 ppm	50 mL	1020 µg/L	1	20	200	102		5/7/19 18:43:12	N	II
RQ1904182-02	Cadmium, Total	LCS		Water	0.05 ppm	50 mL	52.1 µg/L	1	0.4	5.0	104		5/7/19 18:43:12	N	II
RQ1904182-02	Calcium, Total	LCS		Water	1.95 ppm	50 mL	1950 µg/L	1	300	1000	98		5/7/19 18:43:12	N	II
RQ1904182-02	Chromium, Total	LCS		Water	0.21 ppm	50 mL	207 µg/L	1	0.6	10	104		5/7/19 18:43:12	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/Co T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904182-02	Cobalt, Total	LCS		Water	0.53 ppm	50 mL	528 µg/L	1	0.9	50	106		5/7/19 18:43:12	N	II
RQ1904182-02	Copper, Total	LCS		Water	0.25 ppm	50 mL	250 µg/L	1	4	20	100		5/7/19 18:43:12	N	II
RQ1904182-02	Iron, Total	LCS		Water	1.00 ppm	50 mL	999 µg/L	1	20	100	100		5/7/19 18:43:12	N	II
RQ1904182-02	Lead, Total	LCS		Water	0.53 ppm	50 mL	530 µg/L	1	3	50	106		5/7/19 18:43:12	N	II
RQ1904182-02	Magnesium, Total	LCS		Water	2.04 ppm	50 mL	2040 µg/L	1	30	1000	102		5/7/19 18:43:12	N	II
RQ1904182-02	Manganese, Total	LCS		Water	0.51 ppm	50 mL	509 µg/L	1	4	10	102		5/7/19 18:43:12	N	II
RQ1904182-02	Molybdenum, Total	LCS		Water	0.50 ppm	50 mL	502 µg/L	1	3	25	100		5/7/19 18:43:12	N	II
RQ1904182-02	Nickel, Total	LCS		Water	0.51 ppm	50 mL	513 µg/L	1	3	40	103		5/7/19 18:43:12	N	II
RQ1904182-02	Potassium, Total	LCS		Water	19.62 ppm	50 mL	19600 µg/L	1	200	2000	98		5/7/19 18:43:12	N	II
RQ1904182-02	Selenium, Total	LCS		Water	1.04 ppm	50 mL	1040 µg/L	1	5	10	103		5/7/19 18:43:12	N	II
RQ1904182-02	Silver, Total	LCS		Water	0.05 ppm	50 mL	50.3 µg/L	1	0.6	10	101		5/7/19 18:43:12	N	II
RQ1904182-02	Sodium, Total	LCS		Water	19.87 ppm	50 mL	19900 µg/L	1	200	1000	99		5/7/19 18:43:12	N	II
RQ1904182-02	Strontium, Total	LCS		Water	2.07 ppm	50 mL	2070 µg/L	1	0.9	100	104		5/7/19 18:43:12	N	II
RQ1904182-02	Thallium, Total	LCS		Water	1.96 ppm	50 mL	1960 µg/L	1	7	10	98		5/7/19 18:43:12	N	II
RQ1904182-02	Tin, Total	LCS		Water	5.08 ppm	50 mL	5080 µg/L	1	8	500	102		5/7/19 18:43:12	N	II
RQ1904182-02	Titanium, Total	LCS		Water	0.51 ppm	50 mL	513 µg/L	1	2	50	103		5/7/19 18:43:12	N	II
RQ1904182-02	Vanadium, Total	LCS		Water	0.50 ppm	50 mL	503 µg/L	1	0.7	50	101		5/7/19 18:43:12	N	II
RQ1904182-02	Zinc, Total	LCS		Water	0.52 ppm	50 mL	525 µg/L	1	10	20	105		5/7/19 18:43:12	N	II
R1902784-013	Aluminum, Total	N/A		Water	0.00 ppm	50 mL	100 µg/L	U 1	30	100			5/7/19 18:46:32	N	II
R1902784-013	Antimony, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	J 1	5	60			5/7/19 18:46:32	N	II
R1902784-013	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	5 µg/L	J 1	4	10			5/7/19 18:46:32	N	II
R1902784-013	Barium, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	3	20			5/7/19 18:46:32	N	II
R1902784-013	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.5 µg/L	J 1	0.2	3.0			5/7/19 18:46:32	N	II
R1902784-013	Boron, Total	N/A		Water	0.01 ppm	50 mL	200 µg/L	U 1	20	200			5/7/19 18:46:32	N	II
R1902784-013	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.5 µg/L	J 1	0.4	5.0			5/7/19 18:46:32	N	II
R1902784-013	Calcium, Total	N/A		Water	0.13 ppm	50 mL	1000 µg/L	U 1	300	1000			5/7/19 18:46:32	N	II
R1902784-013	Chromium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L	J 1	0.6	10			5/7/19 18:46:32	N	II
R1902784-013	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L	J 1	0.9	50			5/7/19 18:46:32	N	II
R1902784-013	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	4	20			5/7/19 18:46:32	N	II
R1902784-013	Iron, Total	N/A		Water	0.02 ppm	50 mL	20 µg/L	J 1	20	100			5/7/19 18:46:32	N	II
R1902784-013	Lead, Total	N/A		Water	0.00 ppm	50 mL	5 µg/L	J 1	3	50			5/7/19 18:46:32	N	II
R1902784-013	Magnesium, Total	N/A		Water	0.01 ppm	50 mL	1000 µg/L	U 1	30	1000			5/7/19 18:46:32	N	II
R1902784-013	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 18:46:32	N	II
R1902784-013	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L	J 1	3	25			5/7/19 18:46:32	N	II
R1902784-013	Nickel, Total	N/A		Water	0.01 ppm	50 mL	5 µg/L	J 1	3	40			5/7/19 18:46:32	N	II
R1902784-013	Potassium, Total	N/A		Water	0.10 ppm	50 mL	2000 µg/L	U 1	200	2000			5/7/19 18:46:32	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1902784-013	Selenium, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	1	5	10			5/7/19 18:46:32	N	II
1902784-013	Silver, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L	J 1	0.6	10			5/7/19 18:46:32	N	II
1902784-013	Sodium, Total	N/A		Water	0.09 ppm	50 mL	1000 µg/L	U 1	200	1000			5/7/19 18:46:32	N	II
1902784-013	Thallium, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	1	7	10			5/7/19 18:46:32	N	II
1902784-013	Tin, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L	J 1	8	500			5/7/19 18:46:32	N	II
1902784-013	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.8 µg/L	J 1	0.7	50			5/7/19 18:46:32	N	II
1902784-013	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	10	20			5/7/19 18:46:32	N	II
1904182-03	Aluminum, Total	MDLV		Water	0.00 ppm	50 mL	100 µg/L	U 1	30	100			5/7/19 18:46:32	N	II
1904182-03	Antimony, Total	MDLV		Water	0.01 ppm	50 mL	11.3 µg/L	J 1	5	60			5/7/19 18:46:32	N	II
1904182-03	Arsenic, Total	MDLV		Water	0.00 ppm	50 mL	4.80 µg/L	J 1	4	10			5/7/19 18:46:32	N	II
1904182-03	Barium, Total	MDLV		Water	0.00 ppm	50 mL	20 µg/L	U 1	3	20			5/7/19 18:46:32	N	II
1904182-03	Beryllium, Total	MDLV		Water	0.00 ppm	50 mL	0.500 µg/L	J 1	0.2	3.0			5/7/19 18:46:32	N	II
1904182-03	Boron, Total	MDLV		Water	0.01 ppm	50 mL	200 µg/L	U 1	20	200			5/7/19 18:46:32	N	II
1904182-03	Cadmium, Total	MDLV		Water	0.00 ppm	50 mL	0.500 µg/L	J 1	0.4	5.0			5/7/19 18:46:32	N	II
1904182-03	Calcium, Total	MDLV		Water	0.13 ppm	50 mL	1000 µg/L	U 1	300	1000			5/7/19 18:46:32	N	II
1904182-03	Chromium, Total	MDLV		Water	0.00 ppm	50 mL	1.00 µg/L	J 1	0.6	10			5/7/19 18:46:32	N	II
1904182-03	Cobalt, Total	MDLV		Water	0.00 ppm	50 mL	1.00 µg/L	J 1	0.9	50			5/7/19 18:46:32	N	II
1904182-03	Copper, Total	MDLV		Water	0.00 ppm	50 mL	20 µg/L	U 1	4	20			5/7/19 18:46:32	N	II
1904182-03	Iron, Total	MDLV		Water	0.02 ppm	50 mL	20.2 µg/L	J 1	20	100			5/7/19 18:46:32	N	II
1904182-03	Lead, Total	MDLV		Water	0.00 ppm	50 mL	4.90 µg/L	J 1	3	50			5/7/19 18:46:32	N	II
1904182-03	Magnesium, Total	MDLV		Water	0.01 ppm	50 mL	1000 µg/L	U 1	30	1000			5/7/19 18:46:32	N	II
1904182-03	Manganese, Total	MDLV		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 18:46:32	N	II
1904182-03	Molybdenum, Total	MDLV		Water	0.01 ppm	50 mL	5.60 µg/L	J 1	3	25			5/7/19 18:46:32	N	II
1904182-03	Nickel, Total	MDLV		Water	0.01 ppm	50 mL	5.00 µg/L	J 1	3	40			5/7/19 18:46:32	N	II
1904182-03	Potassium, Total	MDLV		Water	0.10 ppm	50 mL	2000 µg/L	U 1	200	2000			5/7/19 18:46:32	N	II
1904182-03	Selenium, Total	MDLV		Water	0.01 ppm	50 mL	10.9 µg/L	1	5	10			5/7/19 18:46:32	N	II
1904182-03	Silver, Total	MDLV		Water	0.00 ppm	50 mL	2.00 µg/L	J 1	0.6	10			5/7/19 18:46:32	N	II
1904182-03	Sodium, Total	MDLV		Water	0.09 ppm	50 mL	1000 µg/L	U 1	200	1000			5/7/19 18:46:32	N	II
1904182-03	Thallium, Total	MDLV		Water	0.01 ppm	50 mL	10.6 µg/L	1	7	10			5/7/19 18:46:32	N	II
1904182-03	Tin, Total	MDLV		Water	0.04 ppm	50 mL	41.1 µg/L	J 1	8	500			5/7/19 18:46:32	N	II
1904182-03	Vanadium, Total	MDLV		Water	0.00 ppm	50 mL	0.800 µg/L	J 1	0.7	50			5/7/19 18:46:32	N	II
1904182-03	Zinc, Total	MDLV		Water	0.00 ppm	50 mL	20 µg/L	U 1	10	20			5/7/19 18:46:32	N	II
1903917-001	Aluminum, Total	N/A		Water	0.08 ppm	50 mL	80 µg/L	J 1	30	100			5/7/19 18:49:52	N	II
1903917-001	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L	U 1	5	60			5/7/19 18:49:52	N	II
1903917-001	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 18:49:52	N	II
1903917-001	Barium, Total	N/A		Water	0.03 ppm	50 mL	35 µg/L	1	3	20			5/7/19 18:49:52	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/Be T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 18:49:52	N	II
1903917-001	Boron, Total	N/A		Water	0.01 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 18:49:52	N	II
1903917-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	1.3 µg/L J	1	0.4	5.0			5/7/19 18:49:52	N	II
1903917-001	Calcium, Total	N/A		Water	48.08 ppm	50 mL	48100 µg/L	1	300	1000			5/7/19 18:49:52	N	II
1903917-001	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:49:52	N	II
1903917-001	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.9	50			5/7/19 18:49:52	N	II
1903917-001	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 18:49:52	N	II
1903917-001	Iron, Total	N/A		Water	0.11 ppm	50 mL	110 µg/L	1	20	100			5/7/19 18:49:52	N	II
1903917-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 18:49:52	N	II
1903917-001	Magnesium, Total	N/A		Water	11.83 ppm	50 mL	11800 µg/L	1	30	1000			5/7/19 18:49:52	N	II
1903917-001	Manganese, Total	N/A		Water	7.44 ppm	50 mL	7440 µg/L	1	4	10			5/7/19 18:49:52	N	II
1903917-001	Nickel, Total	N/A		Water	0.01 ppm	50 mL	14 µg/L J	1	3	40			5/7/19 18:49:52	N	II
1903917-001	Potassium, Total	N/A		Water	1.77 ppm	50 mL	1800 µg/L BJ	1	200	2000			5/7/19 18:49:52	N	II
1903917-001	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 18:49:52	N	II
1903917-001	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:49:52	N	II
1903917-001	Sodium, Total	N/A		Water	5.83 ppm	50 mL	5800 µg/L	1	200	1000			5/7/19 18:49:52	N	II
1903917-001	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 18:49:52	N	II
1903917-001	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 18:49:52	N	II
1903917-001	Zinc, Total	N/A		Water	0.02 ppm	50 mL	16 µg/L J	1	10	20			5/7/19 18:49:52	N	II
1903917-002	Aluminum, Total	N/A		Water	1.28 ppm	50 mL	1280 µg/L	1	30	100			5/7/19 18:53:12	N	II
1903917-002	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 18:53:12	N	II
1903917-002	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 18:53:12	N	II
1903917-002	Barium, Total	N/A		Water	0.09 ppm	50 mL	94 µg/L	1	3	20			5/7/19 18:53:12	N	II
1903917-002	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 18:53:12	N	II
1903917-002	Boron, Total	N/A		Water	0.20 ppm	50 mL	200 µg/L J	1	20	200			5/7/19 18:53:12	N	II
1903917-002	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 18:53:12	N	II
1903917-002	Calcium, Total	N/A		Water	167.20 ppm	50 mL	167000 µg/L	1	300	1000			5/7/19 18:53:12	N	II
1903917-002	Chromium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.6	10			5/7/19 18:53:12	N	II
1903917-002	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.9	50			5/7/19 18:53:12	N	II
1903917-002	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 18:53:12	N	II
1903917-002	Iron, Total	N/A		Water	2.73 ppm	50 mL	2730 µg/L	1	20	100			5/7/19 18:53:12	N	II
1903917-002	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 18:53:12	N	II
1903917-002	Magnesium, Total	N/A		Water	31.30 ppm	50 mL	31300 µg/L	1	30	1000			5/7/19 18:53:12	N	II
1903917-002	Manganese, Total	N/A		Water	0.10 ppm	50 mL	102 µg/L	1	4	10			5/7/19 18:53:12	N	II
1903917-002	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 18:53:12	N	II
1903917-002	Potassium, Total	N/A		Water	17.52 ppm	50 mL	17500 µg/L	1	200	2000			5/7/19 18:53:12	N	II

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634749

Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-002	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 18:53:12	N	II
1903917-002	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:53:12	N	II
1903917-002	Sodium, Total	N/A		Water	16.97 ppm	50 mL	17000 µg/L	1	200	1000			5/7/19 18:53:12	N	II
1903917-002	Thallium, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 18:53:12	N	II
1903917-002	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.7	50			5/7/19 18:53:12	N	II
1903917-002	Zinc, Total	N/A		Water	0.03 ppm	50 mL	29 µg/L	1	10	20			5/7/19 18:53:12	N	II
1903917-003	Aluminum, Total	N/A		Water	0.28 ppm	50 mL	280 µg/L	1	30	100			5/7/19 18:56:32	N	II
1903917-003	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 18:56:32	N	II
1903917-003	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 18:56:32	N	II
1903917-003	Barium, Total	N/A		Water	0.09 ppm	50 mL	87 µg/L	1	3	20			5/7/19 18:56:32	N	II
1903917-003	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 18:56:32	N	II
1903917-003	Boron, Total	N/A		Water	0.08 ppm	50 mL	80 µg/L J	1	20	200			5/7/19 18:56:32	N	II
1903917-003	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 18:56:32	N	II
1903917-003	Calcium, Total	N/A		Water	239.70 ppm	50 mL	240000 µg/L	1	300	1000			5/7/19 18:56:32	N	II
1903917-003	Chromium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.6	10			5/7/19 18:56:32	N	II
1903917-003	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 18:56:32	N	II
1903917-003	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 18:56:32	N	II
1903917-003	Iron, Total	N/A		Water	1.45 ppm	50 mL	1450 µg/L	1	20	100			5/7/19 18:56:32	N	II
1903917-003	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 18:56:32	N	II
1903917-003	Magnesium, Total	N/A		Water	63.58 ppm	50 mL	63600 µg/L	1	30	1000			5/7/19 18:56:32	N	II
1903917-003	Manganese, Total	N/A		Water	0.11 ppm	50 mL	106 µg/L	1	4	10			5/7/19 18:56:32	N	II
1903917-003	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 18:56:32	N	II
1903917-003	Potassium, Total	N/A		Water	3.55 ppm	50 mL	3500 µg/L	1	200	2000			5/7/19 18:56:32	N	II
1903917-003	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 18:56:32	N	II
1903917-003	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 18:56:32	N	II
1903917-003	Sodium, Total	N/A		Water	15.62 ppm	50 mL	15600 µg/L	1	200	1000			5/7/19 18:56:32	N	II
1903917-003	Thallium, Total	N/A		Water	0.01 ppm	50 mL	7 µg/L J	1	7	10			5/7/19 18:56:32	N	II
1903917-003	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 18:56:32	N	II
1903917-003	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 18:56:32	N	II
1903917-004	Aluminum, Total	N/A		Water	0.42 ppm	50 mL	420 µg/L	1	30	100			5/7/19 18:59:51	Y	II
1903917-004	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 18:59:51	Y	II
1903917-004	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	7 µg/L J	1	4	10			5/7/19 18:59:51	Y	II
1903917-004	Barium, Total	N/A		Water	0.09 ppm	50 mL	93 µg/L	1	3	20			5/7/19 18:59:51	Y	II
1903917-004	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 18:59:51	Y	II
1903917-004	Boron, Total	N/A		Water	0.14 ppm	50 mL	140 µg/L J	1	20	200			5/7/19 18:59:51	Y	II
1903917-004	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 18:59:51	Y	II

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749

Method/Testcode: 6010C/Ca T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903917-004	Calcium, Total	N/A		Water	162.91 ppm	50 mL	163000 µg/L	1	300	1000			5/7/19 18:59:51	Y	II
R1903917-004	Chromium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L	J 1	0.6	10			5/7/19 18:59:51	Y	II
R1903917-004	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L	J 1	0.9	50			5/7/19 18:59:51	Y	II
R1903917-004	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	4	20			5/7/19 18:59:51	Y	II
R1903917-004	Iron, Total	N/A		Water	12.03 ppm	50 mL	12000 µg/L	1	20	100			5/7/19 18:59:51	Y	II
R1903917-004	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	2.1	5.0			5/7/19 18:59:51	Y	II
R1903917-004	Magnesium, Total	N/A		Water	38.56 ppm	50 mL	38600 µg/L	1	30	1000			5/7/19 18:59:51	Y	II
R1903917-004	Manganese, Total	N/A		Water	1.36 ppm	50 mL	1360 µg/L	1	4	10			5/7/19 18:59:51	Y	II
R1903917-004	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L	U 1	3	40			5/7/19 18:59:51	Y	II
R1903917-004	Potassium, Total	N/A		Water	10.05 ppm	50 mL	10000 µg/L	1	200	2000			5/7/19 18:59:51	Y	II
R1903917-004	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L	U 1	5	10			5/7/19 18:59:51	Y	II
R1903917-004	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 18:59:51	Y	II
R1903917-004	Sodium, Total	N/A		Water	19.92 ppm	50 mL	19900 µg/L	1	200	1000			5/7/19 18:59:51	Y	II
R1903917-004	Thallium, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	U 1	7	10			5/7/19 18:59:51	Y	II
R1903917-004	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L	U 1	0.7	50			5/7/19 18:59:51	Y	II
R1903917-004	Zinc, Total	N/A		Water	0.05 ppm	50 mL	54 µg/L	1	10	20			5/7/19 18:59:51	Y	II
RQ1904182-04	Aluminum, Total	MS	R1903917-004	Water	2.48 ppm	50 mL	2480 µg/L	1	30	100	103		5/7/19 19:03:11	N	II
RQ1904182-04	Antimony, Total	MS	R1903917-004	Water	0.49 ppm	50 mL	492 µg/L	1	5	60	98		5/7/19 19:03:11	N	II
RQ1904182-04	Arsenic, Total	MS	R1903917-004	Water	0.05 ppm	50 mL	51 µg/L	1	4	10	109		5/7/19 19:03:11	N	II
RQ1904182-04	Barium, Total	MS	R1903917-004	Water	2.17 ppm	50 mL	2170 µg/L	1	3	20	104		5/7/19 19:03:11	N	II
RQ1904182-04	Beryllium, Total	MS	R1903917-004	Water	0.05 ppm	50 mL	50.6 µg/L	1	0.2	3.0	101		5/7/19 19:03:11	N	II
RQ1904182-04	Boron, Total	MS	R1903917-004	Water	1.20 ppm	50 mL	1200 µg/L	1	20	200	106		5/7/19 19:03:11	N	II
RQ1904182-04	Cadmium, Total	MS	R1903917-004	Water	0.05 ppm	50 mL	50.6 µg/L	1	0.4	5.0	101		5/7/19 19:03:11	N	II
RQ1904182-04	Calcium, Total	MS	R1903917-004	Water	164.50 ppm	50 mL	165000 µg/L	1	300	1000	79		5/7/19 19:03:11	N	II
RQ1904182-04	Chromium, Total	MS	R1903917-004	Water	0.21 ppm	50 mL	207 µg/L	1	0.6	10	102		5/7/19 19:03:11	N	II
RQ1904182-04	Cobalt, Total	MS	R1903917-004	Water	0.51 ppm	50 mL	511 µg/L	1	0.9	50	102		5/7/19 19:03:11	N	II
RQ1904182-04	Copper, Total	MS	R1903917-004	Water	0.25 ppm	50 mL	253 µg/L	1	4	20	101		5/7/19 19:03:11	N	II
RQ1904182-04	Iron, Total	MS	R1903917-004	Water	12.93 ppm	50 mL	12900 µg/L	1	20	100	90		5/7/19 19:03:11	N	II
RQ1904182-04	Lead, Total	MS	R1903917-004	Water	0.51 ppm	50 mL	511 µg/L	1	3	50	102		5/7/19 19:03:11	N	II
RQ1904182-04	Magnesium, Total	MS	R1903917-004	Water	40.25 ppm	50 mL	40200 µg/L	1	30	1000	84		5/7/19 19:03:11	N	II
RQ1904182-04	Manganese, Total	MS	R1903917-004	Water	1.85 ppm	50 mL	1850 µg/L	1	4	10	98		5/7/19 19:03:11	N	II
RQ1904182-04	Nickel, Total	MS	R1903917-004	Water	0.49 ppm	50 mL	492 µg/L	1	3	40	98		5/7/19 19:03:11	N	II
RQ1904182-04	Potassium, Total	MS	R1903917-004	Water	30.89 ppm	50 mL	30900 µg/L	1	200	2000	104		5/7/19 19:03:11	N	II
RQ1904182-04	Selenium, Total	MS	R1903917-004	Water	1.06 ppm	50 mL	1060 µg/L	1	5	10	105		5/7/19 19:03:11	N	II
RQ1904182-04	Silver, Total	MS	R1903917-004	Water	0.05 ppm	50 mL	51 µg/L	1	0.6	10	102		5/7/19 19:03:11	N	II
RQ1904182-04	Sodium, Total	MS	R1903917-004	Water	39.83 ppm	50 mL	39800 µg/L	1	200	1000	100		5/7/19 19:03:11	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749

Method/Testcode: 6010C/TI T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904182-04	Thallium, Total	MS	R1903917-004	Water	2.03 ppm	50 mL	2030 µg/L	1	7	10	102		5/7/19 19:03:11	N	II
RQ1904182-04	Vanadium, Total	MS	R1903917-004	Water	0.51 ppm	50 mL	506 µg/L	1	0.7	50	101		5/7/19 19:03:11	N	II
RQ1904182-04	Zinc, Total	MS	R1903917-004	Water	0.52 ppm	50 mL	525 µg/L	1	10	20	94		5/7/19 19:03:11	N	II
RQ1904182-05	Aluminum, Total	DMS	R1903917-004	Water	2.49 ppm	50 mL	2490 µg/L	1	30	100	103	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Antimony, Total	DMS	R1903917-004	Water	0.49 ppm	50 mL	492 µg/L	1	5	60	98	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Arsenic, Total	DMS	R1903917-004	Water	0.05 ppm	50 mL	48 µg/L	1	4	10	103	5	5/7/19 19:06:31	N	II
RQ1904182-05	Barium, Total	DMS	R1903917-004	Water	2.16 ppm	50 mL	2160 µg/L	1	3	20	104	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Beryllium, Total	DMS	R1903917-004	Water	0.05 ppm	50 mL	50.9 µg/L	1	0.2	3.0	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Boron, Total	DMS	R1903917-004	Water	1.21 ppm	50 mL	1210 µg/L	1	20	200	107	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Cadmium, Total	DMS	R1903917-004	Water	0.05 ppm	50 mL	50.9 µg/L	1	0.4	5.0	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Calcium, Total	DMS	R1903917-004	Water	167.53 ppm	50 mL	168000 µg/L	1	300	1000	231*	2	5/7/19 19:06:31	N	II
RQ1904182-05	Chromium, Total	DMS	R1903917-004	Water	0.21 ppm	50 mL	208 µg/L	1	0.6	10	103	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Cobalt, Total	DMS	R1903917-004	Water	0.51 ppm	50 mL	514 µg/L	1	0.9	50	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Copper, Total	DMS	R1903917-004	Water	0.25 ppm	50 mL	255 µg/L	1	4	20	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Iron, Total	DMS	R1903917-004	Water	13.14 ppm	50 mL	13100 µg/L	1	20	100	111	2	5/7/19 19:06:31	N	II
RQ1904182-05	Lead, Total	DMS	R1903917-004	Water	0.51 ppm	50 mL	514 µg/L	1	3	50	103	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Magnesium, Total	DMS	R1903917-004	Water	40.92 ppm	50 mL	40900 µg/L	1	30	1000	118	2	5/7/19 19:06:31	N	II
RQ1904182-05	Manganese, Total	DMS	R1903917-004	Water	1.87 ppm	50 mL	1870 µg/L	1	4	10	103	1	5/7/19 19:06:31	N	II
RQ1904182-05	Nickel, Total	DMS	R1903917-004	Water	0.50 ppm	50 mL	496 µg/L	1	3	40	99	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Potassium, Total	DMS	R1903917-004	Water	31.04 ppm	50 mL	31000 µg/L	1	200	2000	105	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Selenium, Total	DMS	R1903917-004	Water	1.07 ppm	50 mL	1070 µg/L	1	5	10	105	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Silver, Total	DMS	R1903917-004	Water	0.05 ppm	50 mL	52 µg/L	1	0.6	10	103	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Sodium, Total	DMS	R1903917-004	Water	40.22 ppm	50 mL	40200 µg/L	1	200	1000	101	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Thallium, Total	DMS	R1903917-004	Water	2.05 ppm	50 mL	2050 µg/L	1	7	10	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Vanadium, Total	DMS	R1903917-004	Water	0.51 ppm	50 mL	509 µg/L	1	0.7	50	102	<1	5/7/19 19:06:31	N	II
RQ1904182-05	Zinc, Total	DMS	R1903917-004	Water	0.55 ppm	50 mL	549 µg/L	1	10	20	99	5	5/7/19 19:06:31	N	II
R1903917-005	Aluminum, Total	N/A		Water	0.36 ppm	50 mL	360 µg/L	1	30	100			5/7/19 19:23:09	N	II
R1903917-005	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:23:09	N	II
R1903917-005	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:23:09	N	II
R1903917-005	Barium, Total	N/A		Water	0.06 ppm	50 mL	60 µg/L	1	3	20			5/7/19 19:23:09	N	II
R1903917-005	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:23:09	N	II
R1903917-005	Boron, Total	N/A		Water	0.01 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 19:23:09	N	II
R1903917-005	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:23:09	N	II
R1903917-005	Calcium, Total	N/A		Water	81.32 ppm	50 mL	81300 µg/L	1	300	1000			5/7/19 19:23:09	N	II
R1903917-005	Chromium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.6	10			5/7/19 19:23:09	N	II
R1903917-005	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L J	1	0.9	50			5/7/19 19:23:09	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634749

Method/Testcode: 6010C/Cu T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-005	Copper, Total	N/A		Water	0.01 ppm	50 mL	7 µg/L J	1	4	20			5/7/19 19:23:09	N	II
1903917-005	Iron, Total	N/A		Water	10.39 ppm	50 mL	10400 µg/L	1	20	100			5/7/19 19:23:09	N	II
1903917-005	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:23:09	N	II
1903917-005	Magnesium, Total	N/A		Water	16.93 ppm	50 mL	16900 µg/L	1	30	1000			5/7/19 19:23:09	N	II
1903917-005	Manganese, Total	N/A		Water	0.07 ppm	50 mL	71 µg/L	1	4	10			5/7/19 19:23:09	N	II
1903917-005	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 19:23:09	N	II
1903917-005	Potassium, Total	N/A		Water	2.25 ppm	50 mL	2200 µg/L B	1	200	2000			5/7/19 19:23:09	N	II
1903917-005	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:23:09	N	II
1903917-005	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:23:09	N	II
1903917-005	Sodium, Total	N/A		Water	0.97 ppm	50 mL	1000 µg/L J	1	200	1000			5/7/19 19:23:09	N	II
1903917-005	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:23:09	N	II
1903917-005	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L J	1	0.7	50			5/7/19 19:23:09	N	II
1903917-005	Zinc, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L J	1	10	20			5/7/19 19:23:09	N	II
1903917-006	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 19:26:29	N	II
1903917-006	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:26:29	N	II
1903917-006	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:26:29	N	II
1903917-006	Barium, Total	N/A		Water	0.01 ppm	50 mL	12 µg/L J	1	3	20			5/7/19 19:26:29	N	II
1903917-006	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:26:29	N	II
1903917-006	Boron, Total	N/A		Water	0.06 ppm	50 mL	60 µg/L J	1	20	200			5/7/19 19:26:29	N	II
1903917-006	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:26:29	N	II
1903917-006	Calcium, Total	N/A		Water	27.07 ppm	50 mL	27100 µg/L	1	300	1000			5/7/19 19:26:29	N	II
1903917-006	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:26:29	N	II
1903917-006	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 19:26:29	N	II
1903917-006	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:26:29	N	II
1903917-006	Iron, Total	N/A		Water	0.29 ppm	50 mL	290 µg/L	1	20	100			5/7/19 19:26:29	N	II
1903917-006	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:26:29	N	II
1903917-006	Magnesium, Total	N/A		Water	6.69 ppm	50 mL	6700 µg/L	1	30	1000			5/7/19 19:26:29	N	II
1903917-006	Manganese, Total	N/A		Water	0.43 ppm	50 mL	431 µg/L	1	4	10			5/7/19 19:26:29	N	II
1903917-006	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 19:26:29	N	II
1903917-006	Potassium, Total	N/A		Water	2.72 ppm	50 mL	2700 µg/L B	1	200	2000			5/7/19 19:26:29	N	II
1903917-006	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:26:29	N	II
1903917-006	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:26:29	N	II
1903917-006	Sodium, Total	N/A		Water	11.57 ppm	50 mL	11600 µg/L	1	200	1000			5/7/19 19:26:29	N	II
1903917-006	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:26:29	N	II
1903917-006	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 19:26:29	N	II
1903917-006	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 19:26:29	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-007	Aluminum, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L J	1	30	100			5/7/19 19:29:48	N	II
1903917-007	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:29:48	N	II
1903917-007	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:29:48	N	II
1903917-007	Barium, Total	N/A		Water	0.04 ppm	50 mL	37 µg/L	1	3	20			5/7/19 19:29:48	N	II
1903917-007	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:29:48	N	II
1903917-007	Boron, Total	N/A		Water	0.02 ppm	50 mL	20 µg/L J	1	20	200			5/7/19 19:29:48	N	II
1903917-007	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.5 µg/L J	1	0.4	5.0			5/7/19 19:29:48	N	II
1903917-007	Calcium, Total	N/A		Water	19.88 ppm	50 mL	19900 µg/L	1	300	1000			5/7/19 19:29:48	N	II
1903917-007	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:29:48	N	II
1903917-007	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.9	50			5/7/19 19:29:48	N	II
1903917-007	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:29:48	N	II
1903917-007	Iron, Total	N/A		Water	0.08 ppm	50 mL	80 µg/L J	1	20	100			5/7/19 19:29:48	N	II
1903917-007	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:29:48	N	II
1903917-007	Magnesium, Total	N/A		Water	5.70 ppm	50 mL	5700 µg/L	1	30	1000			5/7/19 19:29:48	N	II
1903917-007	Manganese, Total	N/A		Water	4.15 ppm	50 mL	4150 µg/L	1	4	10			5/7/19 19:29:48	N	II
1903917-007	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 19:29:48	N	II
1903917-007	Potassium, Total	N/A		Water	5.52 ppm	50 mL	5500 µg/L	1	200	2000			5/7/19 19:29:48	N	II
1903917-007	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:29:48	N	II
1903917-007	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:29:48	N	II
1903917-007	Sodium, Total	N/A		Water	1.71 ppm	50 mL	1700 µg/L	1	200	1000			5/7/19 19:29:48	N	II
1903917-007	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:29:48	N	II
1903917-007	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 19:29:48	N	II
1903917-007	Zinc, Total	N/A		Water	0.01 ppm	50 mL	12 µg/L J	1	10	20			5/7/19 19:29:48	N	II
1903917-008	Aluminum, Total	N/A		Water	0.34 ppm	50 mL	340 µg/L	1	30	100			5/7/19 19:33:07	N	II
1903917-008	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:33:07	N	II
1903917-008	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:33:07	N	II
1903917-008	Barium, Total	N/A		Water	0.01 ppm	50 mL	8 µg/L J	1	3	20			5/7/19 19:33:07	N	II
1903917-008	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:33:07	N	II
1903917-008	Boron, Total	N/A		Water	0.02 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 19:33:07	N	II
1903917-008	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	1.0 µg/L J	1	0.4	5.0			5/7/19 19:33:07	N	II
1903917-008	Calcium, Total	N/A		Water	9.34 ppm	50 mL	9300 µg/L	1	300	1000			5/7/19 19:33:07	N	II
1903917-008	Chromium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.6	10			5/7/19 19:33:07	N	II
1903917-008	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 19:33:07	N	II
1903917-008	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:33:07	N	II
1903917-008	Iron, Total	N/A		Water	0.39 ppm	50 mL	390 µg/L	1	20	100			5/7/19 19:33:07	N	II
1903917-008	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:33:07	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634749

Method/Testcode: 6010C/Mg T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-008	Magnesium, Total	N/A		Water	2.13 ppm	50 mL	2100 µg/L	1	30	1000			5/7/19 19:33:07	N	II
1903917-008	Manganese, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L	J 1	4	10			5/7/19 19:33:07	N	II
1903917-008	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L	U 1	3	40			5/7/19 19:33:07	N	II
1903917-008	Potassium, Total	N/A		Water	1.35 ppm	50 mL	1300 µg/L	BJ 1	200	2000			5/7/19 19:33:07	N	II
1903917-008	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	5	10			5/7/19 19:33:07	N	II
1903917-008	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 19:33:07	N	II
1903917-008	Sodium, Total	N/A		Water	3.15 ppm	50 mL	3100 µg/L	1	200	1000			5/7/19 19:33:07	N	II
1903917-008	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	7	10			5/7/19 19:33:07	N	II
1903917-008	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L	U 1	0.7	50			5/7/19 19:33:07	N	II
1903917-008	Zinc, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	J 1	10	20			5/7/19 19:33:07	N	II
1903917-009	Aluminum, Total	N/A		Water	0.47 ppm	50 mL	470 µg/L	1	30	100			5/7/19 19:36:27	N	II
1903917-009	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L	U 1	5	60			5/7/19 19:36:27	N	II
1903917-009	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	J 1	4	10			5/7/19 19:36:27	N	II
1903917-009	Barium, Total	N/A		Water	0.35 ppm	50 mL	351 µg/L	1	3	20			5/7/19 19:36:27	N	II
1903917-009	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L	U 1	0.2	3.0			5/7/19 19:36:27	N	II
1903917-009	Boron, Total	N/A		Water	0.46 ppm	50 mL	460 µg/L	1	20	200			5/7/19 19:36:27	N	II
1903917-009	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.7 µg/L	J 1	0.4	5.0			5/7/19 19:36:27	N	II
1903917-009	Calcium, Total	N/A		Water	132.54 ppm	50 mL	133000 µg/L	1	300	1000			5/7/19 19:36:27	N	II
1903917-009	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 19:36:27	N	II
1903917-009	Cobalt, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L	J 1	0.9	50			5/7/19 19:36:27	N	II
1903917-009	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	4	20			5/7/19 19:36:27	N	II
1903917-009	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	2.1	5.0			5/7/19 19:36:27	N	II
1903917-009	Magnesium, Total	N/A		Water	42.22 ppm	50 mL	42200 µg/L	1	30	1000			5/7/19 19:36:27	N	II
1903917-009	Manganese, Total	N/A		Water	4.99 ppm	50 mL	4990 µg/L	1	4	10			5/7/19 19:36:27	N	II
1903917-009	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L	U 1	3	40			5/7/19 19:36:27	N	II
1903917-009	Potassium, Total	N/A		Water	21.93 ppm	50 mL	21900 µg/L	1	200	2000			5/7/19 19:36:27	N	II
1903917-009	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L	U 1	5	10			5/7/19 19:36:27	N	II
1903917-009	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 19:36:27	N	II
1903917-009	Sodium, Total	N/A		Water	48.12 ppm	50 mL	48100 µg/L	1	200	1000			5/7/19 19:36:27	N	II
1903917-009	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	7	10			5/7/19 19:36:27	N	II
1903917-009	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L	J 1	0.7	50			5/7/19 19:36:27	N	II
1903917-009	Zinc, Total	N/A		Water	0.01 ppm	50 mL	20 µg/L	U 1	10	20			5/7/19 19:36:27	N	II
1903917-010	Aluminum, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L	J 1	30	100			5/7/19 19:39:46	N	II
1903917-010	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L	U 1	5	60			5/7/19 19:39:46	N	II
1903917-010	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 19:39:46	N	II
1903917-010	Barium, Total	N/A		Water	0.56 ppm	50 mL	557 µg/L	1	3	20			5/7/19 19:39:46	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/Be T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-010	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:39:46	N	II
1903917-010	Boron, Total	N/A		Water	0.60 ppm	50 mL	600 µg/L	1	20	200			5/7/19 19:39:46	N	II
1903917-010	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:39:46	N	II
1903917-010	Calcium, Total	N/A		Water	97.82 ppm	50 mL	97800 µg/L	1	300	1000			5/7/19 19:39:46	N	II
1903917-010	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:39:46	N	II
1903917-010	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.9	50			5/7/19 19:39:46	N	II
1903917-010	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:39:46	N	II
1903917-010	Iron, Total	N/A		Water	6.55 ppm	50 mL	6550 µg/L	1	20	100			5/7/19 19:39:46	N	II
1903917-010	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:39:46	N	II
1903917-010	Magnesium, Total	N/A		Water	30.80 ppm	50 mL	30800 µg/L	1	30	1000			5/7/19 19:39:46	N	II
1903917-010	Manganese, Total	N/A		Water	0.91 ppm	50 mL	911 µg/L	1	4	10			5/7/19 19:39:46	N	II
1903917-010	Nickel, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L J	1	3	40			5/7/19 19:39:46	N	II
1903917-010	Potassium, Total	N/A		Water	36.21 ppm	50 mL	36200 µg/L	1	200	2000			5/7/19 19:39:46	N	II
1903917-010	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:39:46	N	II
1903917-010	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:39:46	N	II
1903917-010	Sodium, Total	N/A		Water	61.84 ppm	50 mL	61800 µg/L	1	200	1000			5/7/19 19:39:46	N	II
1903917-010	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:39:46	N	II
1903917-010	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 19:39:46	N	II
1903917-010	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 19:39:46	N	II
1903917-011	Aluminum, Total	N/A		Water	0.02 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 19:43:05	N	II
1903917-011	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:43:05	N	II
1903917-011	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:43:05	N	II
1903917-011	Barium, Total	N/A		Water	0.03 ppm	50 mL	28 µg/L	1	3	20			5/7/19 19:43:05	N	II
1903917-011	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:43:05	N	II
1903917-011	Boron, Total	N/A		Water	0.02 ppm	50 mL	20 µg/L J	1	20	200			5/7/19 19:43:05	N	II
1903917-011	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:43:05	N	II
1903917-011	Calcium, Total	N/A		Water	20.02 ppm	50 mL	20000 µg/L	1	300	1000			5/7/19 19:43:05	N	II
1903917-011	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:43:05	N	II
1903917-011	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 19:43:05	N	II
1903917-011	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:43:05	N	II
1903917-011	Iron, Total	N/A		Water	0.05 ppm	50 mL	50 µg/L J	1	20	100			5/7/19 19:43:05	N	II
1903917-011	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:43:05	N	II
1903917-011	Magnesium, Total	N/A		Water	5.74 ppm	50 mL	5700 µg/L	1	30	1000			5/7/19 19:43:05	N	II
1903917-011	Manganese, Total	N/A		Water	3.21 ppm	50 mL	3210 µg/L	1	4	10			5/7/19 19:43:05	N	II
1903917-011	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 19:43:05	N	II
1903917-011	Potassium, Total	N/A		Water	5.37 ppm	50 mL	5400 µg/L	1	200	2000			5/7/19 19:43:05	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634749

Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903917-011	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:43:05	N	II
R1903917-011	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:43:05	N	II
R1903917-011	Sodium, Total	N/A		Water	1.69 ppm	50 mL	1700 µg/L	1	200	1000			5/7/19 19:43:05	N	II
R1903917-011	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:43:05	N	II
R1903917-011	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 19:43:05	N	II
R1903917-011	Zinc, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L J	1	10	20			5/7/19 19:43:05	N	II
R1903917-013	Aluminum, Total	N/A		Water	0.03 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 19:49:44	N	II
R1903917-013	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:49:44	N	II
R1903917-013	Arsenic, Total	N/A		Water	0.02 ppm	50 mL	19 µg/L	1	4	10			5/7/19 19:49:44	N	II
R1903917-013	Barium, Total	N/A		Water	1.02 ppm	50 mL	1020 µg/L	1	3	20			5/7/19 19:49:44	N	II
R1903917-013	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:49:44	N	II
R1903917-013	Boron, Total	N/A		Water	3.75 ppm	50 mL	3750 µg/L	1	20	200			5/7/19 19:49:44	N	II
R1903917-013	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:49:44	N	II
R1903917-013	Calcium, Total	N/A		Water	148.34 ppm	50 mL	148000 µg/L	1	300	1000			5/7/19 19:49:44	N	II
R1903917-013	Chromium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.6	10			5/7/19 19:49:44	N	II
R1903917-013	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L J	1	0.9	50			5/7/19 19:49:44	N	II
R1903917-013	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:49:44	N	II
R1903917-013	Iron, Total	N/A		Water	15.77 ppm	50 mL	15800 µg/L	1	20	100			5/7/19 19:49:44	N	II
R1903917-013	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:49:44	N	II
R1903917-013	Magnesium, Total	N/A		Water	81.65 ppm	50 mL	81700 µg/L	1	30	1000			5/7/19 19:49:44	N	II
R1903917-013	Manganese, Total	N/A		Water	0.21 ppm	50 mL	212 µg/L	1	4	10			5/7/19 19:49:44	N	II
R1903917-013	Nickel, Total	N/A		Water	0.27 ppm	50 mL	267 µg/L	1	3	40			5/7/19 19:49:44	N	II
R1903917-013	Potassium, Total	N/A		Water	88.07 ppm	50 mL	88100 µg/L	1	200	2000			5/7/19 19:49:44	N	II
R1903917-013	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:49:44	N	II
R1903917-013	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:49:44	N	II
R1903917-013	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:49:44	N	II
R1903917-013	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.7	50			5/7/19 19:49:44	N	II
R1903917-013	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 19:49:44	N	II
R1903917-014	Aluminum, Total	N/A		Water	1.63 ppm	50 mL	1630 µg/L	1	30	100			5/7/19 19:59:43	N	II
R1903917-014	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 19:59:43	N	II
R1903917-014	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 19:59:43	N	II
R1903917-014	Barium, Total	N/A		Water	0.02 ppm	50 mL	17 µg/L J	1	3	20			5/7/19 19:59:43	N	II
R1903917-014	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 19:59:43	N	II
R1903917-014	Boron, Total	N/A		Water	0.02 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 19:59:43	N	II
R1903917-014	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 19:59:43	N	II
R1903917-014	Calcium, Total	N/A		Water	15.14 ppm	50 mL	15100 µg/L	1	300	1000			5/7/19 19:59:43	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634749

Method/Testcode: 6010C/Cr T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903917-014	Chromium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.6	10			5/7/19 19:59:43	N	II
R1903917-014	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 19:59:43	N	II
R1903917-014	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 19:59:43	N	II
R1903917-014	Iron, Total	N/A		Water	1.67 ppm	50 mL	1670 µg/L	1	20	100			5/7/19 19:59:43	N	II
R1903917-014	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 19:59:43	N	II
R1903917-014	Magnesium, Total	N/A		Water	3.78 ppm	50 mL	3800 µg/L	1	30	1000			5/7/19 19:59:43	N	II
R1903917-014	Manganese, Total	N/A		Water	0.05 ppm	50 mL	47 µg/L	1	4	10			5/7/19 19:59:43	N	II
R1903917-014	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 19:59:43	N	II
R1903917-014	Potassium, Total	N/A		Water	2.42 ppm	50 mL	2400 µg/L B	1	200	2000			5/7/19 19:59:43	N	II
R1903917-014	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 19:59:43	N	II
R1903917-014	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 19:59:43	N	II
R1903917-014	Sodium, Total	N/A		Water	4.18 ppm	50 mL	4200 µg/L	1	200	1000			5/7/19 19:59:43	N	II
R1903917-014	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 19:59:43	N	II
R1903917-014	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.7	50			5/7/19 19:59:43	N	II
R1903917-014	Zinc, Total	N/A		Water	0.01 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 19:59:43	N	II
R1903917-015	Aluminum, Total	N/A		Water	0.85 ppm	50 mL	850 µg/L	1	30	100			5/7/19 20:03:03	N	II
R1903917-015	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:03:03	N	II
R1903917-015	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:03:03	N	II
R1903917-015	Barium, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L J	1	3	20			5/7/19 20:03:03	N	II
R1903917-015	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 20:03:03	N	II
R1903917-015	Boron, Total	N/A		Water	0.01 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 20:03:03	N	II
R1903917-015	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:03:03	N	II
R1903917-015	Calcium, Total	N/A		Water	5.76 ppm	50 mL	5800 µg/L	1	300	1000			5/7/19 20:03:03	N	II
R1903917-015	Chromium, Total	N/A		Water	0.00 ppm	50 mL	1 µg/L J	1	0.6	10			5/7/19 20:03:03	N	II
R1903917-015	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 20:03:03	N	II
R1903917-015	Copper, Total	N/A		Water	0.01 ppm	50 mL	5 µg/L J	1	4	20			5/7/19 20:03:03	N	II
R1903917-015	Iron, Total	N/A		Water	0.38 ppm	50 mL	380 µg/L	1	20	100			5/7/19 20:03:03	N	II
R1903917-015	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:03:03	N	II
R1903917-015	Magnesium, Total	N/A		Water	1.87 ppm	50 mL	1900 µg/L	1	30	1000			5/7/19 20:03:03	N	II
R1903917-015	Manganese, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	1	4	10			5/7/19 20:03:03	N	II
R1903917-015	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:03:03	N	II
R1903917-015	Potassium, Total	N/A		Water	1.18 ppm	50 mL	1200 µg/L BJ	1	200	2000			5/7/19 20:03:03	N	II
R1903917-015	Selenium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:03:03	N	II
R1903917-015	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:03:03	N	II
R1903917-015	Sodium, Total	N/A		Water	1.89 ppm	50 mL	1900 µg/L	1	200	1000			5/7/19 20:03:03	N	II
R1903917-015	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 20:03:03	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749 Method/Testcode: 6010C/V T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903917-015	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 20:03:03	N	II
R1903917-015	Zinc, Total	N/A		Water	0.03 ppm	50 mL	25 µg/L	1	10	20			5/7/19 20:03:03	N	II
R1903917-016	Aluminum, Total	N/A		Water	0.05 ppm	50 mL	50 µg/L J	1	30	100			5/7/19 20:06:23	N	II
R1903917-016	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:06:23	N	II
R1903917-016	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	9 µg/L J	1	4	10			5/7/19 20:06:23	N	II
R1903917-016	Barium, Total	N/A		Water	0.19 ppm	50 mL	187 µg/L	1	3	20			5/7/19 20:06:23	N	II
R1903917-016	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 20:06:23	N	II
R1903917-016	Boron, Total	N/A		Water	1.95 ppm	50 mL	1950 µg/L	1	20	200			5/7/19 20:06:23	N	II
R1903917-016	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:06:23	N	II
R1903917-016	Calcium, Total	N/A		Water	151.98 ppm	50 mL	152000 µg/L	1	300	1000			5/7/19 20:06:23	N	II
R1903917-016	Chromium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.6	10			5/7/19 20:06:23	N	II
R1903917-016	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	3 µg/L J	1	0.9	50			5/7/19 20:06:23	N	II
R1903917-016	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 20:06:23	N	II
R1903917-016	Iron, Total	N/A		Water	14.05 ppm	50 mL	14100 µg/L	1	20	100			5/7/19 20:06:23	N	II
R1903917-016	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:06:23	N	II
R1903917-016	Magnesium, Total	N/A		Water	66.69 ppm	50 mL	66700 µg/L	1	30	1000			5/7/19 20:06:23	N	II
R1903917-016	Manganese, Total	N/A		Water	0.49 ppm	50 mL	495 µg/L	1	4	10			5/7/19 20:06:23	N	II
R1903917-016	Nickel, Total	N/A		Water	0.02 ppm	50 mL	21 µg/L J	1	3	40			5/7/19 20:06:23	N	II
R1903917-016	Potassium, Total	N/A		Water	102.37 ppm	50 mL	102000 µg/L	1	200	2000			5/7/19 20:06:23	N	II
R1903917-016	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:06:23	N	II
R1903917-016	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:06:23	N	II
R1903917-016	Sodium, Total	N/A		Water	197.76 ppm	50 mL	198000 µg/L	1	200	1000			5/7/19 20:06:23	N	II
R1903917-016	Thallium, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 20:06:23	N	II
R1903917-016	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.7	50			5/7/19 20:06:23	N	II
R1903917-016	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 20:06:23	N	II
R1903917-017	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 20:09:43	N	II
R1903917-017	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:09:43	N	II
R1903917-017	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:09:43	N	II
R1903917-017	Barium, Total	N/A		Water	0.19 ppm	50 mL	193 µg/L	1	3	20			5/7/19 20:09:43	N	II
R1903917-017	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 20:09:43	N	II
R1903917-017	Boron, Total	N/A		Water	0.27 ppm	50 mL	270 µg/L	1	20	200			5/7/19 20:09:43	N	II
R1903917-017	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:09:43	N	II
R1903917-017	Calcium, Total	N/A		Water	82.06 ppm	50 mL	82100 µg/L	1	300	1000			5/7/19 20:09:43	N	II
R1903917-017	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:09:43	N	II
R1903917-017	Cobalt, Total	N/A		Water	0.01 ppm	50 mL	7 µg/L J	1	0.9	50			5/7/19 20:09:43	N	II
R1903917-017	Copper, Total	N/A		Water	0.01 ppm	50 mL	12 µg/L J	1	4	20			5/7/19 20:09:43	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634749

Method/Testcode: 6010C/Fe T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903917-017	Iron, Total	N/A		Water	13.76 ppm	50 mL	13800 µg/L	1	20	100			5/7/19 20:09:43	N	II
1903917-017	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:09:43	N	II
1903917-017	Magnesium, Total	N/A		Water	23.92 ppm	50 mL	23900 µg/L	1	30	1000			5/7/19 20:09:43	N	II
1903917-017	Manganese, Total	N/A		Water	0.67 ppm	50 mL	668 µg/L	1	4	10			5/7/19 20:09:43	N	II
1903917-017	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:09:43	N	II
1903917-017	Potassium, Total	N/A		Water	14.12 ppm	50 mL	14100 µg/L	1	200	2000			5/7/19 20:09:43	N	II
1903917-017	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:09:43	N	II
1903917-017	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:09:43	N	II
1903917-017	Sodium, Total	N/A		Water	33.31 ppm	50 mL	33300 µg/L	1	200	1000			5/7/19 20:09:43	N	II
1903917-017	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 20:09:43	N	II
1903917-017	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 20:09:43	N	II
1903917-017	Zinc, Total	N/A		Water	0.01 ppm	50 mL	14 µg/L J	1	10	20			5/7/19 20:09:43	N	II
1903917-018	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 20:13:03	N	II
1903917-018	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:13:03	N	II
1903917-018	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:13:03	N	II
1903917-018	Barium, Total	N/A		Water	0.05 ppm	50 mL	50 µg/L	1	3	20			5/7/19 20:13:03	N	II
1903917-018	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 20:13:03	N	II
1903917-018	Boron, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L J	1	20	200			5/7/19 20:13:03	N	II
1903917-018	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:13:03	N	II
1903917-018	Calcium, Total	N/A		Water	30.79 ppm	50 mL	30800 µg/L	1	300	1000			5/7/19 20:13:03	N	II
1903917-018	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:13:03	N	II
1903917-018	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 20:13:03	N	II
1903917-018	Copper, Total	N/A		Water	0.04 ppm	50 mL	35 µg/L	1	4	20			5/7/19 20:13:03	N	II
1903917-018	Iron, Total	N/A		Water	4.84 ppm	50 mL	4840 µg/L	1	20	100			5/7/19 20:13:03	N	II
1903917-018	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:13:03	N	II
1903917-018	Magnesium, Total	N/A		Water	6.73 ppm	50 mL	6700 µg/L	1	30	1000			5/7/19 20:13:03	N	II
1903917-018	Manganese, Total	N/A		Water	0.58 ppm	50 mL	576 µg/L	1	4	10			5/7/19 20:13:03	N	II
1903917-018	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:13:03	N	II
1903917-018	Potassium, Total	N/A		Water	2.70 ppm	50 mL	2700 µg/L B	1	200	2000			5/7/19 20:13:03	N	II
1903917-018	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:13:03	N	II
1903917-018	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:13:03	N	II
1903917-018	Sodium, Total	N/A		Water	6.28 ppm	50 mL	6300 µg/L	1	200	1000			5/7/19 20:13:03	N	II
1903917-018	Thallium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 20:13:03	N	II
1903917-018	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 20:13:03	N	II
1903917-018	Zinc, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L	1	10	20			5/7/19 20:13:03	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634745

Method/Testcode: 6010C/AI T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904183-01	Aluminum, Total	MB		Water	0.00 ppm	50 mL	400 µg/L U	1	30	400			5/7/19 20:39:37	N	III
RQ1904183-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:39:37	N	III
RQ1904183-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:39:37	N	III
RQ1904183-01	Barium, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:39:37	N	III
RQ1904183-01	Beryllium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.2	5.0			5/7/19 20:39:37	N	III
RQ1904183-01	Boron, Total	MB		Water	0.00 ppm	50 mL	400 µg/L U	1	20	400			5/7/19 20:39:37	N	III
RQ1904183-01	Cadmium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:39:37	N	III
RQ1904183-01	Calcium, Total	MB		Water	0.05 ppm	50 mL	1000 µg/L U	1	300	1000			5/7/19 20:39:37	N	III
RQ1904183-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:39:37	N	III
RQ1904183-01	Cobalt, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 20:39:37	N	III
RQ1904183-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 20:39:37	N	III
RQ1904183-01	Iron, Total	MB		Water	0.00 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 20:39:37	N	III
RQ1904183-01	Lead, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	3	10			5/7/19 20:39:37	N	III
RQ1904183-01	Magnesium, Total	MB		Water	0.00 ppm	50 mL	1000 µg/L U	1	30	1000			5/7/19 20:39:37	N	III
RQ1904183-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 20:39:37	N	III
RQ1904183-01	Molybdenum, Total	MB		Water	0.00 ppm	50 mL	25 µg/L U	1	3	25			5/7/19 20:39:37	N	III
RQ1904183-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:39:37	N	III
RQ1904183-01	Potassium, Total	MB		Water	-0.01 ppm	50 mL	2000 µg/L U	1	200	2000			5/7/19 20:39:37	N	III
RQ1904183-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:39:37	N	III
RQ1904183-01	Silver, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:39:37	N	III
RQ1904183-01	Sodium, Total	MB		Water	-0.01 ppm	50 mL	1000 µg/L U	1	200	1000			5/7/19 20:39:37	N	III
RQ1904183-01	Strontium, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	0.9	100			5/7/19 20:39:37	N	III
RQ1904183-01	Thallium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	7	20			5/7/19 20:39:37	N	III
RQ1904183-01	Tin, Total	MB		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/7/19 20:39:37	N	III
RQ1904183-01	Titanium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	2	50			5/7/19 20:39:37	N	III
RQ1904183-01	Vanadium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 20:39:37	N	III
RQ1904183-01	Zinc, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	10	40			5/7/19 20:39:37	N	III
R1903853-001	Aluminum, Total	N/A		Water	0.18 ppm	50 mL	180 µg/L J	1	30	400			5/7/19 20:49:36	N	III
R1903853-001	Antimony, Total	N/A		Water	0.03 ppm	50 mL	31 µg/L J	1	5	60			5/7/19 20:49:36	N	III
R1903853-001	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	7 µg/L J	1	4	10			5/7/19 20:49:36	N	III
R1903853-001	Barium, Total	N/A		Water	0.02 ppm	50 mL	21 µg/L J	1	3	40			5/7/19 20:49:36	N	III
R1903853-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	2.6 µg/L J	1	0.2	5.0			5/7/19 20:49:36	N	III
R1903853-001	Boron, Total	N/A		Water	0.19 ppm	50 mL	190 µg/L J	1	20	400			5/7/19 20:49:36	N	III
R1903853-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	2.6 µg/L J	1	0.4	5.0			5/7/19 20:49:36	N	III
R1903853-001	Calcium, Total	N/A		Water	0.49 ppm	50 mL	500 µg/L J	1	300	1000			5/7/19 20:49:36	N	III
R1903853-001	Chromium, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L J	1	0.6	10			5/7/19 20:49:36	N	III

J indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634745

Method/Testcode: 6010C/Co T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903853-001	Cobalt, Total	N/A		Water	0.03 ppm	50 mL	27 µg/L J	1	0.9	50			5/7/19 20:49:36	N	III
R1903853-001	Copper, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L J	1	4	20			5/7/19 20:49:36	N	III
R1903853-001	Iron, Total	N/A		Water	0.10 ppm	50 mL	100 µg/L J	1	20	200			5/7/19 20:49:36	N	III
R1903853-001	Lead, Total	N/A		Water	0.01 ppm	50 mL	6 µg/L J	1	3	10			5/7/19 20:49:36	N	III
R1903853-001	Magnesium, Total	N/A		Water	0.51 ppm	50 mL	500 µg/L J	1	30	1000			5/7/19 20:49:36	N	III
R1903853-001	Manganese, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L J	1	4	20			5/7/19 20:49:36	N	III
R1903853-001	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	13 µg/L J	1	3	25			5/7/19 20:49:36	N	III
R1903853-001	Nickel, Total	N/A		Water	0.02 ppm	50 mL	21 µg/L J	1	3	40			5/7/19 20:49:36	N	III
R1903853-001	Potassium, Total	N/A		Water	0.93 ppm	50 mL	900 µg/L J	1	200	2000			5/7/19 20:49:36	N	III
R1903853-001	Selenium, Total	N/A		Water	0.01 ppm	50 mL	8 µg/L J	1	5	10			5/7/19 20:49:36	N	III
R1903853-001	Silver, Total	N/A		Water	0.01 ppm	50 mL	5 µg/L J	1	0.6	10			5/7/19 20:49:36	N	III
R1903853-001	Sodium, Total	N/A		Water	0.51 ppm	50 mL	500 µg/L J	1	200	1000			5/7/19 20:49:36	N	III
R1903853-001	Strontium, Total	N/A		Water	0.05 ppm	50 mL	50 µg/L J	1	0.9	100			5/7/19 20:49:36	N	III
R1903853-001	Thallium, Total	N/A		Water	0.01 ppm	50 mL	8 µg/L J	1	7	20			5/7/19 20:49:36	N	III
R1903853-001	Tin, Total	N/A		Water	0.26 ppm	50 mL	260 µg/L J	1	8	500			5/7/19 20:49:36	N	III
R1903853-001	Titanium, Total	N/A		Water	0.03 ppm	50 mL	26 µg/L J	1	2	50			5/7/19 20:49:36	N	III
R1903853-001	Vanadium, Total	N/A		Water	0.03 ppm	50 mL	26 µg/L J	1	0.7	50			5/7/19 20:49:36	N	III
R1903853-001	Zinc, Total	N/A		Water	0.02 ppm	50 mL	20 µg/L J	1	10	40			5/7/19 20:49:36	N	III
RQ1904183-03	Aluminum, Total	LODV		Water	0.18 ppm	50 mL	177 µg/L J	1	30	400	88		5/7/19 20:49:36	N	III
RQ1904183-03	Antimony, Total	LODV		Water	0.03 ppm	50 mL	30.8 µg/L J	1	5	60	103		5/7/19 20:49:36	N	III
RQ1904183-03	Arsenic, Total	LODV		Water	0.01 ppm	50 mL	7.40 µg/L J	1	4	10	148		5/7/19 20:49:36	N	III
RQ1904183-03	Barium, Total	LODV		Water	0.02 ppm	50 mL	21.1 µg/L J	1	3	40	106		5/7/19 20:49:36	N	III
RQ1904183-03	Beryllium, Total	LODV		Water	0.00 ppm	50 mL	2.60 µg/L J	1	0.2	5.0	104		5/7/19 20:49:36	N	III
RQ1904183-03	Boron, Total	LODV		Water	0.19 ppm	50 mL	195 µg/L J	1	20	400	97		5/7/19 20:49:36	N	III
RQ1904183-03	Cadmium, Total	LODV		Water	0.00 ppm	50 mL	2.60 µg/L J	1	0.4	5.0	104		5/7/19 20:49:36	N	III
RQ1904183-03	Calcium, Total	LODV		Water	0.49 ppm	50 mL	494 µg/L J	1	300	1000	99		5/7/19 20:49:36	N	III
RQ1904183-03	Chromium, Total	LODV		Water	0.01 ppm	50 mL	5.70 µg/L J	1	0.6	10	114		5/7/19 20:49:36	N	III
RQ1904183-03	Cobalt, Total	LODV		Water	0.03 ppm	50 mL	26.9 µg/L J	1	0.9	50	108		5/7/19 20:49:36	N	III
RQ1904183-03	Copper, Total	LODV		Water	0.01 ppm	50 mL	10.0 µg/L J	1	4	20	100		5/7/19 20:49:36	N	III
RQ1904183-03	Iron, Total	LODV		Water	0.10 ppm	50 mL	102 µg/L J	1	20	200	102		5/7/19 20:49:36	N	III
RQ1904183-03	Lead, Total	LODV		Water	0.01 ppm	50 mL	6.00 µg/L J	1	3	10	120		5/7/19 20:49:36	N	III
RQ1904183-03	Magnesium, Total	LODV		Water	0.51 ppm	50 mL	510 µg/L J	1	30	1000	102		5/7/19 20:49:36	N	III
RQ1904183-03	Manganese, Total	LODV		Water	0.01 ppm	50 mL	11.0 µg/L J	1	4	20	110		5/7/19 20:49:36	N	III
RQ1904183-03	Molybdenum, Total	LODV		Water	0.01 ppm	50 mL	13.3 µg/L J	1	3	25	106		5/7/19 20:49:36	N	III
RQ1904183-03	Nickel, Total	LODV		Water	0.02 ppm	50 mL	21.4 µg/L J	1	3	40	107		5/7/19 20:49:36	N	III
RQ1904183-03	Potassium, Total	LODV		Water	0.93 ppm	50 mL	931 µg/L J	1	200	2000	93		5/7/19 20:49:36	N	III

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634745

Method/Testcode: 6010C/Se T DOD

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904183-03	Selenium, Total	LODV		Water	0.01 ppm	50 mL	7.90 µg/L	J 1	5	10	158*		5/7/19 20:49:36	N	III
RQ1904183-03	Silver, Total	LODV		Water	0.01 ppm	50 mL	5.10 µg/L	J 1	0.6	10	102		5/7/19 20:49:36	N	III
RQ1904183-03	Sodium, Total	LODV		Water	0.51 ppm	50 mL	508 µg/L	J 1	200	1000	102		5/7/19 20:49:36	N	III
RQ1904183-03	Strontium, Total	LODV		Water	0.05 ppm	50 mL	53.2 µg/L	J 1	0.9	100	106		5/7/19 20:49:36	N	III
RQ1904183-03	Thallium, Total	LODV		Water	0.01 ppm	50 mL	8.30 µg/L	J 1	7	20	83		5/7/19 20:49:36	N	III
RQ1904183-03	Tin, Total	LODV		Water	0.26 ppm	50 mL	259 µg/L	J 1	8	500	104		5/7/19 20:49:36	N	III
RQ1904183-03	Titanium, Total	LODV		Water	0.03 ppm	50 mL	25.6 µg/L	J 1	2	50	102		5/7/19 20:49:36	N	III
RQ1904183-03	Vanadium, Total	LODV		Water	0.03 ppm	50 mL	25.5 µg/L	J 1	0.7	50	102		5/7/19 20:49:36	N	III
RQ1904183-03	Zinc, Total	LODV		Water	0.02 ppm	50 mL	20.3 µg/L	J 1	10	40	102		5/7/19 20:49:36	N	III
RQ1904183-02	Aluminum, Total	LCS		Water	0.36 ppm	50 mL	360 µg/L	J 1	30	400	90		5/7/19 20:52:58	N	III
RQ1904183-02	Antimony, Total	LCS		Water	0.06 ppm	50 mL	62.0 µg/L	1	5	60	103		5/7/19 20:52:58	N	III
RQ1904183-02	Arsenic, Total	LCS		Water	0.01 ppm	50 mL	8.90 µg/L	J 1	4	10	89		5/7/19 20:52:58	N	III
RQ1904183-02	Barium, Total	LCS		Water	0.04 ppm	50 mL	42.6 µg/L	1	3	40	107		5/7/19 20:52:58	N	III
RQ1904183-02	Beryllium, Total	LCS		Water	0.01 ppm	50 mL	5.20 µg/L	1	0.2	5.0	104		5/7/19 20:52:58	N	III
RQ1904183-02	Boron, Total	LCS		Water	0.39 ppm	50 mL	391 µg/L	J 1	20	400	98		5/7/19 20:52:58	N	III
RQ1904183-02	Cadmium, Total	LCS		Water	0.01 ppm	50 mL	5.30 µg/L	1	0.4	5.0	106		5/7/19 20:52:58	N	III
RQ1904183-02	Calcium, Total	LCS		Water	0.97 ppm	50 mL	970 µg/L	J 1	300	1000	97		5/7/19 20:52:58	N	III
RQ1904183-02	Chromium, Total	LCS		Water	0.01 ppm	50 mL	11.7 µg/L	1	0.6	10	117		5/7/19 20:52:58	N	III
RQ1904183-02	Cobalt, Total	LCS		Water	0.05 ppm	50 mL	53.5 µg/L	1	0.9	50	107		5/7/19 20:52:58	N	III
RQ1904183-02	Copper, Total	LCS		Water	0.02 ppm	50 mL	20.2 µg/L	1	4	20	101		5/7/19 20:52:58	N	III
RQ1904183-02	Iron, Total	LCS		Water	0.21 ppm	50 mL	207 µg/L	1	20	200	104		5/7/19 20:52:58	N	III
RQ1904183-02	Lead, Total	LCS		Water	0.01 ppm	50 mL	10.4 µg/L	1	3	10	104		5/7/19 20:52:58	N	III
RQ1904183-02	Magnesium, Total	LCS		Water	1.02 ppm	50 mL	1020 µg/L	1	30	1000	102		5/7/19 20:52:58	N	III
RQ1904183-02	Manganese, Total	LCS		Water	0.02 ppm	50 mL	21.9 µg/L	1	4	20	110		5/7/19 20:52:58	N	III
RQ1904183-02	Molybdenum, Total	LCS		Water	0.02 ppm	50 mL	24.5 µg/L	J 1	3	25	98		5/7/19 20:52:58	N	III
RQ1904183-02	Nickel, Total	LCS		Water	0.04 ppm	50 mL	42.1 µg/L	1	3	40	105		5/7/19 20:52:58	N	III
RQ1904183-02	Potassium, Total	LCS		Water	1.83 ppm	50 mL	1830 µg/L	J 1	200	2000	92		5/7/19 20:52:58	N	III
RQ1904183-02	Selenium, Total	LCS		Water	0.01 ppm	50 mL	10.5 µg/L	1	5	10	105		5/7/19 20:52:58	N	III
RQ1904183-02	Silver, Total	LCS		Water	0.01 ppm	50 mL	10.3 µg/L	1	0.6	10	103		5/7/19 20:52:58	N	III
RQ1904183-02	Sodium, Total	LCS		Water	1.02 ppm	50 mL	1020 µg/L	1	200	1000	102		5/7/19 20:52:58	N	III
RQ1904183-02	Strontium, Total	LCS		Water	0.11 ppm	50 mL	105 µg/L	1	0.9	100	105		5/7/19 20:52:58	N	III
RQ1904183-02	Thallium, Total	LCS		Water	0.02 ppm	50 mL	19.2 µg/L	J 1	7	20	96		5/7/19 20:52:58	N	III
RQ1904183-02	Tin, Total	LCS		Water	0.51 ppm	50 mL	513 µg/L	1	8	500	103		5/7/19 20:52:58	N	III
RQ1904183-02	Titanium, Total	LCS		Water	0.05 ppm	50 mL	50.7 µg/L	1	2	50	101		5/7/19 20:52:58	N	III
RQ1904183-02	Vanadium, Total	LCS		Water	0.05 ppm	50 mL	51.1 µg/L	1	0.7	50	102		5/7/19 20:52:58	N	III
RQ1904183-02	Zinc, Total	LCS		Water	0.04 ppm	50 mL	40.1 µg/L	1	10	40	100		5/7/19 20:52:58	N	III

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746 Method/Testcode: 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904184-01	Aluminum, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 20:39:37	N	II
RQ1904184-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 20:39:37	N	II
RQ1904184-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:39:37	N	II
RQ1904184-01	Barium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	3	20			5/7/19 20:39:37	N	II
RQ1904184-01	Beryllium, Total	MB		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 20:39:37	N	II
RQ1904184-01	Boron, Total	MB		Water	0.00 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 20:39:37	N	II
RQ1904184-01	Cadmium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:39:37	N	II
RQ1904184-01	Calcium, Total	MB		Water	0.05 ppm	50 mL	1000 µg/L U	1	300	1000			5/7/19 20:39:37	N	II
RQ1904184-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:39:37	N	II
RQ1904184-01	Cobalt, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 20:39:37	N	II
RQ1904184-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 20:39:37	N	II
RQ1904184-01	Iron, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 20:39:37	N	II
RQ1904184-01	Lead, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 20:39:37	N	II
RQ1904184-01	Magnesium, Total	MB		Water	0.00 ppm	50 mL	1000 µg/L U	1	30	1000			5/7/19 20:39:37	N	II
RQ1904184-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 20:39:37	N	II
RQ1904184-01	Molybdenum, Total	MB		Water	0.00 ppm	50 mL	25 µg/L U	1	3	25			5/7/19 20:39:37	N	II
RQ1904184-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 20:39:37	N	II
RQ1904184-01	Potassium, Total	MB		Water	-0.01 ppm	50 mL	2000 µg/L U	1	200	2000			5/7/19 20:39:37	N	II
RQ1904184-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 20:39:37	N	II
RQ1904184-01	Silver, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 20:39:37	N	II
RQ1904184-01	Sodium, Total	MB		Water	-0.01 ppm	50 mL	1000 µg/L U	1	200	1000			5/7/19 20:39:37	N	II
RQ1904184-01	Strontium, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	0.9	100			5/7/19 20:39:37	N	II
RQ1904184-01	Thallium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 20:39:37	N	II
RQ1904184-01	Tin, Total	MB		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/7/19 20:39:37	N	II
RQ1904184-01	Vanadium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 20:39:37	N	II
RQ1904184-01	Zinc, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 20:39:37	N	II
RQ1904184-02	Aluminum, Total	LCS		Water	1.90 ppm	50 mL	1900 µg/L	1	30	100	95		5/7/19 20:42:56	N	II
RQ1904184-02	Antimony, Total	LCS		Water	0.48 ppm	50 mL	483 µg/L	1	5	60	97		5/7/19 20:42:56	N	II
RQ1904184-02	Arsenic, Total	LCS		Water	0.04 ppm	50 mL	37.4 µg/L	1	4	10	94		5/7/19 20:42:56	N	II
RQ1904184-02	Barium, Total	LCS		Water	2.13 ppm	50 mL	2130 µg/L	1	3	20	106		5/7/19 20:42:56	N	II
RQ1904184-02	Beryllium, Total	LCS		Water	0.05 ppm	50 mL	51.2 µg/L	1	0.2	3.0	102		5/7/19 20:42:56	N	II
RQ1904184-02	Boron, Total	LCS		Water	1.01 ppm	50 mL	1010 µg/L	1	20	200	101		5/7/19 20:42:56	N	II
RQ1904184-02	Cadmium, Total	LCS		Water	0.05 ppm	50 mL	53.0 µg/L	1	0.4	5.0	106		5/7/19 20:42:56	N	II
RQ1904184-02	Calcium, Total	LCS		Water	1.93 ppm	50 mL	1930 µg/L	1	300	1000	97		5/7/19 20:42:56	N	II
RQ1904184-02	Chromium, Total	LCS		Water	0.21 ppm	50 mL	208 µg/L	1	0.6	10	104		5/7/19 20:42:56	N	II
RQ1904184-02	Cobalt, Total	LCS		Water	0.53 ppm	50 mL	531 µg/L	1	0.9	50	106		5/7/19 20:42:56	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746 Method/Testcode: 6010C/Cu T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904184-02	Copper, Total	LCS		Water	0.25 ppm	50 mL	248 µg/L	1	4	20	99		5/7/19 20:42:56	N	II
RQ1904184-02	Iron, Total	LCS		Water	1.00 ppm	50 mL	1000 µg/L	1	20	100	100		5/7/19 20:42:56	N	II
RQ1904184-02	Lead, Total	LCS		Water	0.54 ppm	50 mL	537 µg/L	1	3	50	107		5/7/19 20:42:56	N	II
RQ1904184-02	Magnesium, Total	LCS		Water	2.05 ppm	50 mL	2050 µg/L	1	30	1000	102		5/7/19 20:42:56	N	II
RQ1904184-02	Manganese, Total	LCS		Water	0.51 ppm	50 mL	512 µg/L	1	4	10	102		5/7/19 20:42:56	N	II
RQ1904184-02	Molybdenum, Total	LCS		Water	0.51 ppm	50 mL	506 µg/L	1	3	25	101		5/7/19 20:42:56	N	II
RQ1904184-02	Nickel, Total	LCS		Water	0.52 ppm	50 mL	520 µg/L	1	3	40	104		5/7/19 20:42:56	N	II
RQ1904184-02	Potassium, Total	LCS		Water	19.16 ppm	50 mL	19200 µg/L	1	200	2000	96		5/7/19 20:42:56	N	II
RQ1904184-02	Selenium, Total	LCS		Water	1.06 ppm	50 mL	1060 µg/L	1	5	10	105		5/7/19 20:42:56	N	II
RQ1904184-02	Silver, Total	LCS		Water	0.05 ppm	50 mL	50.4 µg/L	1	0.6	10	101		5/7/19 20:42:56	N	II
RQ1904184-02	Sodium, Total	LCS		Water	19.54 ppm	50 mL	19500 µg/L	1	200	1000	98		5/7/19 20:42:56	N	II
RQ1904184-02	Strontium, Total	LCS		Water	2.11 ppm	50 mL	2110 µg/L	1	0.9	100	105		5/7/19 20:42:56	N	II
RQ1904184-02	Thallium, Total	LCS		Water	1.98 ppm	50 mL	1980 µg/L	1	7	10	99		5/7/19 20:42:56	N	II
RQ1904184-02	Tin, Total	LCS		Water	5.15 ppm	50 mL	5150 µg/L	1	8	500	103		5/7/19 20:42:56	N	II
RQ1904184-02	Vanadium, Total	LCS		Water	0.51 ppm	50 mL	505 µg/L	1	0.7	50	101		5/7/19 20:42:56	N	II
RQ1904184-02	Zinc, Total	LCS		Water	0.52 ppm	50 mL	516 µg/L	1	10	20	103		5/7/19 20:42:56	N	II
RQ1904184-03	Aluminum, Total	DLCS		Water	1.89 ppm	50 mL	1890 µg/L	1	30	100	94	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Antimony, Total	DLCS		Water	0.48 ppm	50 mL	481 µg/L	1	5	60	96	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Arsenic, Total	DLCS		Water	0.04 ppm	50 mL	38.5 µg/L	1	4	10	96	3	5/7/19 20:46:16	N	II
RQ1904184-03	Barium, Total	DLCS		Water	2.12 ppm	50 mL	2120 µg/L	1	3	20	106	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Beryllium, Total	DLCS		Water	0.05 ppm	50 mL	50.9 µg/L	1	0.2	3.0	102	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Boron, Total	DLCS		Water	1.01 ppm	50 mL	1010 µg/L	1	20	200	101	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Cadmium, Total	DLCS		Water	0.05 ppm	50 mL	52.8 µg/L	1	0.4	5.0	106	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Calcium, Total	DLCS		Water	1.94 ppm	50 mL	1940 µg/L	1	300	1000	97	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Chromium, Total	DLCS		Water	0.21 ppm	50 mL	207 µg/L	1	0.6	10	104	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Cobalt, Total	DLCS		Water	0.53 ppm	50 mL	529 µg/L	1	0.9	50	106	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Copper, Total	DLCS		Water	0.25 ppm	50 mL	246 µg/L	1	4	20	99	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Iron, Total	DLCS		Water	1.00 ppm	50 mL	1000 µg/L	1	20	100	100	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Lead, Total	DLCS		Water	0.53 ppm	50 mL	531 µg/L	1	3	50	106	1	5/7/19 20:46:16	N	II
RQ1904184-03	Magnesium, Total	DLCS		Water	2.04 ppm	50 mL	2040 µg/L	1	30	1000	102	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Manganese, Total	DLCS		Water	0.51 ppm	50 mL	510 µg/L	1	4	10	102	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Molybdenum, Total	DLCS		Water	0.51 ppm	50 mL	506 µg/L	1	3	25	101	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Nickel, Total	DLCS		Water	0.52 ppm	50 mL	519 µg/L	1	3	40	104	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Potassium, Total	DLCS		Water	19.09 ppm	50 mL	19100 µg/L	1	200	2000	95	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Selenium, Total	DLCS		Water	1.05 ppm	50 mL	1050 µg/L	1	5	10	104	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Silver, Total	DLCS		Water	0.05 ppm	50 mL	50.3 µg/L	1	0.6	10	101	<1	5/7/19 20:46:16	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746 Method/Testcode: 6010C/Na T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904184-03	Sodium, Total	DLCS		Water	19.54 ppm	50 mL	19500 µg/L	1	200	1000	98	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Strontium, Total	DLCS		Water	2.10 ppm	50 mL	2100 µg/L	1	0.9	100	105	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Thallium, Total	DLCS		Water	1.97 ppm	50 mL	1970 µg/L	1	7	10	98	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Tin, Total	DLCS		Water	5.12 ppm	50 mL	5120 µg/L	1	8	500	102	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Vanadium, Total	DLCS		Water	0.50 ppm	50 mL	504 µg/L	1	0.7	50	101	<1	5/7/19 20:46:16	N	II
RQ1904184-03	Zinc, Total	DLCS		Water	0.51 ppm	50 mL	514 µg/L	1	10	20	103	<1	5/7/19 20:46:16	N	II
R1903833-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:56:18	N	II
R1903833-001	Calcium, Total	N/A		Water	46.03 ppm	50 mL	46000 µg/L	1	300	1000			5/7/19 20:56:18	N	II
R1903833-001	Iron, Total	N/A		Water	0.02 ppm	50 mL	20 µg/L J	1	20	100			5/7/19 20:56:18	N	II
R1903833-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:56:18	N	II
R1903833-001	Magnesium, Total	N/A		Water	15.22 ppm	50 mL	15200 µg/L	1	30	1000			5/7/19 20:56:18	N	II
R1903833-001	Manganese, Total	N/A		Water	0.03 ppm	50 mL	27 µg/L	1	4	10			5/7/19 20:56:18	N	II
R1903833-001	Potassium, Total	N/A		Water	3.92 ppm	50 mL	3900 µg/L	1	200	2000			5/7/19 20:56:18	N	II
R1903833-001	Sodium, Total	N/A		Water	17.12 ppm	50 mL	17100 µg/L	1	200	1000			5/7/19 20:56:18	N	II
R1903833-002	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 20:59:37	N	II
R1903833-002	Calcium, Total	N/A		Water	55.37 ppm	50 mL	55400 µg/L	1	300	1000			5/7/19 20:59:37	N	II
R1903833-002	Iron, Total	N/A		Water	0.39 ppm	50 mL	390 µg/L	1	20	100			5/7/19 20:59:37	N	II
R1903833-002	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 20:59:37	N	II
R1903833-002	Magnesium, Total	N/A		Water	25.71 ppm	50 mL	25700 µg/L	1	30	1000			5/7/19 20:59:37	N	II
R1903833-002	Manganese, Total	N/A		Water	0.06 ppm	50 mL	60 µg/L	1	4	10			5/7/19 20:59:37	N	II
R1903833-002	Potassium, Total	N/A		Water	4.50 ppm	50 mL	4500 µg/L	1	200	2000			5/7/19 20:59:37	N	II
R1903833-002	Sodium, Total	N/A		Water	31.20 ppm	50 mL	31200 µg/L	1	200	1000			5/7/19 20:59:37	N	II
R1903833-003	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:02:57	N	II
R1903833-003	Calcium, Total	N/A		Water	19.11 ppm	50 mL	19100 µg/L	1	300	1000			5/7/19 21:02:57	N	II
R1903833-003	Iron, Total	N/A		Water	0.04 ppm	50 mL	40 µg/L J	1	20	100			5/7/19 21:02:57	N	II
R1903833-003	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:02:57	N	II
R1903833-003	Magnesium, Total	N/A		Water	7.32 ppm	50 mL	7300 µg/L	1	30	1000			5/7/19 21:02:57	N	II
R1903833-003	Manganese, Total	N/A		Water	0.00 ppm	50 mL	4 µg/L J	1	4	10			5/7/19 21:02:57	N	II
R1903833-003	Potassium, Total	N/A		Water	1.34 ppm	50 mL	1300 µg/L J	1	200	2000			5/7/19 21:02:57	N	II
R1903833-003	Sodium, Total	N/A		Water	48.86 ppm	50 mL	48900 µg/L	1	200	1000			5/7/19 21:02:57	N	II
R1903833-004	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:06:17	N	II
R1903833-004	Calcium, Total	N/A		Water	19.23 ppm	50 mL	19200 µg/L	1	300	1000			5/7/19 21:06:17	N	II
R1903833-004	Iron, Total	N/A		Water	0.03 ppm	50 mL	30 µg/L J	1	20	100			5/7/19 21:06:17	N	II
R1903833-004	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:06:17	N	II
R1903833-004	Magnesium, Total	N/A		Water	7.36 ppm	50 mL	7400 µg/L	1	30	1000			5/7/19 21:06:17	N	II
R1903833-004	Manganese, Total	N/A		Water	0.00 ppm	50 mL	4 µg/L J	1	4	10			5/7/19 21:06:17	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

634746

Method/Testcode: 6010C/K T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903833-004	Potassium, Total	N/A		Water	1.35 ppm	50 mL	1300 µg/L J	1	200	2000			5/7/19 21:06:17	N	II
1903833-004	Sodium, Total	N/A		Water	49.30 ppm	50 mL	49300 µg/L	1	200	1000			5/7/19 21:06:17	N	II
1903833-005	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:09:37	N	II
1903833-005	Calcium, Total	N/A		Water	58.35 ppm	50 mL	58300 µg/L	1	300	1000			5/7/19 21:09:37	N	II
1903833-005	Iron, Total	N/A		Water	0.02 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 21:09:37	N	II
1903833-005	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:09:37	N	II
1903833-005	Magnesium, Total	N/A		Water	26.30 ppm	50 mL	26300 µg/L	1	30	1000			5/7/19 21:09:37	N	II
1903833-005	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 21:09:37	N	II
1903833-005	Potassium, Total	N/A		Water	0.67 ppm	50 mL	700 µg/L J	1	200	2000			5/7/19 21:09:37	N	II
1903833-005	Sodium, Total	N/A		Water	31.60 ppm	50 mL	31600 µg/L	1	200	1000			5/7/19 21:09:37	N	II
1903919-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:12:57	N	II
1903919-001	Calcium, Total	N/A		Water	107.83 ppm	50 mL	108000 µg/L	1	300	1000			5/7/19 21:12:57	N	II
1903919-001	Iron, Total	N/A		Water	2.40 ppm	50 mL	2400 µg/L	1	20	100			5/7/19 21:12:57	N	II
1903919-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:12:57	N	II
1903919-001	Magnesium, Total	N/A		Water	28.83 ppm	50 mL	28800 µg/L	1	30	1000			5/7/19 21:12:57	N	II
1903919-001	Manganese, Total	N/A		Water	0.42 ppm	50 mL	421 µg/L	1	4	10			5/7/19 21:12:57	N	II
1903919-001	Potassium, Total	N/A		Water	4.31 ppm	50 mL	4300 µg/L	1	200	2000			5/7/19 21:12:57	N	II
1903919-001	Sodium, Total	N/A		Water	104.27 ppm	50 mL	104000 µg/L	1	200	1000			5/7/19 21:12:57	N	II
1903919-002	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:22:56	N	II
1903919-002	Calcium, Total	N/A		Water	66.05 ppm	50 mL	66000 µg/L	1	300	1000			5/7/19 21:22:56	N	II
1903919-002	Iron, Total	N/A		Water	0.10 ppm	50 mL	100 µg/L	1	20	100			5/7/19 21:22:56	N	II
1903919-002	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:22:56	N	II
1903919-002	Magnesium, Total	N/A		Water	19.25 ppm	50 mL	19200 µg/L	1	30	1000			5/7/19 21:22:56	N	II
1903919-002	Manganese, Total	N/A		Water	1.29 ppm	50 mL	1290 µg/L	1	4	10			5/7/19 21:22:56	N	II
1903919-002	Potassium, Total	N/A		Water	1.97 ppm	50 mL	2000 µg/L J	1	200	2000			5/7/19 21:22:56	N	II
1903919-002	Sodium, Total	N/A		Water	23.02 ppm	50 mL	23000 µg/L	1	200	1000			5/7/19 21:22:56	N	II
1903919-003	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:26:17	N	II
1903919-003	Calcium, Total	N/A		Water	102.45 ppm	50 mL	102000 µg/L	1	300	1000			5/7/19 21:26:17	N	II
1903919-003	Iron, Total	N/A		Water	0.03 ppm	50 mL	30 µg/L J	1	20	100			5/7/19 21:26:17	N	II
1903919-003	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:26:17	N	II
1903919-003	Magnesium, Total	N/A		Water	31.48 ppm	50 mL	31500 µg/L	1	30	1000			5/7/19 21:26:17	N	II
1903919-003	Manganese, Total	N/A		Water	0.01 ppm	50 mL	13 µg/L	1	4	10			5/7/19 21:26:17	N	II
1903919-003	Potassium, Total	N/A		Water	3.34 ppm	50 mL	3300 µg/L	1	200	2000			5/7/19 21:26:17	N	II
1903919-003	Sodium, Total	N/A		Water	15.26 ppm	50 mL	15300 µg/L	1	200	1000			5/7/19 21:26:17	N	II
1903919-004	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:29:36	N	II
1903919-004	Calcium, Total	N/A		Water	102.19 ppm	50 mL	102000 µg/L	1	300	1000			5/7/19 21:29:36	N	II

J indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746 Method/Testcode: 6010C/Fe T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903919-004	Iron, Total	N/A		Water	0.24 ppm	50 mL	240 µg/L	1	20	100			5/7/19 21:29:36	N	II
1903919-004	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:29:36	N	II
1903919-004	Magnesium, Total	N/A		Water	30.65 ppm	50 mL	30600 µg/L	1	30	1000			5/7/19 21:29:36	N	II
1903919-004	Manganese, Total	N/A		Water	0.86 ppm	50 mL	864 µg/L	1	4	10			5/7/19 21:29:36	N	II
1903919-004	Potassium, Total	N/A		Water	1.02 ppm	50 mL	1000 µg/L J	1	200	2000			5/7/19 21:29:36	N	II
1903919-004	Sodium, Total	N/A		Water	16.59 ppm	50 mL	16600 µg/L	1	200	1000			5/7/19 21:29:36	N	II
1903919-005	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:32:55	N	II
1903919-005	Calcium, Total	N/A		Water	131.05 ppm	50 mL	131000 µg/L	1	300	1000			5/7/19 21:32:55	N	II
1903919-005	Iron, Total	N/A		Water	0.06 ppm	50 mL	60 µg/L J	1	20	100			5/7/19 21:32:55	N	II
1903919-005	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:32:55	N	II
1903919-005	Magnesium, Total	N/A		Water	32.99 ppm	50 mL	33000 µg/L	1	30	1000			5/7/19 21:32:55	N	II
1903919-005	Manganese, Total	N/A		Water	0.01 ppm	50 mL	8 µg/L J	1	4	10			5/7/19 21:32:55	N	II
1903919-005	Potassium, Total	N/A		Water	2.28 ppm	50 mL	2300 µg/L	1	200	2000			5/7/19 21:32:55	N	II
1903919-005	Sodium, Total	N/A		Water	17.24 ppm	50 mL	17200 µg/L	1	200	1000			5/7/19 21:32:55	N	II
1903919-006	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:36:14	N	II
1903919-006	Calcium, Total	N/A		Water	77.10 ppm	50 mL	77100 µg/L	1	300	1000			5/7/19 21:36:14	N	II
1903919-006	Iron, Total	N/A		Water	0.20 ppm	50 mL	200 µg/L	1	20	100			5/7/19 21:36:14	N	II
1903919-006	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:36:14	N	II
1903919-006	Magnesium, Total	N/A		Water	18.17 ppm	50 mL	18200 µg/L	1	30	1000			5/7/19 21:36:14	N	II
1903919-006	Manganese, Total	N/A		Water	0.01 ppm	50 mL	5 µg/L J	1	4	10			5/7/19 21:36:14	N	II
1903919-006	Potassium, Total	N/A		Water	1.90 ppm	50 mL	1900 µg/L J	1	200	2000			5/7/19 21:36:14	N	II
1903919-006	Sodium, Total	N/A		Water	11.52 ppm	50 mL	11500 µg/L	1	200	1000			5/7/19 21:36:14	N	II
1903919-007	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:39:34	N	II
1903919-007	Calcium, Total	N/A		Water	103.71 ppm	50 mL	104000 µg/L	1	300	1000			5/7/19 21:39:34	N	II
1903919-007	Iron, Total	N/A		Water	0.20 ppm	50 mL	200 µg/L	1	20	100			5/7/19 21:39:34	N	II
1903919-007	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:39:34	N	II
1903919-007	Magnesium, Total	N/A		Water	18.35 ppm	50 mL	18300 µg/L	1	30	1000			5/7/19 21:39:34	N	II
1903919-007	Manganese, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L J	1	4	10			5/7/19 21:39:34	N	II
1903919-007	Potassium, Total	N/A		Water	1.38 ppm	50 mL	1400 µg/L J	1	200	2000			5/7/19 21:39:34	N	II
1903919-007	Sodium, Total	N/A		Water	9.91 ppm	50 mL	9900 µg/L	1	200	1000			5/7/19 21:39:34	N	II
1903919-008	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 21:42:53	N	II
1903919-008	Calcium, Total	N/A		Water	155.46 ppm	50 mL	155000 µg/L	1	300	1000			5/7/19 21:42:53	N	II
1903919-008	Iron, Total	N/A		Water	1.13 ppm	50 mL	1130 µg/L	1	20	100			5/7/19 21:42:53	N	II
1903919-008	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 21:42:53	N	II
1903919-008	Magnesium, Total	N/A		Water	37.19 ppm	50 mL	37200 µg/L	1	30	1000			5/7/19 21:42:53	N	II
1903919-008	Manganese, Total	N/A		Water	4.38 ppm	50 mL	4380 µg/L	1	4	10			5/7/19 21:42:53	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746

Method/Testcode: 6010C/K T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903919-008	Potassium, Total	N/A		Water	6.81 ppm	50 mL	6800 µg/L	1	200	2000			5/7/19 21:42:53	N	II
1903919-008	Sodium, Total	N/A		Water	20.20 ppm	50 mL	20200 µg/L	1	200	1000			5/7/19 21:42:53	N	II
1903919-009	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	0.4	5.0			5/7/19 21:46:12	N	II
1903919-009	Calcium, Total	N/A		Water	0.10 ppm	50 mL	1000 µg/L	U 1	300	1000			5/7/19 21:46:12	N	II
1903919-009	Iron, Total	N/A		Water	0.00 ppm	50 mL	100 µg/L	U 1	20	100			5/7/19 21:46:12	N	II
1903919-009	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	2.1	5.0			5/7/19 21:46:12	N	II
1903919-009	Magnesium, Total	N/A		Water	0.00 ppm	50 mL	1000 µg/L	U 1	30	1000			5/7/19 21:46:12	N	II
1903919-009	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 21:46:12	N	II
1903919-009	Potassium, Total	N/A		Water	0.00 ppm	50 mL	2000 µg/L	U 1	200	2000			5/7/19 21:46:12	N	II
1903919-009	Sodium, Total	N/A		Water	0.32 ppm	50 mL	300 µg/L	J 1	200	1000			5/7/19 21:46:12	N	II
1903966-001	Aluminum, Total	N/A		Water	0.02 ppm	50 mL	100 µg/L	U 1	30	100			5/7/19 21:52:51	N	II
1903966-001	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L	U 1	5	60			5/7/19 21:52:51	N	II
1903966-001	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 21:52:51	N	II
1903966-001	Barium, Total	N/A		Water	0.07 ppm	50 mL	65 µg/L	1	3	20			5/7/19 21:52:51	N	II
1903966-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L	U 1	0.2	3.0			5/7/19 21:52:51	N	II
1903966-001	Boron, Total	N/A		Water	0.09 ppm	50 mL	90 µg/L	J 1	20	200			5/7/19 21:52:51	N	II
1903966-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	0.4	5.0			5/7/19 21:52:51	N	II
1903966-001	Calcium, Total	N/A		Water	169.71 ppm	50 mL	170000 µg/L	1	300	1000			5/7/19 21:52:51	N	II
1903966-001	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 21:52:51	N	II
1903966-001	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L	U 1	0.9	50			5/7/19 21:52:51	N	II
1903966-001	Copper, Total	N/A		Water	0.01 ppm	50 mL	5 µg/L	J 1	4	20			5/7/19 21:52:51	N	II
1903966-001	Iron, Total	N/A		Water	0.01 ppm	50 mL	100 µg/L	U 1	20	100			5/7/19 21:52:51	N	II
1903966-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L	U 1	2.1	5.0			5/7/19 21:52:51	N	II
1903966-001	Magnesium, Total	N/A		Water	52.81 ppm	50 mL	52800 µg/L	1	30	1000			5/7/19 21:52:51	N	II
1903966-001	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	4	10			5/7/19 21:52:51	N	II
1903966-001	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	40 µg/L	U 1	3	40			5/7/19 21:52:51	N	II
1903966-001	Potassium, Total	N/A		Water	6.34 ppm	50 mL	6300 µg/L	1	200	2000			5/7/19 21:52:51	N	II
1903966-001	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L	U 1	5	10			5/7/19 21:52:51	N	II
1903966-001	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L	U 1	0.6	10			5/7/19 21:52:51	N	II
1903966-001	Sodium, Total	N/A		Water	112.90 ppm	50 mL	113000 µg/L	1	200	1000			5/7/19 21:52:51	N	II
1903966-001	Thallium, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	U 1	7	10			5/7/19 21:52:51	N	II
1903966-001	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L	U 1	0.7	50			5/7/19 21:52:51	N	II
1903966-001	Zinc, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L	U 1	10	20			5/7/19 21:52:51	N	II
1903971-001	Aluminum, Total	N/A		Water	0.07 ppm	50 mL	0.07 mg/L	J 1	0.03	0.10			5/7/19 22:06:10	N	IV
1903971-001	Barium, Total	N/A		Water	0.02 ppm	50 mL	0.016 mg/L	J 1	0.003	0.020			5/7/19 22:06:10	N	IV
1903971-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L	U 1	0.0002	0.0030			5/7/19 22:06:10	N	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746 Method/Testcode: 6010C/B T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903971-001	Boron, Total	N/A		Water	0.38 ppm	50 mL	0.38 mg/L	1	0.02	0.20			5/7/19 22:06:10	N	IV
1903971-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L	U 1	0.0004	0.0050			5/7/19 22:06:10	N	IV
1903971-001	Calcium, Total	N/A		Water	14.18 ppm	50 mL	14.2 mg/L	1	0.3	1.0			5/7/19 22:06:10	N	IV
1903971-001	Chromium, Total	N/A		Water	0.01 ppm	50 mL	0.007 mg/L	J 1	0.0006	0.010			5/7/19 22:06:10	N	IV
1903971-001	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U 1	0.0009	0.050			5/7/19 22:06:10	N	IV
1903971-001	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U 1	0.004	0.020			5/7/19 22:06:10	N	IV
1903971-001	Iron, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L	U 1	0.02	0.10			5/7/19 22:06:10	N	IV
1903971-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U 1	0.003	0.050			5/7/19 22:06:10	N	IV
1903971-001	Magnesium, Total	N/A		Water	0.01 ppm	50 mL	1.0 mg/L	U 1	0.03	1.0			5/7/19 22:06:10	N	IV
1903971-001	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/7/19 22:06:10	N	IV
1903971-001	Molybdenum, Total	N/A		Water	0.03 ppm	50 mL	0.031 mg/L	1	0.003	0.025			5/7/19 22:06:10	N	IV
1903971-001	Nickel, Total	N/A		Water	-0.03 ppm	50 mL	0.040 mg/L	U 1	0.003	0.040			5/7/19 22:06:10	N	IV
1903971-001	Potassium, Total	N/A		Water	0.98 ppm	50 mL	1.0 mg/L	J 1	0.2	2.0			5/7/19 22:06:10	N	IV
1903971-001	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/7/19 22:06:10	N	IV
1903971-001	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.0006	0.010			5/7/19 22:06:10	N	IV
1903971-001	Sodium, Total	N/A		Water	192.71 ppm	50 mL	193 mg/L	1	0.2	1.0			5/7/19 22:06:10	N	IV
1903971-001	Strontium, Total	N/A		Water	0.14 ppm	50 mL	0.14 mg/L	1	0.0009	0.10			5/7/19 22:06:10	N	IV
1903971-001	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L	U 1	0.008	0.50			5/7/19 22:06:10	N	IV
1903971-001	Vanadium, Total	N/A		Water	0.03 ppm	50 mL	0.029 mg/L	J 1	0.0007	0.050			5/7/19 22:06:10	N	IV
1903971-001	Zinc, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U 1	0.010	0.020			5/7/19 22:06:10	N	IV
1903971-006	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L	U 1	0.03	0.10			5/7/19 22:09:30	N	IV
1903971-006	Barium, Total	N/A		Water	0.04 ppm	50 mL	0.037 mg/L	1	0.003	0.020			5/7/19 22:09:30	N	IV
1903971-006	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L	U 1	0.0002	0.0030			5/7/19 22:09:30	N	IV
1903971-006	Boron, Total	N/A		Water	0.08 ppm	50 mL	0.08 mg/L	J 1	0.02	0.20			5/7/19 22:09:30	N	IV
1903971-006	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L	U 1	0.0004	0.0050			5/7/19 22:09:30	N	IV
1903971-006	Calcium, Total	N/A		Water	113.27 ppm	50 mL	113 mg/L	1	0.3	1.0			5/7/19 22:09:30	N	IV
1903971-006	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.001 mg/L	J 1	0.0006	0.010			5/7/19 22:09:30	N	IV
1903971-006	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U 1	0.0009	0.050			5/7/19 22:09:30	N	IV
1903971-006	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U 1	0.004	0.020			5/7/19 22:09:30	N	IV
1903971-006	Iron, Total	N/A		Water	0.00 ppm	50 mL	0.10 mg/L	U 1	0.02	0.10			5/7/19 22:09:30	N	IV
1903971-006	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U 1	0.003	0.050			5/7/19 22:09:30	N	IV
1903971-006	Magnesium, Total	N/A		Water	65.90 ppm	50 mL	65.9 mg/L	1	0.03	1.0			5/7/19 22:09:30	N	IV
1903971-006	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/7/19 22:09:30	N	IV
1903971-006	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.006 mg/L	J 1	0.003	0.025			5/7/19 22:09:30	N	IV
1903971-006	Nickel, Total	N/A		Water	0.14 ppm	50 mL	0.135 mg/L	1	0.003	0.040			5/7/19 22:09:30	N	IV
1903971-006	Potassium, Total	N/A		Water	5.64 ppm	50 mL	5.6 mg/L	1	0.2	2.0			5/7/19 22:09:30	N	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634746

Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903971-006	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/7/19 22:09:30	N	IV
1903971-006	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/7/19 22:09:30	N	IV
1903971-006	Sodium, Total	N/A		Water	38.44 ppm	50 mL	38.4 mg/L	1	0.2	1.0			5/7/19 22:09:30	N	IV
1903971-006	Strontium, Total	N/A		Water	2.65 ppm	50 mL	2.65 mg/L	1	0.0009	0.10			5/7/19 22:09:30	N	IV
1903971-006	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/7/19 22:09:30	N	IV
1903971-006	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.001 mg/L J	1	0.0007	0.050			5/7/19 22:09:30	N	IV
1903971-006	Zinc, Total	N/A		Water	0.01 ppm	50 mL	0.020 mg/L U	1	0.010	0.020			5/7/19 22:09:30	N	IV
1903971-011	Aluminum, Total	N/A		Water	0.02 ppm	50 mL	0.10 mg/L U	1	0.03	0.10			5/7/19 22:12:49	N	IV
1903971-011	Barium, Total	N/A		Water	0.02 ppm	50 mL	0.022 mg/L	1	0.003	0.020			5/7/19 22:12:49	N	IV
1903971-011	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L U	1	0.0002	0.0030			5/7/19 22:12:49	N	IV
1903971-011	Boron, Total	N/A		Water	0.06 ppm	50 mL	0.06 mg/L J	1	0.02	0.20			5/7/19 22:12:49	N	IV
1903971-011	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L U	1	0.0004	0.0050			5/7/19 22:12:49	N	IV
1903971-011	Calcium, Total	N/A		Water	114.96 ppm	50 mL	115 mg/L	1	0.3	1.0			5/7/19 22:12:49	N	IV
1903971-011	Chromium, Total	N/A		Water	0.02 ppm	50 mL	0.022 mg/L	1	0.0006	0.010			5/7/19 22:12:49	N	IV
1903971-011	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0009	0.050			5/7/19 22:12:49	N	IV
1903971-011	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/7/19 22:12:49	N	IV
1903971-011	Iron, Total	N/A		Water	0.03 ppm	50 mL	0.03 mg/L J	1	0.02	0.10			5/7/19 22:12:49	N	IV
1903971-011	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.003	0.050			5/7/19 22:12:49	N	IV
1903971-011	Magnesium, Total	N/A		Water	71.50 ppm	50 mL	71.5 mg/L	1	0.03	1.0			5/7/19 22:12:49	N	IV
1903971-011	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/7/19 22:12:49	N	IV
1903971-011	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.011 mg/L J	1	0.003	0.025			5/7/19 22:12:49	N	IV
1903971-011	Nickel, Total	N/A		Water	-0.02 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/7/19 22:12:49	N	IV
1903971-011	Potassium, Total	N/A		Water	3.34 ppm	50 mL	3.3 mg/L	1	0.2	2.0			5/7/19 22:12:49	N	IV
1903971-011	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/7/19 22:12:49	N	IV
1903971-011	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/7/19 22:12:49	N	IV
1903971-011	Sodium, Total	N/A		Water	37.91 ppm	50 mL	37.9 mg/L	1	0.2	1.0			5/7/19 22:12:49	N	IV
1903971-011	Strontium, Total	N/A		Water	2.58 ppm	50 mL	2.58 mg/L	1	0.0009	0.10			5/7/19 22:12:49	N	IV
1903971-011	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/7/19 22:12:49	N	IV
1903971-011	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.001 mg/L J	1	0.0007	0.050			5/7/19 22:12:49	N	IV
1903971-011	Zinc, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.010	0.020			5/7/19 22:12:49	N	IV

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634747

Method/Testcode: 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
2Q1904185-01	Aluminum, Total	MB		Water	-0.01 ppm	50 mL	100 µg/L U	1	30	100			5/7/19 22:39:24	N	IV
2Q1904185-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 22:39:24	N	IV
2Q1904185-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Barium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	3	20			5/7/19 22:39:24	N	IV
2Q1904185-01	Beryllium, Total	MB		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 22:39:24	N	IV
2Q1904185-01	Boron, Total	MB		Water	0.00 ppm	50 mL	200 µg/L U	1	20	200			5/7/19 22:39:24	N	IV
2Q1904185-01	Cadmium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 22:39:24	N	IV
2Q1904185-01	Calcium, Total	MB		Water	0.03 ppm	50 mL	1000 µg/L U	1	300	1000			5/7/19 22:39:24	N	IV
2Q1904185-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Cobalt, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/7/19 22:39:24	N	IV
2Q1904185-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 22:39:24	N	IV
2Q1904185-01	Iron, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 22:39:24	N	IV
2Q1904185-01	Lead, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 22:39:24	N	IV
2Q1904185-01	Magnesium, Total	MB		Water	-0.01 ppm	50 mL	1000 µg/L U	1	30	1000			5/7/19 22:39:24	N	IV
2Q1904185-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 22:39:24	N	IV
2Q1904185-01	Potassium, Total	MB		Water	-0.01 ppm	50 mL	2000 µg/L U	1	200	2000			5/7/19 22:39:24	N	IV
2Q1904185-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Silver, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Sodium, Total	MB		Water	-0.02 ppm	50 mL	1000 µg/L U	1	200	1000			5/7/19 22:39:24	N	IV
2Q1904185-01	Thallium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	7	10			5/7/19 22:39:24	N	IV
2Q1904185-01	Tin, Total	MB		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/7/19 22:39:24	N	IV
2Q1904185-01	Vanadium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/7/19 22:39:24	N	IV
2Q1904185-01	Zinc, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	10	20			5/7/19 22:39:24	N	IV
2Q1904185-02	Aluminum, Total	LCS		Water	1.89 ppm	50 mL	1890 µg/L	1	30	100	94		5/7/19 22:42:42	N	IV
2Q1904185-02	Antimony, Total	LCS		Water	0.48 ppm	50 mL	479 µg/L	1	5	60	96		5/7/19 22:42:42	N	IV
2Q1904185-02	Arsenic, Total	LCS		Water	0.04 ppm	50 mL	39.2 µg/L	1	4	10	98		5/7/19 22:42:42	N	IV
2Q1904185-02	Barium, Total	LCS		Water	2.12 ppm	50 mL	2120 µg/L	1	3	20	106		5/7/19 22:42:42	N	IV
2Q1904185-02	Beryllium, Total	LCS		Water	0.05 ppm	50 mL	51.1 µg/L	1	0.2	3.0	102		5/7/19 22:42:42	N	IV
2Q1904185-02	Boron, Total	LCS		Water	1.01 ppm	50 mL	1010 µg/L	1	20	200	101		5/7/19 22:42:42	N	IV
2Q1904185-02	Cadmium, Total	LCS		Water	0.05 ppm	50 mL	53.0 µg/L	1	0.4	5.0	106		5/7/19 22:42:42	N	IV
2Q1904185-02	Calcium, Total	LCS		Water	1.90 ppm	50 mL	1900 µg/L	1	300	1000	95		5/7/19 22:42:42	N	IV
2Q1904185-02	Chromium, Total	LCS		Water	0.21 ppm	50 mL	208 µg/L	1	0.6	10	104		5/7/19 22:42:42	N	IV
2Q1904185-02	Cobalt, Total	LCS		Water	0.53 ppm	50 mL	531 µg/L	1	0.9	50	106		5/7/19 22:42:42	N	IV
2Q1904185-02	Copper, Total	LCS		Water	0.25 ppm	50 mL	246 µg/L	1	4	20	98		5/7/19 22:42:42	N	IV
2Q1904185-02	Iron, Total	LCS		Water	1.00 ppm	50 mL	1000 µg/L	1	20	100	100		5/7/19 22:42:42	N	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634747

Method/Testcode: 6010C/Pb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904185-02	Lead, Total	LCS		Water	0.53 ppm	50 mL	534 µg/L	1	3	50	107		5/7/19 22:42:42	N	IV
RQ1904185-02	Magnesium, Total	LCS		Water	2.05 ppm	50 mL	2050 µg/L	1	30	1000	102		5/7/19 22:42:42	N	IV
RQ1904185-02	Manganese, Total	LCS		Water	0.51 ppm	50 mL	511 µg/L	1	4	10	102		5/7/19 22:42:42	N	IV
RQ1904185-02	Nickel, Total	LCS		Water	0.52 ppm	50 mL	521 µg/L	1	3	40	104		5/7/19 22:42:42	N	IV
RQ1904185-02	Potassium, Total	LCS		Water	19.05 ppm	50 mL	19000 µg/L	1	200	2000	95		5/7/19 22:42:42	N	IV
RQ1904185-02	Selenium, Total	LCS		Water	1.06 ppm	50 mL	1060 µg/L	1	5	10	105		5/7/19 22:42:42	N	IV
RQ1904185-02	Silver, Total	LCS		Water	0.05 ppm	50 mL	50.3 µg/L	1	0.6	10	101		5/7/19 22:42:42	N	IV
RQ1904185-02	Sodium, Total	LCS		Water	19.45 ppm	50 mL	19500 µg/L	1	200	1000	97		5/7/19 22:42:42	N	IV
RQ1904185-02	Thallium, Total	LCS		Water	1.97 ppm	50 mL	1970 µg/L	1	7	10	99		5/7/19 22:42:42	N	IV
RQ1904185-02	Tin, Total	LCS		Water	5.14 ppm	50 mL	5140 µg/L	1	8	500	103		5/7/19 22:42:42	N	IV
RQ1904185-02	Vanadium, Total	LCS		Water	0.50 ppm	50 mL	504 µg/L	1	0.7	50	101		5/7/19 22:42:42	N	IV
RQ1904185-02	Zinc, Total	LCS		Water	0.51 ppm	50 mL	514 µg/L	1	10	20	103		5/7/19 22:42:42	N	IV
RQ1904185-03	Aluminum, Total	DLCS		Water	1.88 ppm	50 mL	1880 µg/L	1	30	100	94	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Antimony, Total	DLCS		Water	0.48 ppm	50 mL	481 µg/L	1	5	60	96	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Arsenic, Total	DLCS		Water	0.04 ppm	50 mL	39.5 µg/L	1	4	10	99	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Barium, Total	DLCS		Water	2.10 ppm	50 mL	2100 µg/L	1	3	20	105	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Beryllium, Total	DLCS		Water	0.05 ppm	50 mL	50.9 µg/L	1	0.2	3.0	102	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Boron, Total	DLCS		Water	1.01 ppm	50 mL	1010 µg/L	1	20	200	101	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Cadmium, Total	DLCS		Water	0.05 ppm	50 mL	52.9 µg/L	1	0.4	5.0	106	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Calcium, Total	DLCS		Water	1.95 ppm	50 mL	1950 µg/L	1	300	1000	97	3	5/7/19 22:46:01	N	IV
RQ1904185-03	Chromium, Total	DLCS		Water	0.21 ppm	50 mL	207 µg/L	1	0.6	10	104	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Cobalt, Total	DLCS		Water	0.53 ppm	50 mL	528 µg/L	1	0.9	50	106	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Copper, Total	DLCS		Water	0.24 ppm	50 mL	245 µg/L	1	4	20	98	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Iron, Total	DLCS		Water	1.00 ppm	50 mL	1000 µg/L	1	20	100	100	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Lead, Total	DLCS		Water	0.53 ppm	50 mL	531 µg/L	1	3	50	106	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Magnesium, Total	DLCS		Water	2.04 ppm	50 mL	2040 µg/L	1	30	1000	102	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Manganese, Total	DLCS		Water	0.51 ppm	50 mL	510 µg/L	1	4	10	102	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Nickel, Total	DLCS		Water	0.52 ppm	50 mL	518 µg/L	1	3	40	104	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Potassium, Total	DLCS		Water	18.97 ppm	50 mL	19000 µg/L	1	200	2000	95	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Selenium, Total	DLCS		Water	1.05 ppm	50 mL	1050 µg/L	1	5	10	104	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Silver, Total	DLCS		Water	0.05 ppm	50 mL	50.0 µg/L	1	0.6	10	100	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Sodium, Total	DLCS		Water	19.36 ppm	50 mL	19400 µg/L	1	200	1000	97	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Thallium, Total	DLCS		Water	1.96 ppm	50 mL	1960 µg/L	1	7	10	98	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Tin, Total	DLCS		Water	5.10 ppm	50 mL	5100 µg/L	1	8	500	102	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Vanadium, Total	DLCS		Water	0.50 ppm	50 mL	503 µg/L	1	0.7	50	101	<1	5/7/19 22:46:01	N	IV
RQ1904185-03	Zinc, Total	DLCS		Water	0.51 ppm	50 mL	511 µg/L	1	10	20	102	<1	5/7/19 22:46:01	N	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634747

Method/Testcode: 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903918-001	Aluminum, Total	N/A		Water	0.25 ppm	50 mL	250 µg/L	1	30	100			5/7/19 22:49:20	N	IV
1903918-001	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 22:49:20	N	IV
1903918-001	Arsenic, Total	N/A		Water	0.07 ppm	50 mL	69 µg/L	1	4	10			5/7/19 22:49:20	N	IV
1903918-001	Barium, Total	N/A		Water	1.64 ppm	50 mL	1640 µg/L	1	3	20			5/7/19 22:49:20	N	IV
1903918-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/7/19 22:49:20	N	IV
1903918-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 22:49:20	N	IV
1903918-001	Chromium, Total	N/A		Water	0.07 ppm	50 mL	72 µg/L	1	0.6	10			5/7/19 22:49:20	N	IV
1903918-001	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	2 µg/L J	1	0.9	50			5/7/19 22:49:20	N	IV
1903918-001	Copper, Total	N/A		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/7/19 22:49:20	N	IV
1903918-001	Iron, Total	N/A		Water	1.42 ppm	50 mL	1420 µg/L	1	20	100			5/7/19 22:49:20	N	IV
1903918-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/7/19 22:49:20	N	IV
1903918-001	Magnesium, Total	N/A		Water	256.41 ppm	50 mL	256000 µg/L	1	30	1000			5/7/19 22:49:20	N	IV
1903918-001	Manganese, Total	N/A		Water	3.40 ppm	50 mL	3400 µg/L	1	4	10			5/7/19 22:49:20	N	IV
1903918-001	Nickel, Total	N/A		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/7/19 22:49:20	N	IV
1903918-001	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	10 µg/L U	1	5	10			5/7/19 22:49:20	N	IV
1903918-001	Silver, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/7/19 22:49:20	N	IV
1903918-001	Tin, Total	N/A		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/7/19 22:49:20	N	IV
1903918-001	Vanadium, Total	N/A		Water	0.03 ppm	50 mL	27 µg/L J	1	0.7	50			5/7/19 22:49:20	N	IV
1903918-001	Zinc, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L J	1	10	20			5/7/19 22:49:20	N	IV
1903953-002	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 22:55:59	N	IV
1903953-002	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 22:55:59	N	IV
1903953-002	Iron, Total	N/A		Water	0.21 ppm	50 mL	210 µg/L	1	20	100			5/7/19 22:55:59	N	IV
1903953-002	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 22:55:59	N	IV
1903953-002	Manganese, Total	N/A		Water	0.02 ppm	50 mL	16 µg/L	1	4	10			5/7/19 22:55:59	N	IV
1903953-003	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 22:59:18	N	IV
1903953-003	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 22:59:18	N	IV
1903953-003	Iron, Total	N/A		Water	0.09 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 22:59:18	N	IV
1903953-003	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 22:59:18	N	IV
1903953-003	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 22:59:18	N	IV
1903953-004	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:02:37	N	IV
1903953-004	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:02:37	N	IV
1903953-004	Iron, Total	N/A		Water	0.11 ppm	50 mL	110 µg/L	1	20	100			5/7/19 23:02:37	N	IV
1903953-004	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:02:37	N	IV
1903953-004	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 23:02:37	N	IV
1903953-005	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:05:56	N	IV
1903953-005	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:05:56	N	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634747 Method/Testcode: 6010C/Fe T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903953-005	Iron, Total	N/A		Water	0.09 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 23:05:56	N	IV
1903953-005	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:05:56	N	IV
1903953-005	Manganese, Total	N/A		Water	0.02 ppm	50 mL	15 µg/L	1	4	10			5/7/19 23:05:56	N	IV
1903953-006	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:09:16	N	IV
1903953-006	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:09:16	N	IV
1903953-006	Iron, Total	N/A		Water	0.32 ppm	50 mL	320 µg/L	1	20	100			5/7/19 23:09:16	N	IV
1903953-006	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:09:16	N	IV
1903953-006	Manganese, Total	N/A		Water	0.08 ppm	50 mL	80 µg/L	1	4	10			5/7/19 23:09:16	N	IV
1903953-007	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:19:15	N	IV
1903953-007	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:19:15	N	IV
1903953-007	Iron, Total	N/A		Water	1.10 ppm	50 mL	1100 µg/L	1	20	100			5/7/19 23:19:15	N	IV
1903953-007	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:19:15	N	IV
1903953-007	Manganese, Total	N/A		Water	0.04 ppm	50 mL	41 µg/L	1	4	10			5/7/19 23:19:15	N	IV
1903953-008	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:22:35	N	IV
1903953-008	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:22:35	N	IV
1903953-008	Iron, Total	N/A		Water	0.67 ppm	50 mL	670 µg/L	1	20	100			5/7/19 23:22:35	N	IV
1903953-008	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:22:35	N	IV
1903953-008	Manganese, Total	N/A		Water	0.01 ppm	50 mL	11 µg/L	1	4	10			5/7/19 23:22:35	N	IV
1903953-009	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:25:54	N	IV
1903953-009	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:25:54	N	IV
1903953-009	Iron, Total	N/A		Water	0.62 ppm	50 mL	620 µg/L	1	20	100			5/7/19 23:25:54	N	IV
1903953-009	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:25:54	N	IV
1903953-009	Manganese, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	1	4	10			5/7/19 23:25:54	N	IV
1903953-010	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:29:13	N	IV
1903953-010	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:29:13	N	IV
1903953-010	Iron, Total	N/A		Water	0.36 ppm	50 mL	360 µg/L	1	20	100			5/7/19 23:29:13	N	IV
1903953-010	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:29:13	N	IV
1903953-010	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 23:29:13	N	IV
1903953-011	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:32:32	N	IV
1903953-011	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:32:32	N	IV
1903953-011	Iron, Total	N/A		Water	0.60 ppm	50 mL	600 µg/L	1	20	100			5/7/19 23:32:32	N	IV
1903953-011	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:32:32	N	IV
1903953-011	Manganese, Total	N/A		Water	0.02 ppm	50 mL	17 µg/L	1	4	10			5/7/19 23:32:32	N	IV
1903953-012	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:35:52	N	IV
1903953-012	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:35:52	N	IV
1903953-012	Iron, Total	N/A		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/7/19 23:35:52	N	IV

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634747

Method/Testcode: 6010C/Pb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903953-012	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:35:52	N	IV
1903953-012	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 23:35:52	N	IV
1903953-013	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:39:10	N	IV
1903953-013	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:39:10	N	IV
1903953-013	Iron, Total	N/A		Water	0.17 ppm	50 mL	170 µg/L	1	20	100			5/7/19 23:39:10	N	IV
1903953-013	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:39:10	N	IV
1903953-013	Manganese, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	4	10			5/7/19 23:39:10	N	IV
1903953-014	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:42:29	N	IV
1903953-014	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:42:29	N	IV
1903953-014	Iron, Total	N/A		Water	0.83 ppm	50 mL	830 µg/L	1	20	100			5/7/19 23:42:29	N	IV
1903953-014	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:42:29	N	IV
1903953-014	Manganese, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L	1	4	10			5/7/19 23:42:29	N	IV
1903953-016	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:49:07	N	IV
1903953-016	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:49:07	N	IV
1903953-016	Iron, Total	N/A		Water	0.41 ppm	50 mL	410 µg/L	1	20	100			5/7/19 23:49:07	N	IV
1903953-016	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:49:07	N	IV
1903953-016	Manganese, Total	N/A		Water	0.01 ppm	50 mL	13 µg/L	1	4	10			5/7/19 23:49:07	N	IV
1903953-017	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/7/19 23:59:06	N	IV
1903953-017	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/7/19 23:59:06	N	IV
1903953-017	Iron, Total	N/A		Water	1.64 ppm	50 mL	1640 µg/L	1	20	100			5/7/19 23:59:06	N	IV
1903953-017	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/7/19 23:59:06	N	IV
1903953-017	Manganese, Total	N/A		Water	1.22 ppm	50 mL	1220 µg/L	1	4	10			5/7/19 23:59:06	N	IV
1903953-018	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/8/19 00:02:26	N	IV
1903953-018	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/8/19 00:02:26	N	IV
1903953-018	Iron, Total	N/A		Water	2.35 ppm	50 mL	2350 µg/L	1	20	100			5/8/19 00:02:26	N	IV
1903953-018	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/8/19 00:02:26	N	IV
1903953-018	Manganese, Total	N/A		Water	0.37 ppm	50 mL	371 µg/L	1	4	10			5/8/19 00:02:26	N	IV
1903953-019	Antimony, Total	N/A		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/8/19 00:05:45	N	IV
1903953-019	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/8/19 00:05:45	N	IV
1903953-019	Iron, Total	N/A		Water	2.22 ppm	50 mL	2220 µg/L	1	20	100			5/8/19 00:05:45	N	IV
1903953-019	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/8/19 00:05:45	N	IV
1903953-019	Manganese, Total	N/A		Water	2.65 ppm	50 mL	2650 µg/L	1	4	10			5/8/19 00:05:45	N	IV
1903953-020	Antimony, Total	N/A		Water	-0.01 ppm	50 mL	60 µg/L U	1	5	60			5/8/19 00:09:05	N	IV
1903953-020	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/8/19 00:09:05	N	IV
1903953-020	Lead, Total	N/A		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/8/19 00:09:05	N	IV
1903953-020	Manganese, Total	N/A		Water	1.86 ppm	50 mL	1860 µg/L	1	4	10			5/8/19 00:09:05	N	IV

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Metals Cover Page

Analyst: ZH

Date: 5/6/19

Instrument: ICP6

Data File: Lemay 06B

Reviewed By: CK 5/7/19

Entered By: CK 5/7/19

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
1034534	CANA	335866	6010C		

1034534	TAL+MOB.SN.Sr.Ti	336018	6010C MDLV	Wrong solution prepped	

1034535	AgBaCdCrPbFe	336018	6010C		R3890 reported R3954 reported R3954-001 ^{OC} Pb repeat

ICP-6 Run Log
Serial number: MY15340001

Analyst: LH

Date: 5/6/19

Data File: May 06 B

	Prep Date	Lot #		Prep Date	Lot #
MRL	4/24/19	M7860094A	Cal Std 1	4/1/19	M7860021B
ICSA	3/25/19	M7860095B	Cal Std 2	3/1/19	M7860020B
ICSAB	4/9/19	M7860015B	Cal Std 5/ HLCCV1	4/25/19	M7860032B
Int. Std	5/2/19	M7860020B	ICV/CCV	5/6/19	M7860048A
HLCCV3	5/1/19	M7860080E	HLCCV2	4/29/19	M7860071E

(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)

Blank Prep - Daily	NHO3	HCl	Pipet Used	DOD Pipet Verification	IEC Date
Lot	M78600005	M78600094	M34, M25		

1:1	PBW-335866	1:30	R1903954-001L 10X
1:2	LCSW-335866	1:31	R1903954-003 10X
1:3	R1903882-003 10X	1:32	R1903954-006 10X
1:4	R1903882-004 10X	1:33	R1903954-008 10X
1:5	R1903882-011 10X	1:34	R1903954-010 10X
1:6	R1903882-006 10X	S1:6	Continuing Calibration Verification
1:7	R1903882-008 10X	S1:7	Continuing Calibration Blank
1:8	R1903882-009 10X	S1:3	Contract Required Detection Limit
1:9	R1903882-009L 10X	S1:4	Interference Check Solution A
1:10	PBS-336018	S1:5	Interference Check Solution AB
1:11	LCSS-336018	S1:21	HLCCV2
1:12	R1902784-015	S1:22	HLCCV3
1:13	R1903890-001	S1:18	HLCCV1
1:14	R1903890-002	S1:6	Continuing Calibration Verification
1:15	R1903954-001	S1:7	Continuing Calibration Blank
1:16	R1903954-001S		
1:17	R1903954-001SD		
1:18	R1903954-001A		
1:19	R1903954-001L		
S1:6	Continuing Calibration Verification		
S1:7	Continuing Calibration Blank		
1:20	R1903954-003		
1:21	R1903954-006		
1:22	R1903954-008		
1:23	R1903954-010		
1:24	R1903890-001 10X		
1:25	R1903890-002 10X		
1:26	R1903954-001 10X		
1:27	R1903954-001S 10X		
1:28	R1903954-001SD 10X		
1:29	R1903954-001A 10X		
S1:6	Continuing Calibration Verification		
S1:7	Continuing Calibration Blank		



Path: C:\Agilent\ICP Expert\My Results\6MAY06B.esws
 Date created: 5/6/2019 4:27:47 PM
 Instrument used: MY15340001
 Software Version : 7.4.1.10449 Firmware Version : 3585
 Notes:

*Analysis
 5/6/2019
 (OK 9/11/19)*

Detailed Results

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 16:37:45	Blank	Ag (328.068 nm)	N/A	0.0000 (ppm)	-148.6025
5/6/2019 16:37:45	Blank	Al (394.401 nm)	N/A	0.0000 (ppm)	190.8248
5/6/2019 16:37:45	Blank	As (188.980 nm)	N/A	0.0000 (ppm)	-1.7932
5/6/2019 16:37:45	Blank	B (249.772 nm)	N/A	0.0000 (ppm)	60.3615
5/6/2019 16:37:45	Blank	Ba (230.424 nm)	N/A	0.0000 (ppm)	4.5947
5/6/2019 16:37:45	Blank	Be (313.107 nm)	N/A	0.0000 (ppm)	-311.2073
5/6/2019 16:37:45	Blank	Ca (227.547 nm)	N/A	0.0000 (ppm)	2.0277
5/6/2019 16:37:45	Blank	Cd (214.439 nm)	N/A	0.0000 (ppm)	6.7362
5/6/2019 16:37:45	Blank	Co (230.786 nm)	N/A	0.0000 (ppm)	-3.7675
5/6/2019 16:37:45	Blank	Cr (267.716 nm)	N/A	0.0000 (ppm)	12.9073
5/6/2019 16:37:45	Blank	Cu (327.395 nm)	N/A	0.0000 (ppm)	9.5145
5/6/2019 16:37:45	Blank	Fe (234.350 nm)	N/A	0.0000 (ppm)	20.9831
5/6/2019 16:37:45	Blank	K (766.491 nm)	N/A	0.0000 (ppm)	-98.7735
5/6/2019 16:37:45	Blank	Mg (279.078 nm)	N/A	0.0000 (ppm)	6.3793
5/6/2019 16:37:45	Blank	Mn (257.610 nm)	N/A	0.0000 (ppm)	19.3159
5/6/2019 16:37:45	Blank	Mo (202.032 nm)	N/A	0.0000 (ppm)	3.3151
5/6/2019 16:37:45	Blank	Na (588.995 nm)	N/A	0.0000 (ppm)	-9127.7727
5/6/2019 16:37:45	Blank	Ni (230.299 nm)	N/A	0.0000 (ppm)	-14.6725
5/6/2019 16:37:45	Blank	Pb (220.353 nm)	N/A	0.0000 (ppm)	3.0390
5/6/2019 16:37:45	Blank	Sb (217.582 nm)	N/A	0.0000 (ppm)	-1.5862
5/6/2019 16:37:45	Blank	Se (196.026 nm)	N/A	0.0000 (ppm)	4.0087
5/6/2019 16:37:45	Blank	Sn (189.925 nm)	N/A	0.0000 (ppm)	-2.2548
5/6/2019 16:37:45	Blank	Sr (216.596 nm)	N/A	0.0000 (ppm)	-1.2759
5/6/2019 16:37:45	Blank	Ti (335.122 nm)	N/A	0.0000 (ppm)	-107.7836
5/6/2019 16:37:45	Blank	Ti (351.923 nm)	N/A	0.0000 (ppm)	-6.6897
5/6/2019 16:37:45	Blank	V (292.401 nm)	N/A	0.0000 (ppm)	43.7135
5/6/2019 16:37:45	Blank	Y (360.074 nm)	0.00	1.00 (Ratio)	930878.75
5/6/2019 16:37:45	Blank	Y_R (360.074 nm)	0.00	1.00 (Ratio)	929318.64
5/6/2019 16:37:45	Blank	Zn (213.857 nm)	N/A	0.0000 (ppm)	-12.7936
5/6/2019 16:41:07	Standard 1	Ag (328.068 nm)	N/A		-154.3374
5/6/2019 16:41:07	Standard 1	Al (394.401 nm)	N/A		482.4419
5/6/2019 16:41:07	Standard 1	As (188.980 nm)	N/A	0.0050 (ppm)	1.1705
5/6/2019 16:41:07	Standard 1	B (249.772 nm)	N/A		64.7461
5/6/2019 16:41:07	Standard 1	Ba (230.424 nm)	N/A	0.0200 (ppm)	1079.3568
5/6/2019 16:41:07	Standard 1	Be (313.107 nm)	N/A		-309.4374
5/6/2019 16:41:07	Standard 1	Ca (227.547 nm)	N/A		32.3957
5/6/2019 16:41:07	Standard 1	Cd (214.439 nm)	N/A	0.0010 (ppm)	28.7138
5/6/2019 16:41:07	Standard 1	Co (230.786 nm)	N/A	0.0030 (ppm)	36.8943
5/6/2019 16:41:07	Standard 1	Cr (267.716 nm)	N/A	0.0050 (ppm)	272.4407
5/6/2019 16:41:07	Standard 1	Cu (327.395 nm)	N/A	0.0100 (ppm)	681.5583

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 16:41:07	Standard 1	Fe (234.350 nm)	N/A		54.8339
5/6/2019 16:41:07	Standard 1	K (766.491 nm)	N/A		6657.6442
5/6/2019 16:41:07	Standard 1	Mg (279.078 nm)	N/A		1172.5696
5/6/2019 16:41:07	Standard 1	Mn (257.610 nm)	N/A	0.0100 (ppm)	3669.6703
5/6/2019 16:41:07	Standard 1	Mo (202.032 nm)	N/A	0.0250 (ppm)	155.1683
5/6/2019 16:41:07	Standard 1	Na (588.995 nm)	N/A		13389.6609
5/6/2019 16:41:07	Standard 1	Ni (230.299 nm)	N/A		-19.7555
5/6/2019 16:41:07	Standard 1	Pb (220.353 nm)	N/A	0.0050 (ppm)	16.8831
5/6/2019 16:41:07	Standard 1	Sb (217.582 nm)	N/A	0.0100 (ppm)	9.8675
5/6/2019 16:41:07	Standard 1	Se (196.026 nm)	N/A		4.0551
5/6/2019 16:41:07	Standard 1	Sn (189.925 nm)	N/A		-0.7424
5/6/2019 16:41:07	Standard 1	Sr (216.596 nm)	N/A		3.0491
5/6/2019 16:41:07	Standard 1	Ti (336.122 nm)	N/A		-113.2228
5/6/2019 16:41:07	Standard 1	Tl (351.923 nm)	N/A	0.0100 (ppm)	26.3316
5/6/2019 16:41:07	Standard 1	V (292.401 nm)	N/A	0.0030 (ppm)	132.9449
5/6/2019 16:41:07	Standard 1	Y (360.074 nm)	0.45	1.02 (Ratio)	953594.19
5/6/2019 16:41:07	Standard 1	Y_R (360.074 nm)	0.45	1.02 (Ratio)	952004.66
5/6/2019 16:41:07	Standard 1	Zn (213.857 nm)	N/A	0.0100 (ppm)	352.7772
5/6/2019 16:44:27	Standard 2	Ag (328.068 nm)	N/A		-148.0930
5/6/2019 16:44:27	Standard 2	Al (394.401 nm)	N/A	0.1000 (ppm)	1751.7237
5/6/2019 16:44:27	Standard 2	As (188.980 nm)	N/A	0.0100 (ppm)	5.4573
5/6/2019 16:44:27	Standard 2	B (249.772 nm)	N/A	0.2000 (ppm)	7640.7167
5/6/2019 16:44:27	Standard 2	Ba (230.424 nm)	N/A		3.6613
5/6/2019 16:44:27	Standard 2	Be (313.107 nm)	N/A	0.0030 (ppm)	3675.8479
5/6/2019 16:44:27	Standard 2	Ca (227.547 nm)	N/A	1.0000 (ppm)	57.2986
5/6/2019 16:44:27	Standard 2	Cd (214.439 nm)	N/A	0.0050 (ppm)	114.7591
5/6/2019 16:44:27	Standard 2	Co (230.786 nm)	N/A		-1.3293
5/6/2019 16:44:27	Standard 2	Cr (267.716 nm)	N/A		31.8998
5/6/2019 16:44:27	Standard 2	Cu (327.395 nm)	N/A	0.0200 (ppm)	1329.5901
5/6/2019 16:44:27	Standard 2	Fe (234.350 nm)	N/A		49.7518
5/6/2019 16:44:27	Standard 2	K (766.491 nm)	N/A	2.0000 (ppm)	6608.5420
5/6/2019 16:44:27	Standard 2	Mg (279.078 nm)	N/A	1.0000 (ppm)	11.4709
5/6/2019 16:44:27	Standard 2	Mn (257.610 nm)	N/A		33.9604
5/6/2019 16:44:27	Standard 2	Mo (202.032 nm)	N/A		2.5947
5/6/2019 16:44:27	Standard 2	Na (588.995 nm)	N/A	1.0000 (ppm)	36722.4375
5/6/2019 16:44:27	Standard 2	Ni (230.299 nm)	N/A		-13.0866
5/6/2019 16:44:27	Standard 2	Pb (220.353 nm)	N/A	0.0500 (ppm)	162.6636
5/6/2019 16:44:27	Standard 2	Sb (217.582 nm)	N/A	0.0600 (ppm)	67.4279
5/6/2019 16:44:27	Standard 2	Se (196.026 nm)	N/A	0.0100 (ppm)	8.4342
5/6/2019 16:44:27	Standard 2	Sn (189.925 nm)	N/A	0.5000 (ppm)	373.7372
5/6/2019 16:44:27	Standard 2	Sr (216.596 nm)	N/A		1.0924
5/6/2019 16:44:27	Standard 2	Ti (336.122 nm)	N/A		-115.6897
5/6/2019 16:44:27	Standard 2	Tl (351.923 nm)	N/A		-9.6999
5/6/2019 16:44:27	Standard 2	V (292.401 nm)	N/A		44.7828
5/6/2019 16:44:27	Standard 2	Y (360.074 nm)	0.43	1.03 (Ratio)	954361.52
5/6/2019 16:44:27	Standard 2	Y_R (360.074 nm)	0.43	1.03 (Ratio)	952731.73
5/6/2019 16:44:27	Standard 2	Zn (213.857 nm)	N/A		37.2467
5/6/2019 16:47:48	Standard 3	Ag (328.068 nm)	N/A	0.0100 (ppm)	583.4668
5/6/2019 16:47:48	Standard 3	Al (394.401 nm)	N/A		3228.5029
5/6/2019 16:47:48	Standard 3	As (188.980 nm)	N/A		13.0002
5/6/2019 16:47:48	Standard 3	B (249.772 nm)	N/A		1988.7688

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 16:47:48	Standard 3	Ba (230.424 nm)	N/A		10105.4365
5/6/2019 16:47:48	Standard 3	Be (313.107 nm)	N/A	0.0050 (ppm)	6096.2866
5/6/2019 16:47:48	Standard 3	Ca (227.547 nm)	N/A	0.5000 (ppm)	30.6043
5/6/2019 16:47:48	Standard 3	Cd (214.439 nm)	N/A		214.3769
5/6/2019 16:47:48	Standard 3	Co (230.786 nm)	N/A	0.0500 (ppm)	647.2721
5/6/2019 16:47:48	Standard 3	Cr (267.716 nm)	N/A	0.0100 (ppm)	424.0541
5/6/2019 16:47:48	Standard 3	Cu (327.395 nm)	N/A		1601.8755
5/6/2019 16:47:48	Standard 3	Fe (234.350 nm)	N/A	0.1000 (ppm)	1136.1506
5/6/2019 16:47:48	Standard 3	K (766.491 nm)	N/A	0.5000 (ppm)	1609.6487
5/6/2019 16:47:48	Standard 3	Mg (279.078 nm)	N/A	0.5000 (ppm)	1148.9289
5/6/2019 16:47:48	Standard 3	Mn (257.610 nm)	N/A		4989.2963
5/6/2019 16:47:48	Standard 3	Mo (202.032 nm)	N/A		287.6856
5/6/2019 16:47:48	Standard 3	Na (588.995 nm)	N/A	0.5000 (ppm)	14446.6147
5/6/2019 16:47:48	Standard 3	Ni (230.299 nm)	N/A	0.0400 (ppm)	404.7301
5/6/2019 16:47:48	Standard 3	Pb (220.353 nm)	N/A		31.1055
5/6/2019 16:47:48	Standard 3	Sb (217.582 nm)	N/A		113.4749
5/6/2019 16:47:48	Standard 3	Se (196.026 nm)	N/A		8.3743
5/6/2019 16:47:48	Standard 3	Sn (189.925 nm)	N/A		71.8473
5/6/2019 16:47:48	Standard 3	Sr (216.596 nm)	N/A	0.0500 (ppm)	517.5241
5/6/2019 16:47:48	Standard 3	Ti (336.122 nm)	N/A	0.0500 (ppm)	12263.4071
5/6/2019 16:47:48	Standard 3	Ti (351.923 nm)	N/A	0.0200 (ppm)	44.2207
5/6/2019 16:47:48	Standard 3	V (292.401 nm)	N/A	0.0500 (ppm)	1612.7708
5/6/2019 16:47:48	Standard 3	Y (360.074 nm)	0.47	1.00 (Ratio)	930523.27
5/6/2019 16:47:48	Standard 3	Y_R (360.074 nm)	0.47	1.00 (Ratio)	929000.61
5/6/2019 16:47:48	Standard 3	Zn (213.857 nm)	N/A	0.0200 (ppm)	651.3173
5/6/2019 16:51:09	Standard 4	Ag (328.068 nm)	N/A	0.2000 (ppm)	14563.8297
5/6/2019 16:51:09	Standard 4	Al (394.401 nm)	N/A	4.0000 (ppm)	63977.7098
5/6/2019 16:51:09	Standard 4	As (188.980 nm)	N/A	0.4000 (ppm)	272.7946
5/6/2019 16:51:09	Standard 4	B (249.772 nm)	N/A	1.0000 (ppm)	40198.3906
5/6/2019 16:51:09	Standard 4	Ba (230.424 nm)	N/A	4.0000 (ppm)	204563.8077
5/6/2019 16:51:09	Standard 4	Be (313.107 nm)	N/A	0.1000 (ppm)	135333.9053
5/6/2019 16:51:09	Standard 4	Ca (227.547 nm)	N/A	10.0000 (ppm)	578.3484
5/6/2019 16:51:09	Standard 4	Cd (214.439 nm)	N/A	0.2000 (ppm)	4372.3862
5/6/2019 16:51:09	Standard 4	Co (230.786 nm)	N/A	1.0000 (ppm)	13238.9551
5/6/2019 16:51:09	Standard 4	Cr (267.716 nm)	N/A	0.2000 (ppm)	8554.4437
5/6/2019 16:51:09	Standard 4	Cu (327.395 nm)	N/A	0.5000 (ppm)	31752.7520
5/6/2019 16:51:09	Standard 4	Fe (234.350 nm)	N/A	2.0000 (ppm)	22999.5219
5/6/2019 16:51:09	Standard 4	K (766.491 nm)	N/A	10.0000 (ppm)	34742.1298
5/6/2019 16:51:09	Standard 4	Mg (279.078 nm)	N/A	10.0000 (ppm)	23597.7530
5/6/2019 16:51:09	Standard 4	Mn (257.610 nm)	N/A	0.3000 (ppm)	99533.4652
5/6/2019 16:51:09	Standard 4	Mo (202.032 nm)	N/A	1.0000 (ppm)	5937.0043
5/6/2019 16:51:09	Standard 4	Na (588.995 nm)	N/A	10.0000 (ppm)	448576.8163
5/6/2019 16:51:09	Standard 4	Ni (230.299 nm)	N/A	0.8000 (ppm)	8589.8302
5/6/2019 16:51:09	Standard 4	Pb (220.353 nm)	N/A	0.2000 (ppm)	608.1219
5/6/2019 16:51:09	Standard 4	Sb (217.582 nm)	N/A	2.0000 (ppm)	2339.1643
5/6/2019 16:51:09	Standard 4	Se (196.026 nm)	N/A	0.2000 (ppm)	99.7058
5/6/2019 16:51:09	Standard 4	Sn (189.925 nm)	N/A	2.0000 (ppm)	1522.1222
5/6/2019 16:51:09	Standard 4	Sr (216.596 nm)	N/A	1.0000 (ppm)	10799.3234
5/6/2019 16:51:09	Standard 4	Ti (336.122 nm)	N/A	1.0000 (ppm)	251284.8243
5/6/2019 16:51:09	Standard 4	Ti (351.923 nm)	N/A	0.4000 (ppm)	1112.5171
5/6/2019 16:51:09	Standard 4	V (292.401 nm)	N/A	1.0000 (ppm)	32436.8253

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 16:51:09	Standard 4	Y (360.074 nm)	0.47	1.00 (Ratio)	934077.17
5/6/2019 16:51:09	Standard 4	Y_R (360.074 nm)	0.47	1.00 (Ratio)	932565.79
5/6/2019 16:51:09	Standard 4	Zn (213.857 nm)	N/A	0.4000 (ppm)	13807.3205
5/6/2019 16:54:30	Standard 5	Ag (328.068 nm)	N/A	1.0000 (ppm)	74883.3652
5/6/2019 16:54:30	Standard 5	Al (394.401 nm)	N/A	20.0000 (ppm)	340353.6753
5/6/2019 16:54:30	Standard 5	As (188.980 nm)	N/A	2.0000 (ppm)	1393.9410
5/6/2019 16:54:30	Standard 5	B (249.772 nm)	N/A	5.0000 (ppm)	206216.3575
5/6/2019 16:54:30	Standard 5	Ba (230.424 nm)	N/A	20.0000 (ppm)	989267.8077
5/6/2019 16:54:30	Standard 5	Be (313.107 nm)	N/A	0.5000 (ppm)	684864.6645
5/6/2019 16:54:30	Standard 5	Ca (227.547 nm)	N/A	50.0000 (ppm)	3019.5759
5/6/2019 16:54:30	Standard 5	Cd (214.439 nm)	N/A	1.0000 (ppm)	21599.7786
5/6/2019 16:54:30	Standard 5	Co (230.786 nm)	N/A	5.0000 (ppm)	65315.6591
5/6/2019 16:54:30	Standard 5	Cr (267.716 nm)	N/A	1.0000 (ppm)	42752.6424
5/6/2019 16:54:30	Standard 5	Cu (327.395 nm)	N/A	2.5000 (ppm)	163069.2198
5/6/2019 16:54:30	Standard 5	Fe (234.350 nm)	N/A	10.0000 (ppm)	113476.4099
5/6/2019 16:54:30	Standard 5	K (766.491 nm)	N/A	50.0000 (ppm)	181926.6430
5/6/2019 16:54:30	Standard 5	Mg (279.078 nm)	N/A	50.0000 (ppm)	118344.1542
5/6/2019 16:54:30	Standard 5	Mn (257.610 nm)	N/A	1.5000 (ppm)	492515.6520
5/6/2019 16:54:30	Standard 5	Mo (202.032 nm)	N/A	5.0000 (ppm)	29880.3166
5/6/2019 16:54:30	Standard 5	Na (588.995 nm)	N/A	50.0000 (ppm)	2279180.6324
5/6/2019 16:54:30	Standard 5	Ni (230.299 nm)	N/A	4.0000 (ppm)	42224.9761
5/6/2019 16:54:30	Standard 5	Pb (220.353 nm)	N/A	1.0000 (ppm)	2991.1179
5/6/2019 16:54:30	Standard 5	Sb (217.582 nm)	N/A	10.0000 (ppm)	11840.6521
5/6/2019 16:54:30	Standard 5	Se (196.026 nm)	N/A	1.0000 (ppm)	505.9267
5/6/2019 16:54:30	Standard 5	Sn (189.925 nm)	N/A	10.0000 (ppm)	7571.8967
5/6/2019 16:54:30	Standard 5	Sr (216.596 nm)	N/A	5.0000 (ppm)	53458.3716
5/6/2019 16:54:30	Standard 5	Ti (336.122 nm)	N/A	5.0000 (ppm)	1258035.8317
5/6/2019 16:54:30	Standard 5	Tl (351.923 nm)	N/A	2.0000 (ppm)	5737.5987
5/6/2019 16:54:30	Standard 5	V (292.401 nm)	N/A	5.0000 (ppm)	163394.0098
5/6/2019 16:54:30	Standard 5	Y (360.074 nm)	0.34	0.95 (Ratio)	885510.23
5/6/2019 16:54:30	Standard 5	Y_R (360.074 nm)	0.34	0.95 (Ratio)	884232.00
5/6/2019 16:54:30	Standard 5	Zn (213.857 nm)	N/A	2.0000 (ppm)	70053.2284
5/6/2019 16:58:20	Initial Calibration Verification	Ag (328.068 nm)	0.19	0.4953 (ppm)	36986.2809
5/6/2019 16:58:20	Initial Calibration Verification	Al (394.401 nm)	0.22	9.8177 (ppm)	166770.9503
5/6/2019 16:58:20	Initial Calibration Verification	As (188.980 nm)	0.72	0.9598 (ppm)	667.5046
5/6/2019 16:58:20	Initial Calibration Verification	B (249.772 nm)	0.16	2.4489 (ppm)	100914.1077
5/6/2019 16:58:20	Initial Calibration Verification	Ba (230.424 nm)	0.34	10.2295 (ppm)	506649.9100
5/6/2019 16:58:20	Initial Calibration Verification	Be (313.107 nm)	0.21	0.2515 (ppm)	344244.8349
5/6/2019 16:58:20	Initial Calibration Verification	Ca (227.547 nm)	0.41	24.9530 (ppm)	1505.3035
5/6/2019 16:58:20	Initial Calibration Verification	Cd (214.439 nm)	0.22	0.4829 (ppm)	10437.6765
5/6/2019 16:58:20	Initial Calibration Verification	Co (230.786 nm)	0.07	2.5790 (ppm)	33706.1945
5/6/2019 16:58:20	Initial Calibration Verification	Cr (267.716 nm)	0.10	0.5001 (ppm)	21386.0535
5/6/2019 16:58:20	Initial Calibration Verification	Cu (327.395 nm)	0.39	1.2343 (ppm)	80435.3029
5/6/2019 16:58:20	Initial Calibration Verification	Fe (234.350 nm)	0.05	4.8431 (ppm)	54995.5835
5/6/2019 16:58:20	Initial Calibration Verification	K (766.491 nm)	0.48	25.2938 (ppm)	91819.8554
5/6/2019 16:58:20	Initial Calibration Verification	Mg (279.078 nm)	0.08	24.6619 (ppm)	58345.1611
5/6/2019 16:58:20	Initial Calibration Verification	Mn (257.610 nm)	0.05	0.7446 (ppm)	244607.9729
5/6/2019 16:58:20	Initial Calibration Verification	Mo (202.032 nm)	0.09	2.4169 (ppm)	14441.6130
5/6/2019 16:58:20	Initial Calibration Verification	Na (588.995 nm)	0.46	25.4671 (ppm)	1156411.1424
5/6/2019 16:58:20	Initial Calibration Verification	Ni (230.299 nm)	0.06	1.9584 (ppm)	20680.9678
5/6/2019 16:58:20	Initial Calibration Verification	Pb (220.353 nm)	0.30	0.4953 (ppm)	1484.1313

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 16:58:20	Initial Calibration Verification	Sb (217.582 nm)	0.46	4.8092 (ppm)	5690.9996
5/6/2019 16:58:20	Initial Calibration Verification	Se (196.026 nm)	1.53	0.4811 (ppm)	245.0278
5/6/2019 16:58:20	Initial Calibration Verification	Sn (189.925 nm)	0.36	4.8989 (ppm)	3709.0791
5/6/2019 16:58:20	Initial Calibration Verification	Sr (216.596 nm)	0.30	2.4777 (ppm)	26500.3658
5/6/2019 16:58:20	Initial Calibration Verification	Ti (336.122 nm)	0.21	2.5096 (ppm)	631345.4669
5/6/2019 16:58:20	Initial Calibration Verification	Tl (351.923 nm)	0.32	1.0255 (ppm)	2935.7227
5/6/2019 16:58:20	Initial Calibration Verification	V (292.401 nm)	0.16	2.5413 (ppm)	83041.0555
5/6/2019 16:58:20	Initial Calibration Verification	Y (360.074 nm)	0.65	0.95 (Ratio)	888101.34
5/6/2019 16:58:20	Initial Calibration Verification	Y_R (360.074 nm)	0.65	0.95 (Ratio)	886673.66
5/6/2019 16:58:20	Initial Calibration Verification	Zn (213.857 nm)	0.08	0.9632 (ppm)	33712.8179
5/6/2019 17:01:39	Initial Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-145.1169
5/6/2019 17:01:39	Initial Calibration Blank	Al (394.401 nm)	> 100.00	0.0003 u (ppm)	195.1936
5/6/2019 17:01:39	Initial Calibration Blank	As (188.980 nm)	15.40	0.0039 (ppm)	0.8964
5/6/2019 17:01:39	Initial Calibration Blank	B (249.772 nm)	14.97	0.0018 (ppm)	133.9341
5/6/2019 17:01:39	Initial Calibration Blank	Ba (230.424 nm)	8.49	0.0007 (ppm)	41.0679
5/6/2019 17:01:39	Initial Calibration Blank	Be (313.107 nm)	29.77	0.0000 (ppm)	-291.9511
5/6/2019 17:01:39	Initial Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0126 u (ppm)	1.2697
5/6/2019 17:01:39	Initial Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.4456
5/6/2019 17:01:39	Initial Calibration Blank	Co (230.786 nm)	25.02	0.0003 (ppm)	0.1586
5/6/2019 17:01:39	Initial Calibration Blank	Cr (267.716 nm)	23.59	-0.0002 u (ppm)	6.3229
5/6/2019 17:01:39	Initial Calibration Blank	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	13.5986
5/6/2019 17:01:39	Initial Calibration Blank	Fe (234.350 nm)	22.71	0.0014 (ppm)	36.6030
5/6/2019 17:01:39	Initial Calibration Blank	K (766.491 nm)	5.98	0.0313 (ppm)	15.0562
5/6/2019 17:01:39	Initial Calibration Blank	Mg (279.078 nm)	> 100.00	0.0002 u (ppm)	6.8186
5/6/2019 17:01:39	Initial Calibration Blank	Mn (257.610 nm)	22.88	0.0001 (ppm)	38.0529
5/6/2019 17:01:39	Initial Calibration Blank	Mo (202.032 nm)	21.99	0.0035 (ppm)	24.0843
5/6/2019 17:01:39	Initial Calibration Blank	Na (588.995 nm)	> 100.00	-0.0005 u (ppm)	-9150.5671
5/6/2019 17:01:39	Initial Calibration Blank	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-16.1763
5/6/2019 17:01:39	Initial Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0007 u (ppm)	0.8735
5/6/2019 17:01:39	Initial Calibration Blank	Sb (217.582 nm)	76.73	0.0023 (ppm)	1.1451
5/6/2019 17:01:39	Initial Calibration Blank	Se (196.026 nm)	> 100.00	0.0022 (ppm)	5.0943
5/6/2019 17:01:39	Initial Calibration Blank	Sn (189.925 nm)	89.21	0.0023 (ppm)	-0.5260
5/6/2019 17:01:39	Initial Calibration Blank	Sr (216.596 nm)	47.71	0.0005 (ppm)	3.9312
5/6/2019 17:01:39	Initial Calibration Blank	Ti (336.122 nm)	19.43	0.0018 (ppm)	336.5298
5/6/2019 17:01:39	Initial Calibration Blank	Tl (351.923 nm)	31.06	0.0036 (ppm)	3.7310
5/6/2019 17:01:39	Initial Calibration Blank	V (292.401 nm)	37.16	0.0002 (ppm)	51.0113
5/6/2019 17:01:39	Initial Calibration Blank	Y (360.074 nm)	0.46	1.00 (Ratio)	930165.01
5/6/2019 17:01:39	Initial Calibration Blank	Y_R (360.074 nm)	0.46	1.00 (Ratio)	928319.90
5/6/2019 17:01:39	Initial Calibration Blank	Zn (213.857 nm)	31.44	0.0001 (ppm)	-10.2700
5/6/2019 17:04:58	Contract Required Detection Limit	Ag (328.068 nm)	0.54	0.0099 (ppm)	595.6637
5/6/2019 17:04:58	Contract Required Detection Limit	Al (394.401 nm)	0.18	0.1837 (ppm)	3307.2932
5/6/2019 17:04:58	Contract Required Detection Limit	As (188.980 nm)	3.92	0.0204 (ppm)	12.4685
5/6/2019 17:04:58	Contract Required Detection Limit	B (249.772 nm)	0.12	0.1836 (ppm)	7620.7589
5/6/2019 17:04:58	Contract Required Detection Limit	Ba (230.424 nm)	0.31	0.2102 (ppm)	10413.3313
5/6/2019 17:04:58	Contract Required Detection Limit	Be (313.107 nm)	0.02	0.0048 (ppm)	6319.6688
5/6/2019 17:04:58	Contract Required Detection Limit	Ca (227.547 nm)	2.79	0.9488 (ppm)	59.1889
5/6/2019 17:04:58	Contract Required Detection Limit	Cd (214.439 nm)	1.65	0.0098 (ppm)	218.2017
5/6/2019 17:04:58	Contract Required Detection Limit	Co (230.786 nm)	0.35	0.0514 (ppm)	667.8558
5/6/2019 17:04:58	Contract Required Detection Limit	Cr (267.716 nm)	0.94	0.0100 (ppm)	439.5292
5/6/2019 17:04:58	Contract Required Detection Limit	Cu (327.395 nm)	0.05	0.0251 (ppm)	1642.8218
5/6/2019 17:04:58	Contract Required Detection Limit	Fe (234.350 nm)	0.60	0.1048 (ppm)	1210.7242

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:04:58	Contract Required Detection Limit	K (766.491 nm)	0.97	0.9351 (ppm)	3299.3623
5/6/2019 17:04:58	Contract Required Detection Limit	Mg (279.078 nm)	0.23	0.9684 (ppm)	2297.2124
5/6/2019 17:04:58	Contract Required Detection Limit	Mn (257.610 nm)	0.25	0.0156 (ppm)	5142.8328
5/6/2019 17:04:58	Contract Required Detection Limit	Mo (202.032 nm)	2.47	0.0260 (ppm)	158.5533
5/6/2019 17:04:58	Contract Required Detection Limit	Na (588.995 nm)	0.55	1.0105 (ppm)	37121.5450
5/6/2019 17:04:58	Contract Required Detection Limit	Ni (230.299 nm)	0.19	0.0405 (ppm)	413.5449
5/6/2019 17:04:58	Contract Required Detection Limit	Pb (220.353 nm)	7.46	0.0092 (ppm)	30.6719
5/6/2019 17:04:58	Contract Required Detection Limit	Sb (217.582 nm)	1.54	0.0592 (ppm)	68.5195
5/6/2019 17:04:58	Contract Required Detection Limit	Se (196.026 nm)	25.67	0.0124 R (ppm) 1241.	10.2310 R
5/6/2019 17:04:58	Contract Required Detection Limit	Sn (189.925 nm)	0.49	0.4902 (ppm)	369.0885
5/6/2019 17:04:58	Contract Required Detection Limit	Sr (216.596 nm)	0.90	0.1006 (ppm)	1074.2910
5/6/2019 17:04:58	Contract Required Detection Limit	Ti (336.122 nm)	0.06	0.0514 (ppm)	12830.7086
5/6/2019 17:04:58	Contract Required Detection Limit	Ti (351.923 nm)	5.12	0.0193 (ppm)	48.6667
5/6/2019 17:04:58	Contract Required Detection Limit	V (292.401 nm)	0.08	0.0502 (ppm)	1684.0979
5/6/2019 17:04:58	Contract Required Detection Limit	Y (360.074 nm)	0.48	1.00 (Ratio)	933158.01
5/6/2019 17:04:58	Contract Required Detection Limit	Y_R (360.074 nm)	0.48	1.00 (Ratio)	931283.82
5/6/2019 17:04:58	Contract Required Detection Limit	Zn (213.857 nm)	1.25	0.0195 (ppm)	669.9893
5/6/2019 17:08:18	Interference Check Solution A	Ag (328.068 nm)	76.15	0.0001 (ppm)	-137.6653
5/6/2019 17:08:18	Interference Check Solution A	Al (394.401 nm)	0.20	268.3407 o (ppm)	4553203.9057
5/6/2019 17:08:18	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-2.1561
5/6/2019 17:08:18	Interference Check Solution A	B (249.772 nm)	0.40	0.0474 (ppm)	2014.4184
5/6/2019 17:08:18	Interference Check Solution A	Ba (230.424 nm)	4.47	0.0006 (ppm)	32.8268
5/6/2019 17:08:18	Interference Check Solution A	Be (313.107 nm)	7.84	0.0000 u (ppm)	-377.7339
5/6/2019 17:08:18	Interference Check Solution A	Ca (227.547 nm)	0.19	271.3841 o (ppm)	16351.3379
5/6/2019 17:08:18	Interference Check Solution A	Cd (214.439 nm)	82.23	-0.0004 u (ppm)	-1.4436
5/6/2019 17:08:18	Interference Check Solution A	Co (230.786 nm)	9.50	-0.0029 u (ppm)	-41.9383
5/6/2019 17:08:18	Interference Check Solution A	Cr (267.716 nm)	13.42	0.0009 (ppm)	50.1526
5/6/2019 17:08:18	Interference Check Solution A	Cu (327.395 nm)	35.39	-0.0002 u (ppm)	-5.0443
5/6/2019 17:08:18	Interference Check Solution A	Fe (234.350 nm)	0.27	89.9863 o (ppm)	1021459.5864
5/6/2019 17:08:18	Interference Check Solution A	K (766.491 nm)	15.02	0.0149 (ppm)	-44.8034
5/6/2019 17:08:18	Interference Check Solution A	Mg (279.078 nm)	0.65	258.2509 o (ppm)	610910.8979
5/6/2019 17:08:18	Interference Check Solution A	Mn (257.610 nm)	1.30	0.0020 (ppm)	659.8349
5/6/2019 17:08:18	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	3.9777
5/6/2019 17:08:18	Interference Check Solution A	Na (588.995 nm)	9.20	-0.0194 u (ppm)	-10013.4611
5/6/2019 17:08:18	Interference Check Solution A	Ni (230.299 nm)	64.15	-0.0012 u (ppm)	-27.6432
5/6/2019 17:08:18	Interference Check Solution A	Pb (220.353 nm)	74.39	-0.0028 u (ppm)	-5.3985
5/6/2019 17:08:18	Interference Check Solution A	Sb (217.582 nm)	> 100.00	-0.0027 u (ppm)	-4.7839
5/6/2019 17:08:18	Interference Check Solution A	Se (196.026 nm)	43.64	-0.0070 u (ppm)	0.4802
5/6/2019 17:08:18	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0001 u (ppm)	-2.1900
5/6/2019 17:08:18	Interference Check Solution A	Sr (216.596 nm)	1.03	0.0182 (ppm)	193.7265
5/6/2019 17:08:18	Interference Check Solution A	Ti (336.122 nm)	2.73	0.0017 (ppm)	327.7124
5/6/2019 17:08:18	Interference Check Solution A	Ti (351.923 nm)	36.06	0.0075 (ppm)	14.6951
5/6/2019 17:08:18	Interference Check Solution A	V (292.401 nm)	9.35	0.0015 (ppm)	92.5371
5/6/2019 17:08:18	Interference Check Solution A	Y (360.074 nm)	0.44	0.87 (Ratio)	814401.83
5/6/2019 17:08:18	Interference Check Solution A	Y_R (360.074 nm)	0.43	0.87 (Ratio)	813001.12
5/6/2019 17:08:18	Interference Check Solution A	Zn (213.857 nm)	0.14	0.0110 K (ppm)	373.7843 K
5/6/2019 17:11:37	Interference Check Solution AB	Ag (328.068 nm)	0.17	0.2138 (ppm)	15882.2796
5/6/2019 17:11:37	Interference Check Solution AB	Al (394.401 nm)	0.16	269.0790 o (ppm)	4565730.3750
5/6/2019 17:11:37	Interference Check Solution AB	As (188.980 nm)	3.36	0.0967 (ppm)	65.6222
5/6/2019 17:11:37	Interference Check Solution AB	B (249.772 nm)	0.95	0.0460 (ppm)	1954.8026
5/6/2019 17:11:37	Interference Check Solution AB	Ba (230.424 nm)	0.15	0.5259 (ppm)	26049.9253

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:11:37	Interference Check Solution AB	Be (313.107 nm)	0.43	0.4946 (ppm)	677229.8727
5/6/2019 17:11:37	Interference Check Solution AB	Ca (227.547 nm)	0.23	272.0199 o (ppm)	16389.6412
5/6/2019 17:11:37	Interference Check Solution AB	Cd (214.439 nm)	0.33	0.9483 (ppm)	20492.5679
5/6/2019 17:11:37	Interference Check Solution AB	Co (230.786 nm)	0.47	0.4833 (ppm)	6313.0923
5/6/2019 17:11:37	Interference Check Solution AB	Cr (267.716 nm)	0.24	0.5001 (ppm)	21384.8906
5/6/2019 17:11:37	Interference Check Solution AB	Cu (327.395 nm)	0.22	0.5296 (ppm)	34514.7401
5/6/2019 17:11:37	Interference Check Solution AB	Fe (234.350 nm)	0.25	90.4232 o (ppm)	1026418.8253
5/6/2019 17:11:37	Interference Check Solution AB	K (766.491 nm)	> 100.00	0.0002 u (ppm)	-97.9804
5/6/2019 17:11:37	Interference Check Solution AB	Mg (279.078 nm)	0.36	259.5985 o (ppm)	614098.8537
5/6/2019 17:11:37	Interference Check Solution AB	Mn (257.610 nm)	0.32	0.4970 (ppm)	163280.2225
5/6/2019 17:11:37	Interference Check Solution AB	Mo (202.032 nm)	3.43	0.0013 (ppm)	10.9822
5/6/2019 17:11:37	Interference Check Solution AB	Na (588.995 nm)	7.20	-0.0173 u (ppm)	-9918.9822
5/6/2019 17:11:37	Interference Check Solution AB	Ni (230.299 nm)	0.21	0.9457 (ppm)	9978.6906
5/6/2019 17:11:37	Interference Check Solution AB	Pb (220.353 nm)	3.48	0.0450 (ppm)	137.5947
5/6/2019 17:11:37	Interference Check Solution AB	Sb (217.582 nm)	0.30	0.6053 (ppm)	714.9209
5/6/2019 17:11:37	Interference Check Solution AB	Se (196.026 nm)	17.35	0.0474 (ppm)	27.7598
5/6/2019 17:11:37	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0019 u (ppm)	-0.7881
5/6/2019 17:11:37	Interference Check Solution AB	Sr (216.596 nm)	1.01	0.0186 (ppm)	197.5675
5/6/2019 17:11:37	Interference Check Solution AB	Ti (336.122 nm)	1.41	0.0017 (ppm)	312.6164
5/6/2019 17:11:37	Interference Check Solution AB	Tl (351.923 nm)	5.22	0.1188 (ppm)	334.1601
5/6/2019 17:11:37	Interference Check Solution AB	V (292.401 nm)	0.36	0.5092 (ppm)	16675.3696
5/6/2019 17:11:37	Interference Check Solution AB	Y (360.074 nm)	0.35	0.88 (Ratio)	816890.03
5/6/2019 17:11:37	Interference Check Solution AB	Y_R (360.074 nm)	0.36	0.88 (Ratio)	815422.82
5/6/2019 17:11:37	Interference Check Solution AB	Zn (213.857 nm)	0.17	1.0044 (ppm)	35155.1355
5/6/2019 17:14:56	Continuing Calibration Verification	Ag (328.068 nm)	0.16	0.4937 (ppm)	36867.9666
5/6/2019 17:14:56	Continuing Calibration Verification	Al (394.401 nm)	0.18	9.7629 (ppm)	165841.3016
5/6/2019 17:14:56	Continuing Calibration Verification	As (188.980 nm)	0.78	0.9633 (ppm)	670.0413
5/6/2019 17:14:56	Continuing Calibration Verification	B (249.772 nm)	0.18	2.4294 (ppm)	100114.8178
5/6/2019 17:14:56	Continuing Calibration Verification	Ba (230.424 nm)	0.21	10.2560 (ppm)	507958.2499
5/6/2019 17:14:56	Continuing Calibration Verification	Be (313.107 nm)	0.21	0.2510 (ppm)	343570.3911
5/6/2019 17:14:56	Continuing Calibration Verification	Ca (227.547 nm)	0.56	24.6508 (ppm)	1487.0949
5/6/2019 17:14:56	Continuing Calibration Verification	Cd (214.439 nm)	0.25	0.4846 (ppm)	10475.3378
5/6/2019 17:14:56	Continuing Calibration Verification	Co (230.786 nm)	0.22	2.5813 (ppm)	33736.0756
5/6/2019 17:14:56	Continuing Calibration Verification	Cr (267.716 nm)	0.22	0.5011 (ppm)	21429.3656
5/6/2019 17:14:56	Continuing Calibration Verification	Cu (327.395 nm)	0.02	1.2246 (ppm)	79798.3867
5/6/2019 17:14:56	Continuing Calibration Verification	Fe (234.350 nm)	0.24	4.8686 (ppm)	55284.9445
5/6/2019 17:14:56	Continuing Calibration Verification	K (766.491 nm)	0.50	24.9157 (ppm)	90445.7691
5/6/2019 17:14:56	Continuing Calibration Verification	Mg (279.078 nm)	0.16	24.7636 (ppm)	58585.9269
5/6/2019 17:14:56	Continuing Calibration Verification	Mn (257.610 nm)	0.23	0.7451 (ppm)	244746.8639
5/6/2019 17:14:56	Continuing Calibration Verification	Mo (202.032 nm)	0.41	2.4175 (ppm)	14445.0498
5/6/2019 17:14:56	Continuing Calibration Verification	Na (588.995 nm)	0.42	25.0974 (ppm)	1139490.5281
5/6/2019 17:14:56	Continuing Calibration Verification	Ni (230.299 nm)	0.18	1.9642 (ppm)	20742.3656
5/6/2019 17:14:56	Continuing Calibration Verification	Pb (220.353 nm)	0.44	0.4934 (ppm)	1478.2473
5/6/2019 17:14:56	Continuing Calibration Verification	Sb (217.582 nm)	0.03	4.7787 (ppm)	5654.9177
5/6/2019 17:14:56	Continuing Calibration Verification	Se (196.026 nm)	0.80	0.4709 (ppm)	239.9430
5/6/2019 17:14:56	Continuing Calibration Verification	Sn (189.925 nm)	0.09	4.9019 (ppm)	3711.3493
5/6/2019 17:14:56	Continuing Calibration Verification	Sr (216.596 nm)	0.30	2.5001 (ppm)	26739.9749
5/6/2019 17:14:56	Continuing Calibration Verification	Ti (336.122 nm)	0.09	2.5015 (ppm)	629329.3204
5/6/2019 17:14:56	Continuing Calibration Verification	Tl (351.923 nm)	0.27	1.0204 (ppm)	2921.1993
5/6/2019 17:14:56	Continuing Calibration Verification	V (292.401 nm)	0.22	2.5418 (ppm)	83055.9423
5/6/2019 17:14:56	Continuing Calibration Verification	Y (360.074 nm)	0.51	0.96 (Ratio)	894369.00

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:14:56	Continuing Calibration Verification	Y_R (360.074 nm)	0.50	0.96 (Ratio)	892543.01
5/6/2019 17:14:56	Continuing Calibration Verification	Zn (213.857 nm)	0.14	0.9640 (ppm)	33741.5771
5/6/2019 17:18:16	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-152.2703
5/6/2019 17:18:16	Continuing Calibration Blank	Al (394.401 nm)	17.38	0.0048 (ppm)	271.5150
5/6/2019 17:18:16	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0003 u (ppm)	-1.5744
5/6/2019 17:18:16	Continuing Calibration Blank	B (249.772 nm)	4.98	0.0008 (ppm)	94.7102
5/6/2019 17:18:16	Continuing Calibration Blank	Ba (230.424 nm)	11.47	0.0005 (ppm)	30.7612
5/6/2019 17:18:16	Continuing Calibration Blank	Be (313.107 nm)	23.44	0.0000 (ppm)	-280.8545
5/6/2019 17:18:16	Continuing Calibration Blank	Ca (227.547 nm)	60.05	0.0167 (ppm)	3.0342
5/6/2019 17:18:16	Continuing Calibration Blank	Cd (214.439 nm)	77.53	0.0001 (ppm)	9.1463
5/6/2019 17:18:16	Continuing Calibration Blank	Co (230.786 nm)	77.46	0.0003 (ppm)	0.6459
5/6/2019 17:18:16	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	10.6040
5/6/2019 17:18:16	Continuing Calibration Blank	Cu (327.395 nm)	27.10	0.0001 (ppm)	18.9959
5/6/2019 17:18:16	Continuing Calibration Blank	Fe (234.350 nm)	7.56	0.0037 (ppm)	62.8214
5/6/2019 17:18:16	Continuing Calibration Blank	K (766.491 nm)	51.84	0.0044 (ppm)	-82.6980
5/6/2019 17:18:16	Continuing Calibration Blank	Mg (279.078 nm)	14.63	0.0058 (ppm)	20.1780
5/6/2019 17:18:16	Continuing Calibration Blank	Mn (257.610 nm)	14.09	0.0001 (ppm)	38.3812
5/6/2019 17:18:16	Continuing Calibration Blank	Mo (202.032 nm)	6.57	0.0024 (ppm)	17.6813
5/6/2019 17:18:16	Continuing Calibration Blank	Na (588.995 nm)	31.52	-0.0032 u (ppm)	-9272.3817
5/6/2019 17:18:16	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-13.5374
5/6/2019 17:18:16	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0010 u (ppm)	0.1218
5/6/2019 17:18:16	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-1.6028
5/6/2019 17:18:16	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0014 u (ppm)	4.7029
5/6/2019 17:18:16	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	-0.0006 u (ppm)	-2.6956
5/6/2019 17:18:16	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	-0.3460
5/6/2019 17:18:16	Continuing Calibration Blank	Ti (336.122 nm)	27.56	0.0013 (ppm)	212.2114
5/6/2019 17:18:16	Continuing Calibration Blank	Tl (351.923 nm)	59.27	0.0025 (ppm)	0.5823
5/6/2019 17:18:16	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0001 u (ppm)	47.3467
5/6/2019 17:18:16	Continuing Calibration Blank	Y (360.074 nm)	0.45	1.01 (Ratio)	937723.95
5/6/2019 17:18:16	Continuing Calibration Blank	Y_R (360.074 nm)	0.45	1.01 (Ratio)	935543.81
5/6/2019 17:18:16	Continuing Calibration Blank	Zn (213.857 nm)	21.97	0.0003 (ppm)	-1.6221
5/6/2019 17:21:35	PBW-335866	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-153.0065
5/6/2019 17:21:35	PBW-335866	Al (394.401 nm)	4.25	0.0079 (ppm)	324.3199
5/6/2019 17:21:35	PBW-335866	As (188.980 nm)	> 100.00	0.0021 (ppm)	-0.3315
5/6/2019 17:21:35	PBW-335866	B (249.772 nm)	21.09	0.0004 (ppm)	78.3809
5/6/2019 17:21:35	PBW-335866	Ba (230.424 nm)	> 100.00	0.0001 u (ppm)	7.6709
5/6/2019 17:21:35	PBW-335866	Be (313.107 nm)	48.57	0.0000 (ppm)	-300.6387
5/6/2019 17:21:35	PBW-335866	Ca (227.547 nm)	> 100.00	0.0169 u (ppm)	3.0438
5/6/2019 17:21:35	PBW-335866	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.0476
5/6/2019 17:21:35	PBW-335866	Co (230.786 nm)	34.26	0.0001 (ppm)	-2.0043
5/6/2019 17:21:35	PBW-335866	Cr (267.716 nm)	97.43	-0.0002 u (ppm)	3.5475
5/6/2019 17:21:35	PBW-335866	Cu (327.395 nm)	18.25	0.0004 (ppm)	37.0526
5/6/2019 17:21:35	PBW-335866	Fe (234.350 nm)	4.92	0.0041 (ppm)	67.5931
5/6/2019 17:21:35	PBW-335866	K (766.491 nm)	1.65	0.3122 (ppm)	1035.6182
5/6/2019 17:21:35	PBW-335866	Mg (279.078 nm)	97.52	0.0023 u (ppm)	11.8424
5/6/2019 17:21:35	PBW-335866	Mn (257.610 nm)	20.14	0.0001 (ppm)	47.4128
5/6/2019 17:21:35	PBW-335866	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	3.6248
5/6/2019 17:21:35	PBW-335866	Na (588.995 nm)	0.65	0.0519 (ppm)	-6754.7762
5/6/2019 17:21:35	PBW-335866	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-14.8492
5/6/2019 17:21:35	PBW-335866	Pb (220.353 nm)	> 100.00	-0.0006 u (ppm)	1.2547
5/6/2019 17:21:35	PBW-335866	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-1.5955

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:21:35	PBW-335866	Se (196.026 nm)	97.77	-0.0028 u (ppm)	2.5942
5/6/2019 17:21:35	PBW-335866	Sn (189.925 nm)	46.84	0.0026 (ppm)	-0.2994
5/6/2019 17:21:35	PBW-335866	Sr (216.596 nm)	> 100.00	-0.0002 u (ppm)	-2.9063
5/6/2019 17:21:35	PBW-335866	Ti (336.122 nm)	2.75	0.0010 (ppm)	136.4977
5/6/2019 17:21:35	PBW-335866	Tl (351.923 nm)	62.23	0.0022 (ppm)	-0.3043
5/6/2019 17:21:35	PBW-335866	V (292.401 nm)	51.56	-0.0001 u (ppm)	39.6340
5/6/2019 17:21:35	PBW-335866	Y (360.074 nm)	0.29	1.04 (Ratio)	967270.18
5/6/2019 17:21:35	PBW-335866	Y_R (360.074 nm)	0.29	1.04 (Ratio)	965031.92
5/6/2019 17:21:35	PBW-335866	Zn (213.857 nm)	0.12	0.0103 (ppm)	346.1776
5/6/2019 17:24:54	LCSW-335866	Ag (328.068 nm)	0.20	0.0502 (ppm)	3614.7604
5/6/2019 17:24:54	LCSW-335866	Al (394.401 nm)	0.08	1.9269 (ppm)	32884.5790
5/6/2019 17:24:54	LCSW-335866	As (188.980 nm)	13.74	0.0381 (ppm)	24.8059
5/6/2019 17:24:54	LCSW-335866	B (249.772 nm)	0.23	0.9994 (ppm)	41220.0862
5/6/2019 17:24:54	LCSW-335866	Ba (230.424 nm)	0.10	2.0932 (ppm)	103675.4879
5/6/2019 17:24:54	LCSW-335866	Be (313.107 nm)	0.26	0.0499 (ppm)	68005.7521
5/6/2019 17:24:54	LCSW-335866	Ca (227.547 nm)	1.12	1.9201 (ppm)	117.7017
5/6/2019 17:24:54	LCSW-335866	Cd (214.439 nm)	0.83	0.0504 (ppm)	1094.7748
5/6/2019 17:24:54	LCSW-335866	Co (230.786 nm)	0.16	0.5179 (ppm)	6766.0254
5/6/2019 17:24:54	LCSW-335866	Cr (267.716 nm)	0.30	0.2039 (ppm)	8728.3440
5/6/2019 17:24:54	LCSW-335866	Cu (327.395 nm)	0.40	0.2517 (ppm)	16408.1481
5/6/2019 17:24:54	LCSW-335866	Fe (234.350 nm)	0.11	0.9897 (ppm)	11254.8520
5/6/2019 17:24:54	LCSW-335866	K (766.491 nm)	0.04	19.8027 (ppm)	71865.1731
5/6/2019 17:24:54	LCSW-335866	Mg (279.078 nm)	0.15	1.9985 (ppm)	4733.8813
5/6/2019 17:24:54	LCSW-335866	Mn (257.610 nm)	0.14	0.5040 (ppm)	16555.4812
5/6/2019 17:24:54	LCSW-335866	Mo (202.032 nm)	0.53	0.4973 (ppm)	2974.1297
5/6/2019 17:24:54	LCSW-335866	Na (588.995 nm)	0.52	19.9508 (ppm)	903949.4749
5/6/2019 17:24:54	LCSW-335866	Ni (230.299 nm)	0.09	0.5027 (ppm)	5297.9576
5/6/2019 17:24:54	LCSW-335866	Pb (220.353 nm)	0.33	0.5156 (ppm)	1544.5541
5/6/2019 17:24:54	LCSW-335866	Sb (217.582 nm)	0.50	0.4759 (ppm)	561.7373
5/6/2019 17:24:54	LCSW-335866	Se (196.026 nm)	0.23	1.0106 (ppm)	510.3274
5/6/2019 17:24:54	LCSW-335866	Sn (189.925 nm)	0.29	4.9459 (ppm)	3744.7189
5/6/2019 17:24:54	LCSW-335866	Sr (216.596 nm)	0.29	2.0296 (ppm)	21707.6389
5/6/2019 17:24:54	LCSW-335866	Ti (336.122 nm)	0.17	0.5107 (ppm)	128391.0632
5/6/2019 17:24:54	LCSW-335866	Tl (351.923 nm)	0.33	1.9722 (ppm)	5652.1388
5/6/2019 17:24:54	LCSW-335866	V (292.401 nm)	0.24	0.4987 (ppm)	16331.7231
5/6/2019 17:24:54	LCSW-335866	Y (360.074 nm)	0.30	1.01 (Ratio)	935961.41
5/6/2019 17:24:54	LCSW-335866	Y_R (360.074 nm)	0.30	1.01 (Ratio)	933971.78
5/6/2019 17:24:54	LCSW-335866	Zn (213.857 nm)	0.18	0.5082 (ppm)	17782.1410
5/6/2019 17:28:14	R1903882-003 10X	Ag (328.068 nm)	97.91	-0.0001 u (ppm)	-156.2528
5/6/2019 17:28:14	R1903882-003 10X	Al (394.401 nm)	4.67	0.0117 (ppm)	389.1433
5/6/2019 17:28:14	R1903882-003 10X	As (188.980 nm)	> 100.00	0.0022 u (ppm)	-0.2878
5/6/2019 17:28:14	R1903882-003 10X	B (249.772 nm)	0.04	1.2220 (ppm)	50386.7088
5/6/2019 17:28:14	R1903882-003 10X	Ba (230.424 nm)	1.76	0.0162 (ppm)	807.1033
5/6/2019 17:28:14	R1903882-003 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-302.8688
5/6/2019 17:28:14	R1903882-003 10X	Ca (227.547 nm)	0.70	18.7982 (ppm)	1134.5103
5/6/2019 17:28:14	R1903882-003 10X	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	5.6410
5/6/2019 17:28:14	R1903882-003 10X	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.4243
5/6/2019 17:28:14	R1903882-003 10X	Cr (267.716 nm)	66.14	0.0003 (ppm)	24.4741
5/6/2019 17:28:14	R1903882-003 10X	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	14.6546
5/6/2019 17:28:14	R1903882-003 10X	Fe (234.350 nm)	0.16	1.0839 (ppm)	12324.4409
5/6/2019 17:28:14	R1903882-003 10X	K (766.491 nm)	0.18	0.1926 (ppm)	601.1827

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:28:14	R1903882-003 10X	Mg (279.078 nm)	0.20	26.9339 (ppm)	63719.7208
5/6/2019 17:28:14	R1903882-003 10X	Mn (257.610 nm)	0.16	0.0102 (ppm)	3372.5253
5/6/2019 17:28:14	R1903882-003 10X	Mo (202.032 nm)	72.60	0.0009 (ppm)	8.5073
5/6/2019 17:28:14	R1903882-003 10X	Na (588.995 nm)	0.40	39.8751 (ppm)	1815816.0104
5/6/2019 17:28:14	R1903882-003 10X	Ni (230.299 nm)	45.05	0.0011 (ppm)	-2.5634
5/6/2019 17:28:14	R1903882-003 10X	Pb (220.353 nm)	14.75	-0.0022 u (ppm)	-3.6118
5/6/2019 17:28:14	R1903882-003 10X	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-1.6032
5/6/2019 17:28:14	R1903882-003 10X	Se (196.026 nm)	> 100.00	0.0019 u (ppm)	4.9758
5/6/2019 17:28:14	R1903882-003 10X	Sn (189.925 nm)	44.61	0.0035 (ppm)	0.4101
5/6/2019 17:28:14	R1903882-003 10X	Sr (216.596 nm)	0.26	0.2327 (ppm)	2487.8289
5/6/2019 17:28:14	R1903882-003 10X	Ti (336.122 nm)	17.06	0.0006 (ppm)	41.4203
5/6/2019 17:28:14	R1903882-003 10X	Ti (351.923 nm)	37.67	0.0052 (ppm)	8.2698
5/6/2019 17:28:14	R1903882-003 10X	V (292.401 nm)	> 100.00	0.0000 u (ppm)	44.5680
5/6/2019 17:28:14	R1903882-003 10X	Y (360.074 nm)	0.36	0.98 (Ratio)	913818.24
5/6/2019 17:28:14	R1903882-003 10X	Y_R (360.074 nm)	0.36	0.98 (Ratio)	911914.02
5/6/2019 17:28:14	R1903882-003 10X	Zn (213.857 nm)	4.96	0.0008 (ppm)	14.7705
5/6/2019 17:31:34	R1903882-004 10X	Ag (328.068 nm)	> 100.00	-0.0002 u (ppm)	-160.7109
5/6/2019 17:31:34	R1903882-004 10X	Al (394.401 nm)	5.20	0.0228 (ppm)	578.0892
5/6/2019 17:31:34	R1903882-004 10X	As (188.980 nm)	> 100.00	-0.0018 u (ppm)	-3.0517
5/6/2019 17:31:34	R1903882-004 10X	B (249.772 nm)	0.22	0.1192 (ppm)	4968.1330
5/6/2019 17:31:34	R1903882-004 10X	Ba (230.424 nm)	2.95	0.0023 (ppm)	118.0061
5/6/2019 17:31:34	R1903882-004 10X	Be (313.107 nm)	31.18	0.0000 (ppm)	-295.7862
5/6/2019 17:31:34	R1903882-004 10X	Ca (227.547 nm)	0.11	88.1635 o (ppm)	5313.3650
5/6/2019 17:31:34	R1903882-004 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	5.9643
5/6/2019 17:31:34	R1903882-004 10X	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-2.3733
5/6/2019 17:31:34	R1903882-004 10X	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	8.8795
5/6/2019 17:31:34	R1903882-004 10X	Cu (327.395 nm)	43.55	-0.0003 u (ppm)	-12.9852
5/6/2019 17:31:34	R1903882-004 10X	Fe (234.350 nm)	0.35	0.1137 (ppm)	1311.2655
5/6/2019 17:31:34	R1903882-004 10X	K (766.491 nm)	0.11	2.6134 (ppm)	9398.3016
5/6/2019 17:31:34	R1903882-004 10X	Mg (279.078 nm)	0.22	12.4600 (ppm)	29481.1870
5/6/2019 17:31:34	R1903882-004 10X	Mn (257.610 nm)	0.29	0.0383 (ppm)	12600.3840
5/6/2019 17:31:34	R1903882-004 10X	Mo (202.032 nm)	57.45	-0.0003 u (ppm)	1.4970
5/6/2019 17:31:34	R1903882-004 10X	Na (588.995 nm)	0.45	48.2359 (ppm)	2198461.8685
5/6/2019 17:31:34	R1903882-004 10X	Ni (230.299 nm)	> 100.00	0.0003 u (ppm)	-12.0119
5/6/2019 17:31:34	R1903882-004 10X	Pb (220.353 nm)	> 100.00	-0.0014 u (ppm)	-1.1760
5/6/2019 17:31:34	R1903882-004 10X	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-1.4431
5/6/2019 17:31:34	R1903882-004 10X	Se (196.026 nm)	> 100.00	-0.0048 u (ppm)	1.5947
5/6/2019 17:31:34	R1903882-004 10X	Sn (189.925 nm)	82.10	0.0013 (ppm)	-1.2826
5/6/2019 17:31:34	R1903882-004 10X	Sr (216.596 nm)	0.74	1.3250 (ppm)	14171.5327
5/6/2019 17:31:34	R1903882-004 10X	Ti (336.122 nm)	5.30	0.0007 (ppm)	57.2430
5/6/2019 17:31:34	R1903882-004 10X	Ti (351.923 nm)	48.88	0.0029 (ppm)	1.7734
5/6/2019 17:31:34	R1903882-004 10X	V (292.401 nm)	4.94	-0.0007 u (ppm)	20.7069
5/6/2019 17:31:34	R1903882-004 10X	Y (360.074 nm)	0.22	0.96 (Ratio)	893900.93
5/6/2019 17:31:34	R1903882-004 10X	Y_R (360.074 nm)	0.22	0.96 (Ratio)	892072.08
5/6/2019 17:31:34	R1903882-004 10X	Zn (213.857 nm)	8.00	0.0008 (ppm)	14.2170
5/6/2019 17:34:54	R1903882-011 10X	Ag (328.068 nm)	47.91	-0.0001 u (ppm)	-158.5519
5/6/2019 17:34:54	R1903882-011 10X	Al (394.401 nm)	3.21	0.0172 (ppm)	483.4214
5/6/2019 17:34:54	R1903882-011 10X	As (188.980 nm)	> 100.00	-0.0007 u (ppm)	-2.2948
5/6/2019 17:34:54	R1903882-011 10X	B (249.772 nm)	0.47	0.0532 (ppm)	2250.7806
5/6/2019 17:34:54	R1903882-011 10X	Ba (230.424 nm)	0.97	0.0089 (ppm)	444.4502
5/6/2019 17:34:54	R1903882-011 10X	Be (313.107 nm)	59.02	0.0000 (ppm)	-298.0963

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:34:54	R1903882-011 10X	Ca (227.547 nm)	0.15	30.6821 (ppm)	1850.4435
5/6/2019 17:34:54	R1903882-011 10X	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	5.6297
5/6/2019 17:34:54	R1903882-011 10X	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-4.1302
5/6/2019 17:34:54	R1903882-011 10X	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	10.8182
5/6/2019 17:34:54	R1903882-011 10X	Cu (327.395 nm)	> 100.00	-0.0002 u (ppm)	-1.8546
5/6/2019 17:34:54	R1903882-011 10X	Fe (234.350 nm)	0.10	0.8675 (ppm)	9868.4717
5/6/2019 17:34:54	R1903882-011 10X	K (766.491 nm)	0.45	2.9881 (ppm)	10760.2585
5/6/2019 17:34:54	R1903882-011 10X	Mg (279.078 nm)	0.08	15.0306 (ppm)	35562.0779
5/6/2019 17:34:54	R1903882-011 10X	Mn (257.610 nm)	0.82	0.0042 (ppm)	1386.8629
5/6/2019 17:34:54	R1903882-011 10X	Mo (202.032 nm)	> 100.00	-0.0006 u (ppm)	-0.4336
5/6/2019 17:34:54	R1903882-011 10X	Na (588.995 nm)	0.39	22.5636 (ppm)	1023527.7985
5/6/2019 17:34:54	R1903882-011 10X	Ni (230.299 nm)	13.26	0.0033 (ppm)	20.2447
5/6/2019 17:34:54	R1903882-011 10X	Pb (220.353 nm)	37.28	-0.0020 u (ppm)	-2.9289
5/6/2019 17:34:54	R1903882-011 10X	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-1.4856
5/6/2019 17:34:54	R1903882-011 10X	Se (196.026 nm)	> 100.00	-0.0023 u (ppm)	2.8447
5/6/2019 17:34:54	R1903882-011 10X	Sn (189.925 nm)	19.05	0.0021 (ppm)	-0.6767
5/6/2019 17:34:54	R1903882-011 10X	Sr (216.596 nm)	1.24	1.1771 (ppm)	12589.3815
5/6/2019 17:34:54	R1903882-011 10X	Ti (336.122 nm)	16.37	0.0004 (ppm)	-1.3968
5/6/2019 17:34:54	R1903882-011 10X	Tl (351.923 nm)	> 100.00	0.0025 u (ppm)	0.3404
5/6/2019 17:34:54	R1903882-011 10X	V (292.401 nm)	40.86	-0.0002 u (ppm)	36.6749
5/6/2019 17:34:54	R1903882-011 10X	Y (360.074 nm)	0.49	0.98 (Ratio)	916655.61
5/6/2019 17:34:54	R1903882-011 10X	Y_R (360.074 nm)	0.49	0.98 (Ratio)	914630.49
5/6/2019 17:34:54	R1903882-011 10X	Zn (213.857 nm)	7.46	0.0006 (ppm)	6.9935
5/6/2019 17:38:13	R1903882-006 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-151.8674
5/6/2019 17:38:13	R1903882-006 10X	Al (394.401 nm)	1.72	0.0315 (ppm)	725.9535
5/6/2019 17:38:13	R1903882-006 10X	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-2.6179
5/6/2019 17:38:13	R1903882-006 10X	B (249.772 nm)	1.14	0.0245 (ppm)	1069.7710
5/6/2019 17:38:13	R1903882-006 10X	Ba (230.424 nm)	3.92	0.0022 (ppm)	111.4278
5/6/2019 17:38:13	R1903882-006 10X	Be (313.107 nm)	19.03	0.0000 (ppm)	-275.6050
5/6/2019 17:38:13	R1903882-006 10X	Ca (227.547 nm)	0.22	69.4562 o (ppm)	4186.3588
5/6/2019 17:38:13	R1903882-006 10X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	8.2848
5/6/2019 17:38:13	R1903882-006 10X	Co (230.786 nm)	82.03	-0.0004 u (ppm)	-8.6088
5/6/2019 17:38:13	R1903882-006 10X	Cr (267.716 nm)	48.06	0.0000 u (ppm)	12.2063
5/6/2019 17:38:13	R1903882-006 10X	Cu (327.395 nm)	6.76	0.0010 (ppm)	76.6576
5/6/2019 17:38:13	R1903882-006 10X	Fe (234.350 nm)	0.08	1.2656 (ppm)	14386.9162
5/6/2019 17:38:13	R1903882-006 10X	K (766.491 nm)	0.52	1.0546 (ppm)	3733.6930
5/6/2019 17:38:13	R1903882-006 10X	Mg (279.078 nm)	0.09	12.6623 (ppm)	29959.6427
5/6/2019 17:38:13	R1903882-006 10X	Mn (257.610 nm)	0.36	0.0090 (ppm)	2973.2116
5/6/2019 17:38:13	R1903882-006 10X	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	2.5140
5/6/2019 17:38:13	R1903882-006 10X	Na (588.995 nm)	0.60	10.6525 (ppm)	478397.6756
5/6/2019 17:38:13	R1903882-006 10X	Ni (230.299 nm)	30.68	0.0016 (ppm)	2.3146
5/6/2019 17:38:13	R1903882-006 10X	Pb (220.353 nm)	92.73	-0.0014 u (ppm)	-1.1980
5/6/2019 17:38:13	R1903882-006 10X	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-2.1773
5/6/2019 17:38:13	R1903882-006 10X	Se (196.026 nm)	74.89	-0.0062 u (ppm)	0.9142
5/6/2019 17:38:13	R1903882-006 10X	Sn (189.925 nm)	92.24	0.0024 (ppm)	-0.4198
5/6/2019 17:38:13	R1903882-006 10X	Sr (216.596 nm)	1.00	1.2226 (ppm)	13076.1547
5/6/2019 17:38:13	R1903882-006 10X	Ti (336.122 nm)	3.88	0.0006 (ppm)	51.2642
5/6/2019 17:38:13	R1903882-006 10X	Tl (351.923 nm)	83.50	0.0040 (ppm)	4.6715
5/6/2019 17:38:13	R1903882-006 10X	V (292.401 nm)	47.21	-0.0004 u (ppm)	29.5764
5/6/2019 17:38:13	R1903882-006 10X	Y (360.074 nm)	0.55	0.99 (Ratio)	918139.05
5/6/2019 17:38:13	R1903882-006 10X	Y_R (360.074 nm)	0.54	0.99 (Ratio)	916115.39

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:38:13	R1903882-006 10X	Zn (213.857 nm)	0.47	0.0053 (ppm)	173.2629
5/6/2019 17:41:33	R1903882-008 10X	Ag (328.068 nm)	40.61	-0.0002 u (ppm)	-162.0751
5/6/2019 17:41:33	R1903882-008 10X	Al (394.401 nm)	0.97	0.0346 (ppm)	778.7103
5/6/2019 17:41:33	R1903882-008 10X	As (188.980 nm)	> 100.00	-0.0008 u (ppm)	-2.3520
5/6/2019 17:41:33	R1903882-008 10X	B (249.772 nm)	0.22	0.1586 (ppm)	6593.4136
5/6/2019 17:41:33	R1903882-008 10X	Ba (230.424 nm)	4.34	0.0015 (ppm)	80.8192
5/6/2019 17:41:33	R1903882-008 10X	Be (313.107 nm)	84.28	0.0000 (ppm)	-298.1778
5/6/2019 17:41:33	R1903882-008 10X	Ca (227.547 nm)	0.07	67.4662 o (ppm)	4066.4765
5/6/2019 17:41:33	R1903882-008 10X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	7.9524
5/6/2019 17:41:33	R1903882-008 10X	Co (230.786 nm)	30.14	0.0003 (ppm)	0.4490
5/6/2019 17:41:33	R1903882-008 10X	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.5815
5/6/2019 17:41:33	R1903882-008 10X	Cu (327.395 nm)	67.36	-0.0002 u (ppm)	-5.7379
5/6/2019 17:41:33	R1903882-008 10X	Fe (234.350 nm)	1.07	0.0766 (ppm)	890.1713
5/6/2019 17:41:33	R1903882-008 10X	K (766.491 nm)	0.52	1.6779 (ppm)	5998.8960
5/6/2019 17:41:33	R1903882-008 10X	Mg (279.078 nm)	0.09	9.5117 (ppm)	22506.8205
5/6/2019 17:41:33	R1903882-008 10X	Mn (257.610 nm)	0.04	0.0174 (ppm)	5748.1193
5/6/2019 17:41:33	R1903882-008 10X	Mo (202.032 nm)	36.90	-0.0005 u (ppm)	0.3448
5/6/2019 17:41:33	R1903882-008 10X	Na (588.995 nm)	0.25	11.0976 (ppm)	498768.5944
5/6/2019 17:41:33	R1903882-008 10X	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-14.4535
5/6/2019 17:41:33	R1903882-008 10X	Pb (220.353 nm)	70.06	-0.0012 u (ppm)	-0.6296
5/6/2019 17:41:33	R1903882-008 10X	Sb (217.582 nm)	> 100.00	0.0013 u (ppm)	-0.0906
5/6/2019 17:41:33	R1903882-008 10X	Se (196.026 nm)	33.73	-0.0077 u (ppm)	0.1473
5/6/2019 17:41:33	R1903882-008 10X	Sn (189.925 nm)	> 100.00	0.0017 u (ppm)	-0.9950
5/6/2019 17:41:33	R1903882-008 10X	Sr (216.596 nm)	0.27	1.1905 (ppm)	12732.7506
5/6/2019 17:41:33	R1903882-008 10X	Ti (336.122 nm)	24.00	0.0007 (ppm)	58.7606
5/6/2019 17:41:33	R1903882-008 10X	Tl (351.923 nm)	> 100.00	0.0008 u (ppm)	-4.5350
5/6/2019 17:41:33	R1903882-008 10X	V (292.401 nm)	37.16	-0.0004 u (ppm)	30.6050
5/6/2019 17:41:33	R1903882-008 10X	Y (360.074 nm)	0.49	0.98 (Ratio)	916139.65
5/6/2019 17:41:33	R1903882-008 10X	Y_R (360.074 nm)	0.48	0.98 (Ratio)	914376.39
5/6/2019 17:41:33	R1903882-008 10X	Zn (213.857 nm)	0.46	0.0013 (ppm)	31.0822
5/6/2019 17:44:53	R1903882-009 10X	Ag (328.068 nm)	79.72	-0.0002 u (ppm)	-160.7100
5/6/2019 17:44:53	R1903882-009 10X	Al (394.401 nm)	0.73	0.0425 (ppm)	912.1487
5/6/2019 17:44:53	R1903882-009 10X	As (188.980 nm)	> 100.00	-0.0016 u (ppm)	-2.8748
5/6/2019 17:44:53	R1903882-009 10X	B (249.772 nm)	0.11	0.3869 (ppm)	15994.8961
5/6/2019 17:44:53	R1903882-009 10X	Ba (230.424 nm)	8.92	0.0012 (ppm)	62.4079
5/6/2019 17:44:53	R1903882-009 10X	Be (313.107 nm)	42.02	0.0000 (ppm)	-293.3369
5/6/2019 17:44:53	R1903882-009 10X	Ca (227.547 nm)	0.10	55.9776 o (ppm)	3374.3529
5/6/2019 17:44:53	R1903882-009 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	6.4070
5/6/2019 17:44:53	R1903882-009 10X	Co (230.786 nm)	97.02	0.0003 (ppm)	0.5304
5/6/2019 17:44:53	R1903882-009 10X	Cr (267.716 nm)	69.55	-0.0001 u (ppm)	9.5050
5/6/2019 17:44:53	R1903882-009 10X	Cu (327.395 nm)	18.40	-0.0002 u (ppm)	-6.0765
5/6/2019 17:44:53	R1903882-009 10X	Fe (234.350 nm)	0.45	0.0710 (ppm)	826.8165
5/6/2019 17:44:53	R1903882-009 10X	K (766.491 nm)	0.06	2.3868 (ppm)	8575.0785
5/6/2019 17:44:53	R1903882-009 10X	Mg (279.078 nm)	0.23	8.4673 (ppm)	20036.1247
5/6/2019 17:44:53	R1903882-009 10X	Mn (257.610 nm)	0.34	0.0140 (ppm)	4614.8834
5/6/2019 17:44:53	R1903882-009 10X	Mo (202.032 nm)	41.63	-0.0006 u (ppm)	-0.1694
5/6/2019 17:44:53	R1903882-009 10X	Na (588.995 nm)	0.13	8.2547 (ppm)	368661.4214
5/6/2019 17:44:53	R1903882-009 10X	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-17.3099
5/6/2019 17:44:53	R1903882-009 10X	Pb (220.353 nm)	64.15	-0.0014 u (ppm)	-1.1788
5/6/2019 17:44:53	R1903882-009 10X	Sb (217.582 nm)	60.83	0.0022 (ppm)	1.0409
5/6/2019 17:44:53	R1903882-009 10X	Se (196.026 nm)	64.76	-0.0090 u (ppm)	-0.4812

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:44:53	R1903882-009 10X	Sn (189.925 nm)	> 100.00	-0.0004 u (ppm)	-2.5351
5/6/2019 17:44:53	R1903882-009 10X	Sr (216.596 nm)	0.51	1.0934 (ppm)	11694.2360
5/6/2019 17:44:53	R1903882-009 10X	Ti (336.122 nm)	4.70	0.0012 (ppm)	206.7184
5/6/2019 17:44:53	R1903882-009 10X	Ti (351.923 nm)	> 100.00	0.0033 u (ppm)	2.7791
5/6/2019 17:44:53	R1903882-009 10X	V (292.401 nm)	12.51	-0.0004 u (ppm)	30.6361
5/6/2019 17:44:53	R1903882-009 10X	Y (360.074 nm)	0.21	0.99 (Ratio)	923331.28
5/6/2019 17:44:53	R1903882-009 10X	Y_R (360.074 nm)	0.21	0.99 (Ratio)	921460.70
5/6/2019 17:44:53	R1903882-009 10X	Zn (213.857 nm)	2.19	0.0010 (ppm)	21.7317
5/6/2019 17:48:13	R1903882-009L 10X	Ag (328.068 nm)	59.94	-0.0001 u (ppm)	-155.6280
5/6/2019 17:48:13	R1903882-009L 10X	Al (394.401 nm)	3.65	0.0108 (ppm)	373.3509
5/6/2019 17:48:13	R1903882-009L 10X	As (188.980 nm)	87.65	0.0016 (ppm)	-0.6560
5/6/2019 17:48:13	R1903882-009L 10X	B (249.772 nm)	0.18	0.0745 (ppm)	3129.3322
5/6/2019 17:48:13	R1903882-009L 10X	Ba (230.424 nm)	20.42	0.0002 (ppm)	16.2350
5/6/2019 17:48:13	R1903882-009L 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-297.9216
5/6/2019 17:48:13	R1903882-009L 10X	Ca (227.547 nm)	0.37	10.6052 (ppm)	640.9303
5/6/2019 17:48:13	R1903882-009L 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	6.3621
5/6/2019 17:48:13	R1903882-009L 10X	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-5.0578
5/6/2019 17:48:13	R1903882-009L 10X	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	8.8627
5/6/2019 17:48:13	R1903882-009L 10X	Cu (327.395 nm)	41.26	-0.0001 u (ppm)	0.7628
5/6/2019 17:48:13	R1903882-009L 10X	Fe (234.350 nm)	0.98	0.0142 (ppm)	182.0423
5/6/2019 17:48:13	R1903882-009L 10X	K (766.491 nm)	1.04	0.4277 (ppm)	1455.5664
5/6/2019 17:48:13	R1903882-009L 10X	Mg (279.078 nm)	0.12	1.6613 (ppm)	3936.2695
5/6/2019 17:48:13	R1903882-009L 10X	Mn (257.610 nm)	0.16	0.0028 (ppm)	948.1849
5/6/2019 17:48:13	R1903882-009L 10X	Mo (202.032 nm)	21.62	-0.0004 u (ppm)	0.9466
5/6/2019 17:48:13	R1903882-009L 10X	Na (588.995 nm)	0.18	1.5919 (ppm)	63727.1024
5/6/2019 17:48:13	R1903882-009L 10X	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-16.5900
5/6/2019 17:48:13	R1903882-009L 10X	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	1.7591
5/6/2019 17:48:13	R1903882-009L 10X	Sb (217.582 nm)	> 100.00	-0.0022 u (ppm)	-4.1747
5/6/2019 17:48:13	R1903882-009L 10X	Se (196.026 nm)	> 100.00	-0.0021 u (ppm)	2.9557
5/6/2019 17:48:13	R1903882-009L 10X	Sn (189.925 nm)	72.52	0.0009 (ppm)	-1.5463
5/6/2019 17:48:13	R1903882-009L 10X	Sr (216.596 nm)	0.26	0.2187 (ppm)	2337.5240
5/6/2019 17:48:13	R1903882-009L 10X	Ti (336.122 nm)	29.64	0.0002 (ppm)	-68.8225
5/6/2019 17:48:13	R1903882-009L 10X	Ti (351.923 nm)	> 100.00	0.0005 u (ppm)	-5.1418
5/6/2019 17:48:13	R1903882-009L 10X	V (292.401 nm)	35.82	-0.0003 u (ppm)	33.5788
5/6/2019 17:48:13	R1903882-009L 10X	Y (360.074 nm)	0.36	1.02 (Ratio)	947607.46
5/6/2019 17:48:13	R1903882-009L 10X	Y_R (360.074 nm)	0.36	1.02 (Ratio)	945386.27
5/6/2019 17:48:13	R1903882-009L 10X	Zn (213.857 nm)	14.19	0.0008 (ppm)	16.9387
5/6/2019 17:51:33	PBS-336018	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-144.0568
5/6/2019 17:51:33	PBS-336018	Al (394.401 nm)	0.20	0.0045 (ppm)	266.4710
5/6/2019 17:51:33	PBS-336018	As (188.980 nm)	> 100.00	-0.0002 u (ppm)	-1.9563
5/6/2019 17:51:33	PBS-336018	B (249.772 nm)	45.42	0.0001 (ppm)	66.3596
5/6/2019 17:51:33	PBS-336018	Ba (230.424 nm)	> 100.00	0.0001 u (ppm)	8.0850
5/6/2019 17:51:33	PBS-336018	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-309.0396
5/6/2019 17:51:33	PBS-336018	Ca (227.547 nm)	43.26	0.0598 (ppm)	5.6315
5/6/2019 17:51:33	PBS-336018	Cd (214.439 nm)	> 100.00	0.0001 (ppm)	8.5269
5/6/2019 17:51:33	PBS-336018	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-3.4512
5/6/2019 17:51:33	PBS-336018	Cr (267.716 nm)	25.99	0.0003 (ppm)	24.2226
5/6/2019 17:51:33	PBS-336018	Cu (327.395 nm)	45.07	0.0003 (ppm)	31.5315
5/6/2019 17:51:33	PBS-336018	Fe (234.350 nm)	2.91	0.0053 (ppm)	81.0322
5/6/2019 17:51:33	PBS-336018	K (766.491 nm)	2.35	0.2945 (ppm)	971.2857
5/6/2019 17:51:33	PBS-336018	Mg (279.078 nm)	13.46	0.0052 (ppm)	18.7450

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:51:33	PBS-336018	Mn (257.610 nm)	4.13	0.0002 (ppm)	84.9241
5/6/2019 17:51:33	PBS-336018	Mo (202.032 nm)	51.35	-0.0002 u (ppm)	1.8548
5/6/2019 17:51:33	PBS-336018	Na (588.995 nm)	1.66	0.0489 (ppm)	-6888.8372
5/6/2019 17:51:33	PBS-336018	Ni (230.299 nm)	3.46	0.0004 (ppm)	-10.7723
5/6/2019 17:51:33	PBS-336018	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	3.0778
5/6/2019 17:51:33	PBS-336018	Sb (217.582 nm)	99.76	0.0010 (ppm)	-0.4335
5/6/2019 17:51:33	PBS-336018	Se (196.026 nm)	96.87	0.0018 (ppm)	4.9172
5/6/2019 17:51:33	PBS-336018	Sn (189.925 nm)	8.61	0.0120 (ppm)	6.8704
5/6/2019 17:51:33	PBS-336018	Sr (216.596 nm)	12.97	0.0004 (ppm)	3.2761
5/6/2019 17:51:33	PBS-336018	Ti (336.122 nm)	11.94	0.0005 (ppm)	16.0357
5/6/2019 17:51:33	PBS-336018	Tl (351.923 nm)	68.59	0.0017 (ppm)	-1.9509
5/6/2019 17:51:33	PBS-336018	V (292.401 nm)	> 100.00	0.0000 u (ppm)	45.1420
5/6/2019 17:51:33	PBS-336018	Y (360.074 nm)	0.51	1.03 (Ratio)	959513.68
5/6/2019 17:51:33	PBS-336018	Y_R (360.074 nm)	0.52	1.03 (Ratio)	957465.72
5/6/2019 17:51:33	PBS-336018	Zn (213.857 nm)	0.60	0.0134 (ppm)	455.2425
5/6/2019 17:54:53	Continuing Calibration Verification	Ag (328.068 nm)	0.03	0.4904 (ppm)	36616.0264
5/6/2019 17:54:53	Continuing Calibration Verification	Al (394.401 nm)	0.35	9.6617 (ppm)	164123.3785
5/6/2019 17:54:53	Continuing Calibration Verification	As (188.980 nm)	0.09	0.9537 (ppm)	663.3785
5/6/2019 17:54:53	Continuing Calibration Verification	B (249.772 nm)	0.11	2.4063 (ppm)	99160.1140
5/6/2019 17:54:53	Continuing Calibration Verification	Ba (230.424 nm)	0.03	10.2764 (ppm)	508969.4321
5/6/2019 17:54:53	Continuing Calibration Verification	Be (313.107 nm)	0.25	0.2518 (ppm)	344571.7393
5/6/2019 17:54:53	Continuing Calibration Verification	Ca (227.547 nm)	0.52	24.3750 (ppm)	1470.4817
5/6/2019 17:54:53	Continuing Calibration Verification	Cd (214.439 nm)	0.08	0.4905 (ppm)	10602.5243
5/6/2019 17:54:53	Continuing Calibration Verification	Co (230.786 nm)	0.04	2.5886 (ppm)	33830.6026
5/6/2019 17:54:53	Continuing Calibration Verification	Cr (267.716 nm)	0.17	0.5037 (ppm)	21538.3858
5/6/2019 17:54:53	Continuing Calibration Verification	Cu (327.395 nm)	0.28	1.2080 (ppm)	78717.3192
5/6/2019 17:54:53	Continuing Calibration Verification	Fe (234.350 nm)	0.07	4.8561 (ppm)	55143.0477
5/6/2019 17:54:53	Continuing Calibration Verification	K (766.491 nm)	0.21	24.3505 (ppm)	88392.0123
5/6/2019 17:54:53	Continuing Calibration Verification	Mg (279.078 nm)	0.11	24.6922 (ppm)	58416.8321
5/6/2019 17:54:53	Continuing Calibration Verification	Mn (257.610 nm)	0.02	0.7465 (ppm)	245219.8070
5/6/2019 17:54:53	Continuing Calibration Verification	Mo (202.032 nm)	0.13	2.4195 (ppm)	14457.0861
5/6/2019 17:54:53	Continuing Calibration Verification	Na (588.995 nm)	0.03	24.4995 (ppm)	1112126.9302
5/6/2019 17:54:53	Continuing Calibration Verification	Ni (230.299 nm)	0.11	1.9703 (ppm)	20806.0145
5/6/2019 17:54:53	Continuing Calibration Verification	Pb (220.353 nm)	0.48	0.4979 (ppm)	1491.7740
5/6/2019 17:54:53	Continuing Calibration Verification	Sb (217.582 nm)	0.20	4.7151 (ppm)	5579.6374
5/6/2019 17:54:53	Continuing Calibration Verification	Se (196.026 nm)	1.09	0.4730 (ppm)	240.9725
5/6/2019 17:54:53	Continuing Calibration Verification	Sn (189.925 nm)	0.44	4.9328 (ppm)	3734.7811
5/6/2019 17:54:53	Continuing Calibration Verification	Sr (216.596 nm)	0.28	2.5311 (ppm)	27071.7185
5/6/2019 17:54:53	Continuing Calibration Verification	Ti (336.122 nm)	0.25	2.4809 (ppm)	624123.2589
5/6/2019 17:54:53	Continuing Calibration Verification	Tl (351.923 nm)	0.14	1.0082 (ppm)	2686.2035
5/6/2019 17:54:53	Continuing Calibration Verification	V (292.401 nm)	0.13	2.5439 (ppm)	83125.0427
5/6/2019 17:54:53	Continuing Calibration Verification	Y (360.074 nm)	0.43	0.98 (Ratio)	907930.78
5/6/2019 17:54:53	Continuing Calibration Verification	Y_R (360.074 nm)	0.41	0.98 (Ratio)	906334.63
5/6/2019 17:54:53	Continuing Calibration Verification	Zn (213.857 nm)	0.07	0.9633 (ppm)	33716.1714
5/6/2019 17:58:12	Continuing Calibration Blank	Ag (328.068 nm)	90.14	-0.0001 u (ppm)	-157.6067
5/6/2019 17:58:12	Continuing Calibration Blank	Al (394.401 nm)	26.10	0.0009 (ppm)	206.6902
5/6/2019 17:58:12	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0018 u (ppm)	-0.5255
5/6/2019 17:58:12	Continuing Calibration Blank	B (249.772 nm)	39.55	0.0004 (ppm)	76.5652
5/6/2019 17:58:12	Continuing Calibration Blank	Ba (230.424 nm)	15.96	0.0005 (ppm)	30.4334
5/6/2019 17:58:12	Continuing Calibration Blank	Be (313.107 nm)	22.53	0.0000 (ppm)	-277.9465
5/6/2019 17:58:12	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0059 u (ppm)	1.6697

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 17:58:12	Continuing Calibration Blank	Cd (214.439 nm)	56.82	0.0002 (ppm)	11.2623
5/6/2019 17:58:12	Continuing Calibration Blank	Co (230.786 nm)	23.14	0.0002 (ppm)	-0.5383
5/6/2019 17:58:12	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.0319
5/6/2019 17:58:12	Continuing Calibration Blank	Cu (327.395 nm)	65.30	0.0003 (ppm)	26.6006
5/6/2019 17:58:12	Continuing Calibration Blank	Fe (234.350 nm)	21.37	0.0012 (ppm)	34.2399
5/6/2019 17:58:12	Continuing Calibration Blank	K (766.491 nm)	> 100.00	-0.0025 u (ppm)	-107.7422
5/6/2019 17:58:12	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0002 u (ppm)	6.7887
5/6/2019 17:58:12	Continuing Calibration Blank	Mn (257.610 nm)	12.79	0.0000 (ppm)	33.8533
5/6/2019 17:58:12	Continuing Calibration Blank	Mo (202.032 nm)	26.01	0.0027 (ppm)	19.6703
5/6/2019 17:58:12	Continuing Calibration Blank	Na (588.995 nm)	13.84	-0.0058 u (ppm)	-9394.3726
5/6/2019 17:58:12	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0003 (ppm)	-11.0257
5/6/2019 17:58:12	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0006 u (ppm)	1.3039
5/6/2019 17:58:12	Continuing Calibration Blank	Sb (217.582 nm)	86.35	0.0014 (ppm)	0.0850
5/6/2019 17:58:12	Continuing Calibration Blank	Se (196.026 nm)	36.57	-0.0017 u (ppm)	3.1616
5/6/2019 17:58:12	Continuing Calibration Blank	Sn (189.925 nm)	45.59	0.0022 (ppm)	-0.6109
5/6/2019 17:58:12	Continuing Calibration Blank	Sr (216.596 nm)	> 100.00	0.0000 u (ppm)	-0.8857
5/6/2019 17:58:12	Continuing Calibration Blank	Ti (336.122 nm)	17.96	0.0012 (ppm)	203.4663
5/6/2019 17:58:12	Continuing Calibration Blank	Ti (351.923 nm)	> 100.00	0.0030 u (ppm)	1.9420
5/6/2019 17:58:12	Continuing Calibration Blank	V (292.401 nm)	49.24	0.0001 (ppm)	48.3653
5/6/2019 17:58:12	Continuing Calibration Blank	Y (360.074 nm)	0.32	1.02 (Ratio)	953723.50
5/6/2019 17:58:12	Continuing Calibration Blank	Y_R (360.074 nm)	0.32	1.02 (Ratio)	951488.57
5/6/2019 17:58:12	Continuing Calibration Blank	Zn (213.857 nm)	15.16	0.0003 (ppm)	-2.2803
5/6/2019 18:01:33	LCSS-336018	Ag (328.068 nm)	0.50	0.0493 (ppm)	3546.6645
5/6/2019 18:01:33	LCSS-336018	Al (394.401 nm)	0.31	1.8869 (ppm)	32205.6924
5/6/2019 18:01:33	LCSS-336018	As (188.980 nm)	22.92	0.0411 (ppm)	26.8797
5/6/2019 18:01:33	LCSS-336018	B (249.772 nm)	0.04	0.9590 (ppm)	39557.4096
5/6/2019 18:01:33	LCSS-336018	Ba (230.424 nm)	0.69	2.1262 (ppm)	105309.9074
5/6/2019 18:01:33	LCSS-336018	Be (313.107 nm)	0.15	0.0498 (ppm)	67935.3884
5/6/2019 18:01:33	LCSS-336018	Ca (227.547 nm)	2.46	1.8687 (ppm)	114.6042
5/6/2019 18:01:33	LCSS-336018	Cd (214.439 nm)	0.76	0.0508 (ppm)	1103.5394
5/6/2019 18:01:33	LCSS-336018	Co (230.786 nm)	0.02	0.5264 (ppm)	6876.6317
5/6/2019 18:01:33	LCSS-336018	Cr (267.716 nm)	0.07	0.2117 (ppm)	9061.5380
5/6/2019 18:01:33	LCSS-336018	Cu (327.395 nm)	0.39	0.2536 (ppm)	16535.5764
5/6/2019 18:01:33	LCSS-336018	Fe (234.350 nm)	0.09	1.0033 (ppm)	11409.9312
5/6/2019 18:01:33	LCSS-336018	K (766.491 nm)	0.58	19.4584 (ppm)	70613.6876
5/6/2019 18:01:33	LCSS-336018	Mg (279.078 nm)	0.05	1.9698 (ppm)	4665.9535
5/6/2019 18:01:33	LCSS-336018	Mn (257.610 nm)	0.19	0.5161 (ppm)	169531.7999
5/6/2019 18:01:33	LCSS-336018	Mo (202.032 nm)	0.22	0.5126 (ppm)	3065.5849
5/6/2019 18:01:33	LCSS-336018	Na (588.995 nm)	0.72	19.6696 (ppm)	891080.4866
5/6/2019 18:01:33	LCSS-336018	Ni (230.299 nm)	0.15	0.5101 (ppm)	5375.3282
5/6/2019 18:01:33	LCSS-336018	Pb (220.353 nm)	0.50	0.5150 (ppm)	1542.8233
5/6/2019 18:01:33	LCSS-336018	Sb (217.582 nm)	0.08	0.4626 (ppm)	545.9761
5/6/2019 18:01:33	LCSS-336018	Se (196.026 nm)	1.05	0.9509 (ppm)	480.4368
5/6/2019 18:01:33	LCSS-336018	Sn (189.925 nm)	0.22	5.0529 (ppm)	3825.7140
5/6/2019 18:01:33	LCSS-336018	Sr (216.596 nm)	0.18	2.0907 (ppm)	22360.5602
5/6/2019 18:01:33	LCSS-336018	Ti (336.122 nm)	0.09	0.5228 (ppm)	131450.7216
5/6/2019 18:01:33	LCSS-336018	Ti (351.923 nm)	0.19	1.9162 (ppm)	5491.5356
5/6/2019 18:01:33	LCSS-336018	V (292.401 nm)	0.15	0.5159 (ppm)	16891.1812
5/6/2019 18:01:33	LCSS-336018	Y (360.074 nm)	0.65	1.00 (Ratio)	930171.71
5/6/2019 18:01:33	LCSS-336018	Y_R (360.074 nm)	0.65	1.00 (Ratio)	928045.28
5/6/2019 18:01:33	LCSS-336018	Zn (213.857 nm)	0.12	0.4953 (ppm)	17328.9925

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:04:52	R1902784-015	Ag (328.068 nm)	0.49	0.0096 (ppm)	569.6311
5/6/2019 18:04:52	R1902784-015	Al (394.401 nm)	0.14	0.1775 (ppm)	3202.1831
5/6/2019 18:04:52	R1902784-015	As (188.980 nm)	19.59	0.0099 (ppm)	5.1126
5/6/2019 18:04:52	R1902784-015	B (249.772 nm)	0.13	0.1838 (ppm)	7631.1441
5/6/2019 18:04:52	R1902784-015	Ba (230.424 nm)	0.42	0.0214 (ppm)	1065.8216
5/6/2019 18:04:52	R1902784-015	Be (313.107 nm)	0.21	0.0048 (ppm)	6291.6276
5/6/2019 18:04:52	R1902784-015	Ca (227.547 nm)	3.26	0.9536 (ppm)	59.4781
5/6/2019 18:04:52	R1902784-015	Cd (214.439 nm)	1.66	0.0051 (ppm)	117.0288
5/6/2019 18:04:52	R1902784-015	Co (230.786 nm)	0.48	0.0521 (ppm)	676.7245
5/6/2019 18:04:52	R1902784-015	Cr (267.716 nm)	0.74	0.0108 (ppm)	476.1472
5/6/2019 18:04:52	R1902784-015	Cu (327.395 nm)	1.10	0.0202 (ppm)	1322.9337
5/6/2019 18:04:52	R1902784-015	Fe (234.350 nm)	0.04	0.3961 (ppm)	4517.6560
5/6/2019 18:04:52	R1902784-015	K (766.491 nm)	0.56	2.1951 (ppm)	7878.2946
5/6/2019 18:04:52	R1902784-015	Mg (279.078 nm)	0.47	0.9731 (ppm)	2308.3673
5/6/2019 18:04:52	R1902784-015	Mn (257.610 nm)	0.09	0.0418 (ppm)	13734.0387
5/6/2019 18:04:52	R1902784-015	Mo (202.032 nm)	2.28	0.0255 (ppm)	155.6145
5/6/2019 18:04:52	R1902784-015	Na (588.995 nm)	0.70	1.0362 (ppm)	38296.0749
5/6/2019 18:04:52	R1902784-015	Ni (230.299 nm)	0.93	0.0400 (ppm)	407.7220
5/6/2019 18:04:52	R1902784-015	Pb (220.353 nm)	3.61	0.0505 (ppm)	153.9421
5/6/2019 18:04:52	R1902784-015	Sb (217.582 nm)	3.87	0.0541 (ppm)	62.4516
5/6/2019 18:04:52	R1902784-015	Se (196.026 nm)	25.90	0.0166 (ppm)	12.3066
5/6/2019 18:04:52	R1902784-015	Sn (189.925 nm)	0.50	0.5098 (ppm)	383.9999
5/6/2019 18:04:52	R1902784-015	Sr (216.596 nm)	0.75	0.1018 (ppm)	1088.0718
5/6/2019 18:04:52	R1902784-015	Ti (336.122 nm)	0.18	0.0511 (ppm)	12746.9937
5/6/2019 18:04:52	R1902784-015	Tl (351.923 nm)	5.43	0.0225 (ppm)	57.8080
5/6/2019 18:04:52	R1902784-015	V (292.401 nm)	0.13	0.0506 (ppm)	1696.1955
5/6/2019 18:04:52	R1902784-015	Y (360.074 nm)	0.53	1.03 (Ratio)	955753.19
5/6/2019 18:04:52	R1902784-015	Y_R (360.074 nm)	0.53	1.03 (Ratio)	953356.99
5/6/2019 18:04:52	R1902784-015	Zn (213.857 nm)	0.38	0.0271 (ppm)	936.5857
5/6/2019 18:08:12	R1903890-001	Ag (328.068 nm)	57.27	-0.0001 u (ppm)	-153.7225
5/6/2019 18:08:12	R1903890-001	Al (394.401 nm)	0.62	0.0814 (ppm)	1571.3464
5/6/2019 18:08:12	R1903890-001	As (188.980 nm)	> 100.00	0.0040 u (ppm)	0.9939
5/6/2019 18:08:12	R1903890-001	B (249.772 nm)	4.99	0.0032 (ppm)	191.2114
5/6/2019 18:08:12	R1903890-001	Ba (230.424 nm)	1.68	0.0110 (ppm)	549.0502
5/6/2019 18:08:12	R1903890-001	Be (313.107 nm)	42.66	0.0000 (ppm)	-291.4946
5/6/2019 18:08:12	R1903890-001	Ca (227.547 nm)	1.68	0.9707 (ppm)	60.5063
5/6/2019 18:08:12	R1903890-001	Cd (214.439 nm)	89.12	0.0002 u (ppm)	10.8071
5/6/2019 18:08:12	R1903890-001	Co (230.786 nm)	63.55	0.0004 (ppm)	1.6958
5/6/2019 18:08:12	R1903890-001	Cr (267.716 nm)	0.94	0.0107 (ppm)	468.4723
5/6/2019 18:08:12	R1903890-001	Cu (327.395 nm)	1.37	0.0064 (ppm)	426.3984
5/6/2019 18:08:12	R1903890-001	Fe (234.350 nm)	0.40	0.1289 (ppm)	1483.6783
5/6/2019 18:08:12	R1903890-001	K (766.491 nm)	0.61	0.5074 (ppm)	1745.0618
5/6/2019 18:08:12	R1903890-001	Mg (279.078 nm)	0.62	0.1911 (ppm)	458.4273
5/6/2019 18:08:12	R1903890-001	Mn (257.610 nm)	0.11	0.0033 (ppm)	1088.7629
5/6/2019 18:08:12	R1903890-001	Mo (202.032 nm)	6.55	0.0037 (ppm)	25.4395
5/6/2019 18:08:12	R1903890-001	Na (588.995 nm)	0.32	3.7381 (ppm)	161953.5728
5/6/2019 18:08:12	R1903890-001	Ni (230.299 nm)	4.82	0.0069 (ppm)	58.1823
5/6/2019 18:08:12	R1903890-001	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	3.2624
5/6/2019 18:08:12	R1903890-001	Sb (217.582 nm)	13.26	0.0152 (ppm)	16.3774
5/6/2019 18:08:12	R1903890-001	Se (196.026 nm)	> 100.00	-0.0033 u (ppm)	2.3720
5/6/2019 18:08:12	R1903890-001	Sn (189.925 nm)	2.85	0.0153 (ppm)	9.3035

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:08:12	R1903890-001	Sr (216.596 nm)	2.20	0.0077 (ppm)	81.3863
5/6/2019 18:08:12	R1903890-001	Ti (336.122 nm)	4.12	0.0023 (ppm)	476.3676
5/6/2019 18:08:12	R1903890-001	Ti (351.923 nm)	> 100.00	0.0001 u (ppm)	-6.5438
5/6/2019 18:08:12	R1903890-001	V (292.401 nm)	> 100.00	0.0000 u (ppm)	45.0676
5/6/2019 18:08:12	R1903890-001	Y (360.074 nm)	0.50	1.03 (Ratio)	954375.82
5/6/2019 18:08:12	R1903890-001	Y_R (360.074 nm)	0.50	1.02 (Ratio)	951985.60
5/6/2019 18:08:12	R1903890-001	Zn (213.857 nm)	0.19	0.1425 (ppm)	4976.2713
5/6/2019 18:11:32	R1903890-002	Ag (328.068 nm)	32.80	0.0000 (ppm)	-145.4911
5/6/2019 18:11:32	R1903890-002	Al (394.401 nm)	2.98	0.0145 (ppm)	436.3353
5/6/2019 18:11:32	R1903890-002	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-2.0495
5/6/2019 18:11:32	R1903890-002	B (249.772 nm)	11.49	0.0003 (ppm)	72.0442
5/6/2019 18:11:32	R1903890-002	Ba (230.424 nm)	1.36	0.0037 (ppm)	187.7688
5/6/2019 18:11:32	R1903890-002	Be (313.107 nm)	33.54	0.0000 (ppm)	-293.1142
5/6/2019 18:11:32	R1903890-002	Ca (227.547 nm)	8.74	0.1421 (ppm)	10.5870
5/6/2019 18:11:32	R1903890-002	Cd (214.439 nm)	87.94	0.0001 (ppm)	8.5933
5/6/2019 18:11:32	R1903890-002	Co (230.786 nm)	> 100.00	0.0002 (ppm)	-0.9923
5/6/2019 18:11:32	R1903890-002	Cr (267.716 nm)	1.88	0.0034 (ppm)	159.1893
5/6/2019 18:11:32	R1903890-002	Cu (327.395 nm)	2.93	0.0019 (ppm)	130.3488
5/6/2019 18:11:32	R1903890-002	Fe (234.350 nm)	1.00	0.0365 (ppm)	435.6430
5/6/2019 18:11:32	R1903890-002	K (766.491 nm)	2.30	0.3589 (ppm)	1205.3757
5/6/2019 18:11:32	R1903890-002	Mg (279.078 nm)	4.76	0.0145 (ppm)	40.7579
5/6/2019 18:11:32	R1903890-002	Mn (257.610 nm)	1.97	0.0008 (ppm)	277.5566
5/6/2019 18:11:32	R1903890-002	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	3.2370
5/6/2019 18:11:32	R1903890-002	Na (588.995 nm)	1.05	0.0889 (ppm)	-5061.2068
5/6/2019 18:11:32	R1903890-002	Ni (230.299 nm)	54.63	0.0010 (ppm)	-4.2294
5/6/2019 18:11:32	R1903890-002	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	3.3431
5/6/2019 18:11:32	R1903890-002	Sb (217.582 nm)	> 100.00	-0.0009 u (ppm)	-2.7016
5/6/2019 18:11:32	R1903890-002	Se (196.026 nm)	> 100.00	0.0040 u (ppm)	6.0223
5/6/2019 18:11:32	R1903890-002	Sn (189.925 nm)	11.07	0.0154 (ppm)	9.3775
5/6/2019 18:11:32	R1903890-002	Sr (216.596 nm)	36.38	0.0004 (ppm)	3.3740
5/6/2019 18:11:32	R1903890-002	Ti (336.122 nm)	5.53	0.0012 (ppm)	192.8398
5/6/2019 18:11:32	R1903890-002	Ti (351.923 nm)	> 100.00	0.0010 u (ppm)	-3.9465
5/6/2019 18:11:32	R1903890-002	V (292.401 nm)	> 100.00	0.0000 u (ppm)	42.6479
5/6/2019 18:11:32	R1903890-002	Y (360.074 nm)	0.47	1.03 (Ratio)	959452.90
5/6/2019 18:11:32	R1903890-002	Y_R (360.074 nm)	0.47	1.03 (Ratio)	959500.55
5/6/2019 18:11:32	R1903890-002	Zn (213.857 nm)	1.18	0.0187 (ppm)	643.6966
5/6/2019 18:14:52	R1903954-001	Ag (328.068 nm)	3.06	0.0030 (ppm)	79.9808
5/6/2019 18:14:52	R1903954-001	Al (394.401 nm)	0.46	71.6836 o (ppm)	1216466.9348
5/6/2019 18:14:52	R1903954-001	As (188.980 nm)	4.23	0.0831 (ppm)	56.1721
5/6/2019 18:14:52	R1903954-001	B (249.772 nm)	0.24	0.0966 (ppm)	4037.9646
5/6/2019 18:14:52	R1903954-001	Ba (230.424 nm)	0.46	1.8865 (ppm)	93440.7694
5/6/2019 18:14:52	R1903954-001	Be (313.107 nm)	1.18	0.0056 (ppm)	7329.5803
5/6/2019 18:14:52	R1903954-001	Ca (227.547 nm)	0.24	260.5369 o (ppm)	15697.8580
5/6/2019 18:14:52	R1903954-001	Cd (214.439 nm)	1.77	0.0051 (ppm)	117.2635
5/6/2019 18:14:52	R1903954-001	Co (230.786 nm)	0.75	0.0669 (ppm)	871.0639
5/6/2019 18:14:52	R1903954-001	Cr (267.716 nm)	0.93	0.0818 (ppm)	3509.8774
5/6/2019 18:14:52	R1903954-001	Cu (327.395 nm)	0.48	0.4697 (ppm)	30612.2486
5/6/2019 18:14:52	R1903954-001	Fe (234.350 nm)	0.37	90.6238 o (ppm)	1028696.1299
5/6/2019 18:14:52	R1903954-001	K (766.491 nm)	0.37	6.7835 (ppm)	24552.8369
5/6/2019 18:14:52	R1903954-001	Mg (279.078 nm)	0.25	90.2921 o (ppm)	213596.6508
5/6/2019 18:14:52	R1903954-001	Mn (257.610 nm)	0.07	2.1701 o (ppm)	712807.4206

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:14:52	R1903954-001	Mo (202.032 nm)	1.72	0.0165 (ppm)	102.1633
5/6/2019 18:14:52	R1903954-001	Na (588.995 nm)	0.39	7.0173 (ppm)	312027.3066
5/6/2019 18:14:52	R1903954-001	Ni (230.299 nm)	0.05	0.1145 (ppm)	1195.5136
5/6/2019 18:14:52	R1903954-001	Pb (220.353 nm)	0.10	34.9053 o (ppm)	104369.8798
5/6/2019 18:14:52	R1903954-001	Sb (217.582 nm)	30.49	0.0101 (ppm)	10.3788
5/6/2019 18:14:52	R1903954-001	Se (196.026 nm)	> 100.00	-0.0009 u (ppm)	3.5335
5/6/2019 18:14:52	R1903954-001	Sn (189.925 nm)	0.81	1.5134 (ppm)	1144.2834
5/6/2019 18:14:52	R1903954-001	Sr (216.596 nm)	0.27	0.7273 (ppm)	7777.9953
5/6/2019 18:14:52	R1903954-001	Ti (336.122 nm)	1.05	1.6433 (ppm)	413365.5261
5/6/2019 18:14:52	R1903954-001	Tl (351.923 nm)	42.27	-0.0056 u (ppm)	-22.6589
5/6/2019 18:14:52	R1903954-001	V (292.401 nm)	0.29	0.1726 (ppm)	5681.1634
5/6/2019 18:14:52	R1903954-001	Y (360.074 nm)	0.83	0.97 (Ratio)	900914.79
5/6/2019 18:14:52	R1903954-001	Y_R (360.074 nm)	0.83	0.97 (Ratio)	898979.31
5/6/2019 18:14:52	R1903954-001	Zn (213.857 nm)	0.34	1.8789 (ppm)	65775.8677
5/6/2019 18:18:10	R1903954-001S	Ag (328.068 nm)	0.29	0.0537 (ppm)	3873.8771
5/6/2019 18:18:10	R1903954-001S	Al (394.401 nm)	0.50	43.1392 o (ppm)	732145.7829
5/6/2019 18:18:10	R1903954-001S	As (188.980 nm)	0.79	0.2601 (ppm)	179.5912
5/6/2019 18:18:10	R1903954-001S	B (249.772 nm)	0.18	1.1821 (ppm)	48743.5489
5/6/2019 18:18:10	R1903954-001S	Ba (230.424 nm)	0.14	2.9663 (ppm)	146919.6223
5/6/2019 18:18:10	R1903954-001S	Be (313.107 nm)	0.15	0.0519 (ppm)	70829.0467
5/6/2019 18:18:10	R1903954-001S	Ca (227.547 nm)	0.20	93.4390 o (ppm)	5631.1843
5/6/2019 18:18:10	R1903954-001S	Cd (214.439 nm)	0.32	0.0592 (ppm)	1284.7904
5/6/2019 18:18:10	R1903954-001S	Co (230.786 nm)	0.10	0.5937 (ppm)	7755.8790
5/6/2019 18:18:10	R1903954-001S	Cr (267.716 nm)	0.03	0.3119 (ppm)	13341.6229
5/6/2019 18:18:10	R1903954-001S	Cu (327.395 nm)	0.22	0.7387 (ppm)	48141.8697
5/6/2019 18:18:10	R1903954-001S	Fe (234.350 nm)	0.33	340.8651 o (ppm)	3869197.9067
5/6/2019 18:18:10	R1903954-001S	K (766.491 nm)	0.22	24.3037 (ppm)	88221.7553
5/6/2019 18:18:10	R1903954-001S	Mg (279.078 nm)	0.03	30.8337 (ppm)	72945.0417
5/6/2019 18:18:10	R1903954-001S	Mn (257.610 nm)	0.19	1.9451 o (ppm)	638900.6305
5/6/2019 18:18:10	R1903954-001S	Mo (202.032 nm)	0.28	0.5280 (ppm)	3157.6666
5/6/2019 18:18:10	R1903954-001S	Na (588.995 nm)	0.56	23.8710 (ppm)	1083362.7033
5/6/2019 18:18:10	R1903954-001S	Ni (230.299 nm)	0.15	0.6616 (ppm)	6976.4183
5/6/2019 18:18:10	R1903954-001S	Pb (220.353 nm)	0.19	64.9873 o (ppm)	194314.7362
5/6/2019 18:18:10	R1903954-001S	Sb (217.582 nm)	1.49	0.4120 (ppm)	486.1105
5/6/2019 18:18:10	R1903954-001S	Se (196.026 nm)	0.38	0.9351 (ppm)	472.4952
5/6/2019 18:18:10	R1903954-001S	Sn (189.925 nm)	0.98	15.8222 o (ppm)	11984.4142
5/6/2019 18:18:10	R1903954-001S	Sr (216.596 nm)	0.34	2.5243 (ppm)	26998.5760
5/6/2019 18:18:10	R1903954-001S	Ti (336.122 nm)	3.50	2.0059 (ppm)	504603.5319
5/6/2019 18:18:10	R1903954-001S	Tl (351.923 nm)	0.10	1.9197 (ppm)	5501.5023
5/6/2019 18:18:10	R1903954-001S	V (292.401 nm)	0.13	0.7410 (ppm)	24242.8713
5/6/2019 18:18:10	R1903954-001S	Y (360.074 nm)	0.56	0.98 (Ratio)	912182.26
5/6/2019 18:18:10	R1903954-001S	Y_R (360.074 nm)	0.56	0.98 (Ratio)	910266.37
5/6/2019 18:18:10	R1903954-001S	Zn (213.857 nm)	0.16	2.1331 (ppm)	74675.3062
5/6/2019 18:21:30	R1903954-001SD	Ag (328.068 nm)	1.49	0.0592 (ppm)	4291.7025
5/6/2019 18:21:30	R1903954-001SD	Al (394.401 nm)	1.24	48.2865 o (ppm)	819480.8533
5/6/2019 18:21:30	R1903954-001SD	As (188.980 nm)	4.43	0.1952 (ppm)	134.3441
5/6/2019 18:21:30	R1903954-001SD	B (249.772 nm)	1.31	1.1044 (ppm)	45542.2107
5/6/2019 18:21:30	R1903954-001SD	Ba (230.424 nm)	1.99	2.9811 (ppm)	147650.7902
5/6/2019 18:21:30	R1903954-001SD	Be (313.107 nm)	1.38	0.0527 (ppm)	71885.6669
5/6/2019 18:21:30	R1903954-001SD	Ca (227.547 nm)	1.52	524.6125 o (ppm)	31606.8781
5/6/2019 18:21:30	R1903954-001SD	Cd (214.439 nm)	1.19	0.0530 (ppm)	1151.1663

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:21:30	R1903954-001SD	Co (230.786 nm)	2.10	0.5243 (ppm)	6849.1302
5/6/2019 18:21:30	R1903954-001SD	Cr (267.716 nm)	1.33	0.2913 (ppm)	12462.3171
5/6/2019 18:21:30	R1903954-001SD	Cu (327.395 nm)	1.40	0.8023 (ppm)	52283.5520
5/6/2019 18:21:30	R1903954-001SD	Fe (234.350 nm)	1.57	145.3272 o (ppm)	1649637.6782
5/6/2019 18:21:30	R1903954-001SD	K (766.491 nm)	1.32	28.5299 (ppm)	103580.0734
5/6/2019 18:21:30	R1903954-001SD	Mg (279.078 nm)	1.72	249.1794 o (ppm)	589451.8397
5/6/2019 18:21:30	R1903954-001SD	Mn (257.610 nm)	1.39	2.6026 o (ppm)	854863.9069
5/6/2019 18:21:30	R1903954-001SD	Mo (202.032 nm)	1.16	0.5079 (ppm)	3037.2367
5/6/2019 18:21:30	R1903954-001SD	Na (588.995 nm)	1.98	25.1992 (ppm)	1144149.0821
5/6/2019 18:21:30	R1903954-001SD	Ni (230.299 nm)	1.72	0.5641 (ppm)	5946.1488
5/6/2019 18:21:30	R1903954-001SD	Pb (220.353 nm)	1.36	128.9252 o (ppm)	385489.0014
5/6/2019 18:21:30	R1903954-001SD	Sb (217.582 nm)	2.93	0.4271 (ppm)	504.0060
5/6/2019 18:21:30	R1903954-001SD	Se (196.026 nm)	0.80	0.9682 (ppm)	489.0774
5/6/2019 18:21:30	R1903954-001SD	Sn (189.925 nm)	1.82	9.2609 (ppm)	7013.6588
5/6/2019 18:21:30	R1903954-001SD	Sr (216.596 nm)	1.68	2.6149 (ppm)	27968.0708
5/6/2019 18:21:30	R1903954-001SD	Ti (336.122 nm)	2.07	1.7290 (ppm)	434940.9510
5/6/2019 18:21:30	R1903954-001SD	Tl (351.923 nm)	1.40	2.0549 (ppm)	5889.4180
5/6/2019 18:21:30	R1903954-001SD	V (292.401 nm)	1.27	0.7062 (ppm)	23107.7815
5/6/2019 18:21:30	R1903954-001SD	Y (360.074 nm)	1.77	0.92 (Ratio)	855607.57
5/6/2019 18:21:30	R1903954-001SD	Y_R (360.074 nm)	1.78	0.92 (Ratio)	854422.13
5/6/2019 18:21:30	R1903954-001SD	Zn (213.857 nm)	1.55	2.3844 o (ppm)	83474.3656
5/6/2019 18:24:49	R1903954-001A	Ag (328.068 nm)	0.42	0.0514 (ppm)	3705.0413
5/6/2019 18:24:49	R1903954-001A	Al (394.401 nm)	0.24	72.1699 o (ppm)	1224717.3876
5/6/2019 18:24:49	R1903954-001A	As (188.980 nm)	3.48	0.1237 (ppm)	84.4522
5/6/2019 18:24:49	R1903954-001A	B (249.772 nm)	0.08	1.0423 (ppm)	42984.8861
5/6/2019 18:24:49	R1903954-001A	Ba (230.424 nm)	0.27	3.7507 (ppm)	185769.5882
5/6/2019 18:24:49	R1903954-001A	Be (313.107 nm)	0.23	0.0525 (ppm)	71582.2744
5/6/2019 18:24:49	R1903954-001A	Ca (227.547 nm)	0.29	258.0069 o (ppm)	15545.4428
5/6/2019 18:24:49	R1903954-001A	Cd (214.439 nm)	0.14	0.0505 (ppm)	1096.5937
5/6/2019 18:24:49	R1903954-001A	Co (230.786 nm)	0.15	0.5297 (ppm)	6919.6333
5/6/2019 18:24:49	R1903954-001A	Cr (267.716 nm)	0.18	0.2714 (ppm)	11610.3672
5/6/2019 18:24:49	R1903954-001A	Cu (327.395 nm)	0.26	0.7077 (ppm)	46122.4606
5/6/2019 18:24:49	R1903954-001A	Fe (234.350 nm)	0.36	89.5415 o (ppm)	1016411.6270
5/6/2019 18:24:49	R1903954-001A	K (766.491 nm)	0.28	27.3019 (ppm)	99117.4310
5/6/2019 18:24:49	R1903954-001A	Mg (279.078 nm)	0.11	89.4425 o (ppm)	211586.8845
5/6/2019 18:24:49	R1903954-001A	Mn (257.610 nm)	0.24	2.5571 o (ppm)	839940.6686
5/6/2019 18:24:49	R1903954-001A	Mo (202.032 nm)	0.16	0.4959 (ppm)	2965.8731
5/6/2019 18:24:49	R1903954-001A	Na (588.995 nm)	0.48	27.1428 (ppm)	1233104.7395
5/6/2019 18:24:49	R1903954-001A	Ni (230.299 nm)	0.24	0.5593 (ppm)	5896.0712
5/6/2019 18:24:49	R1903954-001A	Pb (220.353 nm)	0.07	34.4273 o (ppm)	102940.4596
5/6/2019 18:24:49	R1903954-001A	Sb (217.582 nm)	0.96	0.4706 (ppm)	555.4015
5/6/2019 18:24:49	R1903954-001A	Se (196.026 nm)	0.35	0.9982 (ppm)	504.1372
5/6/2019 18:24:49	R1903954-001A	Sn (189.925 nm)	0.52	6.1406 (ppm)	4649.7952
5/6/2019 18:24:49	R1903954-001A	Sr (216.596 nm)	0.06	2.6238 (ppm)	28063.1416
5/6/2019 18:24:49	R1903954-001A	Ti (336.122 nm)	1.82	2.1151 (ppm)	532094.0787
5/6/2019 18:24:49	R1903954-001A	Tl (351.923 nm)	0.60	1.9483 (ppm)	5583.6123
5/6/2019 18:24:49	R1903954-001A	V (292.401 nm)	0.12	0.6459 (ppm)	21137.5552
5/6/2019 18:24:49	R1903954-001A	Y (360.074 nm)	0.62	0.96 (Ratio)	894152.37
5/6/2019 18:24:49	R1903954-001A	Y_R (360.074 nm)	0.62	0.96 (Ratio)	892723.96
5/6/2019 18:24:49	R1903954-001A	Zn (213.857 nm)	0.39	2.2935 o (ppm)	80291.1375
5/6/2019 18:28:08	R1903954-001L	Ag (328.068 nm)	9.04	0.0006 (ppm)	-106.5710

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:28:08	R1903954-001L	Al (394.401 nm)	0.28	13.4006 (ppm)	227562.1327
5/6/2019 18:28:08	R1903954-001L	As (188.980 nm)	21.61	0.0147 (ppm)	8.4766
5/6/2019 18:28:08	R1903954-001L	B (249.772 nm)	1.41	0.0200 (ppm)	882.1609
5/6/2019 18:28:08	R1903954-001L	Ba (230.424 nm)	0.39	0.3854 (ppm)	19092.5537
5/6/2019 18:28:08	R1903954-001L	Be (313.107 nm)	1.03	0.0011 (ppm)	1241.4002
5/6/2019 18:28:08	R1903954-001L	Ca (227.547 nm)	0.59	49.5953 (ppm)	2989.8561
5/6/2019 18:28:08	R1903954-001L	Cd (214.439 nm)	15.76	0.0011 (ppm)	29.5394
5/6/2019 18:28:08	R1903954-001L	Co (230.786 nm)	1.53	0.0139 (ppm)	177.8728
5/6/2019 18:28:08	R1903954-001L	Cr (267.716 nm)	0.30	0.0168 (ppm)	729.9400
5/6/2019 18:28:08	R1903954-001L	Cu (327.395 nm)	0.99	0.0910 (ppm)	5940.3621
5/6/2019 18:28:08	R1903954-001L	Fe (234.350 nm)	0.11	19.4576 u (ppm)	220885.5487
5/6/2019 18:28:08	R1903954-001L	K (766.491 nm)	0.78	1.2498 (ppm)	4443.0985
5/6/2019 18:28:08	R1903954-001L	Mg (279.078 nm)	0.11	18.1661 (ppm)	42979.2293
5/6/2019 18:28:08	R1903954-001L	Mn (257.610 nm)	0.06	0.4472 (ppm)	146902.8572
5/6/2019 18:28:08	R1903954-001L	Mo (202.032 nm)	8.60	0.0039 (ppm)	26.6206
5/6/2019 18:28:08	R1903954-001L	Na (588.995 nm)	0.50	1.2974 (ppm)	50250.0626
5/6/2019 18:28:08	R1903954-001L	Ni (230.299 nm)	2.20	0.0239 (ppm)	238.1482
5/6/2019 18:28:08	R1903954-001L	Pb (220.353 nm)	0.04	7.3872 u (ppm)	22090.7085
5/6/2019 18:28:08	R1903954-001L	Sb (217.582 nm)	35.65	0.0041 (ppm)	3.2687
5/6/2019 18:28:08	R1903954-001L	Se (196.026 nm)	> 100.00	-0.0002 u (ppm)	3.9013
5/6/2019 18:28:08	R1903954-001L	Sn (189.925 nm)	0.72	0.3171 (ppm)	237.9692
5/6/2019 18:28:08	R1903954-001L	Sr (216.596 nm)	0.16	0.1508 (ppm)	1611.2415
5/6/2019 18:28:08	R1903954-001L	Ti (336.122 nm)	0.69	0.3386 (ppm)	85079.9252
5/6/2019 18:28:08	R1903954-001L	Tl (351.923 nm)	> 100.00	-0.0008 u (ppm)	-9.0327
5/6/2019 18:28:08	R1903954-001L	V (292.401 nm)	0.72	0.0344 (ppm)	1167.1819
5/6/2019 18:28:08	R1903954-001L	Y (360.074 nm)	0.58	0.99 (Ratio)	925775.95
5/6/2019 18:28:08	R1903954-001L	Y_R (360.074 nm)	0.58	0.99 (Ratio)	924031.77
5/6/2019 18:28:08	R1903954-001L	Zn (213.857 nm)	0.42	0.3742 (ppm)	13089.7417
5/6/2019 18:31:27	R1903954-003	Ag (328.068 nm)	6.61	0.0035 (ppm)	114.7643
5/6/2019 18:31:27	R1903954-003	Al (394.401 nm)	0.15	36.0842 u (ppm)	612441.6808
5/6/2019 18:31:27	R1903954-003	As (188.980 nm)	5.16	0.0357 (ppm)	23.1329
5/6/2019 18:31:27	R1903954-003	B (249.772 nm)	0.14	0.0587 (ppm)	2477.7858
5/6/2019 18:31:27	R1903954-003	Ba (230.424 nm)	0.11	0.6873 (ppm)	34044.0304
5/6/2019 18:31:27	R1903954-003	Be (313.107 nm)	0.35	0.0034 (ppm)	4326.9353
5/6/2019 18:31:27	R1903954-003	Ca (227.547 nm)	0.17	176.7162 u (ppm)	10046.2735
5/6/2019 18:31:27	R1903954-003	Cd (214.439 nm)	5.51	0.0032 (ppm)	76.3050
5/6/2019 18:31:27	R1903954-003	Co (230.786 nm)	0.97	0.0379 (ppm)	491.4199
5/6/2019 18:31:27	R1903954-003	Cr (267.716 nm)	0.15	0.0584 (ppm)	2507.8239
5/6/2019 18:31:27	R1903954-003	Cu (327.395 nm)	0.44	0.5238 (ppm)	34137.2421
5/6/2019 18:31:27	R1903954-003	Fe (234.350 nm)	0.25	65.2728 u (ppm)	740935.8344
5/6/2019 18:31:27	R1903954-003	K (766.491 nm)	0.21	4.2702 (ppm)	15419.2610
5/6/2019 18:31:27	R1903954-003	Mg (279.078 nm)	0.06	26.3254 (ppm)	62280.2763
5/6/2019 18:31:27	R1903954-003	Mn (257.610 nm)	0.14	2.7624 u (ppm)	907355.5151
5/6/2019 18:31:27	R1903954-003	Mo (202.032 nm)	3.37	0.0126 (ppm)	78.8779
5/6/2019 18:31:27	R1903954-003	Na (588.995 nm)	0.37	2.6443 (ppm)	111892.1129
5/6/2019 18:31:27	R1903954-003	Ni (230.299 nm)	0.68	0.0744 (ppm)	771.4201
5/6/2019 18:31:27	R1903954-003	Pb (220.353 nm)	0.54	0.8459 (ppm)	2532.3549
5/6/2019 18:31:27	R1903954-003	Sb (217.582 nm)	> 100.00	-0.0043 u (ppm)	-6.6354
5/6/2019 18:31:27	R1903954-003	Se (196.026 nm)	> 100.00	-0.0010 u (ppm)	3.5171
5/6/2019 18:31:27	R1903954-003	Sn (189.925 nm)	2.02	0.0613 (ppm)	44.1500
5/6/2019 18:31:27	R1903954-003	Sr (216.596 nm)	0.18	0.6628 (ppm)	7087.7376

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:31:27	R1903954-003	Ti (336.122 nm)	0.53	2.1651 (ppm)	544661.6057
5/6/2019 18:31:27	R1903954-003	Tl (351.923 nm)	> 100.00	0.0016 (ppm)	-2.0385
5/6/2019 18:31:27	R1903954-003	V (292.401 nm)	0.26	0.1027 (ppm)	3397.0625
5/6/2019 18:31:27	R1903954-003	Y (360.074 nm)	0.52	0.99 (Ratio)	922234.86
5/6/2019 18:31:27	R1903954-003	Y_R (360.074 nm)	0.52	0.99 (Ratio)	920652.39
5/6/2019 18:31:27	R1903954-003	Zn (213.857 nm)	0.55	1.1174 (ppm)	39112.7713
5/6/2019 18:34:47	Continuing Calibration Verification	Ag (328.068 nm)	0.12	0.4939 (ppm)	36884.5914
5/6/2019 18:34:47	Continuing Calibration Verification	Al (394.401 nm)	0.12	9.7448 (ppm)	165534.2085
5/6/2019 18:34:47	Continuing Calibration Verification	As (188.980 nm)	0.30	0.9701 (ppm)	674.7613
5/6/2019 18:34:47	Continuing Calibration Verification	B (249.772 nm)	0.10	2.4181 (ppm)	99646.8854
5/6/2019 18:34:47	Continuing Calibration Verification	Ba (230.424 nm)	0.23	10.3076 (ppm)	510515.5175
5/6/2019 18:34:47	Continuing Calibration Verification	Be (313.107 nm)	0.17	0.2527 (ppm)	345827.4425
5/6/2019 18:34:47	Continuing Calibration Verification	Ca (227.547 nm)	0.24	24.5842 (ppm)	1483.0839
5/6/2019 18:34:47	Continuing Calibration Verification	Cd (214.439 nm)	0.08	0.4906 (ppm)	10605.6466
5/6/2019 18:34:47	Continuing Calibration Verification	Co (230.786 nm)	0.12	2.5965 (ppm)	33934.0653
5/6/2019 18:34:47	Continuing Calibration Verification	Cr (267.716 nm)	0.19	0.5028 (ppm)	21501.1357
5/6/2019 18:34:47	Continuing Calibration Verification	Cu (327.395 nm)	0.20	1.2279 (ppm)	80016.0913
5/6/2019 18:34:47	Continuing Calibration Verification	Fe (234.350 nm)	0.15	4.8871 (ppm)	55495.2445
5/6/2019 18:34:47	Continuing Calibration Verification	K (766.491 nm)	0.31	24.7132 (ppm)	89710.0628
5/6/2019 18:34:47	Continuing Calibration Verification	Mg (279.078 nm)	0.19	24.7552 (ppm)	58565.9868
5/6/2019 18:34:47	Continuing Calibration Verification	Mn (257.610 nm)	0.09	0.7485 (ppm)	245858.0819
5/6/2019 18:34:47	Continuing Calibration Verification	Mo (202.032 nm)	0.15	2.4262 (ppm)	14496.8682
5/6/2019 18:34:47	Continuing Calibration Verification	Na (588.995 nm)	0.11	24.8965 (ppm)	1130298.5742
5/6/2019 18:34:47	Continuing Calibration Verification	Ni (230.299 nm)	0.15	1.9781 (ppm)	20889.2099
5/6/2019 18:34:47	Continuing Calibration Verification	Pb (220.353 nm)	0.37	0.5004 (ppm)	1499.1618
5/6/2019 18:34:47	Continuing Calibration Verification	Sb (217.582 nm)	0.08	4.7714 (ppm)	5646.3182
5/6/2019 18:34:47	Continuing Calibration Verification	Se (196.026 nm)	1.21	0.4766 (ppm)	242.7765
5/6/2019 18:34:47	Continuing Calibration Verification	Sn (189.925 nm)	0.35	4.9301 (ppm)	3732.7115
5/6/2019 18:34:47	Continuing Calibration Verification	Sr (216.596 nm)	0.28	2.5152 (ppm)	26901.5842
5/6/2019 18:34:47	Continuing Calibration Verification	Ti (336.122 nm)	0.10	2.5024 (ppm)	629550.4765
5/6/2019 18:34:47	Continuing Calibration Verification	Tl (351.923 nm)	0.20	1.0161 (ppm)	2908.7117
5/6/2019 18:34:47	Continuing Calibration Verification	V (292.401 nm)	0.13	2.5520 (ppm)	83390.0520
5/6/2019 18:34:47	Continuing Calibration Verification	Y (360.074 nm)	0.36	0.97 (Ratio)	899421.97
5/6/2019 18:34:47	Continuing Calibration Verification	Y_R (360.074 nm)	0.36	0.97 (Ratio)	897969.18
5/6/2019 18:34:47	Continuing Calibration Verification	Zn (213.857 nm)	0.15	0.9690 (ppm)	33914.5406
5/6/2019 18:38:06	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-146.2830
5/6/2019 18:38:06	Continuing Calibration Blank	Al (394.401 nm)	11.32	0.0036 (ppm)	251.1199
5/6/2019 18:38:06	Continuing Calibration Blank	As (188.980 nm)	88.04	0.0021 u (ppm)	-0.3111
5/6/2019 18:38:06	Continuing Calibration Blank	B (249.772 nm)	37.33	0.0007 (ppm)	87.8943
5/6/2019 18:38:06	Continuing Calibration Blank	Ba (230.424 nm)	7.64	0.0011 (ppm)	61.5007
5/6/2019 18:38:06	Continuing Calibration Blank	Be (313.107 nm)	24.58	0.0000 (ppm)	-277.7674
5/6/2019 18:38:06	Continuing Calibration Blank	Ca (227.547 nm)	44.45	0.0573 (ppm)	5.4802
5/6/2019 18:38:06	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	7.9646
5/6/2019 18:38:06	Continuing Calibration Blank	Co (230.786 nm)	14.35	0.0006 (ppm)	3.7579
5/6/2019 18:38:06	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	11.2198
5/6/2019 18:38:06	Continuing Calibration Blank	Cu (327.395 nm)	50.68	0.0003 (ppm)	30.1466
5/6/2019 18:38:06	Continuing Calibration Blank	Fe (234.350 nm)	3.91	0.0073 (ppm)	103.3502
5/6/2019 18:38:06	Continuing Calibration Blank	K (766.491 nm)	45.20	0.0112 (ppm)	-58.0218
5/6/2019 18:38:06	Continuing Calibration Blank	Mg (279.078 nm)	22.93	0.0045 (ppm)	17.0054
5/6/2019 18:38:06	Continuing Calibration Blank	Mn (257.610 nm)	6.43	0.0003 (ppm)	103.7621
5/6/2019 18:38:06	Continuing Calibration Blank	Mo (202.032 nm)	9.18	0.0031 (ppm)	22.0643

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:38:06	Continuing Calibration Blank	Na (588.995 nm)	> 100.00	-0.0017 u (ppm)	-9205.2575
5/6/2019 18:38:06	Continuing Calibration Blank	Ni (230.299 nm)	71.39	0.0004 (ppm)	-10.7912
5/6/2019 18:38:06	Continuing Calibration Blank	Pb (220.353 nm)	68.96	0.0011 (ppm)	6.2278
5/6/2019 18:38:06	Continuing Calibration Blank	Sb (217.582 nm)	59.08	0.0008 (ppm)	-0.5881
5/6/2019 18:38:06	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0004 u (ppm)	4.2274
5/6/2019 18:38:06	Continuing Calibration Blank	Sn (189.925 nm)	22.77	0.0033 (ppm)	0.2500
5/6/2019 18:38:06	Continuing Calibration Blank	Sr (216.596 nm)	46.95	0.0004 (ppm)	2.9304
5/6/2019 18:38:06	Continuing Calibration Blank	Ti (336.122 nm)	17.60	0.0018 (ppm)	340.6242
5/6/2019 18:38:06	Continuing Calibration Blank	Tl (351.923 nm)	30.99	0.0030 (ppm)	1.8826
5/6/2019 18:38:06	Continuing Calibration Blank	V (292.401 nm)	68.04	0.0003 (ppm)	51.9766
5/6/2019 18:38:06	Continuing Calibration Blank	Y (360.074 nm)	0.33	1.01 (Ratio)	941633.02
5/6/2019 18:38:06	Continuing Calibration Blank	Y_R (360.074 nm)	0.33	1.01 (Ratio)	939982.80
5/6/2019 18:38:06	Continuing Calibration Blank	Zn (213.857 nm)	13.50	0.0004 (ppm)	2.4959
5/6/2019 18:41:25	R1903954-006	Ag (328.068 nm)	17.19	0.0008 (ppm)	-86.9360
5/6/2019 18:41:25	R1903954-006	Al (394.401 nm)	0.69	48.9808 o (ppm)	831262.7994
5/6/2019 18:41:25	R1903954-006	As (188.980 nm)	5.01	0.0385 (ppm)	25.0532
5/6/2019 18:41:25	R1903954-006	B (249.772 nm)	0.47	0.0515 (ppm)	2181.3158
5/6/2019 18:41:25	R1903954-006	Ba (230.424 nm)	0.30	0.4030 (ppm)	19963.2611
5/6/2019 18:41:25	R1903954-006	Be (313.107 nm)	0.96	0.0040 (ppm)	5192.9871
5/6/2019 18:41:25	R1903954-006	Ca (227.547 nm)	0.24	48.9723 (ppm)	2952.3265
5/6/2019 18:41:25	R1903954-006	Cd (214.439 nm)	18.96	0.0013 (ppm)	35.0923
5/6/2019 18:41:25	R1903954-006	Co (230.786 nm)	0.51	0.0685 (ppm)	891.8559
5/6/2019 18:41:25	R1903954-006	Cr (267.716 nm)	1.24	0.0832 (ppm)	3570.6166
5/6/2019 18:41:25	R1903954-006	Cu (327.395 nm)	0.23	0.2309 (ppm)	15051.1148
5/6/2019 18:41:25	R1903954-006	Fe (234.350 nm)	0.20	46.3890 o (ppm)	526585.0654
5/6/2019 18:41:25	R1903954-006	K (766.491 nm)	0.77	6.8177 (ppm)	24677.0888
5/6/2019 18:41:25	R1903954-006	Mg (279.078 nm)	0.10	13.1744 (ppm)	31171.0704
5/6/2019 18:41:25	R1903954-006	Mn (257.610 nm)	0.21	2.0473 o (ppm)	672481.2351
5/6/2019 18:41:25	R1903954-006	Mo (202.032 nm)	4.73	0.0125 (ppm)	78.0275
5/6/2019 18:41:25	R1903954-006	Na (588.995 nm)	0.75	2.7399 (ppm)	116266.6576
5/6/2019 18:41:25	R1903954-006	Ni (230.299 nm)	0.38	0.1268 (ppm)	1325.5731
5/6/2019 18:41:25	R1903954-006	Pb (220.353 nm)	0.37	0.5900 (ppm)	1767.1778
5/6/2019 18:41:25	R1903954-006	Sb (217.582 nm)	> 100.00	0.0016 u (ppm)	0.2586
5/6/2019 18:41:25	R1903954-006	Se (196.026 nm)	> 100.00	-0.0035 u (ppm)	2.2602
5/6/2019 18:41:25	R1903954-006	Sn (189.925 nm)	5.53	0.0413 (ppm)	29.0041
5/6/2019 18:41:25	R1903954-006	Sr (216.596 nm)	0.05	0.4514 (ppm)	4827.1194
5/6/2019 18:41:25	R1903954-006	Ti (336.122 nm)	3.40	1.9813 (ppm)	498426.8753
5/6/2019 18:41:25	R1903954-006	Tl (351.923 nm)	3.23	-0.0151 u (ppm)	-50.0628
5/6/2019 18:41:25	R1903954-006	V (292.401 nm)	0.62	0.1448 (ppm)	4773.0855
5/6/2019 18:41:25	R1903954-006	Y (360.074 nm)	0.68	1.00 (Ratio)	933287.09
5/6/2019 18:41:25	R1903954-006	Y_R (360.074 nm)	0.68	1.00 (Ratio)	931815.77
5/6/2019 18:41:25	R1903954-006	Zn (213.857 nm)	0.71	0.4049 (ppm)	14162.9370
5/6/2019 18:44:46	R1903954-008	Ag (328.068 nm)	13.57	0.0004 (ppm)	-121.5587
5/6/2019 18:44:46	R1903954-008	Al (394.401 nm)	0.17	31.8418 o (ppm)	540459.9108
5/6/2019 18:44:46	R1903954-008	As (188.980 nm)	0.95	0.0860 (ppm)	58.1973
5/6/2019 18:44:46	R1903954-008	B (249.772 nm)	0.32	0.0979 (ppm)	4093.5530
5/6/2019 18:44:46	R1903954-008	Ba (230.424 nm)	0.16	0.6714 (ppm)	33256.4718
5/6/2019 18:44:46	R1903954-008	Be (313.107 nm)	0.49	0.0020 (ppm)	2450.2693
5/6/2019 18:44:46	R1903954-008	Ca (227.547 nm)	0.24	465.7389 o (ppm)	28060.0889
5/6/2019 18:44:46	R1903954-008	Cd (214.439 nm)	2.21	0.0101 (ppm)	224.9253
5/6/2019 18:44:46	R1903954-008	Co (230.786 nm)	1.08	0.0272 (ppm)	351.8655

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:44:46	R1903954-008	Cr (267.716 nm)	0.41	0.0653 (ppm)	2803.0030
5/6/2019 18:44:46	R1903954-008	Cu (327.395 nm)	0.10	0.1998 (ppm)	13028.8419
5/6/2019 18:44:46	R1903954-008	Fe (234.350 nm)	0.54	84.9073 o (ppm)	963807.8430
5/6/2019 18:44:46	R1903954-008	K (766.491 nm)	0.39	9.2607 (ppm)	33554.8690
5/6/2019 18:44:46	R1903954-008	Mg (279.078 nm)	0.07	167.8701 o (ppm)	397111.0744
5/6/2019 18:44:46	R1903954-008	Mn (257.610 nm)	0.30	2.1800 o (ppm)	716084.1054
5/6/2019 18:44:46	R1903954-008	Mo (202.032 nm)	1.25	0.0080 (ppm)	51.3815
5/6/2019 18:44:46	R1903954-008	Na (588.995 nm)	0.73	2.4902 (ppm)	104839.7783
5/6/2019 18:44:46	R1903954-008	Ni (230.299 nm)	0.94	0.0632 (ppm)	652.9444
5/6/2019 18:44:46	R1903954-008	Pb (220.353 nm)	0.13	2.8413 o (ppm)	8498.3725
5/6/2019 18:44:46	R1903954-008	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-0.6270
5/6/2019 18:44:46	R1903954-008	Se (196.026 nm)	> 100.00	-0.0034 u (ppm)	2.3171
5/6/2019 18:44:46	R1903954-008	Sn (189.925 nm)	7.35	0.0345 (ppm)	23.8971
5/6/2019 18:44:46	R1903954-008	Sr (216.596 nm)	0.40	0.4949 (ppm)	5292.4819
5/6/2019 18:44:46	R1903954-008	Ti (336.122 nm)	0.41	1.1520 (ppm)	289745.3163
5/6/2019 18:44:46	R1903954-008	Ti (351.923 nm)	9.06	0.0119 (ppm)	27.4051
5/6/2019 18:44:46	R1903954-008	V (292.401 nm)	0.07	0.1191 (ppm)	3934.3522
5/6/2019 18:44:46	R1903954-008	Y (360.074 nm)	0.50	0.93 (Ratio)	869090.43
5/6/2019 18:44:46	R1903954-008	Y_R (360.074 nm)	0.50	0.93 (Ratio)	867960.75
5/6/2019 18:44:46	R1903954-008	Zn (213.857 nm)	0.16	2.3955 o (ppm)	83863.8332
5/6/2019 18:48:06	R1903954-010	Ag (328.068 nm)	10.56	0.0007 (ppm)	-96.6208
5/6/2019 18:48:06	R1903954-010	Al (394.401 nm)	0.34	36.1436 o (ppm)	613449.8897
5/6/2019 18:48:06	R1903954-010	As (188.980 nm)	3.98	0.0510 (ppm)	33.7604
5/6/2019 18:48:06	R1903954-010	B (249.772 nm)	0.18	0.1009 (ppm)	4216.8384
5/6/2019 18:48:06	R1903954-010	Ba (230.424 nm)	0.23	1.1960 (ppm)	59239.8514
5/6/2019 18:48:06	R1903954-010	Be (313.107 nm)	1.31	0.0021 (ppm)	2605.9785
5/6/2019 18:48:06	R1903954-010	Ca (227.547 nm)	0.10	587.5277 o (ppm)	35397.1555
5/6/2019 18:48:06	R1903954-010	Cd (214.439 nm)	1.41	0.0113 (ppm)	251.6775
5/6/2019 18:48:06	R1903954-010	Co (230.786 nm)	0.40	0.0320 (ppm)	414.6878
5/6/2019 18:48:06	R1903954-010	Cr (267.716 nm)	0.56	0.0791 (ppm)	3395.3269
5/6/2019 18:48:06	R1903954-010	Cu (327.395 nm)	0.52	0.2681 (ppm)	17475.2702
5/6/2019 18:48:06	R1903954-010	Fe (234.350 nm)	0.25	89.3815 o (ppm)	1014595.2319
5/6/2019 18:48:06	R1903954-010	K (766.491 nm)	0.60	9.0538 (ppm)	32803.0738
5/6/2019 18:48:06	R1903954-010	Mg (279.078 nm)	0.47	230.5715 o (ppm)	545434.1079
5/6/2019 18:48:06	R1903954-010	Mn (257.610 nm)	0.27	2.5612 o (ppm)	874120.1373
5/6/2019 18:48:06	R1903954-010	Mo (202.032 nm)	3.40	0.0055 (ppm)	36.2813
5/6/2019 18:48:06	R1903954-010	Na (588.995 nm)	0.42	1.7674 (ppm)	71760.5779
5/6/2019 18:48:06	R1903954-010	Ni (230.299 nm)	1.39	0.0757 (ppm)	785.2718
5/6/2019 18:48:06	R1903954-010	Pb (220.353 nm)	0.18	2.0123 o (ppm)	6019.8722
5/6/2019 18:48:06	R1903954-010	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-1.4288
5/6/2019 18:48:06	R1903954-010	Se (196.026 nm)	82.87	-0.0088 u (ppm)	-0.4079
5/6/2019 18:48:06	R1903954-010	Sn (189.925 nm)	1.02	0.0528 (ppm)	37.7567
5/6/2019 18:48:06	R1903954-010	Sr (216.596 nm)	0.25	0.6078 (ppm)	6499.9413
5/6/2019 18:48:06	R1903954-010	Ti (336.122 nm)	0.34	1.2666 (ppm)	318593.2251
5/6/2019 18:48:06	R1903954-010	Ti (351.923 nm)	16.57	0.0131 (ppm)	30.9295
5/6/2019 18:48:06	R1903954-010	V (292.401 nm)	0.14	0.1927 (ppm)	6336.8331
5/6/2019 18:48:06	R1903954-010	Y (360.074 nm)	0.38	0.95 (Ratio)	880655.16
5/6/2019 18:48:06	R1903954-010	Y_R (360.074 nm)	0.37	0.95 (Ratio)	879457.94
5/6/2019 18:48:06	R1903954-010	Zn (213.857 nm)	0.56	1.9417 (ppm)	67974.3069
5/6/2019 18:51:26	R1903890-001 10X	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-152.7611
5/6/2019 18:51:26	R1903890-001 10X	Al (394.401 nm)	7.02	0.0133 (ppm)	415.8637

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:51:26	R1903890-001 10X	As (188.980 nm)	52.95	0.0036 (ppm)	0.7486
5/6/2019 18:51:26	R1903890-001 10X	B (249.772 nm)	> 100.00	-0.0001 u (ppm)	57.9167
5/6/2019 18:51:26	R1903890-001 10X	Ba (230.424 nm)	5.55	0.0011 (ppm)	60.7586
5/6/2019 18:51:26	R1903890-001 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-309.6582
5/6/2019 18:51:26	R1903890-001 10X	Ca (227.547 nm)	20.17	0.1696 (ppm)	12.2446
5/6/2019 18:51:26	R1903890-001 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.3464
5/6/2019 18:51:26	R1903890-001 10X	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.4546
5/6/2019 18:51:26	R1903890-001 10X	Cr (267.716 nm)	15.58	0.0009 (ppm)	53.3470
5/6/2019 18:51:26	R1903890-001 10X	Cu (327.395 nm)	16.83	0.0007 (ppm)	55.0011
5/6/2019 18:51:26	R1903890-001 10X	Fe (234.350 nm)	9.38	0.0309 (ppm)	372.0423
5/6/2019 18:51:26	R1903890-001 10X	K (766.491 nm)	13.80	0.0518 (ppm)	89.3794
5/6/2019 18:51:26	R1903890-001 10X	Mg (279.078 nm)	4.41	0.0430 (ppm)	108.0771
5/6/2019 18:51:26	R1903890-001 10X	Mn (257.610 nm)	4.48	0.0007 (ppm)	244.4118
5/6/2019 18:51:26	R1903890-001 10X	Mo (202.032 nm)	37.67	0.0002 (ppm)	4.6121
5/6/2019 18:51:26	R1903890-001 10X	Na (588.995 nm)	0.99	0.3714 (ppm)	7870.1862
5/6/2019 18:51:26	R1903890-001 10X	Ni (230.299 nm)	11.61	0.0011 (ppm)	-2.8044
5/6/2019 18:51:26	R1903890-001 10X	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	2.9188
5/6/2019 18:51:26	R1903890-001 10X	Sb (217.582 nm)	99.98	0.0014 u (ppm)	0.0429
5/6/2019 18:51:26	R1903890-001 10X	Se (196.026 nm)	> 100.00	-0.0004 u (ppm)	3.8173
5/6/2019 18:51:26	R1903890-001 10X	Sn (189.925 nm)	17.28	0.0022 (ppm)	-0.5838
5/6/2019 18:51:26	R1903890-001 10X	Sr (216.596 nm)	64.71	0.0005 (ppm)	4.2601
5/6/2019 18:51:26	R1903890-001 10X	Ti (336.122 nm)	13.01	0.0011 (ppm)	162.8294
5/6/2019 18:51:26	R1903890-001 10X	Tl (351.923 nm)	> 100.00	0.0016 (ppm)	-2.0434
5/6/2019 18:51:26	R1903890-001 10X	V (292.401 nm)	77.34	0.0002 (ppm)	49.5815
5/6/2019 18:51:26	R1903890-001 10X	Y (360.074 nm)	0.30	1.02 (Ratio)	945251.96
5/6/2019 18:51:26	R1903890-001 10X	Y_R (360.074 nm)	0.29	1.02 (Ratio)	943683.90
5/6/2019 18:51:26	R1903890-001 10X	Zn (213.857 nm)	0.79	0.0148 (ppm)	505.7757
5/6/2019 18:54:45	R1903890-002 10X	Ag (328.068 nm)	52.77	0.0001 (ppm)	-142.6019
5/6/2019 18:54:45	R1903890-002 10X	Al (394.401 nm)	12.23	0.0039 (ppm)	257.0423
5/6/2019 18:54:45	R1903890-002 10X	As (188.980 nm)	88.00	0.0018 (ppm)	-0.5088
5/6/2019 18:54:45	R1903890-002 10X	B (249.772 nm)	41.66	-0.0004 u (ppm)	45.8851
5/6/2019 18:54:45	R1903890-002 10X	Ba (230.424 nm)	6.27	0.0004 (ppm)	25.1383
5/6/2019 18:54:45	R1903890-002 10X	Be (313.107 nm)	99.12	0.0000 u (ppm)	-319.4617
5/6/2019 18:54:45	R1903890-002 10X	Ca (227.547 nm)	46.24	0.0461 (ppm)	4.8049
5/6/2019 18:54:45	R1903890-002 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.3269
5/6/2019 18:54:45	R1903890-002 10X	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	-1.2854
5/6/2019 18:54:45	R1903890-002 10X	Cr (267.716 nm)	22.40	0.0004 (ppm)	28.3392
5/6/2019 18:54:45	R1903890-002 10X	Cu (327.395 nm)	6.69	0.0002 (ppm)	22.6331
5/6/2019 18:54:45	R1903890-002 10X	Fe (234.350 nm)	4.13	0.0113 (ppm)	148.7173
5/6/2019 18:54:45	R1903890-002 10X	K (766.491 nm)	15.31	0.0322 (ppm)	18.3871
5/6/2019 18:54:45	R1903890-002 10X	Mg (279.078 nm)	8.87	0.0125 (ppm)	36.0373
5/6/2019 18:54:45	R1903890-002 10X	Mn (257.610 nm)	3.49	0.0003 (ppm)	112.1805
5/6/2019 18:54:45	R1903890-002 10X	Mo (202.032 nm)	> 100.00	-0.0002 u (ppm)	2.3411
5/6/2019 18:54:45	R1903890-002 10X	Na (588.995 nm)	3.55	0.0107 (ppm)	-8637.3668
5/6/2019 18:54:45	R1903890-002 10X	Ni (230.299 nm)	> 100.00	0.0004 u (ppm)	-10.7600
5/6/2019 18:54:45	R1903890-002 10X	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	2.5581
5/6/2019 18:54:45	R1903890-002 10X	Sb (217.582 nm)	> 100.00	0.0006 u (ppm)	-0.8962
5/6/2019 18:54:45	R1903890-002 10X	Se (196.026 nm)	> 100.00	-0.0038 u (ppm)	2.1180
5/6/2019 18:54:45	R1903890-002 10X	Sn (189.925 nm)	45.01	0.0035 (ppm)	0.4270
5/6/2019 18:54:45	R1903890-002 10X	Sr (216.596 nm)	> 100.00	-0.0001 u (ppm)	-2.0402
5/6/2019 18:54:45	R1903890-002 10X	Ti (336.122 nm)	6.56	0.0004 (ppm)	-4.6444

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 18:54:45	R1903890-002 10X	Ti (351.923 nm)	> 100.00	0.0018 u (ppm)	-1.6542
5/6/2019 18:54:45	R1903890-002 10X	V (292.401 nm)	> 100.00	0.0001 u (ppm)	46.5184
5/6/2019 18:54:45	R1903890-002 10X	Y (360.074 nm)	0.33	1.01 (Ratio)	943276.46
5/6/2019 18:54:45	R1903890-002 10X	Y_R (360.074 nm)	0.32	1.01 (Ratio)	941623.40
5/6/2019 18:54:45	R1903890-002 10X	Zn (213.857 nm)	1.84	0.0022 (ppm)	63.4889
5/6/2019 18:58:05	R1903954-001 10X	Ag (328.068 nm)	41.74	0.0004 (ppm)	-120.3858
5/6/2019 18:58:05	R1903954-001 10X	Al (394.401 nm)	0.38	6.7339 (ppm)	114446.2921
5/6/2019 18:58:05	R1903954-001 10X	As (188.980 nm)	35.15	0.0060 (ppm)	2.3811
5/6/2019 18:58:05	R1903954-001 10X	B (249.772 nm)	0.83	0.0095 (ppm)	450.4250
5/6/2019 18:58:05	R1903954-001 10X	Ba (230.424 nm)	0.65	0.1973 (ppm)	9776.1726
5/6/2019 18:58:05	R1903954-001 10X	Be (313.107 nm)	1.53	0.0006 (ppm)	468.1997
5/6/2019 18:58:05	R1903954-001 10X	Ca (227.547 nm)	0.38	25.3686 (ppm)	1530.3379
5/6/2019 18:58:05	R1903954-001 10X	Cd (214.439 nm)	17.33	0.0007 (ppm)	21.9544
5/6/2019 18:58:05	R1903954-001 10X	Co (230.786 nm)	5.73	0.0070 (ppm)	87.5970
5/6/2019 18:58:05	R1903954-001 10X	Cr (267.716 nm)	0.93	0.0085 (ppm)	374.9479
5/6/2019 18:58:05	R1903954-001 10X	Cu (327.395 nm)	0.54	0.0467 (ppm)	3049.6544
5/6/2019 18:58:05	R1903954-001 10X	Fe (234.350 nm)	0.07	10.0211 (ppm)	113771.1800
5/6/2019 18:58:05	R1903954-001 10X	K (766.491 nm)	1.08	0.6017 (ppm)	2087.7463
5/6/2019 18:58:05	R1903954-001 10X	Mg (279.078 nm)	0.20	9.3038 (ppm)	22015.0688
5/6/2019 18:58:05	R1903954-001 10X	Mn (257.610 nm)	0.02	0.2310 (ppm)	75889.7532
5/6/2019 18:58:05	R1903954-001 10X	Mo (202.032 nm)	27.57	0.0013 (ppm)	11.1957
5/6/2019 18:58:05	R1903954-001 10X	Na (588.995 nm)	0.39	0.6554 (ppm)	20867.6153
5/6/2019 18:58:05	R1903954-001 10X	Ni (230.299 nm)	3.86	0.0116 (ppm)	108.1881
5/6/2019 18:58:05	R1903954-001 10X	Pb (220.353 nm)	0.05	3.7981 o (ppm)	11359.2810
5/6/2019 18:58:05	R1903954-001 10X	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-1.7462
5/6/2019 18:58:05	R1903954-001 10X	Se (196.026 nm)	77.26	-0.0052 u (ppm)	1.4151
5/6/2019 18:58:05	R1903954-001 10X	Sn (189.925 nm)	1.69	0.1585 (ppm)	117.8417
5/6/2019 18:58:05	R1903954-001 10X	Sr (216.596 nm)	1.79	0.0764 (ppm)	815.4359
5/6/2019 18:58:05	R1903954-001 10X	Ti (336.122 nm)	1.79	0.1697 (ppm)	42588.4825
5/6/2019 18:58:05	R1903954-001 10X	Ti (351.923 nm)	> 100.00	-0.0015 u (ppm)	-11.0470
5/6/2019 18:58:05	R1903954-001 10X	V (292.401 nm)	1.34	0.0174 (ppm)	612.3962
5/6/2019 18:58:05	R1903954-001 10X	Y (360.074 nm)	0.54	0.99 (Ratio)	925823.58
5/6/2019 18:58:05	R1903954-001 10X	Y_R (360.074 nm)	0.54	0.99 (Ratio)	924206.82
5/6/2019 18:58:05	R1903954-001 10X	Zn (213.857 nm)	0.35	0.1924 (ppm)	6724.3654
5/6/2019 19:01:25	R1903954-001S 10X	Ag (328.068 nm)	1.54	0.0054 (ppm)	255.1196
5/6/2019 19:01:25	R1903954-001S 10X	Al (394.401 nm)	0.46	4.1763 (ppm)	71051.3125
5/6/2019 19:01:25	R1903954-001S 10X	As (188.980 nm)	5.80	0.0275 (ppm)	17.4178
5/6/2019 19:01:25	R1903954-001S 10X	B (249.772 nm)	0.14	0.1209 (ppm)	5038.7853
5/6/2019 19:01:25	R1903954-001S 10X	Ba (230.424 nm)	0.25	0.3090 (ppm)	15306.2571
5/6/2019 19:01:25	R1903954-001S 10X	Be (313.107 nm)	0.06	0.0053 (ppm)	7004.5909
5/6/2019 19:01:25	R1903954-001S 10X	Ca (227.547 nm)	0.70	9.0497 (ppm)	547.2216
5/6/2019 19:01:25	R1903954-001S 10X	Cd (214.439 nm)	2.19	0.0064 (ppm)	143.9659
5/6/2019 19:01:25	R1903954-001S 10X	Co (230.786 nm)	0.41	0.0625 (ppm)	813.4849
5/6/2019 19:01:25	R1903954-001S 10X	Cr (267.716 nm)	0.28	0.0327 (ppm)	1408.3769
5/6/2019 19:01:25	R1903954-001S 10X	Cu (327.395 nm)	0.68	0.0734 (ppm)	4793.8979
5/6/2019 19:01:25	R1903954-001S 10X	Fe (234.350 nm)	0.20	42.8605 o (ppm)	486533.0159
5/6/2019 19:01:25	R1903954-001S 10X	K (766.491 nm)	0.47	2.2863 (ppm)	8209.7390
5/6/2019 19:01:25	R1903954-001S 10X	Mg (279.078 nm)	0.27	3.3201 (ppm)	7860.3158
5/6/2019 19:01:25	R1903954-001S 10X	Mn (257.610 nm)	0.05	0.2055 (ppm)	67528.2752
5/6/2019 19:01:25	R1903954-001S 10X	Mo (202.032 nm)	0.76	0.0534 (ppm)	322.1290
5/6/2019 19:01:25	R1903954-001S 10X	Na (588.995 nm)	0.45	2.3904 (ppm)	100273.8024

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:01:25	R1903954-001S 10X	Ni (230.299 nm)	0.71	0.0705 (ppm)	729.9282
5/6/2019 19:01:25	R1903954-001S 10X	Pb (220.353 nm)	0.04	7.0965 o (ppm)	21221.6825
5/6/2019 19:01:25	R1903954-001S 10X	Sb (217.582 nm)	1.68	0.0409 (ppm)	46.8576
5/6/2019 19:01:25	R1903954-001S 10X	Se (196.026 nm)	4.30	0.0939 (ppm)	51.0726
5/6/2019 19:01:25	R1903954-001S 10X	Sn (189.925 nm)	0.47	1.6882 (ppm)	1276.6628
5/6/2019 19:01:25	R1903954-001S 10X	Sr (216.596 nm)	0.24	0.2636 (ppm)	2817.8417
5/6/2019 19:01:25	R1903954-001S 10X	Ti (336.122 nm)	0.97	0.2273 (ppm)	57080.9667
5/6/2019 19:01:25	R1903954-001S 10X	Tl (351.923 nm)	1.08	0.1936 (ppm)	548.7599
5/6/2019 19:01:25	R1903954-001S 10X	V (292.401 nm)	0.27	0.0752 (ppm)	2499.8151
5/6/2019 19:01:25	R1903954-001S 10X	Y (360.074 nm)	0.41	1.00 (Ratio)	927396.45
5/6/2019 19:01:25	R1903954-001S 10X	Y_R (360.074 nm)	0.41	1.00 (Ratio)	925637.42
5/6/2019 19:01:25	R1903954-001S 10X	Zn (213.857 nm)	0.57	0.2189 (ppm)	7653.1525
5/6/2019 19:04:44	R1903954-001SD 10X	Ag (328.068 nm)	2.22	0.0058 (ppm)	282.7813
5/6/2019 19:04:44	R1903954-001SD 10X	Al (394.401 nm)	0.63	4.4385 (ppm)	75500.9352
5/6/2019 19:04:44	R1903954-001SD 10X	As (188.980 nm)	7.28	0.0195 (ppm)	11.8000
5/6/2019 19:04:44	R1903954-001SD 10X	B (249.772 nm)	0.38	0.1094 (ppm)	4567.4110
5/6/2019 19:04:44	R1903954-001SD 10X	Ba (230.424 nm)	0.22	0.3106 (ppm)	15389.8261
5/6/2019 19:04:44	R1903954-001SD 10X	Be (313.107 nm)	0.03	0.0054 (ppm)	7075.6468
5/6/2019 19:04:44	R1903954-001SD 10X	Ca (227.547 nm)	0.26	49.4427 (ppm)	2980.6624
5/6/2019 19:04:44	R1903954-001SD 10X	Cd (214.439 nm)	0.49	0.0056 (ppm)	127.6484
5/6/2019 19:04:44	R1903954-001SD 10X	Co (230.786 nm)	0.65	0.0561 (ppm)	729.6222
5/6/2019 19:04:44	R1903954-001SD 10X	Cr (267.716 nm)	0.21	0.0302 (ppm)	1305.4846
5/6/2019 19:04:44	R1903954-001SD 10X	Cu (327.395 nm)	1.04	0.0765 (ppm)	4995.5641
5/6/2019 19:04:44	R1903954-001SD 10X	Fe (234.350 nm)	0.10	16.4257 o (ppm)	186470.0844
5/6/2019 19:04:44	R1903954-001SD 10X	K (766.491 nm)	0.67	2.4895 (ppm)	8948.2847
5/6/2019 19:04:44	R1903954-001SD 10X	Mg (279.078 nm)	0.17	25.1217 (ppm)	59432.9970
5/6/2019 19:04:44	R1903954-001SD 10X	Mn (257.610 nm)	0.19	0.2749 (ppm)	90301.7916
5/6/2019 19:04:44	R1903954-001SD 10X	Mo (202.032 nm)	0.70	0.0515 (ppm)	311.0241
5/6/2019 19:04:44	R1903954-001SD 10X	Na (588.995 nm)	0.63	2.3741 (ppm)	99528.2620
5/6/2019 19:04:44	R1903954-001SD 10X	Ni (230.299 nm)	0.75	0.0613 (ppm)	633.4901
5/6/2019 19:04:44	R1903954-001SD 10X	Pb (220.353 nm)	0.01	14.1680 o (ppm)	42365.4143
5/6/2019 19:04:44	R1903954-001SD 10X	Sb (217.582 nm)	4.57	0.0432 (ppm)	49.5449
5/6/2019 19:04:44	R1903954-001SD 10X	Se (196.026 nm)	2.99	0.0958 (ppm)	51.9986
5/6/2019 19:04:44	R1903954-001SD 10X	Sn (189.925 nm)	0.37	0.9816 (ppm)	741.3984
5/6/2019 19:04:44	R1903954-001SD 10X	Sr (216.596 nm)	0.39	0.2767 (ppm)	2958.2418
5/6/2019 19:04:44	R1903954-001SD 10X	Ti (336.122 nm)	0.64	0.1775 (ppm)	44555.5187
5/6/2019 19:04:44	R1903954-001SD 10X	Tl (351.923 nm)	1.61	0.1958 (ppm)	555.0450
5/6/2019 19:04:44	R1903954-001SD 10X	V (292.401 nm)	0.66	0.0718 (ppm)	2388.2962
5/6/2019 19:04:44	R1903954-001SD 10X	Y (360.074 nm)	0.51	0.98 (Ratio)	907792.74
5/6/2019 19:04:44	R1903954-001SD 10X	Y_R (360.074 nm)	0.51	0.98 (Ratio)	906169.58
5/6/2019 19:04:44	R1903954-001SD 10X	Zn (213.857 nm)	0.85	0.2390 (ppm)	8355.2138
5/6/2019 19:08:04	R1903954-001A 10X	Ag (328.068 nm)	0.10	0.0479 (ppm)	3441.1383
5/6/2019 19:08:04	R1903954-001A 10X	Al (394.401 nm)	0.27	8.3104 (ppm)	141195.3651
5/6/2019 19:08:04	R1903954-001A 10X	As (188.980 nm)	16.80	0.0457 (ppm)	30.0506
5/6/2019 19:08:04	R1903954-001A 10X	B (249.772 nm)	0.17	0.9560 (ppm)	39431.9002
5/6/2019 19:08:04	R1903954-001A 10X	Ba (230.424 nm)	0.23	2.1513 (ppm)	106553.5007
5/6/2019 19:08:04	R1903954-001A 10X	Be (313.107 nm)	0.17	0.0481 (ppm)	65581.9541
5/6/2019 19:08:04	R1903954-001A 10X	Ca (227.547 nm)	0.58	25.8913 (ppm)	1561.8265
5/6/2019 19:08:04	R1903954-001A 10X	Cd (214.439 nm)	0.51	0.0477 (ppm)	1038.0596
5/6/2019 19:08:04	R1903954-001A 10X	Co (230.786 nm)	0.20	0.4962 (ppm)	6481.7940
5/6/2019 19:08:04	R1903954-001A 10X	Cr (267.716 nm)	0.02	0.2036 (ppm)	8714.2570

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:08:04	R1903954-001A 10X	Cu (327.395 nm)	0.47	0.2823 (ppm)	18401.2827
5/6/2019 19:08:04	R1903954-001A 10X	Fe (234.350 nm)	0.04	10.2292 (ppm)	116132.9618
5/6/2019 19:08:04	R1903954-001A 10X	K (766.491 nm)	0.39	19.4285 (ppm)	70505.3145
5/6/2019 19:08:04	R1903954-001A 10X	Mg (279.078 nm)	0.20	10.4984 (ppm)	24840.8084
5/6/2019 19:08:04	R1903954-001A 10X	Mn (257.610 nm)	0.08	0.6941 (ppm)	228009.2773
5/6/2019 19:08:04	R1903954-001A 10X	Mo (202.032 nm)	0.17	0.4883 (ppm)	2920.2514
5/6/2019 19:08:04	R1903954-001A 10X	Na (588.995 nm)	0.39	19.7597 (ppm)	895205.0282
5/6/2019 19:08:04	R1903954-001A 10X	Ni (230.299 nm)	0.05	0.4860 (ppm)	5120.9850
5/6/2019 19:08:04	R1903954-001A 10X	Pb (220.353 nm)	0.14	3.9857 u (ppm)	11920.3417
5/6/2019 19:08:04	R1903954-001A 10X	Sb (217.582 nm)	0.22	0.4577 (ppm)	540.1803
5/6/2019 19:08:04	R1903954-001A 10X	Se (196.026 nm)	0.50	0.9975 (ppm)	503.7422
5/6/2019 19:08:04	R1903954-001A 10X	Sn (189.925 nm)	0.16	4.9377 (ppm)	3738.4716
5/6/2019 19:08:04	R1903954-001A 10X	Sr (216.596 nm)	0.08	1.9803 (ppm)	21180.5889
5/6/2019 19:08:04	R1903954-001A 10X	Ti (336.122 nm)	0.50	0.6576 (ppm)	165358.1065
5/6/2019 19:08:04	R1903954-001A 10X	Tl (351.923 nm)	0.28	1.8817 (ppm)	5392.3706
5/6/2019 19:08:04	R1903954-001A 10X	V (292.401 nm)	0.17	0.4972 (ppm)	16282.3127
5/6/2019 19:08:04	R1903954-001A 10X	Y (360.074 nm)	0.45	0.97 (Ratio)	906748.36
5/6/2019 19:08:04	R1903954-001A 10X	Y_R (360.074 nm)	0.45	0.97 (Ratio)	905120.39
5/6/2019 19:08:04	R1903954-001A 10X	Zn (213.857 nm)	0.25	0.6484 (ppm)	22689.7407
5/6/2019 19:11:23	R1903954-001L 10X	Ag (328.068 nm)	53.42	0.0001 (ppm)	-142.9273
5/6/2019 19:11:23	R1903954-001L 10X	Al (394.401 nm)	0.24	1.2901 (ppm)	22080.4945
5/6/2019 19:11:23	R1903954-001L 10X	As (188.980 nm)	> 100.00	0.0004 u (ppm)	-1.5004
5/6/2019 19:11:23	R1903954-001L 10X	B (249.772 nm)	9.33	0.0018 (ppm)	135.7089
5/6/2019 19:11:23	R1903954-001L 10X	Ba (230.424 nm)	0.43	0.0393 (ppm)	1949.5853
5/6/2019 19:11:23	R1903954-001L 10X	Be (313.107 nm)	2.93	0.0001 (ppm)	-157.2419
5/6/2019 19:11:23	R1903954-001L 10X	Ca (227.547 nm)	1.34	4.9277 (ppm)	298.8906
5/6/2019 19:11:23	R1903954-001L 10X	Cd (214.439 nm)	95.39	0.0002 (ppm)	10.3222
5/6/2019 19:11:23	R1903954-001L 10X	Co (230.786 nm)	22.74	0.0015 (ppm)	15.3215
5/6/2019 19:11:23	R1903954-001L 10X	Cr (267.716 nm)	6.15	0.0016 (ppm)	80.8363
5/6/2019 19:11:23	R1903954-001L 10X	Cu (327.395 nm)	1.11	0.0092 (ppm)	608.9168
5/6/2019 19:11:23	R1903954-001L 10X	Fe (234.350 nm)	0.07	1.9964 (ppm)	22681.9315
5/6/2019 19:11:23	R1903954-001L 10X	K (766.491 nm)	1.01	0.1181 (ppm)	330.5266
5/6/2019 19:11:23	R1903954-001L 10X	Mg (279.078 nm)	0.09	1.8366 (ppm)	4350.8607
5/6/2019 19:11:23	R1903954-001L 10X	Mn (257.610 nm)	0.21	0.0461 (ppm)	15175.1391
5/6/2019 19:11:23	R1903954-001L 10X	Mo (202.032 nm)	17.73	0.0011 (ppm)	9.9645
5/6/2019 19:11:23	R1903954-001L 10X	Na (588.995 nm)	1.04	0.1404 (ppm)	-2704.2279
5/6/2019 19:11:23	R1903954-001L 10X	Ni (230.299 nm)	10.37	0.0023 (ppm)	9.1568
5/6/2019 19:11:23	R1903954-001L 10X	Pb (220.353 nm)	0.15	0.7584 (ppm)	2270.6018
5/6/2019 19:11:23	R1903954-001L 10X	Sb (217.582 nm)	> 100.00	0.0018 u (ppm)	0.5502
5/6/2019 19:11:23	R1903954-001L 10X	Se (196.026 nm)	69.00	-0.0028 u (ppm)	2.6052
5/6/2019 19:11:23	R1903954-001L 10X	Sn (189.925 nm)	3.01	0.0342 (ppm)	23.6246
5/6/2019 19:11:23	R1903954-001L 10X	Sr (216.596 nm)	2.07	0.0155 (ppm)	163.9795
5/6/2019 19:11:23	R1903954-001L 10X	Ti (336.122 nm)	4.04	0.0336 (ppm)	8342.1975
5/6/2019 19:11:23	R1903954-001L 10X	Tl (351.923 nm)	> 100.00	0.0024 u (ppm)	0.1027
5/6/2019 19:11:23	R1903954-001L 10X	V (292.401 nm)	4.99	0.0033 (ppm)	151.6149
5/6/2019 19:11:23	R1903954-001L 10X	Y (360.074 nm)	0.34	1.01 (Ratio)	938993.21
5/6/2019 19:11:23	R1903954-001L 10X	Y_R (360.074 nm)	0.35	1.01 (Ratio)	937165.60
5/6/2019 19:11:23	R1903954-001L 10X	Zn (213.857 nm)	0.22	0.0383 (ppm)	1328.6148
5/6/2019 19:14:43	Continuing Calibration Verification	Ag (328.068 nm)	0.21	0.4957 (ppm)	37016.9017
5/6/2019 19:14:43	Continuing Calibration Verification	Al (394.401 nm)	0.23	9.8013 (ppm)	166492.0301
5/6/2019 19:14:43	Continuing Calibration Verification	As (188.980 nm)	1.10	0.9600 (ppm)	667.7303

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:14:43	Continuing Calibration Verification	B (249.772 nm)	0.13	2.4374 (ppm)	100444.5095
5/6/2019 19:14:43	Continuing Calibration Verification	Ba (230.424 nm)	0.26	10.2573 (ppm)	508026.4377
5/6/2019 19:14:43	Continuing Calibration Verification	Be (313.107 nm)	0.50	0.2527 (ppm)	345883.8911
5/6/2019 19:14:43	Continuing Calibration Verification	Ca (227.547 nm)	0.35	24.8408 (ppm)	1498.5404
5/6/2019 19:14:43	Continuing Calibration Verification	Cd (214.439 nm)	0.05	0.4858 (ppm)	10501.9676
5/6/2019 19:14:43	Continuing Calibration Verification	Co (230.786 nm)	0.04	2.5920 (ppm)	33875.1376
5/6/2019 19:14:43	Continuing Calibration Verification	Cr (267.716 nm)	0.06	0.5016 (ppm)	21449.7792
5/6/2019 19:14:43	Continuing Calibration Verification	Cu (327.395 nm)	0.14	1.2380 (ppm)	80671.4453
5/6/2019 19:14:43	Continuing Calibration Verification	Fe (234.350 nm)	0.04	4.8618 (ppm)	55207.1446
5/6/2019 19:14:43	Continuing Calibration Verification	K (766.491 nm)	0.44	25.0253 (ppm)	90844.0831
5/6/2019 19:14:43	Continuing Calibration Verification	Mg (279.078 nm)	0.04	24.7638 (ppm)	58586.3705
5/6/2019 19:14:43	Continuing Calibration Verification	Mn (257.610 nm)	0.10	0.7465 (ppm)	245214.6253
5/6/2019 19:14:43	Continuing Calibration Verification	Mo (202.032 nm)	0.10	2.4240 (ppm)	14483.8670
5/6/2019 19:14:43	Continuing Calibration Verification	Na (588.995 nm)	0.71	25.3504 (ppm)	1151073.2754
5/6/2019 19:14:43	Continuing Calibration Verification	Ni (230.299 nm)	0.11	1.9705 (ppm)	20808.6232
5/6/2019 19:14:43	Continuing Calibration Verification	Pb (220.353 nm)	0.30	0.4965 (ppm)	1487.5070
5/6/2019 19:14:43	Continuing Calibration Verification	Sb (217.582 nm)	0.29	4.7980 (ppm)	5677.8111
5/6/2019 19:14:43	Continuing Calibration Verification	Se (196.026 nm)	1.16	0.4744 (ppm)	241.6860
5/6/2019 19:14:43	Continuing Calibration Verification	Sn (189.925 nm)	0.61	4.9105 (ppm)	3717.9042
5/6/2019 19:14:43	Continuing Calibration Verification	Sr (216.596 nm)	0.15	2.4991 (ppm)	26729.3904
5/6/2019 19:14:43	Continuing Calibration Verification	Ti (336.122 nm)	0.28	2.5155 (ppm)	632834.8046
5/6/2019 19:14:43	Continuing Calibration Verification	Tl (351.923 nm)	0.35	1.0241 (ppm)	2931.7214
5/6/2019 19:14:43	Continuing Calibration Verification	V (292.401 nm)	0.12	2.5445 (ppm)	83144.3573
5/6/2019 19:14:43	Continuing Calibration Verification	Y (360.074 nm)	0.47	0.96 (Ratio)	891519.83
5/6/2019 19:14:43	Continuing Calibration Verification	Y_R (360.074 nm)	0.47	0.96 (Ratio)	889869.07
5/6/2019 19:14:43	Continuing Calibration Verification	Zn (213.857 nm)	0.08	0.9676 (ppm)	33865.3432
5/6/2019 19:18:02	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-149.2863
5/6/2019 19:18:02	Continuing Calibration Blank	Al (394.401 nm)	18.41	0.0020 (ppm)	225.1266
5/6/2019 19:18:02	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0011 u (ppm)	-2.5880
5/6/2019 19:18:02	Continuing Calibration Blank	B (249.772 nm)	49.98	0.0006 (ppm)	86.1338
5/6/2019 19:18:02	Continuing Calibration Blank	Ba (230.424 nm)	8.80	0.0014 (ppm)	72.1618
5/6/2019 19:18:02	Continuing Calibration Blank	Be (313.107 nm)	19.74	0.0000 (ppm)	-264.6624
5/6/2019 19:18:02	Continuing Calibration Blank	Ca (227.547 nm)	79.31	0.0482 (ppm)	4.9314
5/6/2019 19:18:02	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	7.8222
5/6/2019 19:18:02	Continuing Calibration Blank	Co (230.786 nm)	39.37	0.0004 (ppm)	1.6590
5/6/2019 19:18:02	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0001 u (ppm)	17.3622
5/6/2019 19:18:02	Continuing Calibration Blank	Cu (327.395 nm)	41.06	0.0002 (ppm)	23.0007
5/6/2019 19:18:02	Continuing Calibration Blank	Fe (234.350 nm)	15.42	0.0026 (ppm)	50.6685
5/6/2019 19:18:02	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0051 (ppm)	-80.1514
5/6/2019 19:18:02	Continuing Calibration Blank	Mg (279.078 nm)	29.78	0.0029 (ppm)	13.1568
5/6/2019 19:18:02	Continuing Calibration Blank	Mn (257.610 nm)	18.00	0.0001 (ppm)	60.3519
5/6/2019 19:18:02	Continuing Calibration Blank	Mo (202.032 nm)	19.16	0.0029 (ppm)	20.4054
5/6/2019 19:18:02	Continuing Calibration Blank	Na (588.995 nm)	42.46	0.0052 (ppm)	-8889.8263
5/6/2019 19:18:02	Continuing Calibration Blank	Ni (230.299 nm)	38.24	0.0006 (ppm)	-8.5739
5/6/2019 19:18:02	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0004 u (ppm)	4.2788
5/6/2019 19:18:02	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0000 u (ppm)	-1.6261
5/6/2019 19:18:02	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	-0.0006 u (ppm)	3.7308
5/6/2019 19:18:02	Continuing Calibration Blank	Sn (189.925 nm)	35.21	0.0023 (ppm)	-0.5011
5/6/2019 19:18:02	Continuing Calibration Blank	Sr (216.596 nm)	13.76	0.0006 (ppm)	5.1871
5/6/2019 19:18:02	Continuing Calibration Blank	Ti (336.122 nm)	18.72	0.0017 (ppm)	314.3196
5/6/2019 19:18:02	Continuing Calibration Blank	Tl (351.923 nm)	79.67	0.0044 (ppm)	5.8926

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:18:02	Continuing Calibration Blank	V (292.401 nm)	39.15	0.0004 (ppm)	57.0941
5/6/2019 19:18:02	Continuing Calibration Blank	Y (360.074 nm)	1.00	1.01 (Ratio)	941724.23
5/6/2019 19:18:02	Continuing Calibration Blank	Y_R (360.074 nm)	0.99	1.01 (Ratio)	939534.39
5/6/2019 19:18:02	Continuing Calibration Blank	Zn (213.857 nm)	26.46	0.0003 (ppm)	-0.9713
5/6/2019 19:21:21	R1903954-003 10X	Ag (328.068 nm)	27.72	0.0003 (ppm)	-124.9579
5/6/2019 19:21:21	R1903954-003 10X	Al (394.401 nm)	0.24	3.4007 (ppm)	57891.9636
5/6/2019 19:21:21	R1903954-003 10X	As (188.980 nm)	> 100.00	0.0021 u (ppm)	-0.3242
5/6/2019 19:21:21	R1903954-003 10X	B (249.772 nm)	0.63	0.0061 (ppm)	312.6729
5/6/2019 19:21:21	R1903954-003 10X	Ba (230.424 nm)	0.27	0.0708 (ppm)	3512.2641
5/6/2019 19:21:21	R1903954-003 10X	Be (313.107 nm)	3.73	0.0003 (ppm)	163.0680
5/6/2019 19:21:21	R1903954-003 10X	Ca (227.547 nm)	0.58	16.9577 (ppm)	1023.6331
5/6/2019 19:21:21	R1903954-003 10X	Cd (214.439 nm)	70.41	0.0003 (ppm)	13.2236
5/6/2019 19:21:21	R1903954-003 10X	Co (230.786 nm)	10.55	0.0036 (ppm)	42.8773
5/6/2019 19:21:21	R1903954-003 10X	Cr (267.716 nm)	1.55	0.0059 (ppm)	265.2836
5/6/2019 19:21:21	R1903954-003 10X	Cu (327.395 nm)	0.09	0.0513 (ppm)	3349.2350
5/6/2019 19:21:21	R1903954-003 10X	Fe (234.350 nm)	0.07	6.9445 (ppm)	78847.9026
5/6/2019 19:21:21	R1903954-003 10X	K (766.491 nm)	1.39	0.3881 (ppm)	1311.4754
5/6/2019 19:21:21	R1903954-003 10X	Mg (279.078 nm)	0.15	2.7069 (ppm)	6409.6575
5/6/2019 19:21:21	R1903954-003 10X	Mn (257.610 nm)	0.10	0.2896 (ppm)	95129.3547
5/6/2019 19:21:21	R1903954-003 10X	Mo (202.032 nm)	18.10	0.0018 (ppm)	14.1671
5/6/2019 19:21:21	R1903954-003 10X	Na (588.995 nm)	0.29	0.2469 (ppm)	2172.8864
5/6/2019 19:21:21	R1903954-003 10X	Ni (230.299 nm)	2.57	0.0086 (ppm)	76.6657
5/6/2019 19:21:21	R1903954-003 10X	Pb (220.353 nm)	1.53	0.0890 (ppm)	269.2887
5/6/2019 19:21:21	R1903954-003 10X	Sb (217.582 nm)	> 100.00	0.0017 u (ppm)	0.3824
5/6/2019 19:21:21	R1903954-003 10X	Se (195.026 nm)	50.61	-0.0048 u (ppm)	1.6149
5/6/2019 19:21:21	R1903954-003 10X	Sn (189.925 nm)	24.40	0.0088 (ppm)	4.4114
5/6/2019 19:21:21	R1903954-003 10X	Sr (216.596 nm)	0.70	0.0682 (ppm)	728.6147
5/6/2019 19:21:21	R1903954-003 10X	Ti (336.122 nm)	0.65	0.2190 (ppm)	54998.2678
5/6/2019 19:21:21	R1903954-003 10X	Tl (351.923 nm)	> 100.00	-0.0005 u (ppm)	-8.2508
5/6/2019 19:21:21	R1903954-003 10X	V (292.401 nm)	3.21	0.0101 (ppm)	372.4579
5/6/2019 19:21:21	R1903954-003 10X	Y (360.074 nm)	0.57	1.00 (Ratio)	931658.56
5/6/2019 19:21:21	R1903954-003 10X	Y_R (360.074 nm)	0.56	1.00 (Ratio)	929476.27
5/6/2019 19:21:21	R1903954-003 10X	Zn (213.857 nm)	0.11	0.1135 (ppm)	3961.7743
5/6/2019 19:24:41	R1903954-006 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-148.8785
5/6/2019 19:24:41	R1903954-006 10X	Al (394.401 nm)	0.51	4.6532 (ppm)	79142.3216
5/6/2019 19:24:41	R1903954-006 10X	As (188.980 nm)	20.57	0.0068 (ppm)	2.9173
5/6/2019 19:24:41	R1903954-006 10X	B (249.772 nm)	1.27	0.0049 (ppm)	263.2175
5/6/2019 19:24:41	R1903954-006 10X	Ba (230.424 nm)	0.13	0.0415 (ppm)	2058.4714
5/6/2019 19:24:41	R1903954-006 10X	Be (313.107 nm)	0.84	0.0004 (ppm)	236.0602
5/6/2019 19:24:41	R1903954-006 10X	Ca (227.547 nm)	0.94	4.8016 (ppm)	291.2956
5/6/2019 19:24:41	R1903954-006 10X	Cd (214.439 nm)	46.70	0.0002 (ppm)	10.4738
5/6/2019 19:24:41	R1903954-006 10X	Co (230.786 nm)	3.33	0.0071 (ppm)	88.4198
5/6/2019 19:24:41	R1903954-006 10X	Cr (267.716 nm)	0.77	0.0083 (ppm)	366.0879
5/6/2019 19:24:41	R1903954-006 10X	Cu (327.395 nm)	0.33	0.0227 (ppm)	1486.3927
5/6/2019 19:24:41	R1903954-006 10X	Fe (234.350 nm)	0.18	4.8608 (ppm)	55196.0482
5/6/2019 19:24:41	R1903954-006 10X	K (766.491 nm)	1.39	0.6316 (ppm)	2196.6626
5/6/2019 19:24:41	R1903954-006 10X	Mg (279.078 nm)	0.18	1.3660 (ppm)	3237.8304
5/6/2019 19:24:41	R1903954-006 10X	Mn (257.610 nm)	0.18	0.2136 (ppm)	70162.6631
5/6/2019 19:24:41	R1903954-006 10X	Mo (202.032 nm)	22.39	0.0010 (ppm)	9.4888
5/6/2019 19:24:41	R1903954-006 10X	Na (588.995 nm)	0.65	0.2644 (ppm)	2972.3962
5/6/2019 19:24:41	R1903954-006 10X	Ni (230.299 nm)	2.01	0.0133 (ppm)	125.7049

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:24:41	R1903954-006 10X	Pb (220.353 nm)	2.15	0.0611 (ppm)	185.7561
5/6/2019 19:24:41	R1903954-006 10X	Sb (217.582 nm)	88.73	0.0028 (ppm)	1.7751
5/6/2019 19:24:41	R1903954-006 10X	Se (196.026 nm)	> 100.00	0.0025 (ppm)	5.2715
5/6/2019 19:24:41	R1903954-006 10X	Sn (189.925 nm)	30.52	0.0062 (ppm)	2.4516
5/6/2019 19:24:41	R1903954-006 10X	Sr (216.596 nm)	1.56	0.0460 (ppm)	490.4856
5/6/2019 19:24:41	R1903954-006 10X	Ti (336.122 nm)	2.96	0.1968 (ppm)	49408.4599
5/6/2019 19:24:41	R1903954-006 10X	Tl (351.923 nm)	> 100.00	-0.0016 u (ppm)	-11.1751
5/6/2019 19:24:41	R1903954-006 10X	V (292.401 nm)	1.66	0.0143 (ppm)	509.1128
5/6/2019 19:24:41	R1903954-006 10X	Y (360.074 nm)	0.36	1.01 (Ratio)	941131.69
5/6/2019 19:24:41	R1903954-006 10X	Y_R (360.074 nm)	0.36	1.01 (Ratio)	938882.50
5/6/2019 19:24:41	R1903954-006 10X	Zn (213.857 nm)	0.43	0.0412 (ppm)	1430.9993
5/6/2019 19:28:00	R1903954-008 10X	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-156.3370
5/6/2019 19:28:00	R1903954-008 10X	Al (394.401 nm)	0.18	2.9355 (ppm)	49998.3229
5/6/2019 19:28:00	R1903954-008 10X	As (188.980 nm)	10.10	0.0102 (ppm)	5.2966
5/6/2019 19:28:00	R1903954-008 10X	B (249.772 nm)	1.40	0.0098 (ppm)	463.8769
5/6/2019 19:28:00	R1903954-008 10X	Ba (230.424 nm)	0.57	0.0703 (ppm)	3488.3210
5/6/2019 19:28:00	R1903954-008 10X	Be (313.107 nm)	3.25	0.0002 (ppm)	-19.1537
5/6/2019 19:28:00	R1903954-008 10X	Ca (227.547 nm)	0.17	43.9435 (ppm)	2649.3706
5/6/2019 19:28:00	R1903954-008 10X	Cd (214.439 nm)	14.69	0.0011 (ppm)	29.8777
5/6/2019 19:28:00	R1903954-008 10X	Co (230.786 nm)	10.36	0.0023 (ppm)	25.7791
5/6/2019 19:28:00	R1903954-008 10X	Cr (267.716 nm)	2.02	0.0070 (ppm)	312.4365
5/6/2019 19:28:00	R1903954-008 10X	Cu (327.395 nm)	0.55	0.0192 (ppm)	1263.6031
5/6/2019 19:28:00	R1903954-008 10X	Fe (234.350 nm)	0.11	9.3432 (ppm)	106076.6661
5/6/2019 19:28:00	R1903954-008 10X	K (766.491 nm)	0.52	0.7837 (ppm)	2749.2082
5/6/2019 19:28:00	R1903954-008 10X	Mg (279.078 nm)	0.04	17.0316 (ppm)	40295.4598
5/6/2019 19:28:00	R1903954-008 10X	Mn (257.610 nm)	0.09	0.2329 (ppm)	76533.8410
5/6/2019 19:28:00	R1903954-008 10X	Mo (202.032 nm)	55.04	0.0003 (ppm)	5.1881
5/6/2019 19:28:00	R1903954-008 10X	Na (588.995 nm)	0.68	0.2157 (ppm)	743.9374
5/6/2019 19:28:00	R1903954-008 10X	Ni (230.299 nm)	3.92	0.0069 (ppm)	58.3331
5/6/2019 19:28:00	R1903954-008 10X	Pb (220.353 nm)	0.46	0.3094 (ppm)	928.2554
5/6/2019 19:28:00	R1903954-008 10X	Sb (217.582 nm)	> 100.00	0.0014 u (ppm)	0.0353
5/6/2019 19:28:00	R1903954-008 10X	Se (196.026 nm)	88.89	-0.0048 u (ppm)	1.5840
5/6/2019 19:28:00	R1903954-008 10X	Sn (189.925 nm)	44.34	0.0036 (ppm)	0.5064
5/6/2019 19:28:00	R1903954-008 10X	Sr (216.596 nm)	0.70	0.0529 (ppm)	564.2819
5/6/2019 19:28:00	R1903954-008 10X	Ti (336.122 nm)	0.74	0.1178 (ppm)	29536.5410
5/6/2019 19:28:00	R1903954-008 10X	Tl (351.923 nm)	> 100.00	0.0012 u (ppm)	-3.1837
5/6/2019 19:28:00	R1903954-008 10X	V (292.401 nm)	1.33	0.0118 (ppm)	430.6527
5/6/2019 19:28:00	R1903954-008 10X	Y (360.074 nm)	0.48	0.98 (Ratio)	913593.85
5/6/2019 19:28:00	R1903954-008 10X	Y_R (360.074 nm)	0.49	0.98 (Ratio)	911563.97
5/6/2019 19:28:00	R1903954-008 10X	Zn (213.857 nm)	0.75	0.2417 (ppm)	8448.6371
5/6/2019 19:31:20	R1903954-010 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-150.4928
5/6/2019 19:31:20	R1903954-010 10X	Al (394.401 nm)	0.26	3.3383 (ppm)	56832.7311
5/6/2019 19:31:20	R1903954-010 10X	As (188.980 nm)	> 100.00	0.0024 u (ppm)	-0.1332
5/6/2019 19:31:20	R1903954-010 10X	B (249.772 nm)	1.12	0.0098 (ppm)	465.6820
5/6/2019 19:31:20	R1903954-010 10X	Ba (230.424 nm)	0.11	0.1230 (ppm)	6096.2821
5/6/2019 19:31:20	R1903954-010 10X	Be (313.107 nm)	3.62	0.0002 (ppm)	-10.2596
5/6/2019 19:31:20	R1903954-010 10X	Ca (227.547 nm)	0.26	55.6899 u (ppm)	3357.0175
5/6/2019 19:31:20	R1903954-010 10X	Cd (214.439 nm)	10.62	0.0011 (ppm)	29.5624
5/6/2019 19:31:20	R1903954-010 10X	Co (230.786 nm)	13.00	0.0033 (ppm)	39.3198
5/6/2019 19:31:20	R1903954-010 10X	Cr (267.716 nm)	2.28	0.0080 (ppm)	354.4682
5/6/2019 19:31:20	R1903954-010 10X	Cu (327.395 nm)	0.72	0.0258 (ppm)	1691.2977

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:31:20	R1903954-010 10X	Fe (234.350 nm)	0.08	9.6460 (ppm)	109512.9024
5/6/2019 19:31:20	R1903954-010 10X	K (766.491 nm)	1.07	0.7581 (ppm)	2656.1127
5/6/2019 19:31:20	R1903954-010 10X	Mg (279.078 nm)	0.02	22.7607 (ppm)	53847.8509
5/6/2019 19:31:20	R1903954-010 10X	Mn (257.610 nm)	0.06	0.2793 (ppm)	91764.8507
5/6/2019 19:31:20	R1903954-010 10X	Mo (202.032 nm)	44.71	0.0003 (ppm)	4.9953
5/6/2019 19:31:20	R1903954-010 10X	Na (588.995 nm)	1.04	0.1526 (ppm)	-2144.8484
5/6/2019 19:31:20	R1903954-010 10X	Ni (230.299 nm)	6.87	0.0084 (ppm)	74.1806
5/6/2019 19:31:20	R1903954-010 10X	Pb (220.353 nm)	0.46	0.2116 (ppm)	635.7532
5/6/2019 19:31:20	R1903954-010 10X	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-0.5994
5/6/2019 19:31:20	R1903954-010 10X	Se (196.026 nm)	> 100.00	-0.0050 u (ppm)	1.4883
5/6/2019 19:31:20	R1903954-010 10X	Sn (189.925 nm)	6.38	0.0042 (ppm)	0.9163
5/6/2019 19:31:20	R1903954-010 10X	Sr (216.596 nm)	0.49	0.0632 (ppm)	674.6415
5/6/2019 19:31:20	R1903954-010 10X	Ti (336.122 nm)	0.83	0.1289 (ppm)	32320.5620
5/6/2019 19:31:20	R1903954-010 10X	Ti (351.923 nm)	34.66	0.0031 (ppm)	2.0942
5/6/2019 19:31:20	R1903954-010 10X	V (292.401 nm)	1.26	0.0192 (ppm)	671.8681
5/6/2019 19:31:20	R1903954-010 10X	Y (360.074 nm)	0.48	0.97 (Ratio)	906411.97
5/6/2019 19:31:20	R1903954-010 10X	Y_R (360.074 nm)	0.48	0.97 (Ratio)	904479.75
5/6/2019 19:31:20	R1903954-010 10X	Zn (213.857 nm)	0.23	0.1910 (ppm)	6674.3954
5/6/2019 19:34:39	Continuing Calibration Verification	Aq (328.068 nm)	0.08	0.4964 (ppm)	37070.7197
5/6/2019 19:34:39	Continuing Calibration Verification	Al (394.401 nm)	0.27	9.7973 (ppm)	166424.3023
5/6/2019 19:34:39	Continuing Calibration Verification	As (188.980 nm)	0.56	0.9674 (ppm)	672.8976
5/6/2019 19:34:39	Continuing Calibration Verification	B (249.772 nm)	0.24	2.4387 (ppm)	100495.1947
5/6/2019 19:34:39	Continuing Calibration Verification	Ba (230.424 nm)	0.39	10.3032 (ppm)	510297.8881
5/6/2019 19:34:39	Continuing Calibration Verification	Be (313.107 nm)	0.48	0.2527 (ppm)	345812.7096
5/6/2019 19:34:39	Continuing Calibration Verification	Ca (227.547 nm)	0.51	24.8682 (ppm)	1500.1904
5/6/2019 19:34:39	Continuing Calibration Verification	Cd (214.439 nm)	0.32	0.4865 (ppm)	10516.8001
5/6/2019 19:34:39	Continuing Calibration Verification	Co (230.786 nm)	0.22	2.5972 (ppm)	33944.1206
5/6/2019 19:34:39	Continuing Calibration Verification	Cr (267.716 nm)	0.15	0.5026 (ppm)	21492.7361
5/6/2019 19:34:39	Continuing Calibration Verification	Cu (327.395 nm)	0.19	1.2370 (ppm)	80612.1530
5/6/2019 19:34:39	Continuing Calibration Verification	Fe (234.350 nm)	0.17	4.8735 (ppm)	55340.4513
5/6/2019 19:34:39	Continuing Calibration Verification	K (766.491 nm)	0.40	24.9712 (ppm)	90647.4635
5/6/2019 19:34:39	Continuing Calibration Verification	Mg (279.078 nm)	0.21	24.8539 (ppm)	58799.3437
5/6/2019 19:34:39	Continuing Calibration Verification	Mn (257.610 nm)	0.18	0.7477 (ppm)	245602.4452
5/6/2019 19:34:39	Continuing Calibration Verification	Mo (202.032 nm)	0.42	2.4259 (ppm)	14494.9396
5/6/2019 19:34:39	Continuing Calibration Verification	Na (588.995 nm)	0.34	25.3109 (ppm)	1149263.9753
5/6/2019 19:34:39	Continuing Calibration Verification	Ni (230.299 nm)	0.23	1.9771 (ppm)	20877.8531
5/6/2019 19:34:39	Continuing Calibration Verification	Pb (220.353 nm)	0.22	0.4976 (ppm)	1490.7982
5/6/2019 19:34:39	Continuing Calibration Verification	Sb (217.582 nm)	0.31	4.8123 (ppm)	5694.7311
5/6/2019 19:34:39	Continuing Calibration Verification	Se (196.026 nm)	1.78	0.4876 (ppm)	248.2892
5/6/2019 19:34:39	Continuing Calibration Verification	Sn (189.925 nm)	0.43	4.9227 (ppm)	3727.0966
5/6/2019 19:34:39	Continuing Calibration Verification	Sr (216.596 nm)	0.47	2.5101 (ppm)	26847.1292
5/6/2019 19:34:39	Continuing Calibration Verification	Ti (336.122 nm)	0.18	2.5144 (ppm)	632569.2198
5/6/2019 19:34:39	Continuing Calibration Verification	Ti (351.923 nm)	0.33	1.0265 (ppm)	2938.5333
5/6/2019 19:34:39	Continuing Calibration Verification	V (292.401 nm)	0.18	2.5494 (ppm)	83306.6090
5/6/2019 19:34:39	Continuing Calibration Verification	Y (360.074 nm)	0.47	0.96 (Ratio)	889425.65
5/6/2019 19:34:39	Continuing Calibration Verification	Y_R (360.074 nm)	0.47	0.96 (Ratio)	887559.44
5/6/2019 19:34:39	Continuing Calibration Verification	Zn (213.857 nm)	0.15	0.9703 (ppm)	33960.8340
5/6/2019 19:37:59	Continuing Calibration Blank	Ag (328.068 nm)	80.62	-0.0001 u (ppm)	-152.6993
5/6/2019 19:37:59	Continuing Calibration Blank	Al (394.401 nm)	28.18	0.0018 (ppm)	221.2684
5/6/2019 19:37:59	Continuing Calibration Blank	As (188.980 nm)	92.11	0.0039 u (ppm)	0.9593
5/6/2019 19:37:59	Continuing Calibration Blank	B (249.772 nm)	37.81	0.0005 (ppm)	79.8771

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:37:59	Continuing Calibration Blank	Ba (230.424 nm)	12.07	0.0013 (ppm)	70.3350
5/6/2019 19:37:59	Continuing Calibration Blank	Be (313.107 nm)	23.38	0.0000 (ppm)	-270.5907
5/6/2019 19:37:59	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0175 u (ppm)	3.0802
5/6/2019 19:37:59	Continuing Calibration Blank	Cd (214.439 nm)	49.92	0.0001 (ppm)	8.5289
5/6/2019 19:37:59	Continuing Calibration Blank	Co (230.786 nm)	57.59	0.0005 (ppm)	3.2384
5/6/2019 19:37:59	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	10.8313
5/6/2019 19:37:59	Continuing Calibration Blank	Cu (327.395 nm)	47.73	0.0003 (ppm)	28.9151
5/6/2019 19:37:59	Continuing Calibration Blank	Fe (234.350 nm)	2.70	0.0029 (ppm)	53.4630
5/6/2019 19:37:59	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0031 u (ppm)	-87.5042
5/6/2019 19:37:59	Continuing Calibration Blank	Mg (279.078 nm)	13.93	0.0037 (ppm)	15.0745
5/6/2019 19:37:59	Continuing Calibration Blank	Mn (257.610 nm)	3.79	0.0001 (ppm)	64.0686
5/6/2019 19:37:59	Continuing Calibration Blank	Mo (202.032 nm)	25.01	0.0031 (ppm)	21.9483
5/6/2019 19:37:59	Continuing Calibration Blank	Na (588.995 nm)	65.30	0.0038 (ppm)	-8953.4954
5/6/2019 19:37:59	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 u (ppm)	-12.3939
5/6/2019 19:37:59	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	3.1262
5/6/2019 19:37:59	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0009 u (ppm)	-0.5742
5/6/2019 19:37:59	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0006 u (ppm)	4.3006
5/6/2019 19:37:59	Continuing Calibration Blank	Sn (189.925 nm)	84.21	0.0023 (ppm)	-0.4755
5/6/2019 19:37:59	Continuing Calibration Blank	Sr (216.596 nm)	64.28	0.0004 (ppm)	2.5974
5/6/2019 19:37:59	Continuing Calibration Blank	Ti (336.122 nm)	16.67	0.0016 (ppm)	288.1087
5/6/2019 19:37:59	Continuing Calibration Blank	Tl (351.923 nm)	92.34	0.0035 (ppm)	3.4323
5/6/2019 19:37:59	Continuing Calibration Blank	V (292.401 nm)	65.25	0.0004 (ppm)	56.5734
5/6/2019 19:37:59	Continuing Calibration Blank	Y (360.074 nm)	0.59	1.01 (Ratio)	941999.03
5/6/2019 19:37:59	Continuing Calibration Blank	Y_R (360.074 nm)	0.59	1.01 (Ratio)	939791.47
5/6/2019 19:37:59	Continuing Calibration Blank	Zn (213.857 nm)	12.59	0.0003 (ppm)	-1.5496
5/6/2019 19:41:18	Contract Required Detection Limit	Ag (328.068 nm)	0.83	0.0098 (ppm)	589.1580
5/6/2019 19:41:18	Contract Required Detection Limit	Al (394.401 nm)	0.16	0.1848 (ppm)	3326.7745
5/6/2019 19:41:18	Contract Required Detection Limit	As (188.980 nm)	11.58	0.0207 (ppm)	12.6408
5/6/2019 19:41:18	Contract Required Detection Limit	B (249.772 nm)	0.10	0.1828 (ppm)	7589.0090
5/6/2019 19:41:18	Contract Required Detection Limit	Ba (230.424 nm)	0.22	0.2107 (ppm)	10441.7821
5/6/2019 19:41:18	Contract Required Detection Limit	Be (313.107 nm)	0.24	0.0049 (ppm)	6348.2127
5/6/2019 19:41:18	Contract Required Detection Limit	Ca (227.547 nm)	1.53	0.9778 (ppm)	60.9339
5/6/2019 19:41:18	Contract Required Detection Limit	Cd (214.439 nm)	1.94	0.0097 (ppm)	217.0587
5/6/2019 19:41:18	Contract Required Detection Limit	Co (230.786 nm)	0.69	0.0514 (ppm)	668.5935
5/6/2019 19:41:18	Contract Required Detection Limit	Cr (267.716 nm)	1.50	0.0101 (ppm)	445.3694
5/6/2019 19:41:18	Contract Required Detection Limit	Cu (327.395 nm)	1.27	0.0252 (ppm)	1652.0982
5/6/2019 19:41:18	Contract Required Detection Limit	Fe (234.350 nm)	0.06	0.1060 (ppm)	1223.8758
5/6/2019 19:41:18	Contract Required Detection Limit	K (766.491 nm)	0.98	0.9162 (ppm)	3230.9135
5/6/2019 19:41:18	Contract Required Detection Limit	Mg (279.078 nm)	0.08	0.9736 (ppm)	2309.5644
5/6/2019 19:41:18	Contract Required Detection Limit	Mn (257.610 nm)	0.07	0.0157 (ppm)	5166.2187
5/6/2019 19:41:18	Contract Required Detection Limit	Mo (202.032 nm)	2.20	0.0256 (ppm)	156.2746
5/6/2019 19:41:18	Contract Required Detection Limit	Na (588.995 nm)	0.29	1.0126 (ppm)	37213.1755
5/6/2019 19:41:18	Contract Required Detection Limit	Ni (230.299 nm)	0.36	0.0411 (ppm)	420.1187
5/6/2019 19:41:18	Contract Required Detection Limit	Pb (220.353 nm)	5.11	0.0095 (ppm)	31.5099
5/6/2019 19:41:18	Contract Required Detection Limit	Sb (217.582 nm)	2.48	0.0601 (ppm)	69.5387
5/6/2019 19:41:18	Contract Required Detection Limit	Se (196.026 nm)	51.17	0.0070 R (ppm) 70%	7.5010 R
5/6/2019 19:41:18	Contract Required Detection Limit	Sn (189.925 nm)	0.54	0.4920 (ppm)	370.4528
5/6/2019 19:41:18	Contract Required Detection Limit	Sr (216.596 nm)	0.38	0.1010 (ppm)	1079.1994
5/6/2019 19:41:18	Contract Required Detection Limit	Ti (336.122 nm)	0.13	0.0515 (ppm)	12842.2122
5/6/2019 19:41:18	Contract Required Detection Limit	Tl (351.923 nm)	13.03	0.0218 (ppm)	55.9831
5/6/2019 19:41:18	Contract Required Detection Limit	V (292.401 nm)	0.31	0.0500 (ppm)	1675.7390

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:41:18	Contract Required Detection Limit	Y (360.074 nm)	0.63	1.00 (Ratio)	933858.82
5/6/2019 19:41:18	Contract Required Detection Limit	Y_R (360.074 nm)	0.62	1.00 (Ratio)	931657.54
5/6/2019 19:41:18	Contract Required Detection Limit	Zn (213.857 nm)	1.46	0.0197 (ppm)	677.2083
5/6/2019 19:44:37	Interference Check Solution A	Ag (328.068 nm)	17.76	0.0001 (ppm)	-137.5597
5/6/2019 19:44:37	Interference Check Solution A	Al (394.401 nm)	0.17	270.1213 o (ppm)	4583415.9721
5/6/2019 19:44:37	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0010 u (ppm)	-2.4723
5/6/2019 19:44:37	Interference Check Solution A	B (249.772 nm)	0.39	0.0468 (ppm)	1988.0425
5/6/2019 19:44:37	Interference Check Solution A	Ba (230.424 nm)	16.71	0.0006 (ppm)	34.3395
5/6/2019 19:44:37	Interference Check Solution A	Be (313.107 nm)	12.53	-0.0001 u (ppm)	-381.4704
5/6/2019 19:44:37	Interference Check Solution A	Ca (227.547 nm)	0.21	273.7134 o (ppm)	16491.6691
5/6/2019 19:44:37	Interference Check Solution A	Cd (214.439 nm)	40.52	-0.0002 u (ppm)	2.1290
5/6/2019 19:44:37	Interference Check Solution A	Co (230.786 nm)	8.88	-0.0026 u (ppm)	-37.5552
5/6/2019 19:44:37	Interference Check Solution A	Cr (267.716 nm)	46.70	0.0006 (ppm)	39.4124
5/6/2019 19:44:37	Interference Check Solution A	Cu (327.395 nm)	59.52	-0.0001 u (ppm)	5.6013
5/6/2019 19:44:37	Interference Check Solution A	Fe (234.350 nm)	0.19	90.6105 o (ppm)	1028545.0004
5/6/2019 19:44:37	Interference Check Solution A	K (766.491 nm)	68.31	-0.0084 u (ppm)	-129.2580
5/6/2019 19:44:37	Interference Check Solution A	Mg (279.078 nm)	0.58	260.2904 o (ppm)	615735.5261
5/6/2019 19:44:37	Interference Check Solution A	Mn (257.610 nm)	2.16	0.0020 (ppm)	668.7044
5/6/2019 19:44:37	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0003 u (ppm)	5.1568
5/6/2019 19:44:37	Interference Check Solution A	Na (588.995 nm)	2.43	-0.0187 u (ppm)	-9984.9414
5/6/2019 19:44:37	Interference Check Solution A	Ni (230.299 nm)	> 100.00	-0.0006 u (ppm)	-20.5034
5/6/2019 19:44:37	Interference Check Solution A	Pb (220.353 nm)	23.16	-0.0022 u (ppm)	-3.4234
5/6/2019 19:44:37	Interference Check Solution A	Sb (217.582 nm)	45.81	-0.0066 u (ppm)	-9.3983
5/6/2019 19:44:37	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0048 u (ppm)	1.5960
5/6/2019 19:44:37	Interference Check Solution A	Sn (189.925 nm)	26.34	0.0052 (ppm)	1.7220
5/6/2019 19:44:37	Interference Check Solution A	Sr (216.596 nm)	4.45	0.0187 (ppm)	198.4527
5/6/2019 19:44:37	Interference Check Solution A	Ti (336.122 nm)	2.82	0.0016 (ppm)	303.7891
5/6/2019 19:44:37	Interference Check Solution A	Tl (351.923 nm)	39.69	0.0064 (ppm)	11.7385
5/6/2019 19:44:37	Interference Check Solution A	V (292.401 nm)	7.13	0.0018 (ppm)	103.4376
5/6/2019 19:44:37	Interference Check Solution A	Y (360.074 nm)	0.29	0.87 (Ratio)	811250.27
5/6/2019 19:44:37	Interference Check Solution A	Y_R (360.074 nm)	0.29	0.87 (Ratio)	809567.03
5/6/2019 19:44:37	Interference Check Solution A	Zn (213.857 nm)	1.86	0.0113 K (ppm)	384.2930 K
5/6/2019 19:47:57	Interference Check Solution AB	Ag (328.068 nm)	0.08	0.2151 (ppm)	15980.6974
5/6/2019 19:47:57	Interference Check Solution AB	Al (394.401 nm)	0.33	271.0092 o (ppm)	4598482.0563
5/6/2019 19:47:57	Interference Check Solution AB	As (188.980 nm)	11.70	0.0978 (ppm)	66.3918
5/6/2019 19:47:57	Interference Check Solution AB	B (249.772 nm)	0.37	0.0458 (ppm)	1946.5395
5/6/2019 19:47:57	Interference Check Solution AB	Ba (230.424 nm)	0.34	0.5295 (ppm)	26228.9944
5/6/2019 19:47:57	Interference Check Solution AB	Be (313.107 nm)	0.38	0.5020 (ppm)	687323.0983
5/6/2019 19:47:57	Interference Check Solution AB	Ca (227.547 nm)	0.23	274.7669 o (ppm)	16555.1347
5/6/2019 19:47:57	Interference Check Solution AB	Cd (214.439 nm)	0.32	0.9547 (ppm)	20629.7044
5/6/2019 19:47:57	Interference Check Solution AB	Co (230.786 nm)	0.49	0.4875 (ppm)	6368.2352
5/6/2019 19:47:57	Interference Check Solution AB	Cr (267.716 nm)	0.18	0.5032 (ppm)	21520.8126
5/6/2019 19:47:57	Interference Check Solution AB	Cu (327.395 nm)	0.33	0.5340 (ppm)	34802.5506
5/6/2019 19:47:57	Interference Check Solution AB	Fe (234.350 nm)	0.10	90.9528 o (ppm)	1032430.7816
5/6/2019 19:47:57	Interference Check Solution AB	K (766.491 nm)	86.36	-0.0020 u (ppm)	-106.1775
5/6/2019 19:47:57	Interference Check Solution AB	Mg (279.078 nm)	0.70	262.3652 o (ppm)	620643.6532
5/6/2019 19:47:57	Interference Check Solution AB	Mn (257.610 nm)	0.29	0.5009 (ppm)	164549.1445
5/6/2019 19:47:57	Interference Check Solution AB	Mo (202.032 nm)	7.75	0.0007 (ppm)	7.6562
5/6/2019 19:47:57	Interference Check Solution AB	Na (588.995 nm)	10.46	-0.0164 u (ppm)	-9878.0422
5/6/2019 19:47:57	Interference Check Solution AB	Ni (230.299 nm)	0.03	0.9535 (ppm)	10061.3779
5/6/2019 19:47:57	Interference Check Solution AB	Pb (220.353 nm)	4.72	0.0483 (ppm)	147.3519

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:47:57	Interference Check Solution AB	Sb (217.582 nm)	0.63	0.6119 (ppm)	722.7056
5/6/2019 19:47:57	Interference Check Solution AB	Se (196.026 nm)	11.90	0.0419 (ppm)	25.0061
5/6/2019 19:47:57	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0018 u (ppm)	-0.8738
5/6/2019 19:47:57	Interference Check Solution AB	Sr (216.596 nm)	2.95	0.0184 (ppm)	195.6946
5/6/2019 19:47:57	Interference Check Solution AB	Ti (336.122 nm)	1.17	0.0016 (ppm)	297.0608
5/6/2019 19:47:57	Interference Check Solution AB	Tl (351.923 nm)	3.64	0.1176 (ppm)	330.6232
5/6/2019 19:47:57	Interference Check Solution AB	V (292.401 nm)	0.29	0.5128 (ppm)	16793.0073
5/6/2019 19:47:57	Interference Check Solution AB	Y (360.074 nm)	0.62	0.87 (Ratio)	812744.80
5/6/2019 19:47:57	Interference Check Solution AB	Y_R (360.074 nm)	0.61	0.87 (Ratio)	811041.32
5/6/2019 19:47:57	Interference Check Solution AB	Zn (213.857 nm)	0.25	1.0142 (ppm)	35497.2750
5/6/2019 19:51:17	HLCCV2	Ag (328.068 nm)	0.43	2.1837 o (ppm)	163573.6976
5/6/2019 19:51:17	HLCCV2	Al (394.401 nm)	0.43	536.4697 o (ppm)	9102625.9271
5/6/2019 19:51:17	HLCCV2	As (188.980 nm)	0.46	4.1671 o (ppm)	2904.4380
5/6/2019 19:51:17	HLCCV2	B (249.772 nm)	0.32	10.4787 o (ppm)	431615.3585
5/6/2019 19:51:17	HLCCV2	Ba (230.424 nm)	0.60	38.9933 o (ppm)	1931251.8610
5/6/2019 19:51:17	HLCCV2	Be (313.107 nm)	0.50	0.9977 o (ppm)	1366293.5467
5/6/2019 19:51:17	HLCCV2	Ca (227.547 nm)	0.24	275.1466 Qo (ppm)	16578.0117 Q
5/6/2019 19:51:17	HLCCV2	Cd (214.439 nm)	0.21	1.9271 o (ppm)	41636.4797
5/6/2019 19:51:17	HLCCV2	Co (230.786 nm)	0.50	9.5431 o (ppm)	124732.0691
5/6/2019 19:51:17	HLCCV2	Cr (267.716 nm)	0.37	9.9745 o (ppm)	426309.8233
5/6/2019 19:51:17	HLCCV2	Cu (327.395 nm)	0.45	5.4609 o (ppm)	355829.2838
5/6/2019 19:51:17	HLCCV2	Fe (234.350 nm)	0.37	46.7708 o (ppm)	530918.8329
5/6/2019 19:51:17	HLCCV2	K (766.491 nm)	0.27	165.3022 Qo (ppm)	600615.8624 Q
5/6/2019 19:51:17	HLCCV2	Mg (279.078 nm)	0.38	511.6350 o (ppm)	1210302.9861
5/6/2019 19:51:17	HLCCV2	Mn (257.610 nm)	0.38	9.6074 o (ppm)	3155675.4896
5/6/2019 19:51:17	HLCCV2	Mo (202.032 nm)	0.19	9.8995 o (ppm)	59141.1482
5/6/2019 19:51:17	HLCCV2	Na (588.995 nm)	0.63	197.4581 o (ppm)	9027839.8824
5/6/2019 19:51:17	HLCCV2	Ni (230.299 nm)	0.29	7.5823 o (ppm)	80111.0541
5/6/2019 19:51:17	HLCCV2	Pb (220.353 nm)	0.15	9.6294 o (ppm)	28795.0003
5/6/2019 19:51:17	HLCCV2	Sb (217.582 nm)	11.97	0.0221 (ppm)	24.6154
5/6/2019 19:51:17	HLCCV2	Se (196.026 nm)	1.00	2.1012 o (ppm)	1056.7532
5/6/2019 19:51:17	HLCCV2	Sn (189.925 nm)	23.72	-0.0155 u (ppm)	-13.9876
5/6/2019 19:51:17	HLCCV2	Sr (216.596 nm)	0.20	9.7781 o (ppm)	104586.4085
5/6/2019 19:51:17	HLCCV2	Ti (336.122 nm)	0.10	10.0500 o (ppm)	2528655.9462
5/6/2019 19:51:17	HLCCV2	Tl (351.923 nm)	0.10	4.4200 Qo (ppm)	12675.4726 Q
5/6/2019 19:51:17	HLCCV2	V (292.401 nm)	0.62	9.9940 o (ppm)	326440.1724
5/6/2019 19:51:17	HLCCV2	Y (360.074 nm)	0.51	0.85 (Ratio)	789415.94
5/6/2019 19:51:17	HLCCV2	Y_R (360.074 nm)	0.51	0.85 (Ratio)	787875.03
5/6/2019 19:51:17	HLCCV2	Zn (213.857 nm)	0.24	4.1620 o (ppm)	145715.0752
5/6/2019 19:54:37	HLCCV3	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-146.1267
5/6/2019 19:54:37	HLCCV3	Al (394.401 nm)	5.01	0.0840 (ppm)	1615.4179
5/6/2019 19:54:37	HLCCV3	As (188.980 nm)	> 100.00	-0.0002 u (ppm)	-1.9648
5/6/2019 19:54:37	HLCCV3	B (249.772 nm)	1.64	0.0274 (ppm)	1187.4919
5/6/2019 19:54:37	HLCCV3	Ba (230.424 nm)	6.28	0.0045 (ppm)	226.1998
5/6/2019 19:54:37	HLCCV3	Be (313.107 nm)	5.42	0.0001 (ppm)	-173.3623
5/6/2019 19:54:37	HLCCV3	Ca (227.547 nm)	0.34	209.2092 o (ppm)	12605.6671
5/6/2019 19:54:37	HLCCV3	Cd (214.439 nm)	13.46	0.0011 (ppm)	30.8423
5/6/2019 19:54:37	HLCCV3	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-4.4659
5/6/2019 19:54:37	HLCCV3	Cr (267.716 nm)	7.01	0.0009 (ppm)	51.8498
5/6/2019 19:54:37	HLCCV3	Cu (327.395 nm)	0.66	4.1055 o (ppm)	267509.1835
5/6/2019 19:54:37	HLCCV3	Fe (234.350 nm)	0.12	36.8612 o (ppm)	418434.1370

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 19:54:37	HLCCV3	K (766.491 nm)	0.47	102.7829 o (ppm)	373418.4930
5/6/2019 19:54:37	HLCCV3	Mg (279.078 nm)	7.88	0.0518 (ppm)	128.9258
5/6/2019 19:54:37	HLCCV3	Mn (257.610 nm)	6.87	0.0012 (ppm)	400.0129
5/6/2019 19:54:37	HLCCV3	Mo (202.032 nm)	12.57	0.0078 (ppm)	49.6187
5/6/2019 19:54:37	HLCCV3	Na (588.995 nm)	0.39	143.4602 o (ppm)	6556541.0727
5/6/2019 19:54:37	HLCCV3	Ni (230.299 nm)	1.35	-0.0260 u (ppm)	-288.9216
5/6/2019 19:54:37	HLCCV3	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	2.3994
5/6/2019 19:54:37	HLCCV3	Sb (217.582 nm)	69.33	-0.0018 u (ppm)	-3.7023
5/6/2019 19:54:37	HLCCV3	Se (196.026 nm)	> 100.00	-0.0073 u (ppm)	0.3696
5/6/2019 19:54:37	HLCCV3	Sn (189.925 nm)	> 100.00	0.0015 u (ppm)	-1.1281
5/6/2019 19:54:37	HLCCV3	Sr (216.596 nm)	3.48	0.0121 (ppm)	128.3075
5/6/2019 19:54:37	HLCCV3	Ti (336.122 nm)	13.26	0.0048 (ppm)	1106.1474
5/6/2019 19:54:37	HLCCV3	Tl (351.923 nm)	0.29	2.9985 o (ppm)	8596.7999
5/6/2019 19:54:37	HLCCV3	V (292.401 nm)	13.13	0.0010 (ppm)	76.2718
5/6/2019 19:54:37	HLCCV3	Y (360.074 nm)	0.55	0.90 (Ratio)	840766.01
5/6/2019 19:54:37	HLCCV3	Y_R (360.074 nm)	0.55	0.90 (Ratio)	838947.36
5/6/2019 19:54:37	HLCCV3	Zn (213.857 nm)	0.70	0.0069 (ppm)	227.1470
5/6/2019 19:57:57	HLCCV1	Ag (328.068 nm)	0.22	0.9999 (ppm)	74821.5454
5/6/2019 19:57:57	HLCCV1	Al (394.401 nm)	0.17	20.2362 (ppm)	343544.2631
5/6/2019 19:57:57	HLCCV1	As (188.980 nm)	0.54	1.9733 (ppm)	1374.4385
5/6/2019 19:57:57	HLCCV1	B (249.772 nm)	0.13	4.9309 (ppm)	203136.2749
5/6/2019 19:57:57	HLCCV1	Ba (230.424 nm)	0.76	19.6016 (ppm)	970824.9755
5/6/2019 19:57:57	HLCCV1	Be (313.107 nm)	0.49	0.4915 (ppm)	672928.7729
5/6/2019 19:57:57	HLCCV1	Ca (227.547 nm)	0.31	50.6462 (ppm)	3053.1640
5/6/2019 19:57:57	HLCCV1	Cd (214.439 nm)	0.25	0.9655 (ppm)	20864.4601
5/6/2019 19:57:57	HLCCV1	Co (230.786 nm)	0.25	4.9294 (ppm)	64426.8627
5/6/2019 19:57:57	HLCCV1	Cr (267.716 nm)	0.10	0.9868 (ppm)	42186.2724
5/6/2019 19:57:57	HLCCV1	Cu (327.395 nm)	0.05	2.5215 (ppm)	164306.3550
5/6/2019 19:57:57	HLCCV1	Fe (234.350 nm)	0.18	9.8586 (ppm)	111926.6982
5/6/2019 19:57:57	HLCCV1	K (766.491 nm)	0.35	50.0562 (ppm)	181807.4023
5/6/2019 19:57:57	HLCCV1	Mg (279.078 nm)	0.27	49.3960 (ppm)	116854.9339
5/6/2019 19:57:57	HLCCV1	Mn (257.610 nm)	0.18	1.4835 (ppm)	487301.2022
5/6/2019 19:57:57	HLCCV1	Mo (202.032 nm)	0.43	4.9510 (ppm)	29579.5158
5/6/2019 19:57:57	HLCCV1	Na (588.995 nm)	0.42	50.8245 (ppm)	2316930.9022
5/6/2019 19:57:57	HLCCV1	Ni (230.299 nm)	0.25	3.9370 (ppm)	41589.7785
5/6/2019 19:57:57	HLCCV1	Pb (220.353 nm)	0.14	0.9787 (ppm)	2929.2348
5/6/2019 19:57:57	HLCCV1	Sb (217.582 nm)	0.28	9.9329 (ppm)	11755.8393
5/6/2019 19:57:57	HLCCV1	Se (196.026 nm)	0.29	0.9838 (ppm)	496.8848
5/6/2019 19:57:57	HLCCV1	Sn (189.925 nm)	0.21	9.7720 (ppm)	7400.8742
5/6/2019 19:57:57	HLCCV1	Sr (216.596 nm)	0.11	4.9141 (ppm)	52560.4871
5/6/2019 19:57:57	HLCCV1	Ti (336.122 nm)	0.14	4.9964 (ppm)	1257085.3227
5/6/2019 19:57:57	HLCCV1	Tl (351.923 nm)	0.29	2.0149 (ppm)	5774.7378
5/6/2019 19:57:57	HLCCV1	V (292.401 nm)	0.27	4.9701 (ppm)	162363.3981
5/6/2019 19:57:57	HLCCV1	Y (360.074 nm)	0.45	0.93 (Ratio)	867985.23
5/6/2019 19:57:57	HLCCV1	Y_R (360.074 nm)	0.45	0.93 (Ratio)	865927.81
5/6/2019 19:57:57	HLCCV1	Zn (213.857 nm)	0.16	1.9745 (ppm)	69124.5930
5/6/2019 20:01:17	Continuing Calibration Verification	Ag (328.068 nm)	0.16	0.4930 (ppm)	36814.0643
5/6/2019 20:01:17	Continuing Calibration Verification	Al (394.401 nm)	0.17	9.6763 (ppm)	164372.1612
5/6/2019 20:01:17	Continuing Calibration Verification	As (188.980 nm)	0.87	0.9889 (ppm)	687.8834
5/6/2019 20:01:17	Continuing Calibration Verification	B (249.772 nm)	0.15	2.4510 (ppm)	101003.2155
5/6/2019 20:01:17	Continuing Calibration Verification	Ba (230.424 nm)	0.52	10.4459 (ppm)	517366.9895

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 20:01:17	Continuing Calibration Verification	Be (313.107 nm)	0.20	0.2564 (ppm)	350840.9672
5/6/2019 20:01:17	Continuing Calibration Verification	Ca (227.547 nm)	0.08	24.2943 (ppm)	1465.6171
5/6/2019 20:01:17	Continuing Calibration Verification	Cd (214.439 nm)	0.10	0.5016 (ppm)	10842.2996
5/6/2019 20:01:17	Continuing Calibration Verification	Co (230.786 nm)	0.18	2.6360 (ppm)	34451.0437
5/6/2019 20:01:17	Continuing Calibration Verification	Cr (267.716 nm)	0.21	0.5109 (ppm)	21849.9485
5/6/2019 20:01:17	Continuing Calibration Verification	Cu (327.395 nm)	0.08	1.2172 (ppm)	79318.5156
5/6/2019 20:01:17	Continuing Calibration Verification	Fe (234.350 nm)	0.19	4.9619 (ppm)	56344.1538
5/6/2019 20:01:17	Continuing Calibration Verification	K (766.491 nm)	0.44	24.2297 (ppm)	87952.9806
5/6/2019 20:01:17	Continuing Calibration Verification	Mg (279.078 nm)	0.17	25.3679 (ppm)	60015.2877
5/6/2019 20:01:17	Continuing Calibration Verification	Mn (257.610 nm)	0.21	0.7578 (ppm)	248928.9547
5/6/2019 20:01:17	Continuing Calibration Verification	Mo (202.032 nm)	0.26	2.4675 (ppm)	14743.6925
5/6/2019 20:01:17	Continuing Calibration Verification	Na (588.995 nm)	0.55	24.4622 (ppm)	1110421.4916
5/6/2019 20:01:17	Continuing Calibration Verification	Ni (230.299 nm)	0.20	2.0235 (ppm)	21368.8418
5/6/2019 20:01:17	Continuing Calibration Verification	Pb (220.353 nm)	0.49	0.5096 (ppm)	1526.6907
5/6/2019 20:01:17	Continuing Calibration Verification	Sb (217.582 nm)	0.10	4.8307 (ppm)	5716.4860
5/6/2019 20:01:17	Continuing Calibration Verification	Se (196.026 nm)	2.24	0.4857 (ppm)	247.3476
5/6/2019 20:01:17	Continuing Calibration Verification	Sn (189.925 nm)	0.18	5.0674 (ppm)	3836.7553
5/6/2019 20:01:17	Continuing Calibration Verification	Sr (216.596 nm)	0.45	2.5865 (ppm)	27663.7443
5/6/2019 20:01:17	Continuing Calibration Verification	Ti (336.122 nm)	0.24	2.5186 (ppm)	633624.5191
5/6/2019 20:01:17	Continuing Calibration Verification	Ti (351.923 nm)	0.05	1.0164 (ppm)	2909.6469
5/6/2019 20:01:17	Continuing Calibration Verification	V (292.401 nm)	0.23	2.5702 (ppm)	83985.9315
5/6/2019 20:01:17	Continuing Calibration Verification	Y (360.074 nm)	0.28	0.99 (Ratio)	917355.45
5/6/2019 20:01:17	Continuing Calibration Verification	Y_R (360.074 nm)	0.28	0.98 (Ratio)	914991.98
5/6/2019 20:01:17	Continuing Calibration Verification	Zn (213.857 nm)	0.20	0.9844 (ppm)	34453.9577
5/6/2019 20:04:36	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-145.7204
5/6/2019 20:04:36	Continuing Calibration Blank	Al (394.401 nm)	4.51	0.0071 (ppm)	311.8594
5/6/2019 20:04:36	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0027 u (ppm)	0.1163
5/6/2019 20:04:36	Continuing Calibration Blank	B (249.772 nm)	8.08	0.0027 (ppm)	170.1540
5/6/2019 20:04:36	Continuing Calibration Blank	Ba (230.424 nm)	6.26	0.0032 (ppm)	163.9766
5/6/2019 20:04:36	Continuing Calibration Blank	Be (313.107 nm)	14.90	0.0001 (ppm)	-210.8353
5/6/2019 20:04:36	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0219 u (ppm)	3.3484
5/6/2019 20:04:36	Continuing Calibration Blank	Cd (214.439 nm)	42.92	0.0003 (ppm)	12.2987
5/6/2019 20:04:36	Continuing Calibration Blank	Co (230.786 nm)	33.62	0.0009 (ppm)	8.2873
5/6/2019 20:04:36	Continuing Calibration Blank	Cr (267.716 nm)	57.03	0.0002 (ppm)	20.1477
5/6/2019 20:04:36	Continuing Calibration Blank	Cu (327.395 nm)	11.94	0.0006 (ppm)	47.6555
5/6/2019 20:04:36	Continuing Calibration Blank	Fe (234.350 nm)	15.77	0.0041 (ppm)	67.0593
5/6/2019 20:04:36	Continuing Calibration Blank	K (766.491 nm)	15.05	0.0292 (ppm)	7.4354
5/6/2019 20:04:36	Continuing Calibration Blank	Mg (279.078 nm)	15.66	0.0121 (ppm)	34.8944
5/6/2019 20:04:36	Continuing Calibration Blank	Mn (257.610 nm)	8.57	0.0003 (ppm)	124.6952
5/6/2019 20:04:36	Continuing Calibration Blank	Mo (202.032 nm)	15.12	0.0043 (ppm)	26.8590
5/6/2019 20:04:36	Continuing Calibration Blank	Na (588.995 nm)	14.84	0.0101 (ppm)	-8666.3310
5/6/2019 20:04:36	Continuing Calibration Blank	Ni (230.299 nm)	24.76	0.0004 (ppm)	-10.6292
5/6/2019 20:04:36	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0003 u (ppm)	2.2797
5/6/2019 20:04:36	Continuing Calibration Blank	Sb (217.582 nm)	5.88	0.0046 (ppm)	3.8752
5/6/2019 20:04:36	Continuing Calibration Blank	Se (196.026 nm)	98.03	0.0044 u (ppm)	6.1897
5/6/2019 20:04:36	Continuing Calibration Blank	Sn (189.925 nm)	93.78	0.0029 u (ppm)	-0.0822
5/6/2019 20:04:36	Continuing Calibration Blank	Sr (216.596 nm)	25.83	0.0010 (ppm)	9.2005
5/6/2019 20:04:36	Continuing Calibration Blank	Ti (336.122 nm)	14.63	0.0024 (ppm)	499.7890
5/6/2019 20:04:36	Continuing Calibration Blank	Ti (351.923 nm)	69.90	0.0028 (ppm)	1.2635
5/6/2019 20:04:36	Continuing Calibration Blank	V (292.401 nm)	14.32	0.0008 (ppm)	69.6458
5/6/2019 20:04:36	Continuing Calibration Blank	Y (360.074 nm)	0.51	1.00 (Ratio)	934602.49

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/6/2019 20:04:36	Continuing Calibration Blank	Y_R (360.074 nm)	0.50	1.00 (Ratio)	931993.56
5/6/2019 20:04:36	Continuing Calibration Blank	Zn (213.857 nm)	12.97	0.0005 (ppm)	4.8623

Ag (328.068 nm)
Intensity = 74975.26660949 * Concentration - 148.60246123
Correlation coefficient: 0.99999

As (188.980 nm)
Intensity = 697.42880188 * Concentration - 1.79323351
Correlation coefficient: 0.99999

B (249.772 nm)
Intensity = 41184.10447062 * Concentration + 60.36147526
Correlation coefficient: 0.99999

Ba (230.424 nm)
Intensity = 49527.65095536 * Concentration + 4.59468225
Correlation coefficient: 0.99998

Be (313.107 nm)
Intensity = 1369807.20124437 * Concentration - 311.20727921
Correlation coefficient: 1.00000

Cd (214.439 nm)
Intensity = 21602.08919190 * Concentration + 6.73623315
Correlation coefficient: 1.00000

Co (230.786 nm)
Intensity = 13070.75902961 * Concentration - 3.76748187
Correlation coefficient: 1.00000

Cr (267.716 nm)
Intensity = 42738.56657819 * Concentration + 12.90725139
Correlation coefficient: 1.00000

Cu (327.395 nm)
Intensity = 65157.14239184 * Concentration + 9.51448157
Correlation coefficient: 0.99998

K (766.491 nm)
Intensity = 3634.04001095 * Concentration - 98.77350552
Correlation coefficient: 0.99996

Mn (257.610 nm)
Intensity = 328462.56672649 * Concentration + 19.31592477
Correlation coefficient: 1.00000

Mo (202.032 nm)
Intensity = 5973.79842477 * Concentration + 3.31514831
Correlation coefficient: 1.00000

Na (588.995 nm)
Intensity = 45766.49824292 * Concentration - 9127.77274483
Correlation coefficient: 1.00000

Ni (230.299 nm)
Intensity = 10567.43177773 * Concentration - 14.67253157
Correlation coefficient: 0.99999

Pb (220.353 nm)
Intensity = 2989.99633979 * Concentration + 3.03898852
Correlation coefficient: 0.99999

Sb (217.582 nm)
Intensity = 1183.68999418 * Concentration - 1.58620194
Correlation coefficient: 1.00000

Se (196.026 nm)
Intensity = 501.01112256 * Concentration + 4.00866823
Correlation coefficient: 0.99996

Sn (189.925 nm)
Intensity = 757.58527308 * Concentration - 2.25476745
Correlation coefficient: 1.00000

Ti (336.122 nm)
Intensity = 251619.24062291 * Concentration - 107.79355623
Correlation coefficient: 1.00000

Tl (351.923 nm)
Intensity = 2869.27243586 * Concentration - 6.68973709
Correlation coefficient: 0.99999

V (292.401 nm)
Intensity = 32659.28353588 * Concentration + 43.71346475
Correlation coefficient: 1.00000

Zn (213.857 nm)
Intensity = 35014.30778986 * Concentration - 12.79357753
Correlation coefficient: 1.00000

Al (394.401 nm)
Intensity = 16967.28597964 * Concentration + 190.82476098
Correlation coefficient: 0.99992

Ca (227.547 nm)
Intensity = 60.24418169 * Concentration + 2.02769358
Correlation coefficient: 0.99996

Fe (234.350 nm)
Intensity = 11351.05146382 * Concentration + 20.98305860
Correlation coefficient: 1.00000

Mg (279.078 nm)
Intensity = 2365.54689108 * Concentration + 6.37926981
Correlation coefficient: 0.99981

Sr (216.596 nm)
Intensity = 10696.07832653 * Concentration - 1.27587643
Correlation coefficient: 1.00000

Prep Run#: 335866

Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP

Prep Method: EPA 3005A/3010A

Status: Prepped

Prep Date/Time: 5/2/19 16:20

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904089-01	MB		50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		HB: 1 Well: B4 Temp: 94.0C Corr. Factor: 0.0C Corr. Temp: 94.0C Plunge Filtered
2	RQ1904089-02	LCS		50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear	0.5000 mL/193084; 0.1000 mL/193077; 0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193085	On HB: 16:46 HB turn off: 2:46 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
3	R1903832-004	SW3A-0419	.01	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
4	R1903832-005	SW9-0419	.01	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
5	R1903832-006	GSS3-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
6	RQ1904089-03	R1903832-006 MS	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear	0.5000 mL/193085; 0.5000 mL/193084; 0.1000 mL/193077; 0.0500 mL/193078; 0.2500 mL/193076	
7	RQ1904089-04	R1903832-006 DMS	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear	0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193084; 0.1000 mL/193077; 0.5000 mL/193085	
8	R1903832-007	GSS4-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
9	R1903832-008	GSS5-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
10	R1903832-010	GSS1A-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
11	R1903832-011	GSS8-0419	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
12	R1903832-012	SW1A-0419	.01	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
13	R1903882-001	CF-1A	.05	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
14	R1903882-002	CF-1B	.07	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
15	R1903882-003	CF-1C	.07	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
16	R1903882-004	CF-2A	.02	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
17	R1903882-005	CF-2B	.05	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
18	R1903882-006	CF-3A	.02	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
19	R1903882-007	CF-3B	.03	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		

Prep Run#: 335866

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/2/19 16:20

20	R1903882-008	CF-4A	.03	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2		50.00mL	Colorless-Clear		
21	R1903882-009	CF-6A	.01	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2		50.00mL	Colorless-Clear		
22	R1903882-010	CF-6B	.05	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2		50.00mL	Colorless-Clear		
23	R1903882-011	CF-7	.06	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2		50.00mL	Colorless-Clear		
24	R1903882-012	BI-10	.06	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2		50.00mL	Colorless-Clear		

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9050-CC (197998)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
 Started: 5/2/19 16:20
 Finished: 5/3/19 10:54
 By: KMCLAEN
 Comments

3532 5/10
 3882 5/10

20

Comments: _____

Reviewed By: Jamie Date: 5/3/19

Chain of Custody

Relinquished By:	<u>Kelly McJannet</u>	Date:	<u>5/3/19</u>	Extracts Examined Yes No
Received By:	<u>RACI</u>	Date:	<u>5/3/19</u>	

Prep Run#: 336018
 Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
 Prep Method: EPA 3050B

Status: Prepped
 Prep Date/Time: 5/6/19 11:45

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904163-06	MB		0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Fe T, Pb T, Se T				50.00mL	White-Coarse/Colorless-Clear		HB: 1 Well: F1 Temp: 90.0C/91.5C Corr. Factor: 0.0C Corr. Temp: 90.0C/91.5C
2	RQ1904163-07	LCS		0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Fe T, Pb T, Se T				50.00mL	White-Coarse/Colorless-Clear	0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193084; 0.2500 mL/193076; 0.5000 mL/193085	On HB: 12:20 Off HB: 14:43 Pipets/Repipettors used: M23, M27, M31, M103, M106, M203, M104
3	R1903890-001	Stained	.01	0.5g	6010C/Fe T				50.00mL	White-Medium/Colorless-Clear		
4	R1903890-002	Unstained	.02	0.5g	6010C/Fe T				50.00mL	White-Medium/Colorless-Clear		
5	R1903954-001	TB-01-24 (1-3)	.02	0.5300g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
6	RQ1904163-04	R1903954-001 MS	.01	0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear	0.1000 mL/193077; 0.5000 mL/193084; 0.5000 mL/193085; 0.2500 mL/193076; 0.0500 mL/193078	
7	RQ1904163-05	R1903954-001 DMS	.01	0.5500g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear	0.5000 mL/193084; 0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193085; 0.1000 mL/193077	
8	R1903954-003	TB-02-24 (2-4)	.01	0.5300g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
9	R1903954-006	TB-05-24 (1-4)	.02	0.5g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
10	R1903954-008	TB-06-24 (4-5)	.01	0.5400g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		
11	R1903954-010	TB-07-24 (2-4)	.01	0.5500g	6010C/Ag T, As T, Ba T, Cd T, Cr T, Pb T, Se T				50.00mL	Brown-Coarse/Yellow-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID 193076	Logbook Ref: M7600007D	Expires On: 02/28/2020	Lot #: 1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Information Benchsheet

Prep Run#: 336018

Prep Workflow: MetDigSICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3050B

Prep Date/Time: 5/6/19 11:45

Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	50 mL Lot 1812117 (197999)
Hydrogen Peroxide 30% Reagent	M7600008R (195511)	Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)
Grade H2O2					
Thermometer	294 (12954)				

Preparation Steps

Step: Digestion
 Started: 5/6/19 11:45
 Finished: 5/6/19 16:08
 By: KMCLAEN
 Comments

8

Comments: _____

Reviewed By: Jaw Date: 5/6/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u>Kelly McJeem</u>	Date: <u>5/6/19</u>	Extracts Examined Yes No
Received By: <u>RACI</u>	Date: <u>5/6/19</u>	

ICP ICV/CCV (Standard is prepared daily)
 (ICV FOR ILM5.3 IS A 1/2 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M7600009U	5000	1.00	200	25.0
	MG		5000			25.0
	K		5000			25.0
	NA		5000			25.0
Cal Std 2	AG	M7600009W	100	1.00		0.500
	CR		100			0.500
	MN		150			0.750
	NI		400			2.00
	ZN		200			1.00
Cal Std 3	AL	M7600009X	2000	1.00		10.0
	BA		2000			10.0
	BE		50			0.250
	CO		500			2.50
	CU		250			1.25
	FE		1000			5.00
	V		500			2.50
Cal Std 4	AS	M7600009V	100	2.00		1.00
	CD		50			0.500
	PB		50			0.500
	SE		50			0.500
	TL		100			1.00
Single Metals	SB	M7600008P	1000	1.00		5.00
	SN	M7600008A	1000	1.00		5.00
	B	M7600008K	1000	0.500		2.50
	MO	M7600008L	1000	0.500		2.50
	TI	M7600008L	1000	0.500		2.50
	SR	M7600008T	1000	0.500		2.50
	P	-	1000	1.00		5.00

Analyst/Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Pipet ID
5/6/96	A	M7600009S107	M7600009H 5%	M35
	B			
	C			
	D			
	E			
	F			
	G			
	H			
	I			
	J			
	K			
	L			
	M			
	N			
	O			
	P			
	Q			
	R			
	S			
	T			
	U			
	V			
	W			
	X			
	Y			
	Z			
	AA			
	BB			

OPTIMA 3,4,5,6 CALIBRATION STANDARD #1 (Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std. 1 Int.	AL	M7600002A	20.0	1.00	1000	0.020
	AS		5.00			0.0050
	CD		1.00			0.0010
	CO		3.00			0.0030
	CR		5.00			0.0050
	PB		5.00			0.0050
	PB		3.00			0.0030
	V		3.00			0.0030
Cal Std. 1	CA	M7600002E	5000	0.100		0.500
	K		5000			BELOW
	MG		5000			0.500
	NA		5000			0.500
Single Element	BA	M7600007H	1000	0.020		0.020
	CU	M7600007K	1000	0.010		0.010
	K	M7600000S	10000	0.150		2.00
	MN	M7600005G	1000	0.010		0.010
	MO	M76000007	1000	0.025		0.025
	SB	M7600007C	1000	0.010		0.010
	TL	M76000009D	1000	0.010		0.010
	ZN	M76000003V	1000	0.010		0.010
	P	-	1000	0.100		0.100

Analyst/ Date	Letter ID	Nitric Acid Lot#/ Concentration	Hydrochloric Acid Lot #/ Concentration	Expiration Date	Pipet ID
LH 3/1/19	A	M7600008F21.	M760000914 5%	5/31/19	M35, M25
LH 3/1/19	B	M7600008F 10%	M7600009 4 5%	5/31/19	M35, M25
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

ICP CALIBRATION STANDARD #2

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Element	AL	M76000015	1000	0.100	1000	0.100
	AS	M7600001X	1000	0.010		0.010
	B	M7600008X	1000	0.200		0.200
	BE	M76000069 (1/10)	100	0.030		0.003
	CA	M7600005R	10000	0.100		1.00
	CD	M76000064 (1/10)	100	0.050		0.005
	CU	M7600007K	1000	0.020		0.020
	K	M76000035	10000	0.200		2.00
	MG	M7600005L	10000	0.100		1.00
	NA	M7600009F	10000	0.100		1.00
	PB	M7600005H	1000	0.050		0.050
	SB	M7600007C	1000	0.060		0.060
	SE	M7600007F	1000	0.010		0.010
	SN	M7600007D	1000	0.500		0.500

Analyst/Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
4/1/19 LH	A	M7600008F 2/	M7600008H 5/	9/25/19	M25, M35
4/1/19 LH	B	M7600008F 10/	M7600008H 5/	9/25/19	M25, M35
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

every 6 months

ICP CALIBRATION STANDARD #5 / HLCCV1 (Standard is prepared monthly or as necessary)
 (CALIBRATION STANDARD #3 IS A 1/100 DILUTION OF THIS STANDARD)
 (CALIBRATION STANDARD #4 IS A 1/5 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M760000K	100	2.00	200	1.00
	CR		100	5.00	500	1.00
	MN		150			1.50
	NI		400			4.00
	ZN		200			2.00
Cal Std 3	AL	M760000L	2000	2.00		20.0
	BA		2000	5.00		20.0
	BE		50			0.500
	CO		500			5.00
	CU		250			2.50
	FE		1000			10.0
	V		500			5.00
Cal Std 4	AS	M760000M	100	4.00		2.00
	CD		50	10.00		1.00
	PB		50			1.00
	SE		50			1.00
	TL		100			2.00
Single Metals	CA	M760000N	10000	1.00	2.50	50.0
	MG	M760000O	10000	1.00	2.50	50.0
	K	M760000P	10000	1.00	2.50	50.0
	NA	M760000Q	10000	1.00	2.50	50.0
	SB	M760000R	1000	2.00	5.00	10.0
	SN	M760000S	1000	2.00	5.00	10.0
	B	M760000T	1000	1.00	2.50	5.00
	MO	M760000U	1000	1.00	2.50	5.00
	TI	M760000V	1000	1.00	2.50	5.00
	SR	M760000W	1000	1.00	2.50	5.00

Analyst/Date	Letter ID	Nitric Acid Lot#/Concentration	Hydrochloric Acid Lot#/Concentration	Expiration Date	Pipet ID
LH 4/25/19	A	M760000S 2%	M760000T 5%	9/28/19	M32, M35
LH 4/25/19	B	M760000S 10%	M760000T 5%	9/28/19	M32, M35
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP MRL (Standard is prepared every 6 months or as needed)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M7600008L	5000	0.200	1000	1.00
	MG		5000			1.00
	K		5000			1.00
	NA		5000			1.00
Cal Std 2	AG	M7600010X	100	0.100		0.0100
	CR		100			0.0100
	MN		150			0.0150
	NI		400			0.0400
	ZN		200			0.0200
Cal Std 3	AL	M7600009L	2000	0.100		0.200
	BA		2000			0.200
	BE		50			0.0050
	CO		500			0.0500
	CU		250			0.0250
	FE		1000			0.100
	V		500			0.0500
	AS	M7600010M	100	0.200		0.0200
Cal Std 4	CD		50			0.0100
	PB		50			0.0100
	SE		50			0.0100
	TL		100			0.0200
	Single Metals	B	M7600008L	1000	0.200	
MO		M7600008L	1000	0.025		0.0250
SN		M7600007D	1000	0.500		0.500
TI		M7600007D	1000	0.050		0.0500
SB		M7600008L	1000	0.060		0.0600
SR		M7600008L	1000	0.100		0.100
P		-	1000	0.100		0.100

Analyst/Date	Letter ID	Nitric Acid Lot#/Concentration	Hydrochloric Acid Lot #/Concentration	Expiration Date	Pipet ID
LH 4/26/19	A	M7600009S	M7600009G	10/26/19	M25MS
	B				
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP HLCCV2 (Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M7600008M	100	2.00	100	2.00
	CR		100			Below
	MN		150			Below
	NI		400			8.00
	ZN		200			4.00
Cal Std 3	AL	M7600008N	2000	2.00		Below
	BA		2000			40.0
	BE		50			1.00
	CO, V		500			10.0
	CU		250			5.00
	FE		1000			Below
Cal Std 4	AS, TL	M7600008D	100	4.00		4.00
	CD, SE		50			2.00
	PB		50			Below
Single Metals	B	M7600008X	1000	1.00		10.0
	MO	M7600008Y	1000	1.00		10.0
	TI	M7600008Z	1000	1.00		10.0
	SR	M7600008G	1000	1.00		10.0
	CA	M7600008R	10000	2.50		250
	MG	M7600008L	10000	5.00		500
	NA	M7600008Y	10000	1.50 2.00	2.00	150 2.00
	CR	M7600008H	1000	0.800	3/19/19	10.0
	FE	M7600008J	10000	0.300	LL	50
	AL	M7600008C	10000	4.60		500
	MN	M7600008G	1000	0.700		10.00
	PB	M7600008H	1000	0.800		10.0
K	M7600008S	10000	1.50		150	

Analyst/Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M7600008F 2%	M7600008H 5%	4/13/19	M35
LH 3/13/19	B	M7600008F 10%	M7600008H 5%	4/13/19	M35
LH 3/19/19	C	M7600008F 2%	M7600008H 5%	4/19/19	M35
LH 4/3/19	D	M7600008F 10%	M7600008H 5%	4/3/19	M35
CK 4/18/19	E	M7600008S 2%	M7600008G 5%	5/18/19	M35
LH 5/7/19	F	M7600008S 10%	M7600008G 5%	5/7/19	M35
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				

ICP HLCCV3

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Elements	CA	M76000552	10000	2.00	100	200
	CU	M7600057K	1000	0.40		4.00
	FE	M760007J	10000	0.40		40.0
	K	M7600055	10000	1.00		100
	TL	M7600009D	1000	0.30		3.00
	NG	M7600059Y	10000	1.50		150

Analyst / Date	Letter ID	Nitric Acid Lot #/ Concentration	Hydrochloric Acid Lot #/ Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M7600058F2%	M7600009H5%	4/13/19	M35
LH 3/13/19	B	M7600058F10%	M7600009H5%	4/13/19	M35
LH 4/5/19	C	M7600059.510%	M7600009H5%	5/4/19	M35
LH 4/12/19	D	M7600009S 2%	M7600009G 5%	5/12/19	M35
LH 5/1/19	E	M7600059S10%	M7600009G 5%	6/1/19	M35
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				

OPTIMA 3/5/6 ICSA STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M76000005K	Multi	50	1000	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250

Analyst/Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
NM 6/18/18	A	M76000006E 10%	M76000005F 5%	12/18/18	Volume 100
NM 8/9/18	B	M76000006E 10%	M76000005F 5%	2/9/19	Volume 100
NM 10/2/18	C	M76000006X 10%	M76000005F 5%	3/31/19	Volume 100
LH 12/10/18	D	M76000006F 2%	M76000006W 5%	8/31/19	Volume 100
LH 12/17/18	E	M76000006F 10%	M76000006W 5%	8/31/19	Volume 100
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP ICSAB STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M76000091	Multi	25	500	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250
Int. B Sol'n	M76000090	Multi	5		Multi
AG		20			0.200
BA		50			0.500
BE		50			0.500
CD		100			1.00
CO		50			0.500
CR		50			0.500
CU		50			0.500
MN		50			0.500
NI		100			1.00
PB		5			0.0500
V		50			0.500
ZN		100			1.00
AS		10			0.100
SB		60			0.600
SE		5			0.0500
TL		10			0.100

Analyst/Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/20/19	A	M76000082	M76000091H5	9/20/19	via meter
LH 4/9/19	B	M76000091	M76000091H5	10/9/19	via meter
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP INTERNAL STANDARD (ADDED ON-LINE)

Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Hydro-chloric Acid Lot #	Expiration Date	Pipet ID
Y	M7600009Q	10000	2.0	2000	10.0	5 % HCl 2% HNO3	LH 4/21/19	A	M7600009S	M760000901	10/24/19	M35
CS	M7600009R	10000	2.0		10.0		LH 5/2/19	B	M7600009S	M760000901	11/2/19	M35
							##	C				
								D				
								E				
								F				
								G				
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				
								T				
								V				

Sample Dilutions

Analyst: LA

Date 5/6/19

Instrument: ICPL

Analysis 6010

Common Dilutions

Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor
1/2	HNO3/HCL	3	3	1/2												
1/3	HNO3/HCL	3	6	1/3												
1/4	HNO3/HCL	2	6	1/4												
1/5	HNO3/HCL	2	8	1/5												
1/10	HNO3/HCL	1	9	1/10												
1/20	HNO3/HCL	3	3	1/2	1	9	1/20									
1/30	HNO3/HCL	3	6	1/3	1	9	1/30									
1/40	HNO3/HCL	1	3	1/4	1	9	1/40									
1/50	HNO3/HCL	1	4	1/5	1	9	1/50									
1/100	HNO3/HCL	1	9	1/10	1	9	1/100									
1/200	HNO3/HCL	3	3	1/2	1	9	1/20	1	9	1/200						
1/300	HNO3/HCL	3	6	1/3	1	9	1/30	1	9	1/300						
1/400	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400						
1/500	HNO3/HCL	1	4	1/5	1	9	1/50	1	9	1/500						
1/1000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000						
1/2000	HNO3/HCL	3	3	1/2	1	9	1/20	1	9	1/200	1	9	1/2000			
1/3000	HNO3/HCL	3	6	1/3	1	9	1/30	1	9	1/300	1	9	1/3000			
1/4000	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400	1	9	1/4000			
1/10000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000	1	9	1/10000			
1/20000	HNO3/HCL	1	1	1/2	1	9	1/20	1	9	1/200	1	9	1/2000	1	9	1/20000
1/40000	HNO3/HCL	1	3	1/4	1	9	1/40	1	9	1/400	1	9	1/4000	1	9	1/40000
1/100000	HNO3/HCL	1	9	1/10	1	9	1/100	1	9	1/1000	1	9	1/10000	1	9	1/100000

Special Dilutions

Dilution	Matrix of Diluent	1st Dilution			2nd Dilution			3rd Dilution			4th Dilution			5th Dilution		
		mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor	mL's of Sample	mL's of Diluent	Dilution Factor

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634534 Method/Testcode: 6010C/Na T

<u>Lab Code</u>	<u>Target Analytes</u>	<u>QC</u>	<u>Parent Sample</u>	<u>Matrix</u>	<u>Raw Result</u>	<u>Sample Amt</u>	<u>Final Result</u>	<u>Dil</u>	<u>MDL</u>	<u>PQL</u>	<u>% Rec</u>	<u>% RSD</u>	<u>Date Analyzed</u>	<u>QC?</u>	<u>Tier</u>
1903882-003	Sodium, Total	N/A		Water	39.88 ppm	50 mL	399000 µg/L	10	2000	10000			5/6/19 17:28:14	N	II
1903882-004	Calcium, Total	N/A		Water	88.16 ppm	50 mL	882000 µg/L	10	3000	10000			5/6/19 17:31:34	N	II
1903882-004	Sodium, Total	N/A		Water	48.24 ppm	50 mL	482000 µg/L	10	2000	10000			5/6/19 17:31:34	N	II
1903882-011	Calcium, Total	N/A		Water	30.68 ppm	50 mL	307000 µg/L	10	3000	10000			5/6/19 17:34:54	N	II
1903882-011	Sodium, Total	N/A		Water	22.56 ppm	50 mL	226000 µg/L	10	2000	10000			5/6/19 17:34:54	N	II
1903882-006	Calcium, Total	N/A		Water	69.46 ppm	50 mL	695000 µg/L	10	3000	10000			5/6/19 17:38:13	N	II
1903882-008	Calcium, Total	N/A		Water	67.47 ppm	50 mL	675000 µg/L	10	3000	10000			5/6/19 17:41:33	N	II
1903882-009	Calcium, Total	N/A		Water	55.98 ppm	50 mL	560000 µg/L	10	3000	10000			5/6/19 17:44:53	N	II

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634535 Method/Testcode: 6010C/Ba T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904163-06	Barium, Total	MB		Solid	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.0	2.0			5/6/19 17:51:33	N	II
RQ1904163-06	Cadmium, Total	MB		Solid	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/6/19 17:51:33	N	II
RQ1904163-06	Chromium, Total	MB		Solid	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/6/19 17:51:33	N	II
RQ1904163-06	Iron, Total	MB		Solid	0.01 ppm	0.5 g	20 mg/Kg U	1	13	20			5/6/19 17:51:33	N	II
RQ1904163-06	Lead, Total	MB		Solid	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/6/19 17:51:33	N	II
RQ1904163-06	Silver, Total	MB		Solid	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.08	1.0			5/6/19 17:51:33	N	II
RQ1904163-07	Barium, Total	LCS		Solid	2.13 ppm	0.5 g	213 mg/Kg	1	1.0	2.0	106		5/6/19 18:01:33	N	II
RQ1904163-07	Cadmium, Total	LCS		Solid	0.05 ppm	0.5 g	5.08 mg/Kg	1	0.08	0.50	102		5/6/19 18:01:33	N	II
RQ1904163-07	Chromium, Total	LCS		Solid	0.21 ppm	0.5 g	21.2 mg/Kg	1	0.4	1.0	106		5/6/19 18:01:33	N	II
RQ1904163-07	Iron, Total	LCS		Solid	1.00 ppm	0.5 g	100 mg/Kg	1	13	20	100		5/6/19 18:01:33	N	II
RQ1904163-07	Lead, Total	LCS		Solid	0.52 ppm	0.5 g	51.5 mg/Kg	1	0.4	5.0	103		5/6/19 18:01:33	N	II
RQ1904163-07	Silver, Total	LCS		Solid	0.05 ppm	0.5 g	4.93 mg/Kg	1	0.08	1.0	99		5/6/19 18:01:33	N	II
R1903890-001	Iron, Total	N/A		Solid	0.13 ppm	0.5 g	20 mg/Kg U	1	13	20			5/6/19 18:08:12	N	II
R1903890-002	Iron, Total	N/A		Solid	0.04 ppm	0.5 g	20 mg/Kg U	1	13	20			5/6/19 18:11:32	N	II
R1903954-001	Barium, Total	N/A		Soil	1.89 ppm	0.5300 g	178 mg/Kg #	1	1.0	1.9			5/6/19 18:14:52	N	IV
R1903954-001	Cadmium, Total	N/A		Soil	0.01 ppm	0.5300 g	0.48 mg/Kg #	1	0.08	0.47			5/6/19 18:14:52	N	IV
R1903954-001	Chromium, Total	N/A		Soil	0.08 ppm	0.5300 g	7.72 mg/Kg #	1	0.35	0.94			5/6/19 18:14:52	N	IV
R1903954-001	Silver, Total	N/A		Soil	0.00 ppm	0.5300 g	0.28 mg/Kg # J	1	0.08	0.94			5/6/19 18:14:52	N	IV
RQ1904163-04	Barium, Total	MS	R1903954-001	Soil	2.97 ppm	0.5 g	297 mg/Kg #	1	1.0	2.0	59*		5/6/19 18:18:10	N	IV
RQ1904163-04	Cadmium, Total	MS	R1903954-001	Soil	0.06 ppm	0.5 g	5.92 mg/Kg #	1	0.08	0.50	109		5/6/19 18:18:10	N	IV
RQ1904163-04	Chromium, Total	MS	R1903954-001	Soil	0.31 ppm	0.5 g	31.2 mg/Kg #	1	0.4	1.0	117		5/6/19 18:18:10	N	IV
RQ1904163-04	Silver, Total	MS	R1903954-001	Soil	0.05 ppm	0.5 g	5.4 mg/Kg #	1	0.08	1.0	102		5/6/19 18:18:10	N	IV
RQ1904163-05	Barium, Total	DMS	R1903954-001	Soil	2.98 ppm	0.5500 g	271 mg/Kg #	1	1.0	1.8	51*	9	5/6/19 18:21:30	N	IV
RQ1904163-05	Cadmium, Total	DMS	R1903954-001	Soil	0.05 ppm	0.5500 g	4.82 mg/Kg #	1	0.08	0.45	95	21*	5/6/19 18:21:30	N	IV
RQ1904163-05	Chromium, Total	DMS	R1903954-001	Soil	0.29 ppm	0.5500 g	26.5 mg/Kg #	1	0.35	0.91	103	16	5/6/19 18:21:30	N	IV
RQ1904163-05	Silver, Total	DMS	R1903954-001	Soil	0.06 ppm	0.5500 g	5.38 mg/Kg #	1	0.08	0.91	112	<1	5/6/19 18:21:30	N	IV
R1903954-003	Barium, Total	N/A		Soil	0.69 ppm	0.5300 g	64.8 mg/Kg #	1	1.0	1.9			5/6/19 18:31:27	N	IV
R1903954-003	Cadmium, Total	N/A		Soil	0.00 ppm	0.5300 g	0.30 mg/Kg # J	1	0.08	0.47			5/6/19 18:31:27	N	IV
R1903954-003	Chromium, Total	N/A		Soil	0.06 ppm	0.5300 g	5.51 mg/Kg #	1	0.35	0.94			5/6/19 18:31:27	N	IV
R1903954-003	Lead, Total	N/A		Soil	0.85 ppm	0.5300 g	79.8 mg/Kg #	1	0.4	4.7			5/6/19 18:31:27	N	IV
R1903954-003	Silver, Total	N/A		Soil	0.00 ppm	0.5300 g	0.33 mg/Kg # J	1	0.08	0.94			5/6/19 18:31:27	N	IV
R1903954-006	Barium, Total	N/A		Soil	0.40 ppm	0.5 g	40.3 mg/Kg #	1	1.0	2.0			5/6/19 18:41:25	N	IV
R1903954-006	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.13 mg/Kg # J	1	0.08	0.50			5/6/19 18:41:25	N	IV
R1903954-006	Chromium, Total	N/A		Soil	0.08 ppm	0.5 g	8.3 mg/Kg #	1	0.4	1.0			5/6/19 18:41:25	N	IV
R1903954-006	Lead, Total	N/A		Soil	0.59 ppm	0.5 g	59.0 mg/Kg #	1	0.4	5.0			5/6/19 18:41:25	N	IV
R1903954-006	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	0.08 mg/Kg # J	1	0.08	1.0			5/6/19 18:41:25	N	IV

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 634535 Method/Testcode: 6010C/Ba T

<u>Lab Code</u>	<u>Target Analytes</u>	<u>QC</u>	<u>Parent Sample</u>	<u>Matrix</u>	<u>Raw Result</u>	<u>Sample Amt</u>	<u>Final Result</u>	<u>Dil</u>	<u>MDL</u>	<u>PQL</u>	<u>% Rec</u>	<u>% RSD</u>	<u>Date Analyzed</u>	<u>QC?</u>	<u>Tier</u>
1903954-008	Barium, Total	N/A		Soil	0.67 ppm	0.5400 g	62.2 mg/Kg #	1	1.0	1.9			5/6/19 18:44:46	N	IV
1903954-008	Cadmium, Total	N/A		Soil	0.01 ppm	0.5400 g	0.94 mg/Kg #	1	0.08	0.46			5/6/19 18:44:46	N	IV
1903954-008	Chromium, Total	N/A		Soil	0.07 ppm	0.5400 g	6.05 mg/Kg #	1	0.35	0.93			5/6/19 18:44:46	N	IV
1903954-008	Lead, Total	N/A		Soil	2.84 ppm	0.5400 g	263 mg/Kg #	1	0.4	4.6			5/6/19 18:44:46	N	IV
1903954-008	Silver, Total	N/A		Soil	0.00 ppm	0.5400 g	0.93 mg/Kg # U	1	0.08	0.93			5/6/19 18:44:46	N	IV
1903954-010	Barium, Total	N/A		Soil	1.20 ppm	0.5500 g	109 mg/Kg #	1	1.0	1.8			5/6/19 18:48:06	N	IV
1903954-010	Cadmium, Total	N/A		Soil	0.01 ppm	0.5500 g	1.03 mg/Kg #	1	0.08	0.45			5/6/19 18:48:06	N	IV
1903954-010	Chromium, Total	N/A		Soil	0.08 ppm	0.5500 g	7.19 mg/Kg #	1	0.35	0.91			5/6/19 18:48:06	N	IV
1903954-010	Lead, Total	N/A		Soil	2.01 ppm	0.5500 g	183 mg/Kg #	1	0.4	4.5			5/6/19 18:48:06	N	IV
1903954-010	Silver, Total	N/A		Soil	0.00 ppm	0.5500 g	0.91 mg/Kg # U	1	0.08	0.91			5/6/19 18:48:06	N	IV

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Metals Cover Page

Analyst: KSM

Date: 5/21/19

Instrument: FIMSII

Data File: MAY07-S

Reviewed By: KSM

Entered By: KSM

Starlims Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
034697	Hg	336079 336200	7471B		

Perkin Elmer FIMS Run Log

Serial number: 101S12110203

Analyst: KSM

Data File: MAY07-S

Date Prepped: 5/7/19

Date Analyzed: 5/7/19

Lot #: Calibration/CRDL Source Standard: M7600008W ICV/CCV/LCS/MS Source Standard: M7600007N
 Cal/ CRDL 10ppm stock: M7840090A ICV/CCV/LCS/MS 10ppm stock: M7840040A
 Cal/ CRDL 0.1ppm stock: M7840090C ICV/CCV/LCS/MS 0.1 ppm stock: M7840040C
 Pipet ID: M15, M23, M28 DOD Pipet Verification: _____

1	Calib Blank	98	PBS-336079	8	CCV
2	0.2ppb std	99	LCSS-336079	1	CCB
3	0.5ppb std	100	LOD	138	R1903957-002 RPT
4	1.0ppb std	101	LOQ	139	R1903957-002S RPT
5	2.0ppb std	102	R1903900-001	140	R1903957-002SD RPT
6	5.0ppb std	103	R1903943-003	8	CCV
7	10.0ppb std	104	R1903954-001	1	CCB
8	ICV	105	R1903954-003	114	R1903957-008
1	ICB	8	CCV	115	R1903959-003
2	MRL	1	CCB	116	R1903959-005
8	CCV	106	R1903954-006	117	R1903959-008
1	CCB	107	R1903954-008	118	R1903959-010
		108	R1903954-010	119	R1903967-009
		109	R1903957-002	120	R1903967-010
		110	R1903957-002S	2	MRL
		111	R1903957-002SD	8	CCV
		112	R1903957-004	1	CCB
		113	R1903957-007	121	Sample121
		8	CCV		
		1	CCB		
		114	R1903957-008		
		115	R1903959-003		
		116	R1903959-005		
		117	R1903959-008		
		118	R1903959-010		
		119	R1903967-009		
		120	R1903967-010		
		2	MRL		
		8	CCV		
		1	CCB		
		121	Sample121		

KSM
5/7/19

R1903957-008
 R1903959-003
 R1903959-005
 R1903959-008
 R1903959-010
 R1903967-009
 R1903967-010
 MRL
 CCV
 CCB
 Sample121

DO NOT USE

KSM 5/7/19

Analysis Begun

Logged In Analyst: ALRCE Metals01
Spectrometer: FIMS-100, S/N B050-9550

Technique: AA FIMS-MHS
Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer\AA\Data\Sample Information\Routine.sif
Batch ID:
Results Data Set: MAY07-S
Results Library: C:\Users\Public\PerkinElmer\AA\Data\Results\MAY19.mdb

Sequence No.: 1
Sample ID: Calib Blank
Analyst:
Autosampler Location: 1
Date Collected: 5/7/2019 3:40:30 PM
Data Type: Original

Replicate Data: Calib Blank Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0009	0.0045	0.0009	3:41:19 PM	Yes
2		[0.00]	0.0010	0.0049	0.0010	3:41:48 PM	Yes
Mean:		[0.00]	0.0010				
SD:		0.0000	0.0000				
%RSD:		0.00%	2.11				

Auto-zero performed.

Sequence No.: 2
Sample ID: 0.2ppb std
Analyst:
Autosampler Location: 2
Date Collected: 5/7/2019 3:42:06 PM
Data Type: Original

Replicate Data: 0.2ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.0031	0.0173	0.0040	3:42:56 PM	Yes
2		[0.2]	0.0031	0.0182	0.0041	3:43:25 PM	Yes
Mean:		[0.2]	0.0031				
SD:		0.000	0.0000				
%RSD:		0.00%	1.24				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.01549 Intercept: 0.00000

Sequence No.: 3
Sample ID: 0.5ppb std
Analyst:
Autosampler Location: 3
Date Collected: 5/7/2019 3:43:43 PM
Data Type: Original

Replicate Data: 0.5ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.0086	0.0431	0.0096	3:44:33 PM	Yes
2		[0.5]	0.0084	0.0419	0.0094	3:45:02 PM	Yes
Mean:		[0.5]	0.0085				
SD:		0.000	0.0001				
%RSD:		0.00%	1.57				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.996924 Slope: 0.01680 Intercept: 0.00000

Sequence No.: 4
Sample ID: 1.0ppb std
Analyst:
Autosampler Location: 4
Date Collected: 5/7/2019 3:45:22 PM
Data Type: Original

Replicate Data: 1.0ppb std Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
--------	-----------------	---------------	-----------------	-----------	-------------	------	-------------

1 [1.0] 0.0176 0.0841 0.0185 3:46:12 PM Yes
 2 [1.0] 0.0173 0.0817 0.0183 3:46:41 PM Yes
 Mean: [1.0] 0.0175
 SD: 0.000 0.0002
 %RSD: 0.00% 0.92
 Standard number 3 applied. [1.0]
 Correlation Coef.: 0.999080 Slope: 0.01731 Intercept: 0.00000

=====

Sequence No.: 5 Autosampler Location: 5
 Sample ID: 2.0ppb std Date Collected: 5/7/2019 3:47:00 PM
 Analyst: Data Type: Original

Replicate Data: 2.0ppb std Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	[2.0]	[2.0]	0.0326	0.1534	0.0336	3:47:51 PM	Yes
2	[2.0]	[2.0]	0.0322	0.1500	0.0332	3:48:20 PM	Yes
Mean:	[2.0]	[2.0]	0.0324				
SD:	0.000	0.000	0.0003				
%RSD:	0.00%	0.00%	0.87				

Standard number 4 applied. [2.0]
 Correlation Coef.: 0.998646 Slope: 0.01648 Intercept: 0.00000

=====

Sequence No.: 6 Autosampler Location: 6
 Sample ID: 5.0ppb std Date Collected: 5/7/2019 3:48:40 PM
 Analyst: Data Type: Original

Replicate Data: 5.0ppb std Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	[5.0]	[5.0]	0.0903	0.4125	0.0913	3:49:29 PM	Yes
2	[5.0]	[5.0]	0.0898	0.4095	0.0908	3:49:58 PM	Yes
Mean:	[5.0]	[5.0]	0.0901				
SD:	0.000	0.000	0.0004				
%RSD:	0.00%	0.00%	0.40				

Standard number 5 applied. [5.0]
 Correlation Coef.: 0.998759 Slope: 0.01777 Intercept: 0.00000

=====

Sequence No.: 7 Autosampler Location: 7
 Sample ID: 10.0ppb std Date Collected: 5/7/2019 3:50:16 PM
 Analyst: Data Type: Original

Replicate Data: 10.0ppb std Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	[10.0]	[10.0]	0.1740	0.7940	0.1750	3:51:05 PM	Yes
2	[10.0]	[10.0]	0.1721	0.7840	0.1730	3:51:34 PM	Yes
Mean:	[10.0]	[10.0]	0.1730				
SD:	0.000	0.000	0.0014				
%RSD:	0.00%	0.00%	0.80				

Standard number 6 applied. [10.0]
 Correlation Coef.: 0.999624 Slope: 0.01741 Intercept: 0.00000
 The calibration curve may not be linear.

Calibration data for Hg 253.7 Equation: Linear Through Zero

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	0.000	0.00	2.11
0.2ppb std	0.0031	0.2	0.178	0.00	1.24
0.5ppb std	0.0085	0.5	0.488	0.00	1.57
1.0ppb std	0.0175	1.0	1.002	0.00	0.92
2.0ppb std	0.0324	2.0	1.860	0.00	0.87
5.0ppb std	0.0901	5.0	5.173	0.00	0.40

10.0ppb std 0.1730 10.0 9.937 0.00 0.80
Correlation Coef.: 0.999624 Slope: 0.01741 Intercept: 0.00000

Sequence No.: 8 Autosampler Location: 8
Sample ID: ICV Date Collected: 5/7/2019 3:51:53 PM
Analyst: Data Type: Original

Replicate Data: ICV Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
ug/L ug/L Signal Area Height Stored
1 3.163 3.163 0.0551 0.2541 0.0560 3:52:43 PM Yes
2 3.121 3.121 0.0544 0.2491 0.0553 3:53:12 PM Yes
Mean: 3.142 3.142 0.0547
SD: 0.0295 0.0295 0.0005
%RSD: 0.94% 0.94% 0.94
QC value within limits for Hg 253.7 Recovery = 104.74%
All analyte(s) passed QC.

Sequence No.: 9 Autosampler Location: 1
Sample ID: ICB Date Collected: 5/7/2019 3:53:31 PM
Analyst: Data Type: Original

Replicate Data: ICB Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
ug/L ug/L Signal Area Height Stored
1 -0.000 -0.000 -0.0000 0.0037 0.0010 3:54:20 PM Yes
2 0.002 0.002 0.0000 0.0048 0.0010 3:54:49 PM Yes
Mean: 0.001 0.001 0.0000
SD: 0.0016 0.0016 0.0000
%RSD: 176.95% 176.95% 176.95
QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 2
Sample ID: MRL Date Collected: 5/7/2019 3:55:07 PM
Analyst: Data Type: Original

Replicate Data: MRL Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
ug/L ug/L Signal Area Height Stored
1 0.172 0.172 0.0030 0.0178 0.0040 3:55:56 PM Yes
2 0.174 0.174 0.0030 0.0183 0.0040 3:56:25 PM Yes
Mean: 0.173 0.173 0.0030
SD: 0.0020 0.0020 0.0000
%RSD: 1.15% 1.15% 1.15
QC value within limits for Hg 253.7 Recovery = 86.47%
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 8
Sample ID: CCV Date Collected: 5/7/2019 3:56:44 PM
Analyst: Data Type: Original

Replicate Data: CCV Analyte: Hg 253.7
Repl SampleConc StndConc BlnkCorr Peak Peak Time Peak
ug/L ug/L Signal Area Height Stored
1 3.127 3.127 0.0545 0.2504 0.0554 3:57:34 PM Yes
2 3.134 3.134 0.0546 0.2510 0.0555 3:58:03 PM Yes
Mean: 3.131 3.131 0.0545
SD: 0.0044 0.0044 0.0001
%RSD: 0.14% 0.14% 0.14
QC value within limits for Hg 253.7 Recovery = 104.35%
All analyte(s) passed QC.

Sequence No.: 12
Sample ID: CCB
Analyst:

Autosampler Location: 1
Date Collected: 5/7/2019 3:58:22 PM
Data Type: Original

Replicate Data: CCB

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0001	0.0050	0.0010	3:59:11 PM	Yes
2	-0.001	-0.001	-0.0000	0.0040	0.0010	3:59:40 PM	Yes
Mean:	0.001	0.001	0.0000				
SD:	0.0026	0.0026	0.0000				
%RSD:	194.49%	194.49%	194.49%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13
Sample ID: PBS-336079
Analyst:

Autosampler Location: 98
Date Collected: 5/7/2019 3:59:58 PM
Data Type: Original

Replicate Data: PBS-336079

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.042	-0.042	-0.0007	0.0007	0.0002	4:00:49 PM	Yes
2	-0.041	-0.041	-0.0007	0.0008	0.0003	4:01:18 PM	Yes
Mean:	-0.041	-0.041	-0.0007				
SD:	0.0009	0.0009	0.0000				
%RSD:	2.19%	2.19%	2.19%				

Sequence No.: 14
Sample ID: LCSS-336079
Analyst:

Autosampler Location: 99
Date Collected: 5/7/2019 4:01:38 PM
Data Type: Original

Replicate Data: LCSS-336079

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.906	0.906	0.0158	0.0773	0.0167	4:02:29 PM	Yes
2	0.889	0.889	0.0155	0.0746	0.0164	4:02:57 PM	Yes
Mean:	0.897	0.897	0.0156				
SD:	0.0117	0.0117	0.0002				
%RSD:	1.30%	1.30%	1.30%				

Sequence No.: 15
Sample ID: LOD
Analyst:

Autosampler Location: 100
Date Collected: 5/7/2019 4:03:18 PM
Data Type: Original

Replicate Data: LOD

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.046	0.046	0.0008	0.0082	0.0018	4:04:08 PM	Yes
2	0.043	0.043	0.0007	0.0075	0.0017	4:04:37 PM	Yes
Mean:	0.045	0.045	0.0008				
SD:	0.0027	0.0027	0.0000				
%RSD:	6.02%	6.02%	6.02%				

Sequence No.: 16
Sample ID: LOQ
Analyst:

Autosampler Location: 101
Date Collected: 5/7/2019 4:04:58 PM
Data Type: Original

Replicate Data: LOQ

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
--------	-----------------	---------------	-----------------	-----------	-------------	------	-------------

1	0.168	0.168	0.0029	0.0183	0.0039	4:05:48 PM	Yes
2	0.154	0.154	0.0027	0.0153	0.0036	4:06:18 PM	Yes
Mean:	0.161	0.161	0.0028				
SD:	0.0097	0.0097	0.0002				
%RSD:	6.01%	6.01%	6.01				

Sequence No.: 17

Sample ID: R1903900-001

Analyst:

Autosampler Location: 102

Date Collected: 5/7/2019 4:06:38 PM

Data Type: Original

Replicate Data: R1903900-001

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.335	0.335	0.0058	0.0314	0.0068	4:07:28 PM	Yes
2	0.336	0.336	0.0058	0.0316	0.0068	4:07:57 PM	Yes
Mean:	0.336	0.336	0.0058				
SD:	0.0003	0.0003	0.0000				
%RSD:	0.10%	0.10%	0.10				

Sequence No.: 18

Sample ID: R1903943-003

Analyst:

Autosampler Location: 103

Date Collected: 5/7/2019 4:08:18 PM

Data Type: Original

Replicate Data: R1903943-003

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.561	0.561	0.0098	0.0495	0.0107	4:09:08 PM	Yes
2	0.568	0.568	0.0099	0.0507	0.0109	4:09:37 PM	Yes
Mean:	0.565	0.565	0.0098				
SD:	0.0046	0.0046	0.0001				
%RSD:	0.82%	0.82%	0.82				

Sequence No.: 19

Sample ID: R1903954-001

Analyst:

Autosampler Location: 104

Date Collected: 5/7/2019 4:09:58 PM

Data Type: Original

Replicate Data: R1903954-001

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.960	3.960	0.0690	0.3231	0.0699	4:10:48 PM	Yes
2	3.982	3.982	0.0693	0.3249	0.0703	4:11:17 PM	Yes
Mean:	3.971	3.971	0.0691				
SD:	0.0158	0.0158	0.0003				
%RSD:	0.40%	0.40%	0.40				

Sequence No.: 20

Sample ID: R1903954-003

Analyst:

Autosampler Location: 105

Date Collected: 5/7/2019 4:11:37 PM

Data Type: Original

Replicate Data: R1903954-003

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.594	1.594	0.0278	0.1336	0.0287	4:12:28 PM	Yes
2	1.598	1.598	0.0278	0.1324	0.0288	4:12:56 PM	Yes
Mean:	1.596	1.596	0.0278				
SD:	0.0027	0.0027	0.0000				
%RSD:	0.17%	0.17%	0.17				

Sequence No.: 21

Sample ID: CCV

Analyst:

Autosampler Location: 8

Date Collected: 5/7/2019 4:13:16 PM

Data Type: Original

Replicate Data: CCV

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.190	3.190	0.0555	0.2619	0.0565	4:14:06 PM	Yes
2	3.169	3.169	0.0552	0.2597	0.0561	4:14:35 PM	Yes
Mean:	3.179	3.179	0.0554				
SD:	0.0148	0.0148	0.0003				
%RSD:	0.47%	0.47%	0.47				

QC value within limits for Hg 253.7 Recovery = 105.98%

All analyte(s) passed QC.

Sequence No.: 22

Autosampler Location: 1

Sample ID: CCB

Date Collected: 5/7/2019 4:14:54 PM

Analyst:

Data Type: Original

Replicate Data: CCB

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000	-0.000	-0.0000	0.0046	0.0010	4:15:43 PM	Yes
2	-0.002	-0.002	-0.0000	0.0029	0.0009	4:16:11 PM	Yes
Mean:	-0.001	-0.001	-0.0000				
SD:	0.0015	0.0015	0.0000				
%RSD:	111.04%	111.04%	111.04				

QC value within limits for Hg 253.7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 23

Autosampler Location: 106

Sample ID: R1903954-006

Date Collected: 5/7/2019 4:16:30 PM

Analyst:

Data Type: Original

Replicate Data: R1903954-006

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.204	0.204	0.0036	0.0217	0.0045	4:17:20 PM	Yes
2	0.196	0.196	0.0034	0.0206	0.0044	4:17:49 PM	Yes
Mean:	0.200	0.200	0.0035				
SD:	0.0056	0.0056	0.0001				
%RSD:	2.77%	2.77%	2.77				

Sequence No.: 24

Autosampler Location: 107

Sample ID: R1903954-008

Date Collected: 5/7/2019 4:18:09 PM

Analyst:

Data Type: Original

Replicate Data: R1903954-008

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.651	0.651	0.0113	0.0588	0.0123	4:19:00 PM	Yes
2	0.644	0.644	0.0112	0.0576	0.0122	4:19:29 PM	Yes
Mean:	0.648	0.648	0.0113				
SD:	0.0052	0.0052	0.0001				
%RSD:	0.80%	0.80%	0.80				

Sequence No.: 25

Autosampler Location: 108

Sample ID: R1903954-010

Date Collected: 5/7/2019 4:19:49 PM

Analyst:

Data Type: Original

Replicate Data: R1903954-010

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.195	1.195	0.0208	0.1041	0.0218	4:20:40 PM	Yes
2	1.197	1.197	0.0208	0.1033	0.0218	4:21:08 PM	Yes
Mean:	1.196	1.196	0.0208				

SD: 0.0012 0.0012 0.0000
%RSD: 0.10% 0.10% 0.10

Sequence No.: 26
Sample ID: R1903957-002
Analyst:

Autosampler Location: 109
Date Collected: 5/7/2019 4:21:29 PM
Data Type: Original

Replicate Data: R1903957-002

Analyte: Hg 253.7

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Contains 2 replicates and summary statistics.

Sequence No.: 27
Sample ID: R1903957-002S
Analyst:

Autosampler Location: 110
Date Collected: 5/7/2019 4:23:09 PM
Data Type: Original

Replicate Data: R1903957-002S

Analyte: Hg 253.7

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Contains 2 replicates and summary statistics.

Sequence No.: 28
Sample ID: R1903957-002SD
Analyst:

Autosampler Location: 111
Date Collected: 5/7/2019 4:24:49 PM
Data Type: Original

Replicate Data: R1903957-002SD

Analyte: Hg 253.7

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Contains 2 replicates and summary statistics.

Sequence No.: 29
Sample ID: R1903957-004
Analyst:

Autosampler Location: 112
Date Collected: 5/7/2019 4:26:29 PM
Data Type: Original

Replicate Data: R1903957-004

Analyte: Hg 253.7

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Contains 2 replicates and summary statistics.

Sequence No.: 30
Sample ID: R1903957-007
Analyst:

Autosampler Location: 113
Date Collected: 5/7/2019 4:28:09 PM
Data Type: Original

Replicate Data: R1903957-007

Analyte: Hg 253.7

Table with 8 columns: Repl, SampleConc, StndConc, BlnkCorr, Peak Area, Peak Height, Time, Peak Stored. Header row only.

Sequence No.: 35
Sample ID: R1903959-005
Analyst:

Autosampler Location: 116
Date Collected: 5/7/2019 4:36:22 PM
Data Type: Original

DO NOT
REPORT

Replicate Data: R1903959-005

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.029	-0.029	-0.0005	0.0036	0.0005	4:37:13 PM	Yes
2	-0.032	-0.032	-0.0006	0.0026	0.0004	4:37:42 PM	Yes
Mean:	-0.031	-0.031	-0.0005				
SD:	0.0017	0.0017	0.0000				
%RSD:	5.62%	5.62%	5.62				

Sequence No.: 36
Sample ID: R1903959-008
Analyst:

Autosampler Location: 117
Date Collected: 5/7/2019 4:38:02 PM
Data Type: Original

Replicate Data: R1903959-008

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.012	0.012	0.0002	0.0070	0.0012	4:38:53 PM	Yes
2	-0.001	-0.001	-0.0000	0.0052	0.0009	4:39:22 PM	Yes
Mean:	0.005	0.005	0.0001				
SD:	0.0093	0.0093	0.0002				
%RSD:	169.01%	169.01%	169.01				

Sequence No.: 37
Sample ID: R1903959-010
Analyst:

Autosampler Location: 118
Date Collected: 5/7/2019 4:39:43 PM
Data Type: Original

Replicate Data: R1903959-010

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.045	-0.045	-0.0008	0.0016	0.0002	4:40:34 PM	Yes
2	-0.052	-0.052	-0.0009	-0.0001	0.0001	4:41:03 PM	Yes
Mean:	-0.048	-0.048	-0.0008				
SD:	0.0050	0.0050	0.0001				
%RSD:	10.34%	10.34%	10.34				

Sequence No.: 38
Sample ID: R1903967-009
Analyst:

Autosampler Location: 119
Date Collected: 5/7/2019 4:41:23 PM
Data Type: Original

Replicate Data: R1903967-009

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0008	0.0010	0.0002	4:42:14 PM	Yes
2	-0.047	-0.047	-0.0008	0.0010	0.0001	4:42:43 PM	Yes
Mean:	-0.047	-0.047	-0.0008				
SD:	0.0012	0.0012	0.0000				
%RSD:	2.55%	2.55%	2.55				

Sequence No.: 39
Sample ID: R1903967-010
Analyst:

Autosampler Location: 120
Date Collected: 5/7/2019 4:43:03 PM
Data Type: Original

Replicate Data: R1903967-010

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	-0.0009	0.0000	0.0001	4:43:54 PM	Yes
2	-0.052	-0.052	-0.0009	-0.0000	0.0001	4:44:23 PM	Yes

Mean: -0.052 -0.052 -0.0009
SD: 0.0008 0.0008 0.0000
%RSD: 1.51% 1.51% 1.51

DO NOT
REPORT

Sequence No.: 40
Sample ID: MRL
Analyst:

Autosampler Location: 2
Date Collected: 5/7/2019 4:44:44 PM
Data Type: Original

Replicate Data: MRL

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.050	-0.050	-0.0009	0.0001	0.0001	4:45:34 PM	Yes
2	-0.048	-0.048	-0.0008	0.0003	0.0001	4:46:02 PM	Yes
Mean:	-0.049	-0.049	-0.0009				
SD:	0.0014	0.0014	0.0000				
%RSD:	2.75%	2.75%	2.75				

QC value less than the lower limit for Hg 253.7 Recovery = -24.59%
QC Failed. Continue with analysis.

Sequence No.: 41
Sample ID: CCV
Analyst:

Autosampler Location: 8
Date Collected: 5/7/2019 4:46:21 PM
Data Type: Original

Replicate Data: CCV

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.090	0.090	0.0016	0.0125	0.0025	4:47:10 PM	Yes
2	0.087	0.087	0.0015	0.0123	0.0025	4:47:40 PM	Yes
Mean:	0.089	0.089	0.0015				
SD:	0.0020	0.0020	0.0000				
%RSD:	2.25%	2.25%	2.25				

QC value less than the lower limit for Hg 253.7 Recovery = 2.95%
QC Failed. Continue with analysis.

Sequence No.: 42
Sample ID: CCB
Analyst:

Autosampler Location: 1
Date Collected: 5/7/2019 4:47:59 PM
Data Type: Original

Replicate Data: CCB

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0008	0.0009	0.0001	4:48:47 PM	Yes
2	-0.050	-0.050	-0.0009	0.0005	0.0001	4:49:16 PM	Yes
Mean:	-0.048	-0.048	-0.0008				
SD:	0.0019	0.0019	0.0000				
%RSD:	3.84%	3.84%	3.84				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.
User canceled analysis.

Pump tubing broke at sample R1903957-008
New pump tubing applied and samples re-ran

2 1.425 1.425 0.0248 0.1101 0.0258 5:47:59 PM Yes
 Mean: 1.409 1.409 0.0245
 SD: 0.0219 0.0219 0.0004
 %RSD: 1.55% 1.55% 1.55

confirmation

Sequence No.: 5
 Sample ID: R1903957-002SD RPT
 Analyst:

Autosampler Location: 140
 Date Collected: 5/7/2019 5:48:19 PM
 Data Type: Original

Replicate Data: R1903957-002SD RPT

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.397	1.397	0.0243	0.1111	0.0253	5:49:11 PM	Yes
2	1.404	1.404	0.0245	0.1100	0.0254	5:49:39 PM	Yes
Mean:	<u>1.401</u>	1.401	0.0244				
SD:	0.0052	0.0052	0.0001				
%RSD:	0.37%	0.37%	0.37				

Sequence No.: 6
 Sample ID: CCV
 Analyst:

Autosampler Location: 8
 Date Collected: 5/7/2019 5:50:00 PM
 Data Type: Original

Replicate Data: CCV

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.016	3.016	0.0525	0.2317	0.0535	5:50:49 PM	Yes
2	3.018	3.018	0.0526	0.2295	0.0535	5:51:18 PM	Yes
Mean:	<u>3.017</u>	3.017	0.0525				
SD:	0.0018	0.0018	0.0000				
%RSD:	0.06%	0.06%	0.06				

QC value within limits for Hg 253.7 Recovery = 100.57%
 All analyte(s) passed QC.

Sequence No.: 7
 Sample ID: CCB
 Analyst:

Autosampler Location: 1
 Date Collected: 5/7/2019 5:51:37 PM
 Data Type: Original

Replicate Data: CCB

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0049	0.0011	5:52:26 PM	Yes
2	-0.000	-0.000	-0.0000	0.0040	0.0010	5:52:55 PM	Yes
Mean:	<u>0.002</u>	0.002	0.0000				
SD:	0.0042	0.0042	0.0001				
%RSD:	168.17%	168.17%	168.17				

QC value within limits for Hg 253.7 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 8
 Sample ID: R1903957-008
 Analyst:

Autosampler Location: 114
 Date Collected: 5/7/2019 5:53:14 PM
 Data Type: Original

Replicate Data: R1903957-008

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.354	0.354	0.0062	0.0310	0.0071	5:54:04 PM	Yes
2	0.352	0.352	0.0061	0.0304	0.0071	5:54:33 PM	Yes
Mean:	<u>0.353</u>	0.353	0.0061				
SD:	0.0019	0.0019	0.0000				
%RSD:	0.54%	0.54%	0.54				

Sequence No.: 9

Autosampler Location: 115

Sample ID: R1903959-003
Analyst:

Date Collected: 5/7/2019 5:54:54 PM
Data Type: Original

Replicate Data: R1903959-003

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.751	2.751	0.0479	0.2115	0.0489	5:55:44 PM	Yes
2	2.766	2.766	0.0482	0.2120	0.0491	5:56:13 PM	Yes
Mean:	2.759	2.759	0.0480				
SD:	0.0106	0.0106	0.0002				
%RSD:	0.39%	0.39%	0.39				

Sequence No.: 10
Sample ID: R1903959-005
Analyst:

Autosampler Location: 116
Date Collected: 5/7/2019 5:56:34 PM
Data Type: Original

Replicate Data: R1903959-005

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.432	0.432	0.0075	0.0365	0.0085	5:57:25 PM	Yes
2	0.436	0.436	0.0076	0.0369	0.0086	5:57:54 PM	Yes
Mean:	0.434	0.434	0.0076				
SD:	0.0029	0.0029	0.0001				
%RSD:	0.67%	0.67%	0.67				

Sequence No.: 11
Sample ID: R1903959-008
Analyst:

Autosampler Location: 117
Date Collected: 5/7/2019 5:58:14 PM
Data Type: Original

Replicate Data: R1903959-008

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.653	1.653	0.0288	0.1281	0.0298	5:59:05 PM	Yes
2	1.649	1.649	0.0287	0.1267	0.0297	5:59:34 PM	Yes
Mean:	1.651	1.651	0.0288				
SD:	0.0035	0.0035	0.0001				
%RSD:	0.21%	0.21%	0.21				

Sequence No.: 12
Sample ID: R1903959-010
Analyst:

Autosampler Location: 118
Date Collected: 5/7/2019 5:59:54 PM
Data Type: Original

Replicate Data: R1903959-010

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.065	0.065	0.0011	0.0088	0.0021	6:00:45 PM	Yes
2	0.064	0.064	0.0011	0.0088	0.0021	6:01:13 PM	Yes
Mean:	0.064	0.064	0.0011				
SD:	0.0007	0.0007	0.0000				
%RSD:	1.12%	1.12%	1.12				

Sequence No.: 13
Sample ID: R1903967-009
Analyst:

Autosampler Location: 119
Date Collected: 5/7/2019 6:01:34 PM
Data Type: Original

Replicate Data: R1903967-009

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018	0.018	0.0003	0.0055	0.0013	6:02:25 PM	Yes
2	0.022	0.022	0.0004	0.0063	0.0013	6:02:53 PM	Yes
Mean:	0.020	0.020	0.0003				
SD:	0.0026	0.0026	0.0000				

%RSD: 12.88% 12.88% 12.88%

Sequence No.: 14
 Sample ID: R1903967-010
 Analyst:

Autosampler Location: 120
 Date Collected: 5/7/2019 6:03:14 PM
 Data Type: Original

Replicate Data: R1903967-010

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blnk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.204	0.204	0.0036	0.0190	0.0045	6:04:04 PM	Yes
2	0.214	0.214	0.0037	0.0199	0.0047	6:04:33 PM	Yes
Mean:	0.209	0.209	0.0036				
SD:	0.0072	0.0072	0.0001				
%RSD:	3.44%	3.44%	3.44				

Sequence No.: 15
 Sample ID: MRL
 Analyst:

Autosampler Location: 2
 Date Collected: 5/7/2019 6:04:54 PM
 Data Type: Original

Replicate Data: MRL

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blnk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.172	0.172	0.0030	0.0176	0.0040	6:05:43 PM	Yes
2	0.165	0.165	0.0029	0.0163	0.0038	6:06:12 PM	Yes
Mean:	0.168	0.168	0.0029				
SD:	0.0050	0.0050	0.0001				
%RSD:	2.97%	2.97%	2.97				

QC value within limits for Hg 253.7 Recovery = 84.03%
 All analyte(s) passed QC.

Sequence No.: 16
 Sample ID: CCV
 Analyst:

Autosampler Location: 8
 Date Collected: 5/7/2019 6:06:31 PM
 Data Type: Original

Replicate Data: CCV

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blnk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.025	3.025	0.0527	0.2304	0.0536	6:07:20 PM	Yes
2	3.019	3.019	0.0526	0.2286	0.0535	6:07:49 PM	Yes
Mean:	3.022	3.022	0.0526				
SD:	0.0044	0.0044	0.0001				
%RSD:	0.15%	0.15%	0.15				

QC value within limits for Hg 253.7 Recovery = 100.74%
 All analyte(s) passed QC.

Sequence No.: 17
 Sample ID: CCB
 Analyst:

Autosampler Location: 1
 Date Collected: 5/7/2019 6:08:08 PM
 Data Type: Original

Replicate Data: CCB

Analyte: Hg 253.7

Repl #	Sample Conc ug/L	Std Conc ug/L	Blnk Corr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0000	0.0043	0.0010	6:08:57 PM	Yes
2	0.001	0.001	0.0000	0.0038	0.0010	6:09:25 PM	Yes
Mean:	0.002	0.002	0.0000				
SD:	0.0008	0.0008	0.0000				
%RSD:	42.23%	42.23%	42.23				

QC value within limits for Hg 253.7 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 18
 Sample ID: Sample121

Autosampler Location: 121
 Date Collected: 5/7/2019 6:09:44 PM

Analyst:

Data Type: Original

Replicate Data: Sample121

Analyte: Hg 253.7

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0009	-0.0002	0.0000	6:10:35 PM	Yes
2	-0.052	-0.052	-0.0009	0.0003	0.0001	6:11:04 PM	Yes
Mean:	-0.053	-0.053	-0.0009				
SD:	0.0017	0.0017	0.0000				
%RSD:	3.26%	3.26%	3.26				

Preparation Information Benchsheet

Prep Run#: 336079
 Team: Metals/NMANSEN

Prep Workflow: HgDigS
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 5/7/19 07:10

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904196-01	MB		0.6g	7471B/Hg				100.00mL			HB: 4 Well: B2 Temp: 90.0C/94.0C Corr. Factor: 0.0C Corr. Temp: 90.0C/94.0C/
2	RQ1904196-02	LCS		0.6g	7471B/Hg				100.00mL		1.0000 mL/199195	On HB: 8:30 Off HB: 8:32 On HB: 8:50 Off HB: 9:20
3	R1903900-001	West/East Secondary	.02	0.6300g	7471B/Hg				100.00mL			Pipets/Repipettors used: M15, M23, M28, M250, M702, M207
4	R1903943-003	Sludge/Cake	.01	0.6200g	7471B/Hg				100.00mL			
5	R1903954-001	TB-01-24 (1-3)	.01	0.6200g	7471B/Hg				100.00mL			
6	R1903954-003	TB-02-24 (2-4)	.02	0.6g	7471B/Hg				100.00mL			
7	R1903954-006	TB-05-24 (1-4)	.03	0.6100g	7471B/Hg				100.00mL			
8	R1903954-008	TB-06-24 (4-5)	.02	0.6100g	7471B/Hg				100.00mL			
9	R1903954-010	TB-07-24 (2-4)	.02	0.6400g	7471B/Hg				100.00mL			
10	R1903957-002	TP-02 (2-4)	.11	0.6400g	7471B/Hg				100.00mL			
11	RQ1904196-03	R1903957-002 MS	.11	0.6300g	7471B/Hg				100.00mL		1.0000 mL/199195	
12	RQ1904196-04	R1903957-002 DMS	.11	0.6200g	7471B/Hg				100.00mL		1.0000 mL/199195	
13	R1903957-004	TP-04 (4-5)	.02	0.6500g	7471B/Hg				100.00mL			
14	R1903957-007	TP-07 (8-8.5)	.03	0.6300g	7471B/Hg				100.00mL			
15	R1903957-008	TP-08 (4-5)	.03	0.6200g	7471B/Hg				100.00mL			
16	R1903959-003	TB-01-32 (3-4)	.01	0.6300g	7471B/Hg				100.00mL			
17	R1903959-005	TB-02-32 (3-4)	.01	0.6100g	7471B/Hg				100.00mL			
18	R1903959-008	TB-03-32 (5-7)	.01	0.6300g	7471B/Hg				100.00mL			
19	R1903959-010	TB-04-32 (4-5)	.02	0.6100g	7471B/Hg				100.00mL			
20	R1903967-009	B-3	.02	0.6400g	7471B/Hg				100.00mL			
21	R1903967-010	B-4	.02	0.6500g	7471B/Hg				100.00mL			

Spiking Solutions

Name: Mercury LCSW Metals Hg Inventory ID: 199195 Logbook Ref: 199195 Expires On: 05/08/2019

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	125 mL 1812117-9046-AF (198000)
Hydroxylamine Hydrochloride Reagent Grade	M7600009E (197997)	Potassium Permanganate RG KMnO4	M7600008H (197996)	Thermometer	377 (182584)

Preparation Information Benchsheet

Prep Run#: 336079
Team: Metals/NMANSEN

Prep WorkFlow: HgDigS
Prep Method: Method

Status: Prepped
Prep Date/Time: 5/7/19 07:10

Preparation Steps

Step: Digestion
Started: 5/7/19 07:10
Finished: 5/7/19 09:45
By: KMCLAEN
Comments

Comments: prepped with curve M78400905

Reviewed By: [Signature] Date: 5/8/19

Chain of Custody

Relinquished By: <u>Keely MeJen</u>	Date: <u>5/7/19</u>	Extracts Examined Yes No
Received By: <u>RACI</u>	Date: <u>5/7/19</u>	

Date: 5/7/19

Analyst: NM

Prep Number: 336079

Sample	ICP (g)	Hg (g)	Sample Description
MB		-	W-C
LCS		-	W-C
LOG		-	W-C
LOD		-	W-C
R3900-001		0.63	Br-F
R3943-003		0.62	Bl-M
R3954-001		0.62	Multi-C
R3954-003		0.60	M-C
R3954-006		0.61	M-C
R3954-008		0.61	Br-M
R3954-010		0.64	Br-M
R3957-002		0.64	Br-M
MS		0.63	
MSD		0.62	
R3957-004		0.65	Br-M
R3957-007		0.63	Br-F
R3957-008		0.62	Br-F
R3959-003		0.63	M-C
R3959-005		0.61	Br-F
R3959-008		0.63	Br-F
R3959-010		0.61	Br-F
R3967-009		0.64	Br-F
R3967-010		0.65	Br-FM

NM
5/7/19

MERCURY CCV / LCSW / MS STANDARDS

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/Date	Letter ID	Nitric Acid Lot #	Expiration Date	Pipet ID
Hg CCV Stk A	M7600007N	1000	1.00	100	10	0.5%HNO3	KSM 5/6/19	A	M7600009S	5/13/19	M28

(PREPARED DAILY)

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/Date	Letter ID	Nitric Acid Lot #	Pipet ID
Hg CCV Stk B	Hg CCV Stk A	10.0	1.00	100	0.100	0.5%HNO3	KSM 5/6/19	B	M7600009S	M28
							NM 5/7/19	C	M7600009S	M28
								D		
								E		
								F		
								G		
								H		

(PREPARED AND DIGESTED DAILY WITH SAMPLE PREP RUNS)

CCV Standard (ppb)	ALS Lot #	Conc. (ppm)	Vol. (mL) Soil	Vol. (mL) Water	Final Vol. (mls)	Final Conc. (ppb)	Water/Soil	Analyst/Date	Letter ID	Pipet ID
CCV	Hg CCV Stk B	0.100	3.00	0.75	Soils- Final vol. 100mL after digest.	3.00	Water	KSM 5/6/19	I	M23, M27
						1.00	Soil	NM 5/7/19	J	M28
LCS / MS					Water - Final Vol of 25 mL before digest.				K	
									L	
									M	
									N	
									O	

MERCURY CALIBRATION / CRDL STANDARDS

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/Date	Letter ID	Nitric Acid Lot #	Expiration Date	Pipet ID
Hg Cal Stk A	M7600008W	1000	1.00	100	10	0.5% HNO3	KSM 5/6/19	A	M7600009S	5/13/19	M28

(PREPARED DAILY)

Standard	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/Date	Letter ID	Nitric Acid Lot #	Pipet ID
Hg Cal StkB	Hg Cal Stk A	10.0	1.00	100	0.100	0.5% HNO3	KSM 5/6/19	B	M7600009S	M28
							NM 5/7/19	C	M7600009S	M28
								D		
								E		
								F		
								G		
								H		

(PREPARED AND DIGESTED DAILY WITH SAMPLE PREP RUNS)

CAL Standard (ppb)	ALS Lot #	Conc. (ppm)	Vol. (mL) Soil	Vol. (mL) Water	Final Vol. (mls)	Final Conc. (ppb)	Water/Soil	Analyst/Date	Letter ID	Pipet ID
0.200	Hg Cal Stk B	0.100	0.200	0.05	Soils- Dilute to 10mL w/ DI. Final vol. 100mL after digest. Water - dilute to Final Vol of 25 mL with DI before digest.	0.200	Water	KSM 5/6/19	I	M23, M27, M28, M31
0.500			0.500	0.125		0.500	Soil	NM 5/7/19	J	M15, M23, M28
1.00			1.00	0.25		1.00			K	
2.00			2.00	0.5		2.00			L	
5.00			5.00	1.25		5.00			M	
10.0			10.0	2.5		10.0			N	
CRA			0.200	0.05		0.200			O	

Analytical Results Summary

Instrument Name: R-CVAA-02

Analyst: KMCLAEN

Analysis Lot: 634697 Method/Testcode: 7471B/Hg

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904196-01	Mercury, Total	MB		Sludge, Solid	-0.04 µg/L	0.6 g	0.033 mg/Kg U	1	0.006	0.033			5/7/19 16:01	N	II
1904196-02	Mercury, Total	LCS		Sludge, Solid	0.90 µg/L	0.6 g	0.150 mg/Kg	1	0.006	0.033	90		5/7/19 16:02	N	II
1903900-001	Mercury, Total	N/A		Sludge, Solid	0.34 µg/L	0.6300 g	0.92 mg/Kg	1	0.10	0.55			5/7/19 16:07	N	II
1903943-003	Mercury, Total	N/A		Sludge, Solid	0.56 µg/L	0.6200 g	0.091 mg/Kg #	1	0.006	0.032			5/7/19 16:09	N	II
1903954-001	Mercury, Total	N/A		Soil	3.97 µg/L	0.6200 g	0.768 mg/Kg	1	0.007	0.038			5/7/19 16:11	N	IV
1903954-003	Mercury, Total	N/A		Soil	1.60 µg/L	0.6 g	0.312 mg/Kg	1	0.007	0.039			5/7/19 16:12	N	IV
1903954-006	Mercury, Total	N/A		Soil	0.20 µg/L	0.6100 g	0.043 mg/Kg	1	0.008	0.042			5/7/19 16:17	N	IV
1903954-008	Mercury, Total	N/A		Soil	0.65 µg/L	0.6100 g	0.119 mg/Kg	1	0.007	0.036			5/7/19 16:19	N	IV
1903954-010	Mercury, Total	N/A		Soil	1.20 µg/L	0.6400 g	0.210 mg/Kg	1	0.007	0.035			5/7/19 16:21	N	IV
1903957-002	Mercury, Total	N/A		Soil	0.74 µg/L	0.6400 g	0.132 mg/Kg	1	0.007	0.036			5/7/19 16:22	Y	IV
1904196-03	Mercury, Total	MS	R1903957-002	Soil	1.48 µg/L	0.6300 g	0.270 mg/Kg	1	0.007	0.036	75*		5/7/19 16:24	N	IV
1904196-04	Mercury, Total	DMS	R1903957-002	Soil	1.46 µg/L	0.6200 g	0.271 mg/Kg	1	0.007	0.037	75*	<1	5/7/19 16:26	N	IV
1903957-004	Mercury, Total	N/A		Soil	0.70 µg/L	0.6500 g	0.117 mg/Kg	1	0.006	0.033			5/7/19 16:27	N	IV
1903957-007	Mercury, Total	N/A		Soil	4.39 µg/L	0.6300 g	0.826 mg/Kg	1	0.007	0.037			5/7/19 16:29	N	IV
1903957-008	Mercury, Total	N/A		Soil	0.35 µg/L	0.6200 g	0.062 mg/Kg	1	0.007	0.035			5/7/19 17:54	N	IV
1903959-003	Mercury, Total	N/A		Soil	2.76 µg/L	0.6300 g	0.517 mg/Kg	1	0.007	0.037			5/7/19 17:56	N	IV
1903959-005	Mercury, Total	N/A		Soil	0.43 µg/L	0.6100 g	0.083 mg/Kg	1	0.007	0.038			5/7/19 17:57	N	IV
1903959-008	Mercury, Total	N/A		Soil	1.65 µg/L	0.6300 g	0.311 mg/Kg	1	0.007	0.037			5/7/19 17:59	N	IV
1903959-010	Mercury, Total	N/A		Soil	0.06 µg/L	0.6100 g	0.012 mg/Kg J	1	0.007	0.037			5/7/19 18:01	N	IV
1903967-009	Mercury, Total	N/A		Soil	0.02 µg/L	0.6400 g	0.033 mg/Kg U	1	0.006	0.033			5/7/19 18:02	N	II
1903967-010	Mercury, Total	N/A		Soil	0.21 µg/L	0.6500 g	0.037 mg/Kg	1	0.007	0.035			5/7/19 18:04	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium	10000	10200	102	10000	10300	103	10300	103	P
Cadmium	500	483	97	500	485	97	491	98	P
Mercury	3.00	3.14	105	3.00	3.13	104	3.18	106	CV
Chromium	500	500	100	500	501	100	504	101	P
Lead	500	495	99	500	493	99	498	100	P
Silver	500	495	99	500	494	99	490	98	P

Comments:

METALS
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10300	103	10300	103	P
Cadmium				500	491	98	486	97	P
Mercury				3.00	2.88	96	3.02	101	CV
Chromium				500	503	101	502	100	P
Lead				500	500	100	497	99	P
Silver				500	494	99	496	99	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10300	103	10400	104	P
Cadmium				500	487	97	502	100	P
Mercury				3.00	3.02	101			CV
Chromium				500	503	101	511	102	P
Lead				500	498	100	510	102	P
Silver				500	496	99	493	99	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	977	98	1000	979	98	977	98	P
Lead	500	506	101	500	508	102	520	104	P
Selenium	500	482	96	500	489	98	481	96	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	981	98	986	99	P
Lead				500	508	102	507	101	P
Selenium				500	484	97	489	98	P

Comments:

METALS

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BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Barium	9.70 U	9.70	U	9.70	U	9.70	U	0.970	U	P
Cadmium	0.73 U	0.73	U	0.73	U	0.73	U	0.073	U	P
Mercury	0.035 U	0.035	U	0.035	U	-0.041	J	-0.007	J	CV
Chromium	3.50 U	3.50	U	3.50	U	3.50	U	0.350	U	P
Lead	4.00 U	4.00	U	4.00	U	4.00	U	0.400	U	P
Silver	0.71 U	0.71	U	0.71	U	0.71	U	0.071	U	P

Comments:

METALS

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BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Barium		9.70	U	9.70	U	9.70	U			P
Cadmium		0.73	U	0.73	U	0.73	U			P
Mercury		0.035	U	0.035	U					CV
Chromium		3.50	U	3.50	U	3.50	U			P
Lead		4.00	U	4.00	U	4.00	U			P
Silver		0.71	U	0.71	U	0.71	U			P

Comments:

METALS

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BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): MG/KG

Analyte	Initial Calib. Blank ug/L		Continuing Calibration Blank ug/L						Preparation Blank		M
	C		1	C	2	C	3	C	C		
Arsenic	7.00	U	7.00	U	7.00	U	7.00	U	0.700	U	P
Lead	4.00	U	4.00	U	4.00	U	4.00	U			P
Selenium	5.40	U	5.40	U	5.40	U	5.40	U	0.540	U	P

Comments:

METALS

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BLANKS

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Arsenic		7.00	U							P
Lead		4.00	U							P
Selenium		5.40	U							P

Comments:

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/6/2019 End Date: 5/6/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
BLANK	1.00	16:37					X	X	X			X								X						
STANDARD 1	1.00	16:41				X	X	X			X									X						
STANDARD 2	1.00	16:44				X	X	X			X									X						
STANDARD 3	1.00	16:47				X	X	X			X									X						
STANDARD 4	1.00	16:51				X	X	X			X									X						
STANDARD 5	1.00	16:54				X	X	X			X									X						
ICV1	1.00	16:58				X	X	X			X									X						
ICB1	1.00	17:01				X	X	X			X									X						
CRDL1	1.00	17:04				X	X	X			X									X						
ICS-A1	1.00	17:08				X	X	X			X									X						
ICS-AB1	1.00	17:11				X	X	X			X									X						
CCV1	1.00	17:14				X	X	X			X									X						
CCB1	1.00	17:18				X	X	X			X									X						
ZZZZZZ	1.00	17:21																								
ZZZZZZ	1.00	17:24																								
ZZZZZZ	10.00	17:28																								
ZZZZZZ	10.00	17:31																								
ZZZZZZ	10.00	17:34																								
ZZZZZZ	10.00	17:38																								
ZZZZZZ	10.00	17:41																								
ZZZZZZ	10.00	17:44																								
ZZZZZZ	10.00	17:48																								
PBS	1.00	17:51				X	X	X			X									X						
CCV2	1.00	17:54				X	X	X			X									X						
CCB2	1.00	17:58				X	X	X			X									X						
LCSS	1.00	18:01				X	X	X			X									X						
ZZZZZZ	1.00	18:04																								
ZZZZZZ	1.00	18:08																								
ZZZZZZ	1.00	18:11																								
TB-01-24 (1-3)	1.00	18:14				X	X	X												X						
TB-01-24 (1-3)S	1.00	18:18				X	X	X												X						
TB-01-24 (1-3)SD	1.00	18:21				X	X	X												X						
TB-01-24 (1-3)A	1.00	18:24				X	X	X												X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/6/2019 End Date: 5/6/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
TB-01-24 (1-3)L	5.00	18:28				X	X	X												X							
TB-02-24 (2-4)	1.00	18:31				X	X	X				X								X							
CCV3	1.00	18:34				X	X	X				X								X							
CCB3	1.00	18:38				X	X	X				X								X							
TB-05-24 (1-4)	1.00	18:41				X	X	X				X								X							
TB-06-24 (4-5)	1.00	18:44				X	X	X				X								X							
TB-07-24 (2-4)	1.00	18:48				X	X	X				X								X							
ZZZZZZ	10.00	18:51																									
ZZZZZZ	10.00	18:54																									
ZZZZZZ	10.00	18:58																									
ZZZZZZ	10.00	19:01																									
ZZZZZZ	1.00	19:04																									
ZZZZZZ	1.00	19:08																									
ZZZZZZ	10.00	19:11																									
CCV4	1.00	19:14				X	X	X				X								X							
CCB4	1.00	19:18				X	X	X				X								X							
ZZZZZZ	10.00	19:21																									
ZZZZZZ	10.00	19:24																									
ZZZZZZ	10.00	19:28																									
ZZZZZZ	10.00	19:31																									
CCV5	1.00	19:34				X	X	X				X								X							
CCB5	1.00	19:37				X	X	X				X								X							
CRDL2	1.00	19:41				X	X	X				X								X							
ICS-A2	1.00	19:44				X	X	X				X								X							
ICS-AB2	1.00	19:47				X	X	X				X								X							
ZZZZZZ	1.00	19:51																									
ZZZZZZ	1.00	19:54																									
ZZZZZZ	1.00	19:57																									
CCV6	1.00	20:01				X	X	X				X								X							
CCB6	1.00	20:04				X	X	X				X								X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
BLANK	1.00	16:05			X								X							X											
STANDARD 1	1.00	16:08			X								X							X											
STANDARD 2	1.00	16:12			X								X							X											
STANDARD 3	1.00	16:15			X								X							X											
STANDARD 4	1.00	16:18			X								X							X											
STANDARD 5	1.00	16:22			X								X							X											
ICV2	1.00	16:37			X								X							X											
ICB2	1.00	16:40			X								X							X											
CRDL1	1.00	16:43			X								X							X											
ICS-A1	1.00	16:47			X								X							X											
ICS-AB1	1.00	16:50			X								X							X											
CCV1	1.00	16:53			X								X							X											
CCB1	1.00	17:03			X								X							X											
PBS	1.00	17:06			X															X											
LCSS	1.00	17:09			X															X											
TB-01-24 (1-3)	20.00	17:13											X																		
TB-01-24 (1-3)S	20.00	17:16											X																		
TB-01-24 (1-3)SD	20.00	17:19											X																		
TB-01-24 (1-3)A	20.00	17:23											X																		
TB-01-24 (1-3)L	20.00	17:26											X																		
TB-01-24 (1-3)	1.00	17:29			X																X										
TB-01-24 (1-3)S	1.00	17:33			X																X										
TB-01-24 (1-3)SD	1.00	17:36			X																X										
CCV2	1.00	17:39			X								X							X											
CCB2	1.00	17:43			X								X							X											
TB-01-24 (1-3)A	1.00	17:46			X															X											
TB-01-24 (1-3)L	5.00	17:49			X															X											
TB-02-24 (2-4)	1.00	17:53			X															X											
TB-05-24 (1-4)	1.00	17:56			X															X											
TB-06-24 (4-5)	1.00	17:59			X															X											
TB-07-24 (2-4)	1.00	18:03			X															X											
CCV3	1.00	18:06			X								X							X											
CCB3	1.00	18:09			X								X							X											

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
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ANALYSIS RUN LOG

Contract: R1903954
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-
 Instrument ID Number: Agilent ICP Method: P
 Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
CRDL2	1.00	18:13				X														X							
ICS-A2	1.00	18:16				X														X							
ICS-AB2	1.00	18:19				X														X							
ZZZZZZ	1.00	18:23																									
ZZZZZZ	1.00	18:26																									
ZZZZZZ	1.00	18:29																									
CCV4	1.00	18:33				X														X							
CCB4	1.00	18:36				X														X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS
-14-

ANALYSIS RUN LOG

Contract: R1903954
 Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-
 Instrument ID Number: PE FAA/CVAA Method: CV
 Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
Calib Blank	1.00	03:41																										X			
0.2ppb std	1.00	03:43																										X			
0.5ppb std	1.00	03:45																										X			
1.0ppb std	1.00	03:46																										X			
2.0ppb std	1.00	03:48																										X			
5.0ppb std	1.00	03:49																										X			
10.0ppb std	1.00	03:51																										X			
ICV1	1.00	03:53																										X			
ICB1	1.00	03:54																										X			
CRDL1	1.00	03:56																										X			
CCV1	1.00	03:58																										X			
CCB1	1.00	03:59																										X			
PBS	1.00	04:01																										X			
LCSS	1.00	04:02																										X			
ZZZZZZ	1.00	04:04																													
ZZZZZZ	1.00	04:06																													
ZZZZZZ	1.00	04:07																													
ZZZZZZ	1.00	04:09																													
TB-01-24 (1-3)	1.00	04:11																										X			
TB-02-24 (2-4)	1.00	04:12																										X			
CCV2	1.00	04:14																										X			
CCB2	1.00	04:16																										X			
TB-05-24 (1-4)	1.00	04:17																										X			
TB-06-24 (4-5)	1.00	04:19																										X			
TB-07-24 (2-4)	1.00	04:21																										X			
ZZZZZZ	1.00	04:22																													
ZZZZZZ	1.00	04:24																													
ZZZZZZ	1.00	04:26																													
ZZZZZZ	1.00	04:27																													
ZZZZZZ	1.00	04:29																													
CCV3	1.00	04:31																										X			
CCB3	1.00	04:32																										X			
ZZZZZZ	1.00	04:34																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: TB-01-24 (1-

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 5/7/2019 End Date: 5/7/2019

Sample ID.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	04:36																													
ZZZZZZ	1.00	04:37																													
ZZZZZZ	1.00	04:39																													
ZZZZZZ	1.00	04:41																													
ZZZZZZ	1.00	04:42																													
ZZZZZZ	1.00	04:44																													
ZZZZZZ	1.00	04:46																													
ZZZZZZ	1.00	04:47																													
ZZZZZZ	1.00	04:49																													
ZZZZZZ	1.00	05:43																													
ZZZZZZ	1.00	05:44																													
ZZZZZZ	1.00	05:46																													
ZZZZZZ	1.00	05:47																													
ZZZZZZ	1.00	05:49																													
CCV4	1.00	05:51																													
CCB4	1.00	05:52																													
ZZZZZZ	1.00	05:54																													
ZZZZZZ	1.00	05:56																													
ZZZZZZ	1.00	05:57																													
ZZZZZZ	1.00	05:59																													
ZZZZZZ	1.00	06:01																													
ZZZZZZ	1.00	06:02																													
ZZZZZZ	1.00	06:04																													
CRDL2	1.00	06:06																													
CCV5	1.00	06:07																													
CCB5	1.00	06:09																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

-13-

PREPARATION LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-3)

Method: P

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
LCSS	5/6/2019	0.50	50.0
PBS	5/6/2019	0.50	50.0
TB-01-24 (1-3)	5/6/2019	0.53	50.0
TB-01-24 (1-3) S	5/6/2019	0.50	50.0
TB-01-24 (1-3) SD	5/6/2019	0.55	50.0
TB-02-24 (2-4)	5/6/2019	0.53	50.0
TB-05-24 (1-4)	5/6/2019	0.50	50.0
TB-06-24 (4-5)	5/6/2019	0.54	50.0
TB-07-24 (2-4)	5/6/2019	0.55	50.0

Comments:

METALS

-13-

PREPARATION LOG

Contract: R1903954

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-01-24 (1-3)

Method: CV

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
LCSS	5/7/2019	0.60	100.0
PBS	5/7/2019	0.60	100.0
TB-01-24 (1-3)	5/7/2019	0.62	100.0
TB-02-24 (2-4)	5/7/2019	0.60	100.0
TB-05-24 (1-4)	5/7/2019	0.61	100.0
TB-06-24 (4-5)	5/7/2019	0.61	100.0
TB-07-24 (2-4)	5/7/2019	0.64	100.0

Comments:



General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-01-24 (1-3)
Lab Code: R1903954-001

Service Request: R1903954
Date Collected: 04/30/19 15:10
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	83.4	Percent	-	1	05/07/19 07:25	

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dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (6-7)
Lab Code: R1903954-002

Service Request: R1903954
Date Collected: 04/30/19 14:48
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	85.8	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (2-4)
Lab Code: R1903954-003

Service Request: R1903954
Date Collected: 04/30/19 14:34
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	85.3	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-02-24 (7-8)
Lab Code: R1903954-004

Service Request: R1903954
Date Collected: 04/30/19 14:32
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	84.0	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-03-24 (7-8)
Lab Code: R1903954-005

Service Request: R1903954
Date Collected: 04/30/19 11:12
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	77.7	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-05-24 (1-4)
Lab Code: R1903954-006

Service Request: R1903954
Date Collected: 04/30/19 12:27
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	76.5	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-06-24 (7-8)
Lab Code: R1903954-007

Service Request: R1903954
Date Collected: 04/30/19 14:09
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	81.4	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-06-24 (4-5)
Lab Code: R1903954-008

Service Request: R1903954
Date Collected: 04/30/19 14:17
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	89.5	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-07-24 (7-8)
Lab Code: R1903954-009

Service Request: R1903954
Date Collected: 04/30/19 13:44
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	84.4	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-07-24 (2-4)
Lab Code: R1903954-010

Service Request: R1903954
Date Collected: 04/30/19 13:42
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	88.8	Percent	-	1	05/07/19 07:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: TB-08-24 (8-9)
Lab Code: R1903954-011

Service Request: R1903954
Date Collected: 04/30/19 13:09
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Total Solids	ALS SOP	83.4	Percent	-	1	05/07/19 07:25	

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634506 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903954-001	Total Solids	N/A		Soil	83.38 Percent		83.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-002	Total Solids	N/A		Soil	85.78 Percent		85.8 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-003	Total Solids	N/A		Soil	85.35 Percent		85.3 Percent	1 ✓					5/7/19 07:25	N	IV
1904208-01	Total Solids	DUP	R1903954-003	Soil	83.16 Percent		83.2 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903954-004	Total Solids	N/A		Soil	84.03 Percent		84.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-005	Total Solids	N/A		Soil	77.70 Percent		77.7 Percent	1 ✓					5/7/19 07:25	N	IV
1904208-02	Total Solids	DUP	R1903954-005	Soil	75.38 Percent		75.4 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903954-006	Total Solids	N/A		Soil	76.46 Percent		76.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-007	Total Solids	N/A		Soil	81.43 Percent		81.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-008	Total Solids	N/A		Soil	89.50 Percent		89.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-009	Total Solids	N/A		Soil	84.39 Percent		84.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-010	Total Solids	N/A		Soil	88.85 Percent		88.8 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-011	Total Solids	N/A		Soil	83.41 Percent		83.4 Percent	1 ✓					5/7/19 07:25	N	IV

✓
5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634507 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903923-001	Total Solids	N/A		Soil	56.68 Percent		56.7 Percent	1 ✓					5/7/19 07:25	N	IV
1904209-02	Total Solids	DUP	R1903923-001	Soil	55.02 Percent		55.0 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903923-002	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-003	Total Solids	N/A		Soil	92.36 Percent		92.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-004	Total Solids	N/A		Soil	81.57 Percent		81.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-005	Total Solids	N/A		Soil	81.71 Percent		81.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903955-001	Total Solids	N/A		Soil	81.06 Percent		81.1 Percent	1 ✓					5/7/19 07:25	N	IV
1903967-001	Total Solids	N/A		Soil	91.15 Percent		91.1 Percent	1 ✓					5/7/19 07:25	N	II
1903967-002	Total Solids	N/A		Soil	91.18 Percent		91.2 Percent	1 ✓					5/7/19 07:25	N	II
1903967-003	Total Solids	N/A		Soil	91.54 Percent		91.5 Percent	1 ✓					5/7/19 07:25	N	II
1903967-004	Total Solids	N/A		Soil	85.40 Percent		85.4 Percent	1 ✓					5/7/19 07:25	N	II
1903967-005	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1 ✓					5/7/19 07:25	N	II
1903967-006	Total Solids	N/A		Soil	94.77 Percent		94.8 Percent	1 ✓					5/7/19 07:25	N	II
1903967-007	Total Solids	N/A		Soil	91.03 Percent		91.0 Percent	1 ✓					5/7/19 07:25	N	II
1903967-008	Total Solids	N/A		Soil	90.92 Percent		90.9 Percent	1 ✓					5/7/19 07:25	N	II
1903967-009	Total Solids	N/A		Soil	94.96 Percent		95.0 Percent	1 ✓					5/7/19 07:25	N	II
1904209-01	Total Solids	DUP	R1903967-009	Soil	94.77 Percent		94.8 Percent	1 ✓				<1	5/7/19 07:25	N	II
1903967-010	Total Solids	N/A		Soil	87.68 Percent		87.7 Percent	1 ✓					5/7/19 07:25	N	II

✓

 5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634508 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903959-001	Total Solids	N/A		Soil	82.47 Percent		82.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-002	Total Solids	N/A		Soil	76.59 Percent		76.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-003	Total Solids	N/A		Soil	84.74 Percent		84.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-004	Total Solids	N/A		Soil	85.30 Percent		85.3 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-005	Total Solids	N/A		Soil	86.07 Percent		86.1 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-006	Total Solids	N/A		Soil	87.36 Percent		87.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-007	Total Solids	N/A		Soil	85.66 Percent		85.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-008	Total Solids	N/A		Soil	84.22 Percent		84.2 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-009	Total Solids	N/A		Soil	83.33 Percent		83.3 Percent	1 ✓					5/7/19 07:25	N	IV
Q1904210-01	Total Solids	DUP	R1903959-009	Soil	82.62 Percent		82.6 Percent	1 ✓				<1	5/7/19 07:25	N	IV
1903959-010	Total Solids	N/A		Soil	87.72 Percent		87.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903897-001	Total Solids	N/A		Soil	97.02 Percent		97.0 Percent	1 ✓					5/7/19 07:25	N	II
1903957-001	Total Solids	N/A		Soil	86.65 Percent		86.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-002	Total Solids	N/A		Soil	86.82 Percent		86.8 Percent	1 ✓					5/7/19 07:25	Y	IV
Q1904210-02	Total Solids	DUP	R1903957-002	Soil	86.26 Percent		86.3 Percent	1 ✓				<1	5/7/19 07:25	N	IV
1903957-003	Total Solids	N/A		Soil	88.24 Percent		88.2 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-004	Total Solids	N/A		Soil	91.90 Percent		91.9 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-005	Total Solids	N/A		Soil	87.58 Percent		87.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-006	Total Solids	N/A		Soil	88.05 Percent		88.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-007	Total Solids	N/A		Soil	84.34 Percent		84.3 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-008	Total Solids	N/A		Soil	92.45 Percent		92.4 Percent	1 ✓					5/7/19 07:25	N	IV

✓
KAWONG
5/7/19

1 indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method : ALS SOP

Analyst: KW
 Pipet: NA

Date: 5/7/19
 Time: 7:25

Thermolyne F48025-6048000 Muffle Furnace

Balance ID R-BALANCE-018.17 KAC Oven ID 7

Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:

$$\% \text{ VS} = (A - D) / (A - B) * 100$$

% Solids:

$$\% \text{ Solid} = (A - B) / (C - B) * 100$$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
1	MB	1	B) 2.4700	Dry wgt (A): 2.4700		1.00
			C)	550 wgt (D):		
2	R1903959-001	2	B) 2.4000	Dry wgt (A): 11.1500		82.47
			C) 13.0100	550 wgt (D):		
3	R1903959-002	3	B) 2.4200	Dry wgt (A): 10.2400		76.59
			C) 12.6300	550 wgt (D):		
4	R1903959-003	4	B) 2.4600	Dry wgt (A): 11.0100		84.74
			C) 12.5500	550 wgt (D):		
5	R1903959-004	5	B) 2.4200	Dry wgt (A): 11.2400		85.30
			C) 12.7600	550 wgt (D):		
6	R1903959-005	6	B) 2.4700	Dry wgt (A): 11.6800		86.07
			C) 13.1700	550 wgt (D):		
7	R1903959-006	7	B) 2.4800	Dry wgt (A): 11.8100		87.36
			C) 13.1600	550 wgt (D):		
8	R1903959-007	8	B) 2.4600	Dry wgt (A): 12.0800		85.66
			C) 13.6900	550 wgt (D):		
9	R1903959-008	9	B) 2.4000	Dry wgt (A): 11.4200		84.22
			C) 13.1100	550 wgt (D):		
10	R1903959-009	10	B) 2.4400	Dry wgt (A): 10.9900		83.33
			C) 12.7000	550 wgt (D):		
11	R1903959-009 DUP	11	B) 2.4100	Dry wgt (A): 11.3000		82.62
			C) 13.1700	550 wgt (D):		
12	R1903959-010	12	B) 2.3900	Dry wgt (A): 11.9600		87.72
			C) 13.3000	550 wgt (D):		
13	R1903897-001	13	B) 2.4000	Dry wgt (A): 12.1800		97.02
			C) 12.4800	550 wgt (D):		
14	R1903957-001	14	B) 2.4000	Dry wgt (A): 11.3600		86.65
			C) 12.7400	550 wgt (D):		
15	R1903957-002	15	B) 2.4200	Dry wgt (A): 11.5100		86.82
			C) 12.8900	550 wgt (D):		
16	R1903957-002 DUP	16	B) 2.4100	Dry wgt (A): 11.6400		86.26
			C) 13.1100	550 wgt (D):		
17	R1903957-003	17	B) 2.4200	Dry wgt (A): 11.4200		88.24
			C) 12.6200	550 wgt (D):		
18	R1903957-004	18	B) 2.4100	Dry wgt (A): 11.7100		91.90
			C) 12.5300	550 wgt (D):		
19	R1903957-005	19	B) 2.3800	Dry wgt (A): 11.9000		87.58
			C) 13.2500	550 wgt (D):		
20	R1903957-006	20	B) 2.3900	Dry wgt (A): 12.4100		88.05
			C) 13.7700	550 wgt (D):		

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method : ALS SOP

Analyst: KW
 Pipet: NA
 Thermolyne F48025-6048000 Muffle Furnace
 Balance ID R-BALANCE-018 17
 Class 1 Weight Initial: 9.99

Date: 5/7/19
 Time: 7:25
 Oven ID 7
 Final: 9.99

% Volatile Solids:

$\% VS = (A - D) / (A - B) * 100$

% Solids:

$\% Solid = (A - B) / (C - B) * 100$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
21	R1903957-007	21	B) 2.3900	Dry wgt (A): 11.6500		84.34
			C) 13.3700	550 wgt (D):		
22	R1903957-008	22	B) 2.3900	Dry wgt (A): 12.0600		92.45
			C) 12.8500	550 wgt (D):		
23	MB	23	B) 2.4500	Dry wgt (A): 2.4400		1.00
			C)	550 wgt (D):		
24	R1903923-001	24	B) 2.4000	Dry wgt (A): 8.7200		56.68
			C) 13.5500	550 wgt (D):		
25	R1903923-001 DUP	25	B) 2.4400	Dry wgt (A): 8.3000		55.02
			C) 13.0900	550 wgt (D):		
26	R1903923-002	26	B) 2.4700	Dry wgt (A): 11.2300		86.99
			C) 12.5400	550 wgt (D):		
27	R1903923-003	27	B) 2.4800	Dry wgt (A): 12.2700		92.36
			C) 13.0800	550 wgt (D):		
28	R1903923-004	28	B) 2.4900	Dry wgt (A): 10.9900		81.57
			C) 12.9100	550 wgt (D):		
29	R1903923-005	29	B) 2.4700	Dry wgt (A): 10.7800		81.71
			C) 12.6400	550 wgt (D):		
30	R1903955-001	30	B) 2.4700	Dry wgt (A): 10.9000		81.06
			C) 12.8700	550 wgt (D):		
31	R1903967-001	31	B) 2.4000	Dry wgt (A): 12.1800		91.15
			C) 13.1300	550 wgt (D):		
32	R1903967-002	32	B) 2.3800	Dry wgt (A): 11.9900		91.18
			C) 12.9200	550 wgt (D):		
33	R1903967-003	33	B) 2.4400	Dry wgt (A): 11.7500		91.54
			C) 12.6100	550 wgt (D):		
34	R1903967-004	34	B) 2.4600	Dry wgt (A): 11.3500		85.40
			C) 12.8700	550 wgt (D):		
35	R1903967-005	35	B) 2.4400	Dry wgt (A): 12.2700		86.99
			C) 13.7400	550 wgt (D):		
36	R1903967-006	36	B) 2.4400	Dry wgt (A): 12.0500		94.77
			C) 12.5800	550 wgt (D):		
37	R1903967-007	37	B) 2.4800	Dry wgt (A): 11.6100		91.03
			C) 12.5100	550 wgt (D):		
38	R1903967-008	38	B) 2.5000	Dry wgt (A): 12.0100		90.92
			C) 12.9600	550 wgt (D):		
39	R1903967-009	39	B) 2.4400	Dry wgt (A): 12.0400		94.96
			C) 12.5500	550 wgt (D):		
40	R1903967-009 DUP	40	B) 2.5200	Dry wgt (A): 12.1200		94.77
			C) 12.6500	550 wgt (D):		

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method: ALS SOP

Analyst: KW Date: 5/7/19

Pipet: NA Time: 7:25

Thermolyne F48025-6048000 Muffle Furnace

Balance ID R-BALANCE-01817 Oven ID 7

Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:

$$\% \text{ VS} = (A - D) / (A - B) * 100$$

% Solids:

$$\% \text{ Solid} = (A - B) / (C - B) * 100$$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
41	R1903967-010	41	B) 2.4500	Dry wgt (A): 12.4100		87.68
			C) 13.8100	550 wgt (D):		
42	MB	42	B) 2.5000	Dry wgt (A): 2.5200		1.00
			C)	550 wgt (D):		
43	R1903954-001	43	B) 2.4400	Dry wgt (A): 11.5200		83.38
			C) 13.3300	550 wgt (D):		
44	R1903954-002	44	B) 2.4300	Dry wgt (A): 11.3600		85.78
			C) 12.8400	550 wgt (D):		
45	R1903954-003	45	B) 2.4700	Dry wgt (A): 11.1500		85.35
			C) 12.6400	550 wgt (D):		
46	R1903954-003 DUP	46	B) 2.4500	Dry wgt (A): 11.2900		83.16
			C) 13.0800	550 wgt (D):		
47	R1903954-004	47	B) 2.4200	Dry wgt (A): 11.3100		84.03
			C) 13.0000	550 wgt (D):		
48	R1903954-005	48	B) 2.4700	Dry wgt (A): 10.9000		77.70
			C) 13.3200	550 wgt (D):		
49	R1903954-005 DUP	49	B) 2.4300	Dry wgt (A): 10.3600		75.38
			C) 12.9500	550 wgt (D):		
50	R1903954-006	50	B) 2.4500	Dry wgt (A): 10.5700		76.46
			C) 13.0700	550 wgt (D):		
51	R1903954-007	51	B) 2.4800	Dry wgt (A): 10.6800		81.43
			C) 12.5500	550 wgt (D):		
52	R1903954-008	52	B) 2.4500	Dry wgt (A): 12.3400		89.50
			C) 13.5000	550 wgt (D):		
53	R1903954-009	53	B) 2.4100	Dry wgt (A): 11.4900		84.39
			C) 13.1700	550 wgt (D):		
54	R1903954-010	54	B) 2.3900	Dry wgt (A): 11.6300		88.85
			C) 12.7900	550 wgt (D):		
55	R1903954-011	55	B) 2.4600	Dry wgt (A): 11.4100		83.41
			C) 13.1900	550 wgt (D):		

ALS Environmental
1565 Jefferson Rd., Rochester, NY 14623

General Chemistry Analytical Run Cover Sheet

Analyst: KAWONG Date: 5/7/19

Analysis: % Solids Instrument: 0 R-Balance-17
 R-Balance-18

Quality Control:

	Log	Log Book	Log Book	Stock Sol	Stock Sol	Final Vol	True Value
	Book #	Date	Page #	(m/Ls)	(mg/L)	(mLs)	(mg/L)
a) Standards Prep.:							
b) I/CCV Preparation:							
c) LCS Preparation:							
d) Matrix Spike Prep.:							

Instrument log filled in? (Y) (N)

Comments:

Production (optional):

	Start	End	Total
	Time	Time	(minutes)
Preparation Time :			
Analytical Time:			
Finish Time:			

of Samples (including Mtx QC): _____
 Repeats due to Sample: _____
 Repeats due to Error: _____



May 30, 2019

Service Request No:R1903955

Mr. Jeff Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Laboratory Results for: 24 York St

Dear Mr.Danzinger,

Enclosed are the results of the sample(s) submitted to our laboratory May 02, 2019
For your reference, these analyses have been assigned our service request number **R1903955**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



ALS Environmental
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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Day Environmental, Inc.
Project: 24 York St
Sample Matrix: Soil

Service Request: R1903955
Date Received: 05/02/2019

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

One soil sample was received for analysis at ALS Environmental on 05/02/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

Method 8270D, 05/13/2019: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Semivolatile GC:

Method 8082A, 05/08/2019: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on the confirmation column. The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). The data quality was not significantly affected and no further corrective action was taken.

Method 8082A, 634898: The reporting limit is elevated for one or more analytes. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. The extract was highly colored and viscous, which indicated the need to perform a dilution prior to injection into the instrument. Clean-up of the extract was performed within the scope of the method, but did not eliminate enough of the background components to prevent dilution. The result(s) are flagged to indicate the matrix interference.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by 

Date 05/30/2019



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1903955-001	IDW-1	4/30/2019	1515



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

56667

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 2 OF 2

Project Name 24 York St		Project Number 55975-19		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																																					
Project Manager Jeff Danzinger		Report CC Heather McLennon		PRESERVATIVE 6/1																																																					
Company/Address Day Environmental, Inc 1563 Lyell Ave Rochester, NY		Phone # 585-454-0210		Email		<table border="1"> <tr> <th rowspan="2">NUMBER OF CONTAINERS</th> <th colspan="12">ANALYSIS REQUESTED</th> </tr> <tr> <td>GC/MS VOCs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825</td> <td>GC VOCs • 8021 • 801/802</td> <td>PESTICIDES • 8081 • 808</td> <td>PCBs • 8092 • 808</td> <td>METALS, TOTAL (List in comments below)</td> <td>METALS, DISSOLVED (List in comments below)</td> <td>VOCs 624</td> <td>SVOCs 625</td> <td>Full TCP</td> <td>Amphiboly 1030</td> <td>Reactivity</td> <td>pH</td> <td>Preservative Key</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other</td> </tr> </table>												NUMBER OF CONTAINERS	ANALYSIS REQUESTED												GC/MS VOCs • 8260 • 824 • CLP GC/MS SVOCs • 8270 • 825	GC VOCs • 8021 • 801/802	PESTICIDES • 8081 • 808	PCBs • 8092 • 808	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	VOCs 624	SVOCs 625	Full TCP	Amphiboly 1030	Reactivity	pH	Preservative Key														0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other
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													0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other																																												
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Heather McLennon		REMARKS/ ALTERNATE DESCRIPTION																																																					

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING		MATRIX																					
		DATE	TIME																						
TB-08-24 (8-9)		4:30-19	1309	Soil	4	X																			
TMW-01-24		5-1-19	1200	GW	3	X																			
TMW-02-24		5-1-19	1215	GW	3	X																			
TMW-04-24		5-1-19	1240	GW	3	X																			
TMW-06-24		5-1-19	1305	GW	3	X																			
TMW-08-24		5-1-19	1315	GW	3	X																			
IDW-2		5-1-19	1518	NW	5							X	X												
IDW-1		4:30-19	1515	Soil	2												X	X	X	X					

SPECIAL INSTRUCTIONS/COMMENTS Metals	TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION
	<input type="checkbox"/> RUSH (SURCHARGES APPLY) <input type="checkbox"/> 1 day <input checked="" type="checkbox"/> 2 day <input type="checkbox"/> 3 day <input type="checkbox"/> 4 day <input checked="" type="checkbox"/> 5 day <input type="checkbox"/> Standard (10 business days, No Surcharge) REQUESTED REPORT DATE: 5/2/19	<input checked="" type="checkbox"/> I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries (LCS, DUP, MS/MSD as required) <input type="checkbox"/> III. Results + QC and Calibration Summaries <input checked="" type="checkbox"/> IV. Data Validation Report with Raw Data NYDEL Equip Excl Edata <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sec 134/118 Christian Cantano PO # 55975-19 BILL TO: Jeff Danzinger Heather McLennon

STATE WHERE SAMPLES WERE COLLECTED		RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
		Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature	Signature	Signature	Signature
		Printed Name Jeff Danzinger	Printed Name Daniel Whisc	Printed Name	Printed Name	Printed Name	Printed Name
		Firm DAY	Firm ALS	Firm	Firm	Firm	Firm
		Date/Time 5-2-19/1623	Date/Time 5/2/19/1673	Date/Time	Date/Time	Date/Time	Date/Time

R1903955
 Day Environmental, Inc.
 24 York St

5



Cooler Receipt and Preservation Check Form

R1903955

5

Day Environmental, Inc.
24 York St



Project/Client Day Env. Folder Number _____

Cooler received on 5/2/19 by: AW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
4	Circle: Wet Ice Dry Ice Gel packs present?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
6	Where did the bottles originate?	<u>AKS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore <u>5035se</u> NA

8. Temperature Readings Date: 5/2/19 Time: 1645 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.0</u>	<u>1.3</u>	<u>2.7</u>				
Correction Factor (°C)	<u>+0.3</u>	<u>+0.3</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>4.3</u>	<u>1.6</u>	<u>2.5</u>				
Temp from: Type of bottle	<u>Cent. tube</u>	<u>Cent. tube</u>	<u>Cent. tube</u>				
Within 0-6°C?	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-072 by AW on 5/2/19 at 1645
5035 samples placed in storage location: R-079 by AW on 5/2/19 at 1645

Cooler Breakdown/Preservation Check**: Date: 5/3/19 Time: 1440 by: AW

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If+, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 080717-172
Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
<u>PH</u>	<u>SUB</u>
SO3	MARRS
ALS	REV

Labels secondary reviewed by: AW
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1903955-001.01					
		5/3/2019	1438	SMO / GLAFORCE	
		5/3/2019	1439	SUBBED / GLAFORCE	
		5/3/2019	1439	SUBBED / GLAFORCE	
R1903955-001.02	EPA 1311,EPA 1311				
		5/3/2019	1438	SMO / GLAFORCE	
		5/3/2019	1439	R-002 / GLAFORCE	
R1903955-001.03	8082A,ALS SOP				
		5/3/2019	1439	SMO / GLAFORCE	
		5/3/2019	1439	R-002 / GLAFORCE	
		5/7/2019	0757	In Lab / VSTAUFFER	
		5/7/2019	0809	In Lab / KAWONG	
		5/7/2019	0847	R-002 / KAWONG	
R1903955-001.04	9045D				
		5/3/2019	1439	SMO / GLAFORCE	
		5/3/2019	1439	R-002 / GLAFORCE	
R1903955-001.05	8151A,8081B,8270D				
		5/9/2019	1132	In Lab / CWOODS	
		5/10/2019	0759	In Lab / VSTAUFFER	
R1903955-001.06	6010C,6010C,6010C,6010C,6010C,6010C,6010C				
		5/9/2019	1134	In Lab / CWOODS	
		5/9/2019	1410	In Lab / KMCLAEN	
		5/16/2019	1438	SUBBED / GLAFORCE	
R1903955-001.07	8260C				
		5/9/2019	1255	In Lab / CWOODS	
		5/13/2019	1239	In Lab / KRUEST	
		5/13/2019	1348	R-001-S12 / KRUEST	
R1903955-001.08					
		5/9/2019	1255	In Lab / CWOODS	



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\times 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
ALS SOP	Soil	Total Solids

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Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955

Sample Name: IDW-1
Lab Code: R1903955-001
Sample Matrix: Soil

Date Collected: 04/30/19
Date Received: 05/2/19

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	LHERRING
8081B	AMOSSES	AMOSSES
8082A	AMOSSES	AMOSSES
8151A	AMOSSES	AMOSSES
8260C		KRUEST
8270D	BALLGEIER	JMISIUREWICZ
9045D		KWONG
ALS SOP		KAWONG



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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Volatile Organic Compounds by GC/MS

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	05/13/19 14:44	
1,2-Dichloroethane	50 U	50	10	05/13/19 14:44	
2-Butanone (MEK)	100 U	100	10	05/13/19 14:44	
Benzene	50 U	50	10	05/13/19 14:44	
Carbon Tetrachloride	50 U	50	10	05/13/19 14:44	
Chlorobenzene	50 U	50	10	05/13/19 14:44	
Chloroform	50 U	50	10	05/13/19 14:44	
Tetrachloroethene (PCE)	50 U	50	10	05/13/19 14:44	
Trichloroethene (TCE)	50 U	50	10	05/13/19 14:44	
Vinyl Chloride	50 U	50	10	05/13/19 14:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/13/19 14:44	
Dibromofluoromethane	97	89 - 119	05/13/19 14:44	
Toluene-d8	101	87 - 121	05/13/19 14:44	



Semivolatile Organic Compounds by GC/MS

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dichlorobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
2,4,5-Trichlorophenol	100 U	100	1	05/13/19 14:04	5/9/19	
2,4,6-Trichlorophenol	100 U	100	1	05/13/19 14:04	5/9/19	
2,4-Dinitrotoluene	100 U	100	1	05/13/19 14:04	5/9/19	
2-Methylphenol	100 U	100	1	05/13/19 14:04	5/9/19	
3- and 4-Methylphenol Coelution	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachlorobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachlorobutadiene	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachloroethane	100 U	100	1	05/13/19 14:04	5/9/19	
Nitrobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
Pentachlorophenol (PCP)	500 U	500	1	05/13/19 14:04	5/9/19	
Pyridine	500 U	500	1	05/13/19 14:04	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	05/13/19 14:04	
2-Fluorobiphenyl	65	31 - 118	05/13/19 14:04	
2-Fluorophenol	37	10 - 105	05/13/19 14:04	
Nitrobenzene-d5	64	31 - 110	05/13/19 14:04	
Phenol-d6	25	10 - 107	05/13/19 14:04	
p-Terphenyl-d14	73	10 - 165	05/13/19 14:04	



Semivolatile Organic Compounds by GC

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Chlordane	2.5 U	2.5	1	05/13/19 15:05	5/9/19	
Endrin	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
gamma-BHC (Lindane)	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Heptachlor	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Heptachlor Epoxide	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Methoxychlor	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Toxaphene	5.0 U	5.0	1	05/13/19 15:05	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	43	10 - 164	05/13/19 15:05	
Tetrachloro-m-xylene	71	10 - 147	05/13/19 15:05	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1221	420 U	420	5	05/08/19 17:55	5/7/19	
Aroclor 1232	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1242	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1248	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1254	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1260	210 U	210	5	05/08/19 17:55	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	22 - 128	05/08/19 17:55	
Tetrachloro-m-xylene	69	14 - 119	05/08/19 17:55	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2,4-D	5.0 U	5.0	1	05/14/19 12:42	5/10/19	
2,4,5-TP (Silvex)	5.0 U	5.0	1	05/14/19 12:42	5/10/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	67	12 - 131	05/14/19 12:42	



Metals

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METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

IDW-1

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Matrix (soil/water): WATER Lab Sample ID: R1903955-001

Level (low/med): LOW Date Received: 5/2/2019

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	500	U		P
7440-39-3	Barium	1000	U		P
7440-43-9	Cadmium	100	U		P
7440-47-3	Chromium	100	U		P
7439-92-1	Lead	100	U		P
7782-49-2	Selenium	500	U		P
7440-22-4	Silver	100	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____



General Chemistry

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: IDW-1
Lab Code: R1903955-001

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
pH	9045D	7.92	pH Units	-	1	05/03/19 16:45	H
Total Solids	ALS SOP	81.1	Percent	-	1	05/07/19 07:25	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
IDW-1	R1903955-001	96	97	101
Method Blank	RQ1904326-01	97	98	103
Method Blank	RQ1904469-04	93	95	99
Lab Control Sample	RQ1904469-03	94	96	96

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 13:38
Date Extracted:

Method Blank Summary
TCLP Volatile Organics by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904326-01
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUADATA\msvoa12\Data\051319\P26693.D\
Analysis Lot:635198

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904469-03	I:\ACQUADATA\msvoa12\Data\051319\P26689.D\	05/13/19 11:49
IDW-1	R1903955-001	I:\ACQUADATA\msvoa12\Data\051319\P26696.D\	05/13/19 14:44

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904326-01

Units: ug/L
Basis: As Received

TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/13/19 13:38	
1,2-Dichloroethane	5.0 U	5.0	1	05/13/19 13:38	
2-Butanone (MEK)	10 U	10	1	05/13/19 13:38	
Benzene	5.0 U	5.0	1	05/13/19 13:38	
Carbon Tetrachloride	5.0 U	5.0	1	05/13/19 13:38	
Chlorobenzene	5.0 U	5.0	1	05/13/19 13:38	
Chloroform	5.0 U	5.0	1	05/13/19 13:38	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/13/19 13:38	
Trichloroethene (TCE)	5.0 U	5.0	1	05/13/19 13:38	
Vinyl Chloride	5.0 U	5.0	1	05/13/19 13:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	05/13/19 13:38	
Dibromofluoromethane	98	89 - 119	05/13/19 13:38	
Toluene-d8	103	87 - 121	05/13/19 13:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904469-04

Units: ug/L
Basis: As Received

TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/13/19 13:08	
1,2-Dichloroethane	5.0 U	5.0	1	05/13/19 13:08	
2-Butanone (MEK)	10 U	10	1	05/13/19 13:08	
Benzene	5.0 U	5.0	1	05/13/19 13:08	
Carbon Tetrachloride	5.0 U	5.0	1	05/13/19 13:08	
Chlorobenzene	5.0 U	5.0	1	05/13/19 13:08	
Chloroform	5.0 U	5.0	1	05/13/19 13:08	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/13/19 13:08	
Trichloroethene (TCE)	5.0 U	5.0	1	05/13/19 13:08	
Vinyl Chloride	5.0 U	5.0	1	05/13/19 13:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	05/13/19 13:08	
Dibromofluoromethane	95	89 - 119	05/13/19 13:08	
Toluene-d8	99	87 - 121	05/13/19 13:08	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 11:49
Date Extracted:

Lab Control Sample Summary
TCLP Volatile Organics by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904469-03
Analysis Method: 8260C
Prep Method: EPA 5030C

Instrument ID:R-MS-12
File ID:I:\ACQUADATA\msvoa12\Data\051319\P26689.D\
Analysis Lot:635198

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904469-04	I:\ACQUADATA\msvoa12\Data\051319\P26692.D\	05/13/19 13:08
Method Blank	RQ1904326-01	I:\ACQUADATA\msvoa12\Data\051319\P26693.D\	05/13/19 13:38
IDW-1	R1903955-001	I:\ACQUADATA\msvoa12\Data\051319\P26696.D\	05/13/19 14:44

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19

Lab Control Sample Summary
TCLP Volatile Organics by GC/MS

Units:ug/L
Basis:As Received

Lab Control Sample
RQ1904469-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1-Dichloroethene (1,1-DCE)	8260C	17.6	20.0	88	71-118
1,2-Dichloroethane	8260C	18.3	20.0	92	71-127
2-Butanone (MEK)	8260C	15.6	20.0	78	61-137
Benzene	8260C	18.3	20.0	91	79-119
Carbon Tetrachloride	8260C	17.8	20.0	89	70-127
Chlorobenzene	8260C	18.8	20.0	94	80-121
Chloroform	8260C	18.0	20.0	90	79-120
Tetrachloroethene (PCE)	8260C	19.6	20.0	98	72-125
Trichloroethene (TCE)	8260C	19.8	20.0	99	74-122
Vinyl Chloride	8260C	17.6	20.0	88	74-159

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 10:55

Tune Summary
TCLP Volatile Organics by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\051319\P26687.D\
Instrument ID: R-MS-12

Analytical Method: 8260C
Analysis Lot: 635198

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.02	26915	Pass
75	95	30	60	45.43	76339	Pass
95	95	100	100	100.00	168021	Pass
96	95	5	9	6.89	11570	Pass
173	174	0	2	0.83	1297	Pass
174	95	50	120	92.95	156176	Pass
175	174	5	9	6.87	10725	Pass
176	174	95	101	95.09	148515	Pass
177	176	5	9	6.82	10131	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904469-02	I:\ACQUADATA\msvoa12\Data\051319\P26688.D\	05/13/19 11:23	
Lab Control Sample	RQ1904469-03	I:\ACQUADATA\msvoa12\Data\051319\P26689.D\	05/13/19 11:49	
Method Blank	RQ1904469-04	I:\ACQUADATA\msvoa12\Data\051319\P26692.D\	05/13/19 13:08	
Method Blank	RQ1904326-01	I:\ACQUADATA\msvoa12\Data\051319\P26693.D\	05/13/19 13:38	
IDW-1	R1903955-001	I:\ACQUADATA\msvoa12\Data\051319\P26696.D\	05/13/19 14:44	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 11:23

Internal Standard Area and RT SUMMARY
TCLP Volatile Organics by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\051319\P26688.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904469-02
Analysis Lot:635198
Signal ID:1

	1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
Result ==>	335,373	11.84	587,971	6.49	545,123	9.79
Upper Limit ==>	670,746	12.34	1,175,942	6.99	1,090,246	10.29
Lower Limit ==>	167,687	11.34	293,986	5.99	272,562	9.29

Associated Analyses

Lab Control Sample	RQ1904469-03	331140	11.84	625215	6.49	563808	9.79
Method Blank	RQ1904469-04	266061	11.84	528355	6.49	475537	9.79
Method Blank	RQ1904326-01	284422	11.84	556011	6.49	510875	9.79
IDW-1	R1903955-001	273517	11.84	532524	6.49	481521	9.79

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 11:23

Internal Standard Area and RT SUMMARY
TCLP Volatile Organics by GC/MS

File ID: I:\ACQUADATA\msvoa12\Data\051319\P26688.D\
Instrument ID: R-MS-12
Analysis Method: 8260C

Lab Code:RQ1904469-02
Analysis Lot:635198
Signal ID:1

	Pentafluorobenzene	
	Area	RT
Result ==>	415,878	5.41
Upper Limit ==>	831,756	5.91
Lower Limit ==>	207,939	4.91

Associated Analyses

Lab Control Sample	RQ1904469-03	458406	5.41
Method Blank	RQ1904469-04	371908	5.40
Method Blank	RQ1904326-01	382906	5.40
IDW-1	R1903955-001	373566	5.40



Semivolatile Organic Compounds by GC/MS

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		35-141	31-118	10-105
IDW-1	R1903955-001	86	65	37
Method Blank	RQ1904325-01	87	64	34
Method Blank	RQ1904365-01	86	66	33
Lab Control Sample	RQ1904365-02	80	64	33
Duplicate Lab Control Sample	RQ1904365-03	78	62	35

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		31-110	10-107	10-165
IDW-1	R1903955-001	64	25	73
Method Blank	RQ1904325-01	62	24	78
Method Blank	RQ1904365-01	65	22	74
Lab Control Sample	RQ1904365-02	57	23	72
Duplicate Lab Control Sample	RQ1904365-03	57	24	66

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 14:34
Date Extracted: 05/09/19

Method Blank Summary
TCLP Semivolatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904325-01
Analysis Method: 8270D
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUADATA\5973A\DATA\051319\DS014.D\
Analysis Lot:635338
Extraction Lot:336330

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904365-02	I:\ACQUADATA\5973A\DATA\051319\DS005.D\	05/13/19 10:07
Duplicate Lab Control Sample	RQ1904365-03	I:\ACQUADATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36
IDW-1	R1903955-001	I:\ACQUADATA\5973A\DATA\051319\DS013.D\	05/13/19 14:04

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904325-01

Units: ug/L
Basis: As Received

TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dichlorobenzene	100 U	100	1	05/13/19 14:34	5/9/19	
2,4,5-Trichlorophenol	100 U	100	1	05/13/19 14:34	5/9/19	
2,4,6-Trichlorophenol	100 U	100	1	05/13/19 14:34	5/9/19	
2,4-Dinitrotoluene	100 U	100	1	05/13/19 14:34	5/9/19	
2-Methylphenol	100 U	100	1	05/13/19 14:34	5/9/19	
3- and 4-Methylphenol Coelution	100 U	100	1	05/13/19 14:34	5/9/19	
Hexachlorobenzene	100 U	100	1	05/13/19 14:34	5/9/19	
Hexachlorobutadiene	100 U	100	1	05/13/19 14:34	5/9/19	
Hexachloroethane	100 U	100	1	05/13/19 14:34	5/9/19	
Nitrobenzene	100 U	100	1	05/13/19 14:34	5/9/19	
Pentachlorophenol (PCP)	500 U	500	1	05/13/19 14:34	5/9/19	
Pyridine	500 U	500	1	05/13/19 14:34	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	35 - 141	05/13/19 14:34	
2-Fluorobiphenyl	64	31 - 118	05/13/19 14:34	
2-Fluorophenol	34	10 - 105	05/13/19 14:34	
Nitrobenzene-d5	62	31 - 110	05/13/19 14:34	
Phenol-d6	24	10 - 107	05/13/19 14:34	
p-Terphenyl-d14	78	10 - 165	05/13/19 14:34	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904365-01

Units: ug/L
Basis: As Received

TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dichlorobenzene	10 U	10	1	05/13/19 09:38	5/9/19	
2,4,5-Trichlorophenol	10 U	10	1	05/13/19 09:38	5/9/19	
2,4,6-Trichlorophenol	10 U	10	1	05/13/19 09:38	5/9/19	
2,4-Dinitrotoluene	10 U	10	1	05/13/19 09:38	5/9/19	
2-Methylphenol	10 U	10	1	05/13/19 09:38	5/9/19	
3- and 4-Methylphenol Coelution	10 U	10	1	05/13/19 09:38	5/9/19	
Hexachlorobenzene	10 U	10	1	05/13/19 09:38	5/9/19	
Hexachlorobutadiene	10 U	10	1	05/13/19 09:38	5/9/19	
Hexachloroethane	10 U	10	1	05/13/19 09:38	5/9/19	
Nitrobenzene	10 U	10	1	05/13/19 09:38	5/9/19	
Pentachlorophenol (PCP)	50 U	50	1	05/13/19 09:38	5/9/19	
Pyridine	50 U	50	1	05/13/19 09:38	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	05/13/19 09:38	
2-Fluorobiphenyl	66	31 - 118	05/13/19 09:38	
2-Fluorophenol	33	10 - 105	05/13/19 09:38	
Nitrobenzene-d5	65	31 - 110	05/13/19 09:38	
Phenol-d6	22	10 - 107	05/13/19 09:38	
p-Terphenyl-d14	74	10 - 165	05/13/19 09:38	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 10:07
Date Extracted: 05/09/19

Lab Control Sample Summary
TCLP Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904365-02
Analysis Method: 8270D
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUADATA\5973A\DATA\051319\DS005.D\
Analysis Lot:635338
Extraction Lot:336330

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904365-01	I:\ACQUADATA\5973A\DATA\051319\DS004.D\	05/13/19 09:38
Duplicate Lab Control Sample	RQ1904365-03	I:\ACQUADATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36
IDW-1	R1903955-001	I:\ACQUADATA\5973A\DATA\051319\DS013.D\	05/13/19 14:04
Method Blank	RQ1904325-01	I:\ACQUADATA\5973A\DATA\051319\DS014.D\	05/13/19 14:34

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19

Duplicate Lab Control Sample Summary
TCLP Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:As Received

Analyte Name	Lab Control Sample RQ1904365-02				Duplicate Lab Control Sample RQ1904365-03				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,4-Dichlorobenzene	8270D	25.4	50.0	51	24.4	50.0	49	10-124	4	30
2,4,5-Trichlorophenol	8270D	36.7	50.0	73	35.8	50.0	72	48-134	3	30
2,4,6-Trichlorophenol	8270D	35.4	50.0	71	35.7	50.0	71	44-135	1	30
2,4-Dinitrotoluene	8270D	35.3	50.0	71	35.2	50.0	70	54-130	<1	30
2-Methylphenol	8270D	25.4	50.0	51	26.1	50.0	52	47-100	3	30
3- and 4-Methylphenol Coelution	8270D	22.6	50.0	45	22.8	50.0	46	40-92	<1	30
Hexachlorobenzene	8270D	41.5	50.0	83	39.2	50.0	78	53-123	6	30
Hexachlorobutadiene	8270D	28.4	50.0	57	26.7	50.0	53	16-95	6	30
Hexachloroethane	8270D	27.0	50.0	54	25.9	50.0	52	15-92	4	30
Nitrobenzene	8270D	30.0	50.0	60	28.5	50.0	57	46-108	5	30
Pentachlorophenol (PCP)	8270D	56.8	50.0	114	54.2	50.0	108	29-164	5	30
Pyridine	8270D	25.5 J	50.0	51	19.4 J	50.0	39	10-123	27	30

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 08:13

Tune Summary
TCLP Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS001.D\
Instrument ID: R-MS-51

Analytical Method: 8270D
Analysis Lot: 635338

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	45.26	69158	Pass
68	69	0.00	2	0.00	0	Pass
69	198	0.00	100	49.54	75692	Pass
70	69	0.00	2	0.07	54	Pass
127	198	10	80	54.10	82654	Pass
197	198	0.00	2	0.00	0	Pass
198	198	100	100	100.00	152792	Pass
199	198	5	9	7.15	10921	Pass
275	198	10	60	19.81	30272	Pass
365	198	1	100	2.42	3701	Pass
441	442	0.01	24	18.91	17704	Pass
442	442	100	100	100.00	93616	Pass
443	442	15	24	20.14	18856	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904520-04	I:\ACQUADATA\5973A\DATA\051319\DS002.D\	05/13/19 08:41	
Method Blank	RQ1904365-01	I:\ACQUADATA\5973A\DATA\051319\DS004.D\	05/13/19 09:38	
Lab Control Sample	RQ1904365-02	I:\ACQUADATA\5973A\DATA\051319\DS005.D\	05/13/19 10:07	
Duplicate Lab Control Sample	RQ1904365-03	I:\ACQUADATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36	
IDW-1	R1903955-001	I:\ACQUADATA\5973A\DATA\051319\DS013.D\	05/13/19 14:04	
Method Blank	RQ1904325-01	I:\ACQUADATA\5973A\DATA\051319\DS014.D\	05/13/19 14:34	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
TCLP Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 8270D

Lab Code:RQ1904520-04
Analysis Lot:635338
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	164,546	4.73	301,006	7.61	428,068	12.36
Upper Limit ==>	329,092	5.23	602,012	8.11	856,136	12.86
Lower Limit ==>	82,273	4.23	150,503	7.11	214,034	11.86

Associated Analyses

Method Blank	RQ1904365-01	144115	4.74	263517	7.61	391086	12.35
Lab Control Sample	RQ1904365-02	139773	4.73	269101	7.61	405052	12.35
Duplicate Lab Control Sample	RQ1904365-03	143987	4.73	277100	7.61	427340	12.35
IDW-1	R1903955-001	134355	4.73	263484	7.61	371438	12.36
Method Blank	RQ1904325-01	128390	4.73	254331	7.61	358389	12.36

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
TCLP Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 8270D

Lab Code:RQ1904520-04
Analysis Lot:635338
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	628,353	5.90	421,409	15.31	470,232	9.09
Upper Limit ==>	1,256,706	6.40	842,818	15.81	940,464	9.59
Lower Limit ==>	314,177	5.40	210,705	14.81	235,116	8.59

Associated Analyses

Method Blank	RQ1904365-01	520257	5.90	382993	15.29	422100	9.08
Lab Control Sample	RQ1904365-02	565034	5.90	385979	15.30	385845	9.08
Duplicate Lab Control Sample	RQ1904365-03	594044	5.90	412551	15.29	402049	9.08
IDW-1	R1903955-001	509964	5.90	369293	15.31	413654	9.08
Method Blank	RQ1904325-01	489093	5.90	356132	15.30	402434	9.08



Semivolatile Organic Compounds by GC

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10-164	10-147
IDW-1	R1903955-001	43	71
Method Blank	RQ1904325-01	64	86
Method Blank	RQ1904366-01	53	75
Lab Control Sample	RQ1904366-02	42	56
Duplicate Lab Control Sample	RQ1904366-03	43	57

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: NA

Method Blank Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Sample Name:
Lab Code:
Analysis Method: 8081B

Instrument ID:
File ID:
Analysis Lot:635328

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ1904516-01	I:\ACQUADATA\7890N.net\data\051319\ae4083.D	05/13/19 14:12

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 15:40
Date Extracted: 05/09/19

Method Blank Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Sample Name: Method Blank
Lab Code: RQ1904366-01
Analysis Method: 8081B
Prep Method: EPA 3510C
Pre-Prep Method: EPA 1311

Instrument ID:R-GC-63
File ID:I:\ACQUADATA\7890N.net\data\051319\ae4088.D\
Analysis Lot:635328
Extraction Lot:336341

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
IDW-1	R1903955-001	I:\ACQUADATA\7890N.net\data\051319\ae4086.D	05/13/19 15:05
Lab Control Sample	RQ1904366-02	I:\ACQUADATA\7890N.net\data\051319\ae4089.D	05/13/19 15:57
Duplicate Lab Control Sample	RQ1904366-03	I:\ACQUADATA\7890N.net\data\051319\ae4090.D	05/13/19 16:15

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904325-01

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Chlordane	2.5 U	2.5	1	05/13/19 15:22	5/9/19	
Endrin	0.50 U	0.50	1	05/13/19 15:22	5/9/19	
gamma-BHC (Lindane)	0.50 U	0.50	1	05/13/19 15:22	5/9/19	
Heptachlor	0.50 U	0.50	1	05/13/19 15:22	5/9/19	
Heptachlor Epoxide	0.50 U	0.50	1	05/13/19 15:22	5/9/19	
Methoxychlor	0.50 U	0.50	1	05/13/19 15:22	5/9/19	
Toxaphene	5.0 U	5.0	1	05/13/19 15:22	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	64	10 - 164	05/13/19 15:22	
Tetrachloro-m-xylene	86	10 - 147	05/13/19 15:22	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904366-01

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Chlordane	0.25 U	0.25	1	05/13/19 15:40	5/9/19	
Endrin	0.050 U	0.050	1	05/13/19 15:40	5/9/19	
gamma-BHC (Lindane)	0.050 U	0.050	1	05/13/19 15:40	5/9/19	
Heptachlor	0.050 U	0.050	1	05/13/19 15:40	5/9/19	
Heptachlor Epoxide	0.050 U	0.050	1	05/13/19 15:40	5/9/19	
Methoxychlor	0.050 U	0.050	1	05/13/19 15:40	5/9/19	
Toxaphene	0.50 U	0.50	1	05/13/19 15:40	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	10 - 164	05/13/19 15:40	
Tetrachloro-m-xylene	75	10 - 147	05/13/19 15:40	

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: NA

Lab Control Sample Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Sample Name: **Instrument ID:**
Lab Code: **File ID:**
Analysis Method: 8081B **Analysis Lot:**635328

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Performance Evaluation	RQ1904516-01	I:\ACQUADATA\7890N.net\data\051319\ae4083.D	05/13/19 14:12

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19 15:57
Date Extracted: 05/09/19

Lab Control Sample Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Sample Name: Lab Control Sample
Lab Code: RQ1904366-02
Analysis Method: 8081B
Prep Method: EPA 3510C
Pre-Prep Method: EPA 1311

Instrument ID:R-GC-63
File ID:I:\ACQUADATA\7890N.net\data\051319\ae4089.D\
Analysis Lot:635328
Extraction Lot:336341

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
IDW-1	R1903955-001	I:\ACQUADATA\7890N.net\data\051319\ae4086.D	05/13/19 15:05
Method Blank	RQ1904325-01	I:\ACQUADATA\7890N.net\data\051319\ae4087.D	05/13/19 15:22
Method Blank	RQ1904366-01	I:\ACQUADATA\7890N.net\data\051319\ae4088.D	05/13/19 15:40
Duplicate Lab Control Sample	RQ1904366-03	I:\ACQUADATA\7890N.net\data\051319\ae4090.D	05/13/19 16:15

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/13/19

Duplicate Lab Control Sample Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Units:ug/L
Basis:As Received

Analyte Name	Lab Control Sample				Duplicate Lab Control Sample					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Endrin	8081B	0.154	0.200	77	0.166	0.200	83	56-143	8	30
gamma-BHC (Lindane)	8081B	0.156	0.200	78	0.161	0.200	81	41-149	3	30
Heptachlor	8081B	0.142	0.200	71	0.146	0.200	73	32-141	3	30
Heptachlor Epoxide	8081B	0.154	0.200	77	0.167	0.200	83	51-143	8	30
Methoxychlor	8081B	0.156	0.200	78	0.179	0.200	89	56-149	14	30

ALS Group USA, Corp.
dba ALS Environmental

Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ1904366-02

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Endrin	0.050	0.154	0.160	4		1	05/13/19 15:57
Heptachlor	0.050	0.142	0.143	<1		1	05/13/19 15:57
Heptachlor Epoxide	0.050	0.154	0.154	<1		1	05/13/19 15:57
Methoxychlor	0.050	0.156	0.159	2		1	05/13/19 15:57
gamma-BHC (Lindane)	0.050	0.156	0.156	<1		1	05/13/19 15:57

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dba ALS Environmental

Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1904366-03

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3510C

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Endrin	0.050	0.166	0.173	4		1	05/13/19 16:15
Heptachlor	0.050	0.146	0.147	<1		1	05/13/19 16:15
Heptachlor Epoxide	0.050	0.167	0.167	<1		1	05/13/19 16:15
Methoxychlor	0.050	0.179	0.181	1		1	05/13/19 16:15
gamma-BHC (Lindane)	0.050	0.161	0.162	<1		1	05/13/19 16:15

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil
Sample Name: Performance Evaluation
Lab Code: RQ1904516-01

Service Request: R1903955
Date Collected: NA
Date Received:

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

8081B

Prep Method:

		Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Endrin	0.50	4.1	4.3	5	1	1	05/13/19 14:12
Methoxychlor	0.50	18	19	5	1	1	05/13/19 14:12
gamma-BHC (Lindane)	0.50	0.91	0.92	1	1	1	05/13/19 14:12

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3541

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		22-128	14-119
IDW-1	R1903955-001	77	69
Method Blank	RQ1904198-03	55	50
Lab Control Sample	RQ1904198-06	91	50
Duplicate Lab Control Sample	RQ1904198-07	74	50

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904198-03

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	33 U	33	1	05/08/19 15:32	5/7/19	
Aroclor 1221	67 U	67	1	05/08/19 15:32	5/7/19	
Aroclor 1232	33 U	33	1	05/08/19 15:32	5/7/19	
Aroclor 1242	33 U	33	1	05/08/19 15:32	5/7/19	
Aroclor 1248	33 U	33	1	05/08/19 15:32	5/7/19	
Aroclor 1254	33 U	33	1	05/08/19 15:32	5/7/19	
Aroclor 1260	33 U	33	1	05/08/19 15:32	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	55	22 - 128	05/08/19 15:32	
Tetrachloro-m-xylene	50	14 - 119	05/08/19 15:32	

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dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/08/19 15:52
Date Extracted: 05/07/19

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name: Lab Control Sample
Lab Code: RQ1904198-06
Analysis Method: 8082A
Prep Method: EPA 3541

Instrument ID:R-GC-58
File ID:I:\ACQUADATA\6890G\Data\050819\BH610.D\
Analysis Lot:634898
Extraction Lot:336082

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904198-03	I:\ACQUADATA\6890G\Data\050819\BH609.D\	05/08/19 15:32
Duplicate Lab Control Sample	RQ1904198-07	I:\ACQUADATA\6890G\Data\050819\BH611.D\	05/08/19 16:13
IDW-1	R1903955-001	I:\ACQUADATA\6890G\Data\050819\BH616.D\	05/08/19 17:55

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/08/19

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/Kg
Basis:Dry

Analyte Name	Analytical Method	Result	Lab Control Sample		Duplicate Lab Control Sample		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Aroclor 1016	8082A	109	171	64	117	165	71	41-127	6	30
Aroclor 1260	8082A	157	171	92	131	165	80	49-135	18	30

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ1904198-06

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	34	109	115	5		1	05/08/19 15:52
Aroclor 1260	34	157	157	<1		1	05/08/19 15:52

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1904198-07

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	33	117	129	10		1	05/08/19 16:13
Aroclor 1260	33	131	133	2		1	05/08/19 16:13

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955

SURROGATE RECOVERY SUMMARY
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
Extraction Method: Method

Sample Name	Lab Code	DCAA 12-131
IDW-1	R1903955-001	67
Method Blank	RQ1904325-01	59
Method Blank	RQ1904390-01	51
Lab Control Sample	RQ1904390-02	36
Duplicate Lab Control Sample	RQ1904390-03	44

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/14/19 13:16
Date Extracted: 05/10/19

Method Blank Summary
TCLP Chlorinated Herbicides by GC

Sample Name: Method Blank
Lab Code: RQ1904390-01
Analysis Method: 8151A
Prep Method: Method
Pre-Prep Method: EPA 1311

Instrument ID:R-GC-63
File ID:I:\ACQUADATA\7890N.net\data\051419\ae4115.D\
Analysis Lot:635444
Extraction Lot:336378

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
IDW-1	R1903955-001	I:\ACQUADATA\7890N.net\data\051419\ae4113.D	05/14/19 12:42
Lab Control Sample	RQ1904390-02	I:\ACQUADATA\7890N.net\data\051419\ae4116.D	05/14/19 13:32
Duplicate Lab Control Sample	RQ1904390-03	I:\ACQUADATA\7890N.net\data\051419\ae4117.D	05/14/19 13:49

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904325-01

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2,4-D	5.0 U	5.0	1	05/14/19 12:59	5/10/19	
2,4,5-TP (Silvex)	5.0 U	5.0	1	05/14/19 12:59	5/10/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	59	12 - 131	05/14/19 12:59	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904390-01

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2,4-D	0.50 U	0.50	1	05/14/19 13:16	5/10/19	
2,4,5-TP (Silvex)	0.50 U	0.50	1	05/14/19 13:16	5/10/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	51	12 - 131	05/14/19 13:16	

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dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/14/19 13:32
Date Extracted: 05/10/19

Lab Control Sample Summary
TCLP Chlorinated Herbicides by GC

Sample Name: Lab Control Sample
Lab Code: RQ1904390-02
Analysis Method: 8151A
Prep Method: Method
Pre-Prep Method: EPA 1311

Instrument ID:R-GC-63
File ID:I:\ACQUADATA\7890N.net\data\051419\ae4116.D\
Analysis Lot:635444
Extraction Lot:336378

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
IDW-1	R1903955-001	I:\ACQUADATA\7890N.net\data\051419\ae4113.D\	05/14/19 12:42
Method Blank	RQ1904325-01	I:\ACQUADATA\7890N.net\data\051419\ae4114.D\	05/14/19 12:59
Method Blank	RQ1904390-01	I:\ACQUADATA\7890N.net\data\051419\ae4115.D\	05/14/19 13:16
Duplicate Lab Control Sample	RQ1904390-03	I:\ACQUADATA\7890N.net\data\051419\ae4117.D\	05/14/19 13:49

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Analyzed: 05/14/19

Duplicate Lab Control Sample Summary
TCLP Chlorinated Herbicides by GC

Units:ug/L
Basis:As Received

Analyte Name	Analytical Method	Result	Lab Control Sample RQ1904390-02		Duplicate Lab Control Sample RQ1904390-03		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
2,4-D	8151A	1.53	2.50	61	1.63	2.50	65	26-154	7	30
2,4,5-TP (Silvex)	8151A	1.61	2.50	65	1.73	2.50	69	21-120	7	30

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil
Sample Name: Lab Control Sample
Lab Code: RQ1904390-02

Service Request: R1903955
Date Collected: NA
Date Received:

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-TP (Silvex)	0.50	1.61	1.71	6		1	05/14/19 13:32
2,4-D	0.50	1.53	1.56	2		1	05/14/19 13:32

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Confirmation Results

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
SRM Matrix: Soil
Sample Name: Duplicate Lab Control Sample
Lab Code: RQ1904390-03

Service Request: R1903955
Date Collected: NA
Date Received:

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analytical Method: 8151A
Prep Method: Method

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
2,4,5-TP (Silvex)	0.50	1.73	1.82	5		1	05/14/19 13:49
2,4-D	0.50	1.63	1.68	3		1	05/14/19 13:49



Metals

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METALS

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	990	99	1000	984	98	966	97	P
Barium	10000	10400	104	10000	10400	104	10100	101	P
Cadmium	500	502	100	500	501	100	491	98	P
Chromium	500	510	102	500	507	101	491	98	P
Lead	500	505	101	500	506	101	495	99	P
Selenium	500	487	97	500	493	99	485	97	P
Silver	500	496	99	500	496	99	490	98	P

Comments:

METALS

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	971	97			P
Barium				10000	10200	102			P
Cadmium				500	491	98			P
Chromium				500	498	100			P
Lead				500	499	100			P
Selenium				500	484	97			P
Silver				500	493	99			P

Comments:

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: IDW-1

AA CRDL Standard Source: ACCUSTANDARD

ICP CRDL Standard Source: _____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	21.40	107	20.60	103
Barium				200.0	216.70	108	210.30	105
Cadmium				10.0	10.00	100	9.90	99
Chromium				10.0	10.30	103	10.00	100
Lead				10.0	11.60	116	10.10	101
Selenium				10.0	12.00	120	11.00	110
Silver				10.0	10.00	100	9.90	99

Comments:

METALS

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BLANKS

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L		Continuing Calibration Blank ug/L						Preparation Blank		M
	C		1	C	2	C	3	C	C		
Arsenic	500.00	U	500.00	U	500.00	U	500.00	U	500.000	U	P
Barium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Cadmium	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Chromium	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Lead	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Selenium	500.00	U	500.00	U	500.00	U	500.00	U	500.000	U	P
Silver	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P

Comments:

METALS

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ICP INTERFERENCE CHECK SAMPLE

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

ICP ID Number: Agilent ICP ICS Source: PERKIN ELMER

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		100	-1.1	101	101	-1.2	99	99
Barium		500	2.4	528	106	1.0	514	103
Cadmium		1000	-0.9	972	97	-0.6	948	95
Chromium		500	0.7	501	100	0.7	487	97
Lead		50	-2.1	47	94	-1.8	47	94
Selenium		50	4.1	42	84	-3.4	50	100
Silver		200	0.1	213	106	0.1	210	105

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/K)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	1000	1010	101					
Barium	2000	2120	106					
Cadmium	500	516	103					
Chromium	500	517	103					
Lead	500	531	106					
Selenium	1000	1010	101					
Silver	250	255	102					

Comments: _____

METALS

-10-

DETECTION LIMITS

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

ICP ID Number: Agilent ICP Date: 3/4/2019

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	PQL ug/L	MDL ug/L	M
Arsenic	188.980		500.0	500.0	P
Barium	230.424		1000.0	1000.0	P
Cadmium	214.439		100.0	100.0	P
Chromium	267.716		100.0	100.0	P
Lead	220.353		100.0	100.0	P
Selenium	196.026		500.0	500.0	P
Silver	328.068		100.0	100.0	P

Comments: _____

**METALS
ICP LINEAR RANGES (QUARTERLY)
-12-**

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

ICP ID Number: Agilent ICP Date: 3/4/2019

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	1.000	4000	P
Barium	1.000	40000	P
Cadmium	1.000	2000	P
Chromium	1.000	10000	P
Lead	1.000	10000	P
Selenium	1.000	2000	P
Silver	1.000	2000	P

Comments: _____

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: IDW-1

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/10/2019 End Date: 5/10/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
BLANK	1.00	13:53				X	X		X	X				X						X	X					
STANDARD 1	1.00	13:56				X	X		X	X				X						X	X					
STANDARD 2	1.00	14:00				X	X		X	X				X						X	X					
STANDARD 3	1.00	14:03				X	X		X	X				X						X	X					
STANDARD 4	1.00	14:06				X	X		X	X				X						X	X					
STANDARD 5	1.00	14:10				X	X		X	X				X						X	X					
ICV1	1.00	14:14				X	X		X	X				X						X	X					
ICB1	1.00	14:17				X	X		X	X				X						X	X					
CRDL1	1.00	14:20				X	X		X	X				X						X	X					
ICS-A1	1.00	14:24				X	X		X	X				X						X	X					
ICS-AB1	1.00	14:27				X	X		X	X				X						X	X					
CCV1	1.00	14:30				X	X		X	X				X						X	X					
CCB1	1.00	14:34				X	X		X	X				X						X	X					
PBT	1.00	14:37				X	X		X	X				X						X	X					
ZZZZZZ	1.00	14:40																								
LCST	1.00	14:44				X	X		X	X				X						X	X					
ZZZZZZ	1.00	14:47																								
ZZZZZZ	1.00	14:50																								
ZZZZZZ	1.00	14:54																								
ZZZZZZ	1.00	14:57																								
ZZZZZZ	1.00	15:00																								
ZZZZZZ	1.00	15:04																								
ZZZZZZ	5.00	15:07																								
IDW-1	1.00	15:10				X	X		X	X				X						X	X					
CCV2	1.00	15:14				X	X		X	X				X						X	X					
CCB2	1.00	15:17				X	X		X	X				X						X	X					
CRDL2	1.00	15:20				X	X		X	X				X						X	X					
ICS-A2	1.00	15:23				X	X		X	X				X						X	X					
ICS-AB2	1.00	15:27				X	X		X	X				X						X	X					
ZZZZZZ	1.00	15:30																								
ZZZZZZ	1.00	15:33																								
ZZZZZZ	1.00	15:37																								
CCV3	1.00	15:40				X	X		X	X				X						X	X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

-14-

ANALYSIS RUN LOG

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: IDW-1

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/10/2019 End Date: 5/10/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
CCB3	1.00	15:43				X	X		X	X				X					X	X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14



Raw Data

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	05/13/19 14:44	
1,2-Dichloroethane	50 U	50	10	05/13/19 14:44	
2-Butanone (MEK)	100 U	100	10	05/13/19 14:44	
Benzene	50 U	50	10	05/13/19 14:44	
Carbon Tetrachloride	50 U	50	10	05/13/19 14:44	
Chlorobenzene	50 U	50	10	05/13/19 14:44	
Chloroform	50 U	50	10	05/13/19 14:44	
Tetrachloroethene (PCE)	50 U	50	10	05/13/19 14:44	
Trichloroethene (TCE)	50 U	50	10	05/13/19 14:44	
Vinyl Chloride	50 U	50	10	05/13/19 14:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/13/19 14:44	
Dibromofluoromethane	97	89 - 119	05/13/19 14:44	
Toluene-d8	101	87 - 121	05/13/19 14:44	

Data Path : I:\ACQUDATA\msvoal2\Data\051319\
 Data File : P26696.D
 Acq On : 13 May 2019 2:44 pm
 Operator : K.Ruest
 Sample : R1903955-001|10 Inst : MSVOA-12
 Misc : DAY TCLP T2
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 17:42:21 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

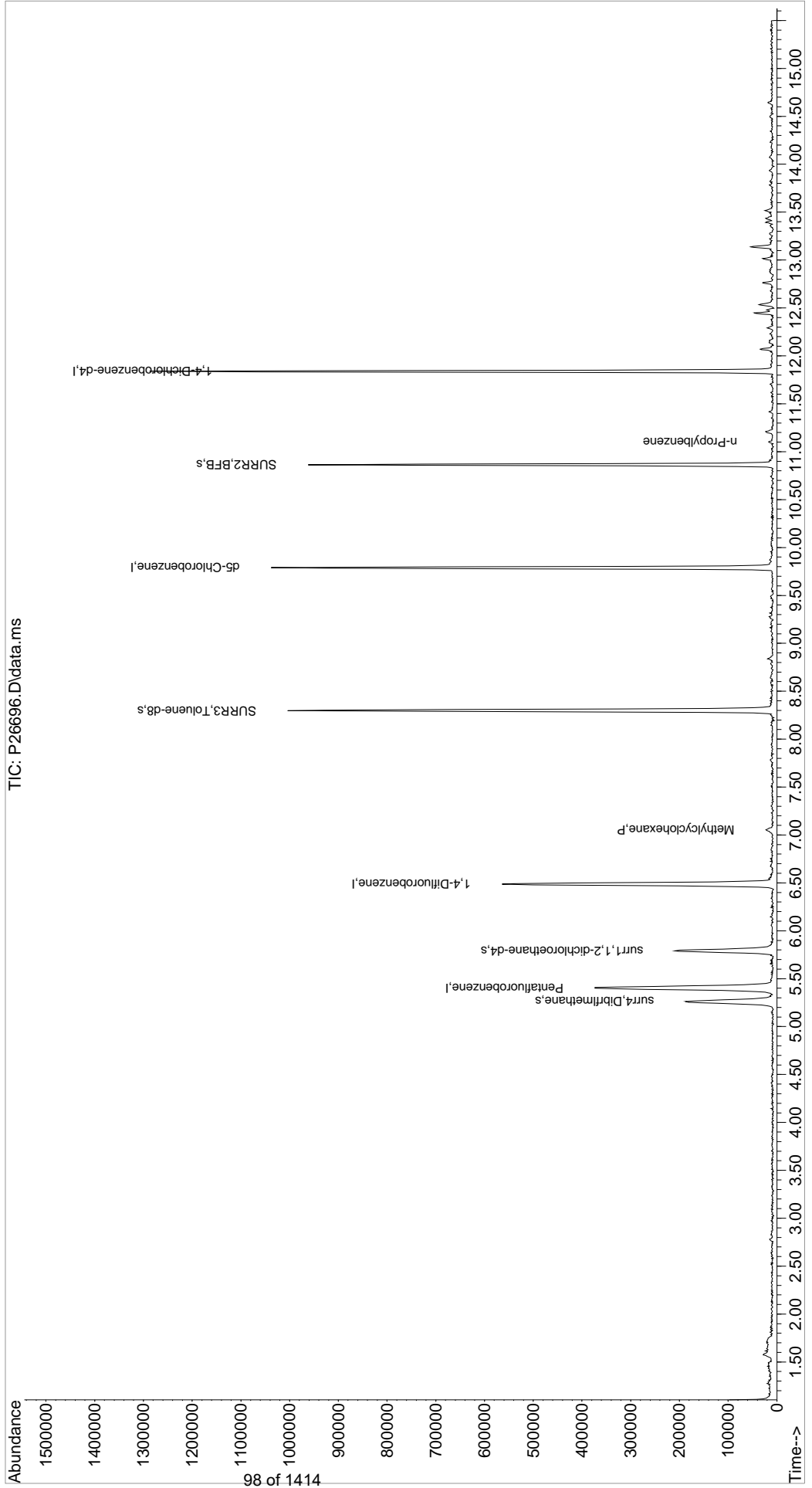
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	373566	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.487	114	532524	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	481521	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	273517	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	148628	48.54	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	97.08%	
48) surr1,1,2-dichloroetha...	5.792	65	177253	53.07	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.14%	
65) SURR3,Toluene-d8	8.297	98	642953	50.58	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.16%	
70) SURR2,BFB	10.864	95	238786	48.07	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	96.14%	
Target Compounds						Qvalue
55) Methylcyclohexane	7.053	55	4199	1.05	ppb	86
95) n-Propylbenzene	11.102	91	4095	0.22	ppb	74

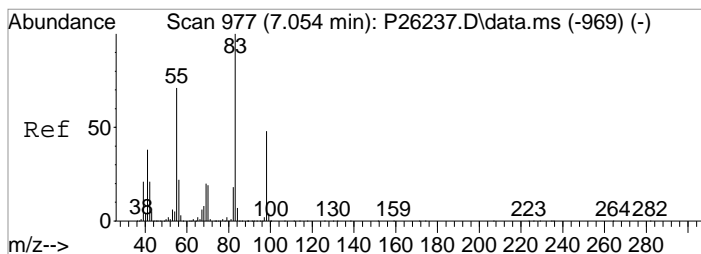
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\051319\
Data File : P26696.D
Acq On : 13 May 2019 2:44 pm
Operator : K.Ruest
Sample : R1903955-001|10
Misc : DAY TCLP T2
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

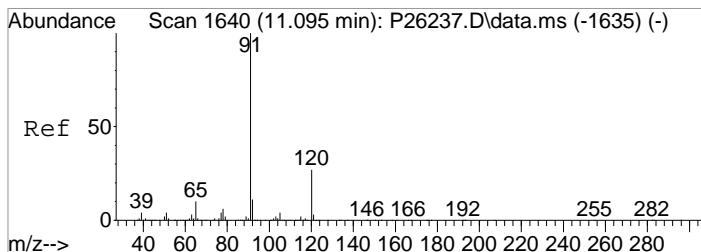
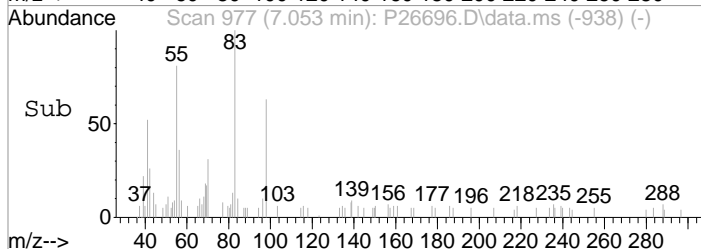
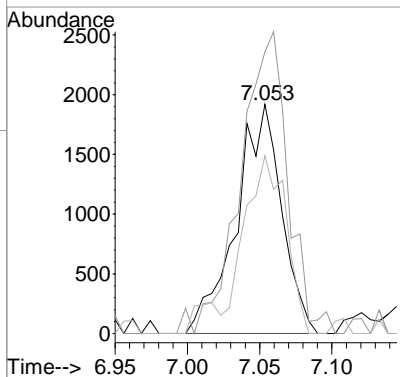
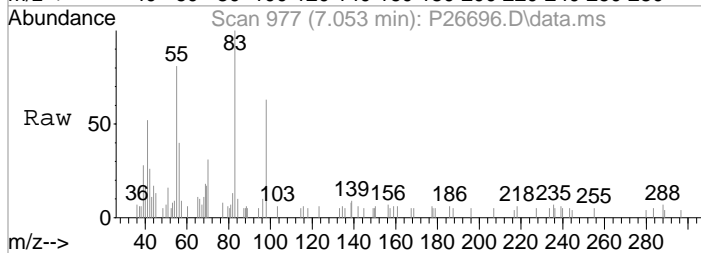
Quant Time: May 13 17:42:21 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





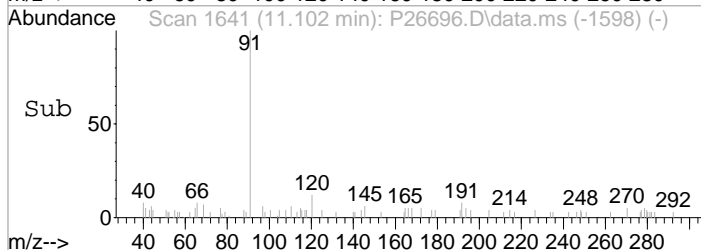
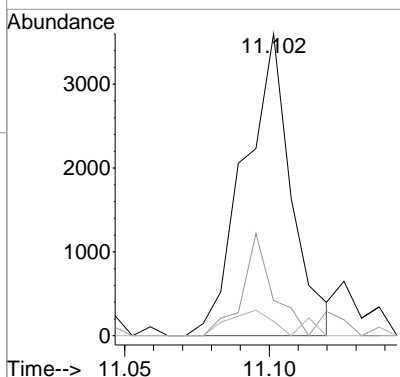
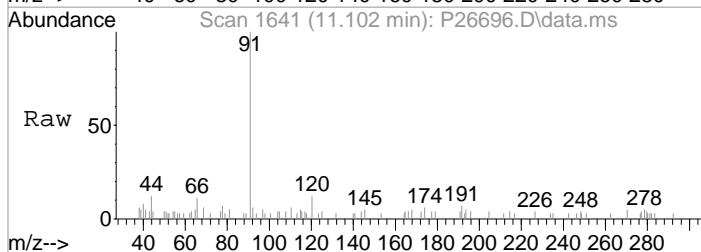
#55
 Methylcyclohexane
 Concen: 1.05 ppb
 RT: 7.053 min Scan# 977
 Delta R.T. 0.000 min
 Lab File: P26696.D
 Acq: 13 May 2019 2:44 pm

Tgt Ion	Resp	Lower	Upper
55	100		
83	122.9	120.3	160.3
98	77.6	47.5	87.5



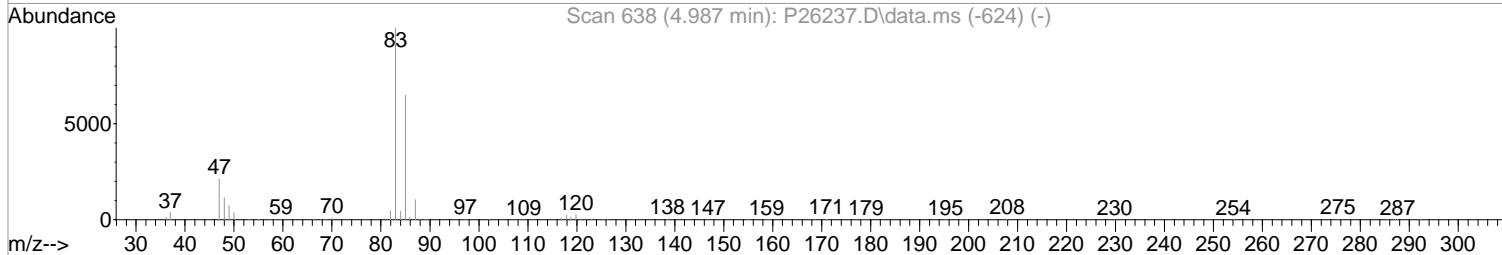
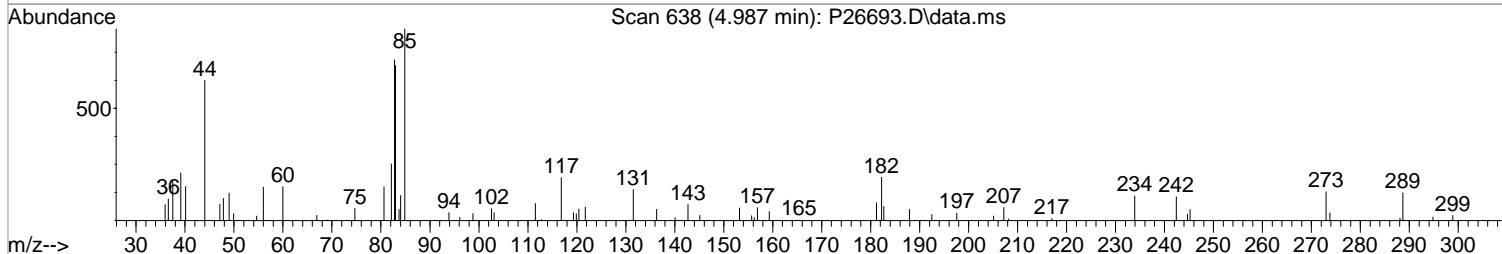
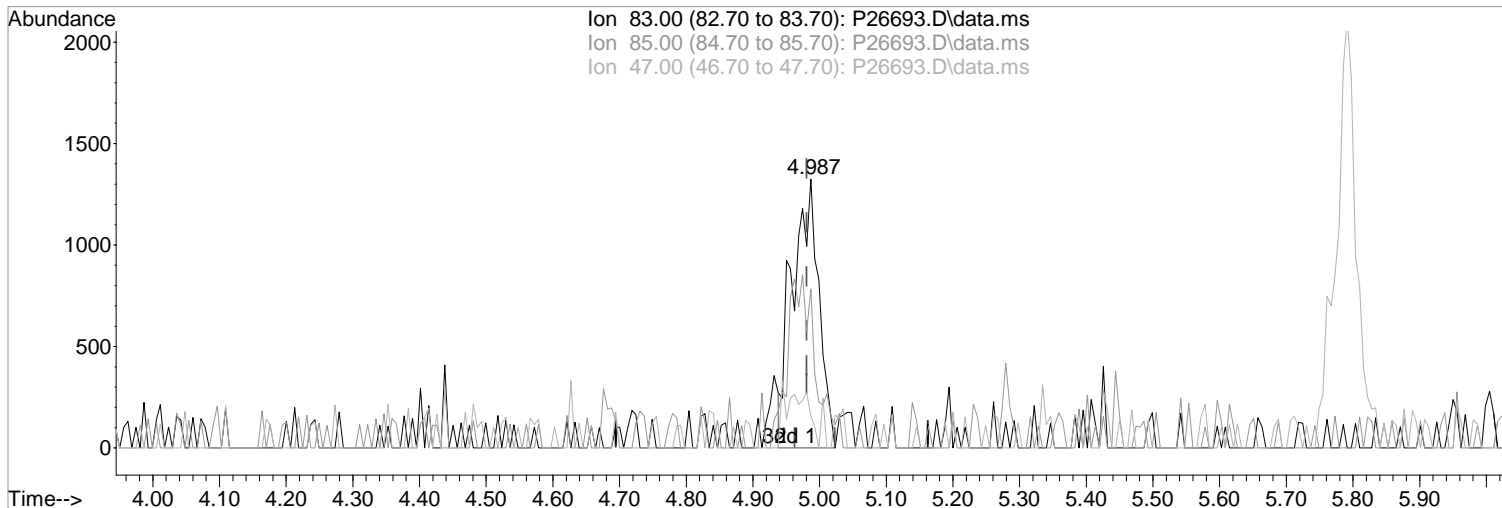
#95
 n-Propylbenzene
 Concen: 0.22 ppb
 RT: 11.102 min Scan# 1641
 Delta R.T. 0.000 min
 Lab File: P26696.D
 Acq: 13 May 2019 2:44 pm

Tgt Ion	Resp	Lower	Upper
91	100		
120	11.7	6.9	46.9
65	15.6	0.0	29.8



Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26693.D
Acq On : 13 May 2019 1:38 pm
Operator : K.Ruest
Sample : RQ1904326-01|1.0 Inst : MSVOA-12
Misc : TCLPBLK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:02:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26693.D\data.ms

(40) Chloroform (P)

4.987min (+0.006) 0.60 ppb m
response 3645

Manual Integration:

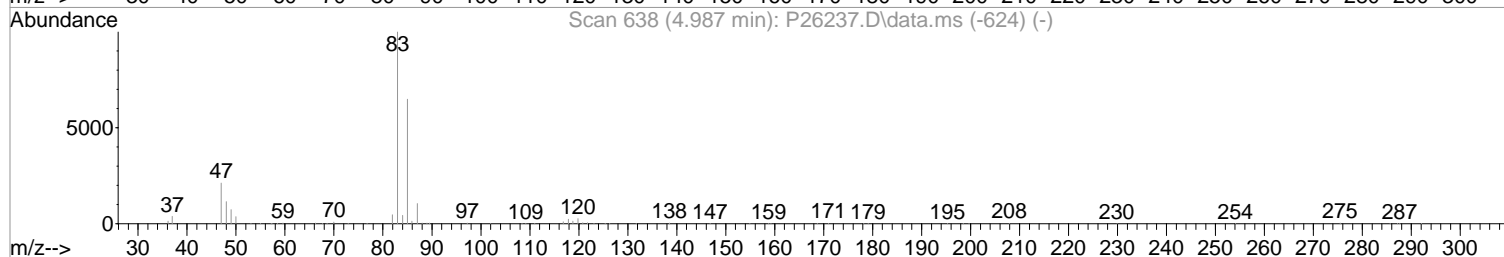
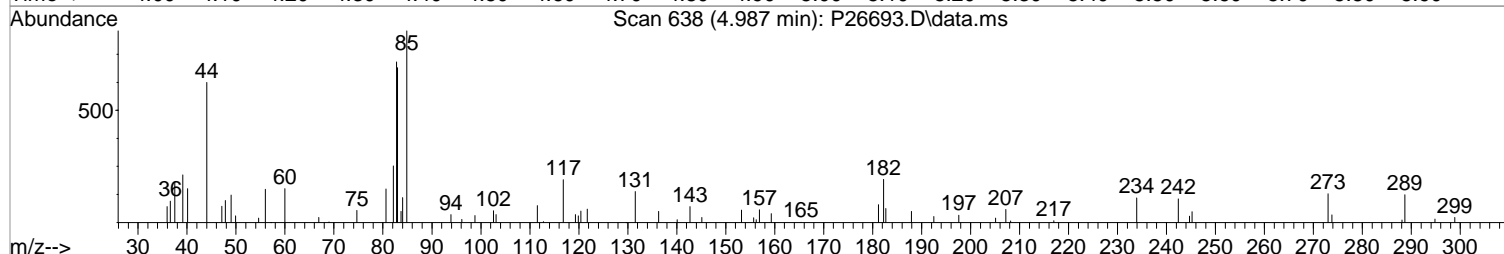
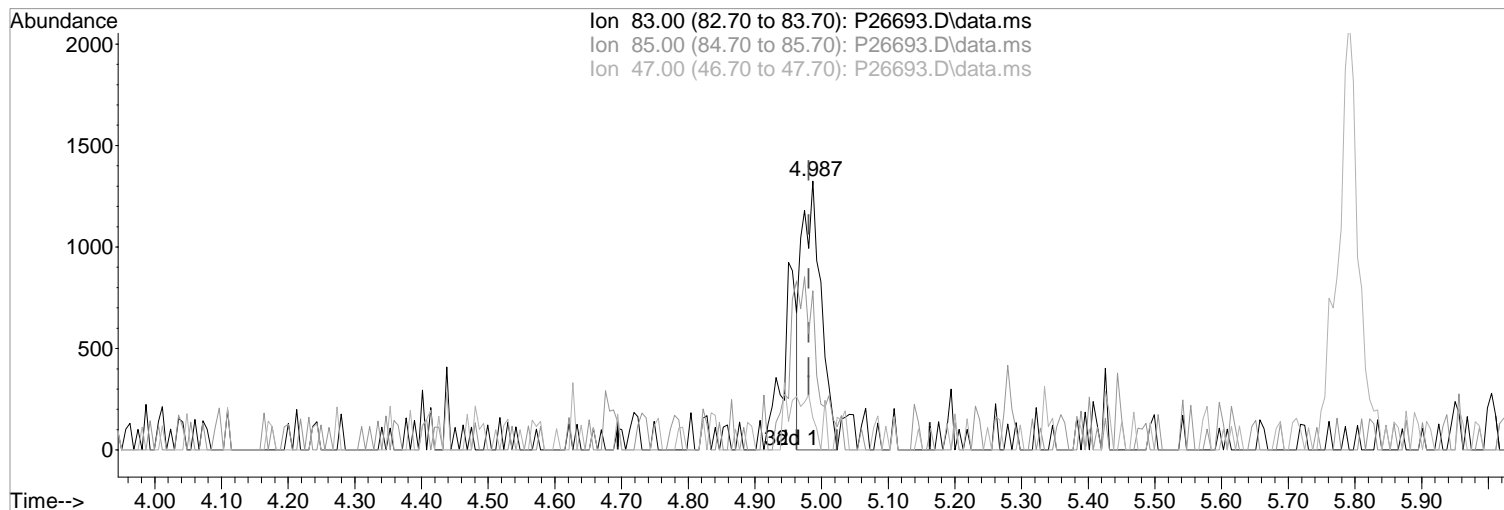
After
Split Peak

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	116.49#
47.00	21.20	23.48
0.00	0.00	0.00

05/13/19

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26693.D
Acq On : 13 May 2019 1:38 pm
Operator : K.Ruest
Sample : RQ1904326-01|1.0 Inst : MSVOA-12
Misc : TCLPBLK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 14:02:51 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26693.D\data.ms

(40) Chloroform (P)

Manual Integration:

4.987min (+0.006) 0.44 ppb

Before

response 2647

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	53.52
47.00	21.20	10.78
0.00	0.00	0.00

05/13/19

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26693.D
 Acq On : 13 May 2019 1:38 pm
 Operator : K.Ruest
 Sample : RQ1904326-01|1.0 Inst : MSVOA-12
 Misc : TCLPBLK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 17:34:15 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

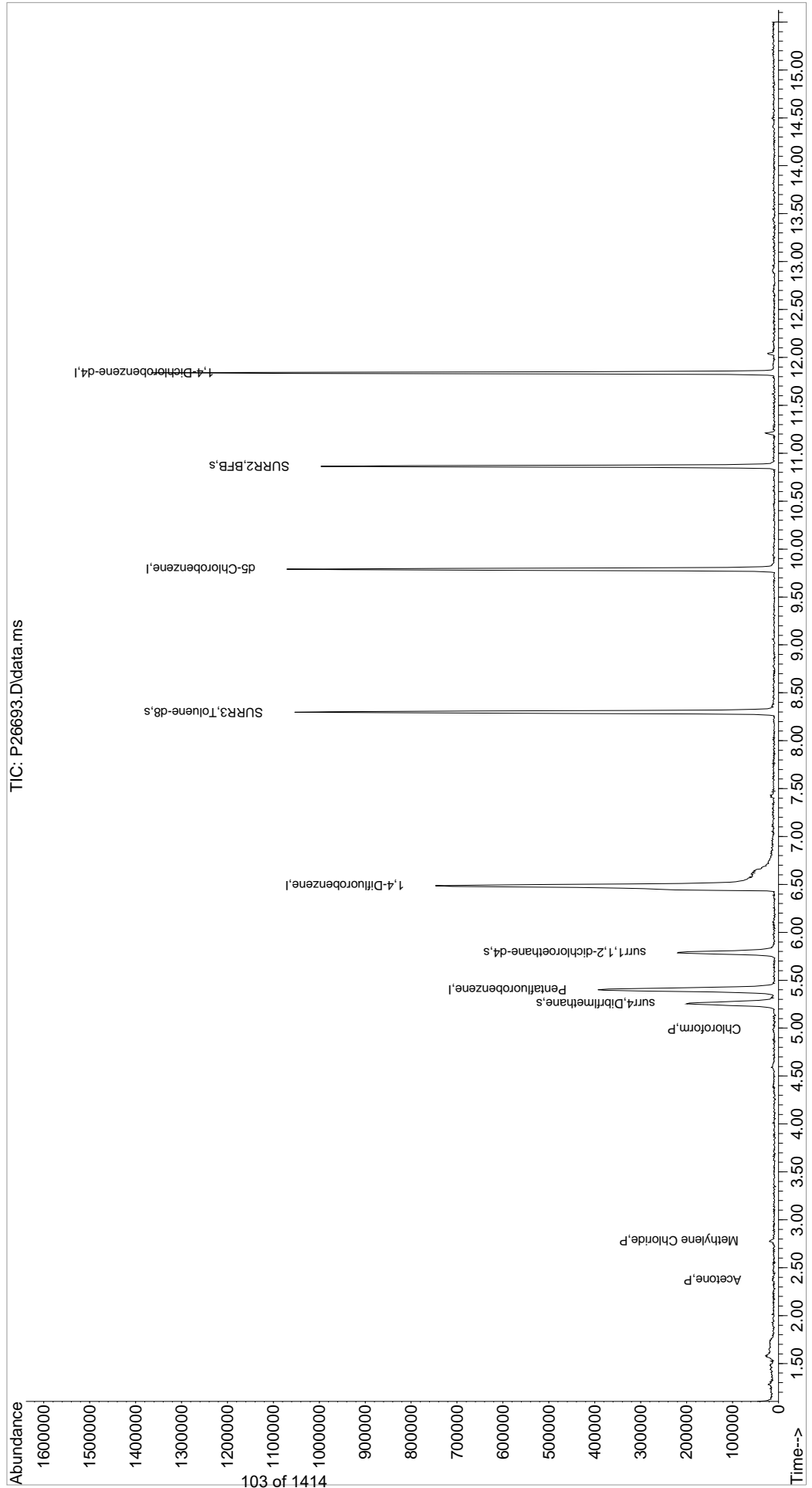
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.401	168	382906	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.486	114	556011	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	510875	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	284422	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.255	113	156768	49.04	ppb	-0.01
Spiked Amount	50.000	Range 89 - 119	Recovery	=	98.08%	
48) surr1,1,2-dichloroetha...	5.785	65	186057	53.35	ppb	-0.01
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.70%	
65) SURR3,Toluene-d8	8.297	98	684362	51.57	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	103.14%	
70) SURR2,BFB	10.864	95	251312	48.46	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	96.92%	
Target Compounds						
15) Acetone	2.371	43	4075	1.19	ppb	72
22) Methylene Chloride	2.780	84	3430	0.81	ppb	94
40) Chloroform	4.987	83	3645m	0.60	ppb	

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

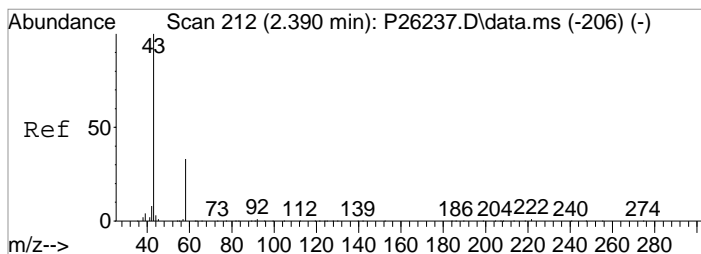
Data Path : I:\ACQDATA\msvoa12\Data\051319\
 Data File : P26693.D
 Acq On : 13 May 2019 1:38 pm
 Operator : K.Ruest
 Sample : RQ1904326-01|1.0
 Misc : TCLPBLK
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 17:34:15 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

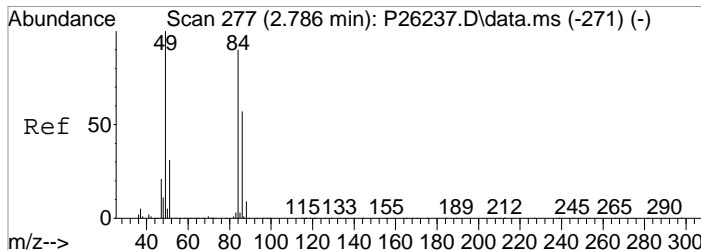
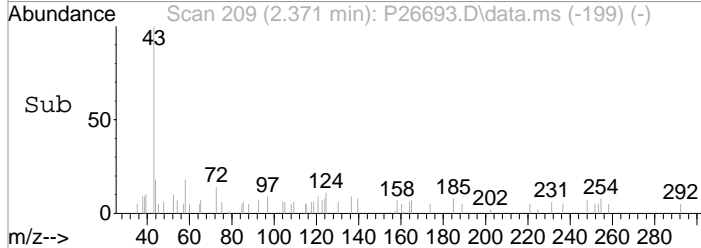
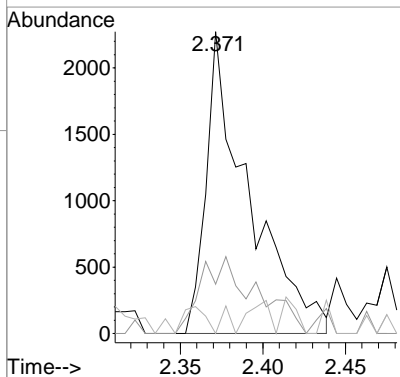
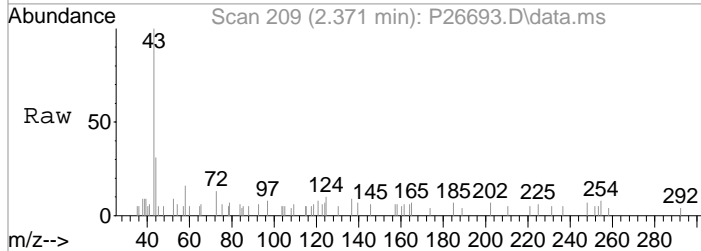


103 of 1414



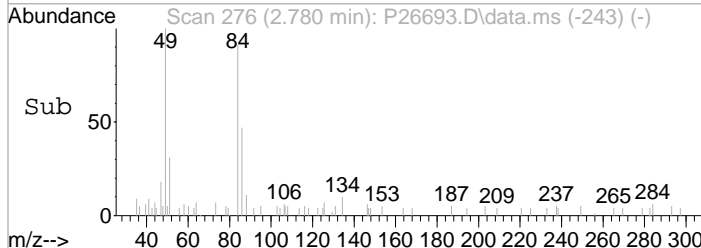
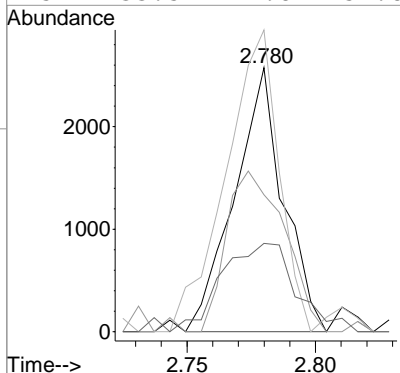
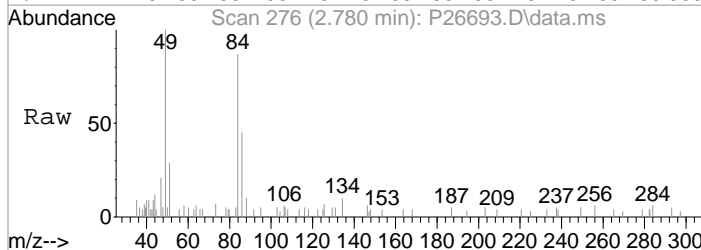
#15
 Acetone
 Concen: 1.19 ppb
 RT: 2.371 min Scan# 209
 Delta R.T. -0.012 min
 Lab File: P26693.D
 Acq: 13 May 2019 1:38 pm

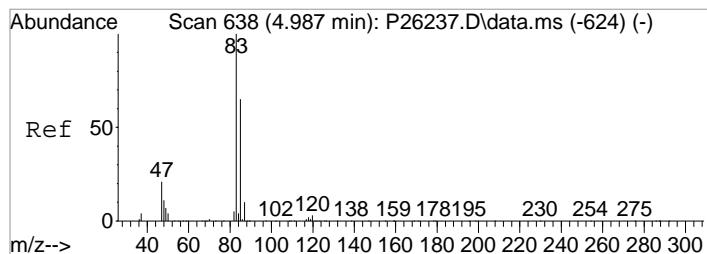
Tgt Ion	Resp	Lower	Upper
43	4075		
58	16.4	13.1	53.1
42	0.0	0.0	28.3



#22
 Methylene Chloride
 Concen: 0.81 ppb
 RT: 2.780 min Scan# 276
 Delta R.T. 0.001 min
 Lab File: P26693.D
 Acq: 13 May 2019 1:38 pm

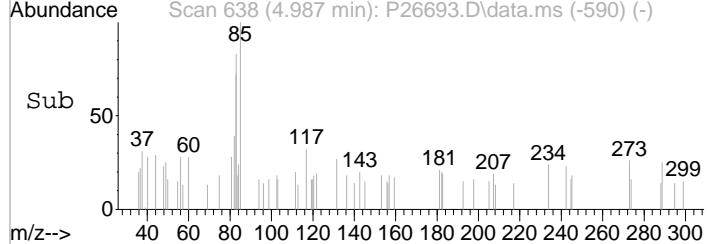
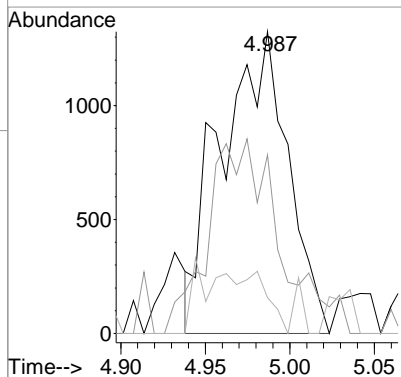
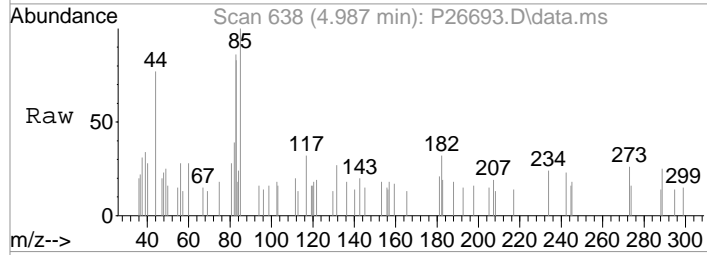
Tgt Ion	Resp	Lower	Upper
84	3430		
86	51.9	43.3	83.3
49	114.4	92.0	132.0
51	33.5	14.8	54.8





#40
 Chloroform
 Concen: 0.60 ppb m
 RT: 4.987 min Scan# 638
 Delta R.T. 0.006 min
 Lab File: P26693.D
 Acq: 13 May 2019 1:38 pm

Tgt Ion	Resp	Lower	Upper
83	100		
85	116.5	44.8	84.8#
47	23.5	1.2	41.2



Data Path : I:\ACQUDATA\msvoal2\Data\051319\
 Data File : P26692.D
 Acq On : 13 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : VBLK Inst : MSVOA-12
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 16:23:59 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

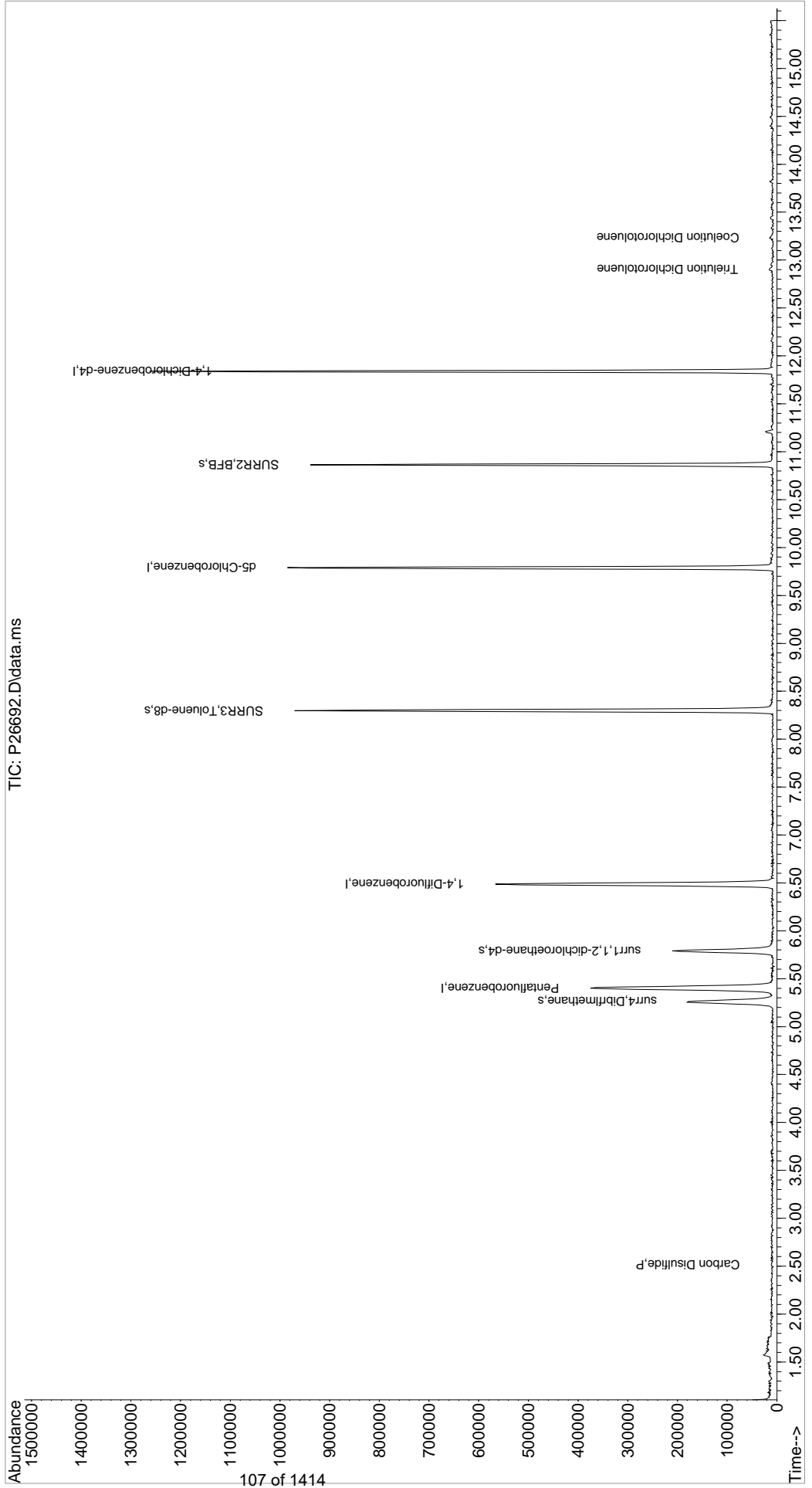
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.402	168	371908	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.487	114	528355	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	475537	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	266061	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.261	113	144028	47.41	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	94.82%	
48) surr1,1,2-dichloroetha...	5.792	65	169840	51.25	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	102.50%	
65) SURR3,Toluene-d8	8.297	98	622193	49.34	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	98.68%	
70) SURR2,BFB	10.864	95	230209	46.71	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	93.42%	
Target Compounds						
15) Acetone	2.378	43	530	Below Cal	#	36
18) Carbon Disulfide	2.518	76	1500	0.20	ppb	78
112) Trielution Dichlorotol...	12.906	125	2874	0.38	ppb	92
114) Coelution Dichlorotoluene	13.235	125	1813	0.22	ppb	# 91

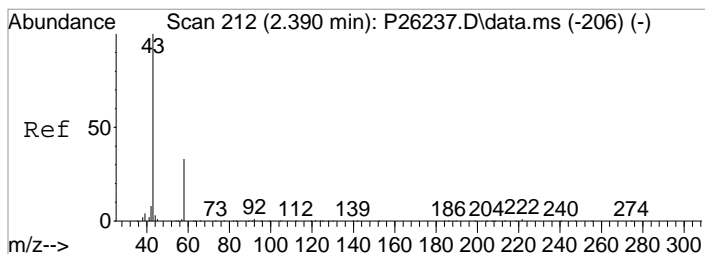
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa12\Data\051319\
Data File : P26692.D
Acq On : 13 May 2019 1:08 pm
Operator : K.Ruest
Sample : VBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

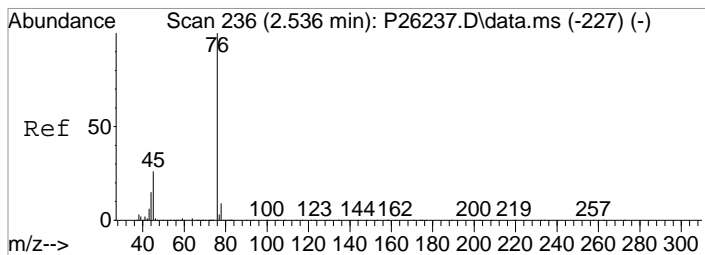
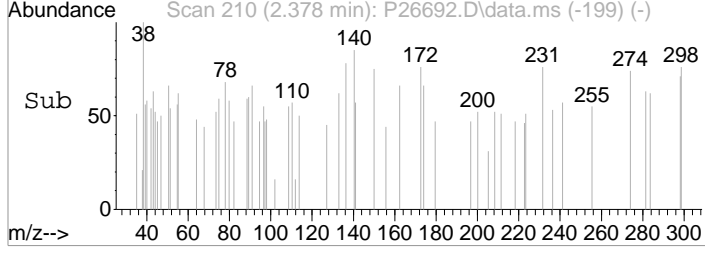
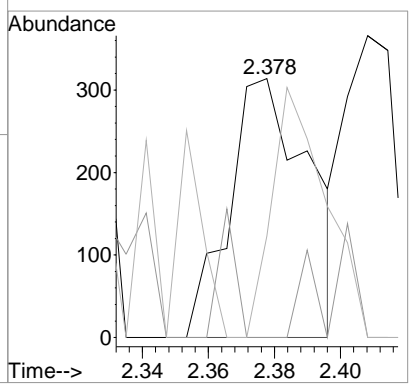
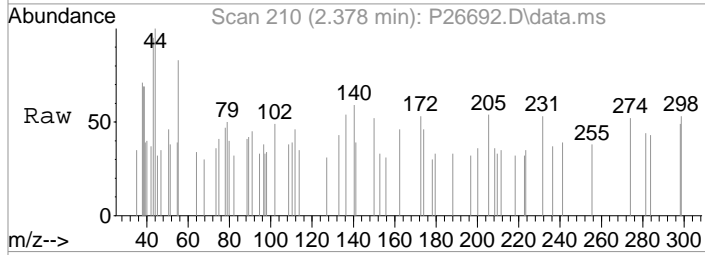
Quant Time: May 13 16:23:59 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration





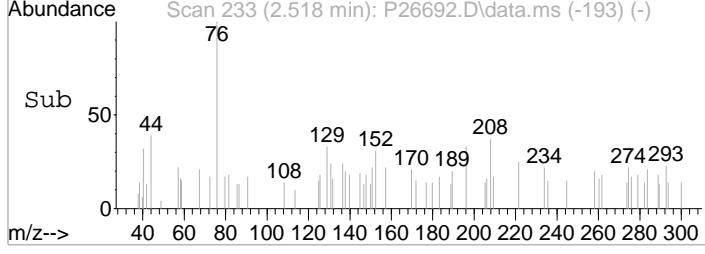
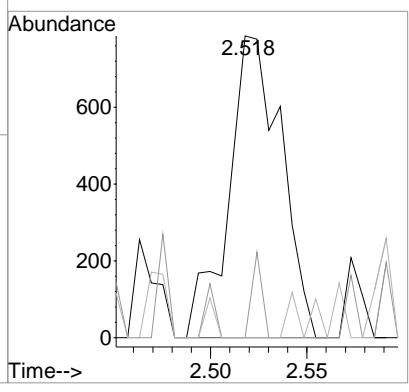
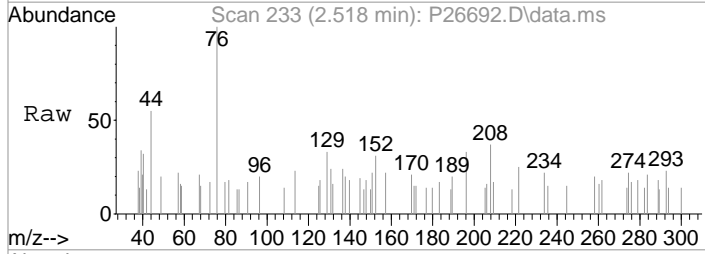
#15
 Acetone
 Concen: Below Cal
 RT: 2.378 min Scan# 210
 Delta R.T. -0.005 min
 Lab File: P26692.D
 Acq: 13 May 2019 1:08 pm

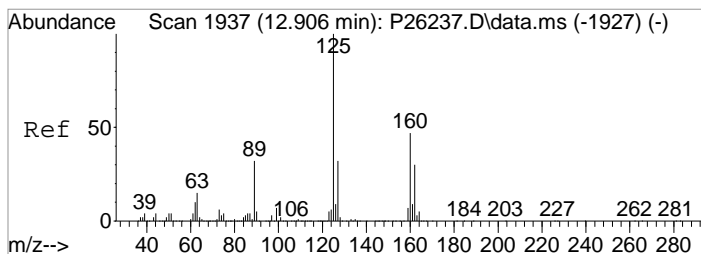
Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	13.1	53.1#
42	39.2	0.0	28.3#



#18
 Carbon Disulfide
 Concen: 0.20 ppb
 RT: 2.518 min Scan# 233
 Delta R.T. -0.012 min
 Lab File: P26692.D
 Acq: 13 May 2019 1:08 pm

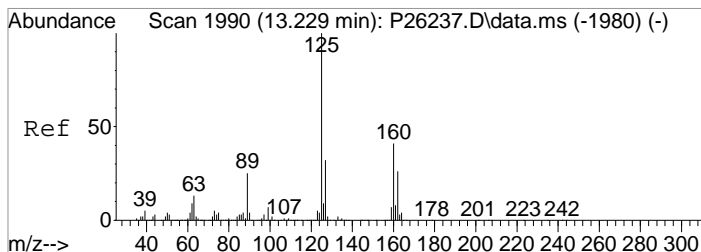
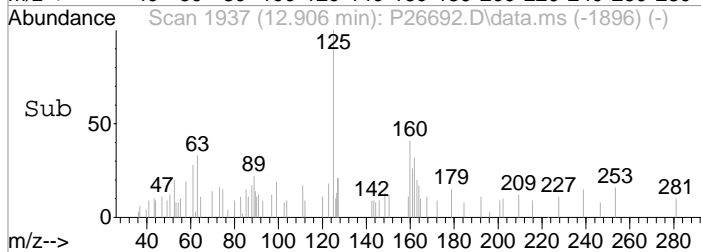
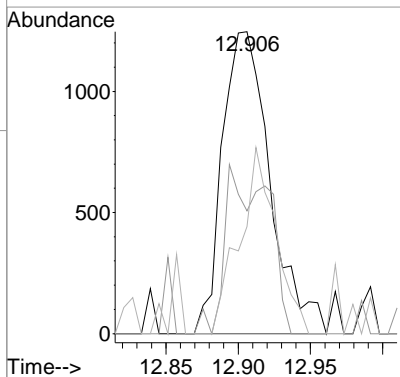
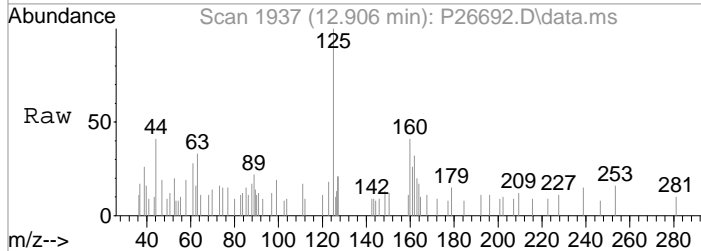
Tgt Ion	Resp	Lower	Upper
76	100		
78	0.0	0.0	29.3
77	0.0	0.0	22.9





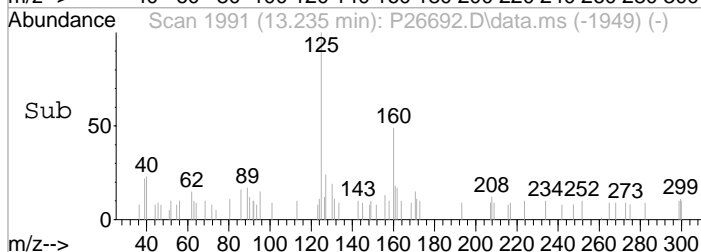
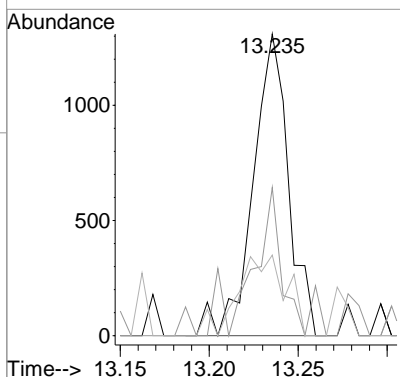
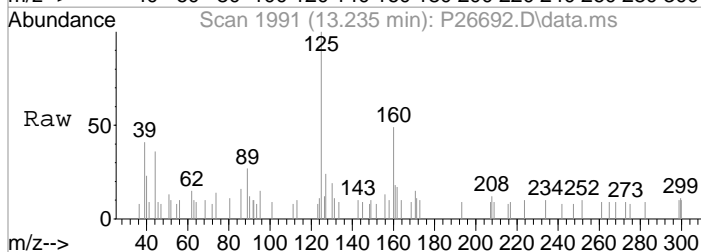
#112
 Trielution Dichlorotoluene
 Concen: 0.38 ppb
 RT: 12.906 min Scan# 1937
 Delta R.T. 0.000 min
 Lab File: P26692.D
 Acq: 13 May 2019 1:08 pm

Tgt Ion	Resp	Lower	Upper
125	2874		
160	40.7	37.7	56.5
89	35.4	25.4	38.2



#114
 Coelution Dichlorotoluene
 Concen: 0.22 ppb
 RT: 13.235 min Scan# 1991
 Delta R.T. 0.006 min
 Lab File: P26692.D
 Acq: 13 May 2019 1:08 pm

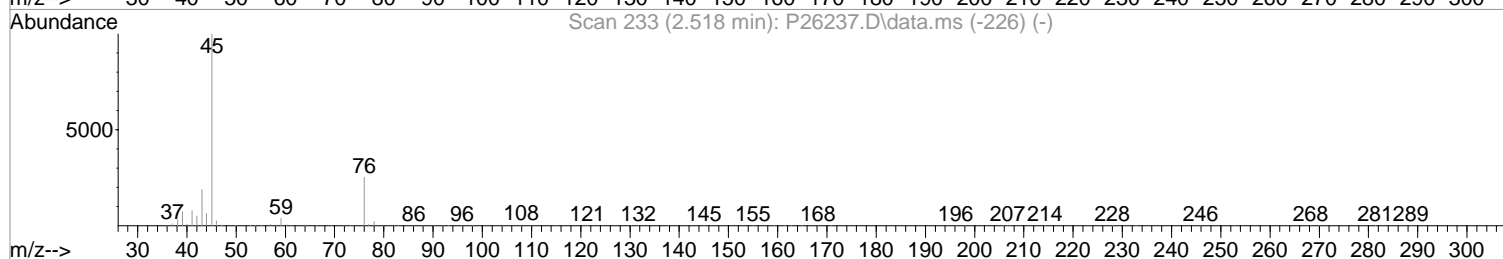
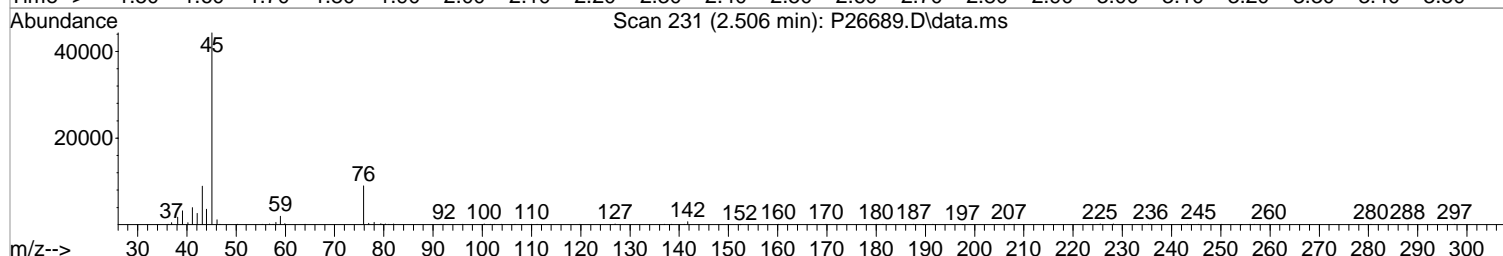
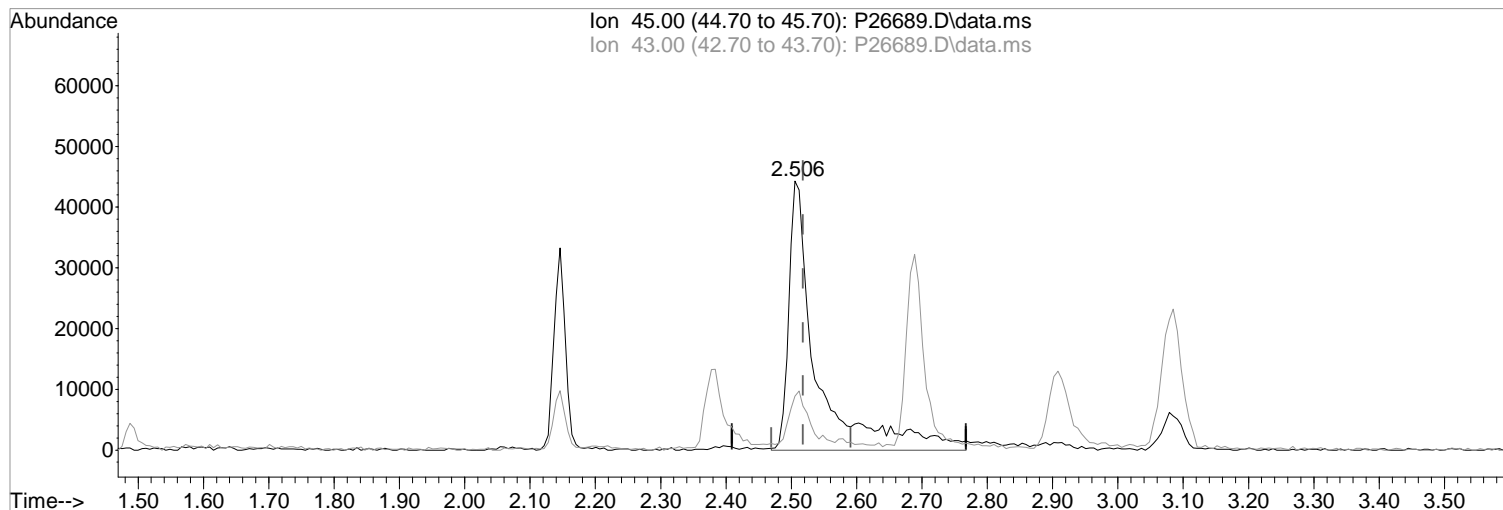
Tgt Ion	Resp	Lower	Upper
125	1813		
160	49.1	32.6	48.8#
89	26.7	20.4	30.6



Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26689.D
Acq On : 13 May 2019 11:49 am
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:05:33 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26689.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 273.63 ppb m
response 133360

Manual Integration:

After

Poor integration.

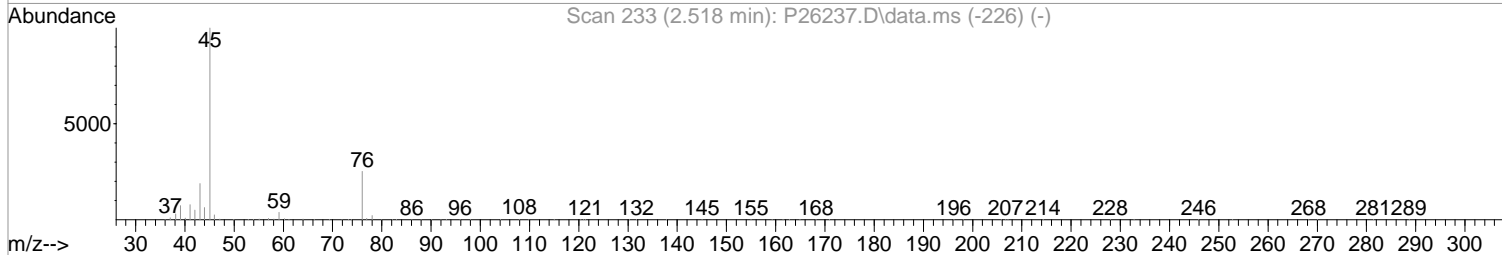
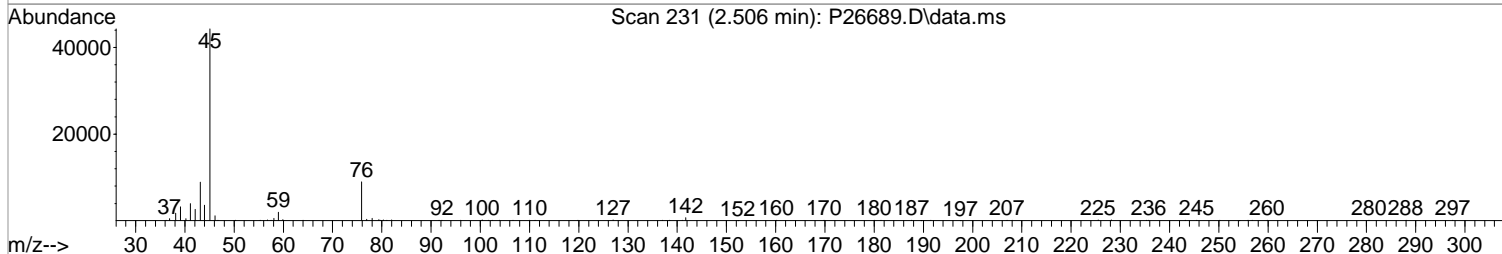
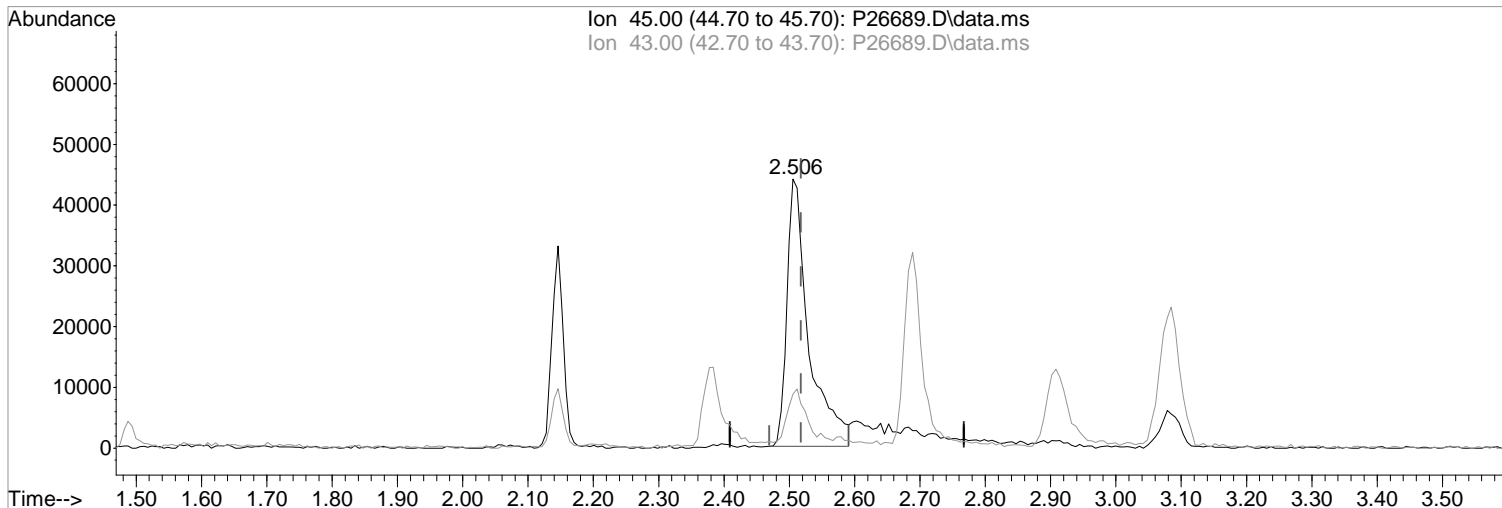
05/13/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.06
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26689.D
Acq On : 13 May 2019 11:49 am
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:05:33 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26689.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 209.62 ppb
response 102161

Manual Integration:
Before

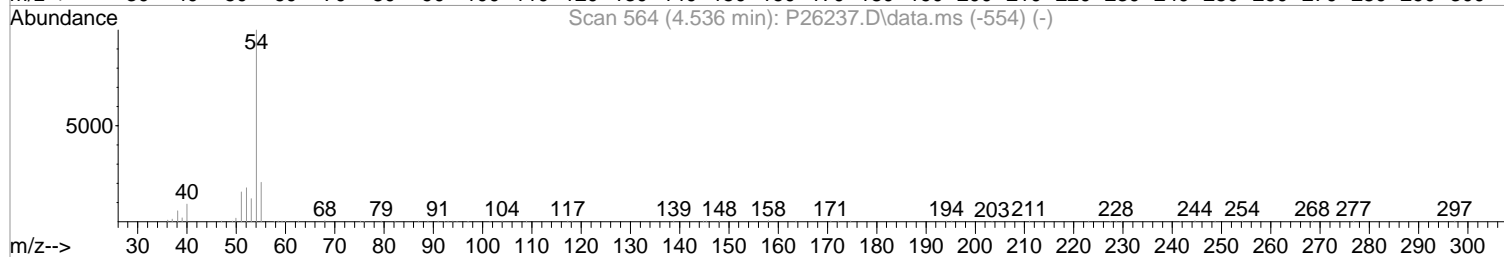
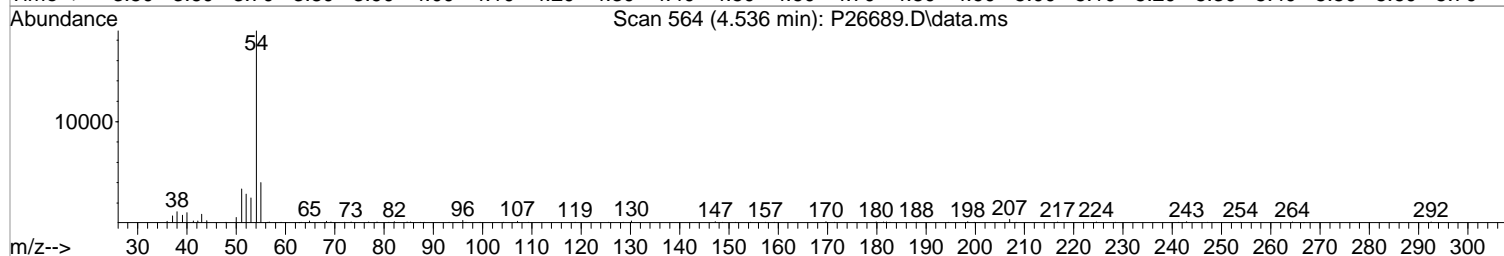
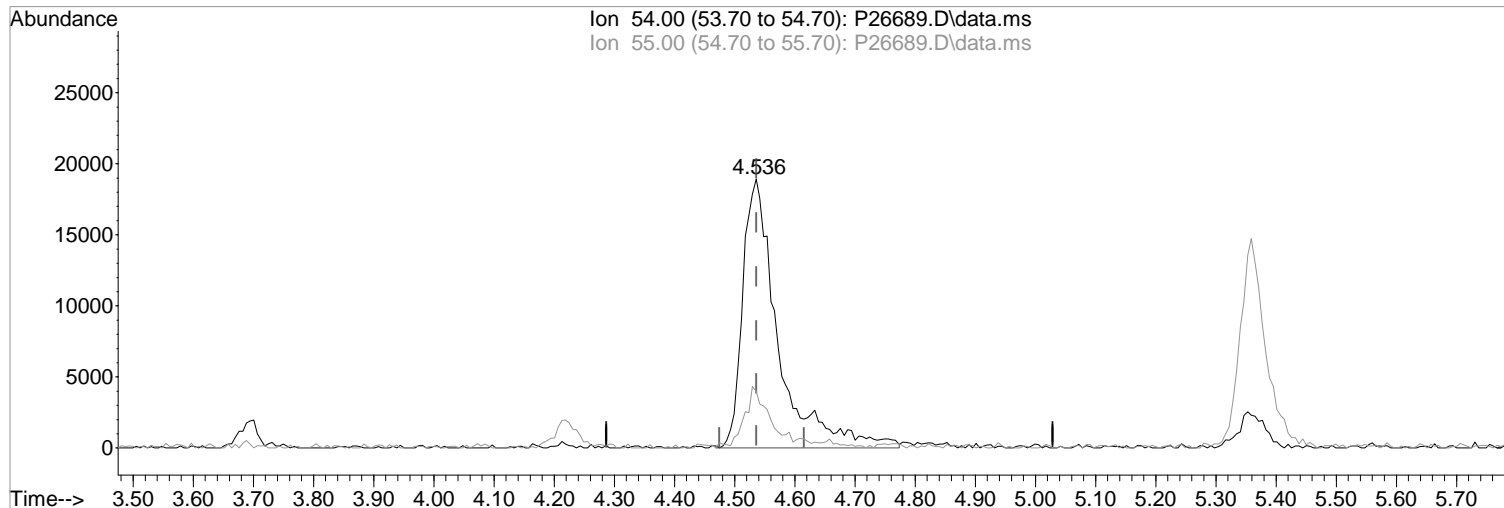
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.06
0.00	0.00	0.00
0.00	0.00	0.00

05/13/19

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26689.D
Acq On : 13 May 2019 11:49 am
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:05:33 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26689.D\data.ms

(36) Propionitrile
4.536min (+0.000) 86.26 ppb m
response 78023

Manual Integration:

After

Poor integration.

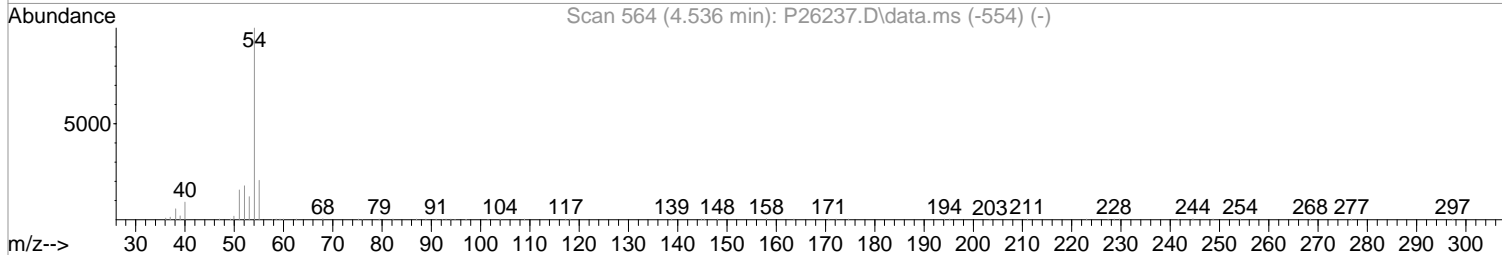
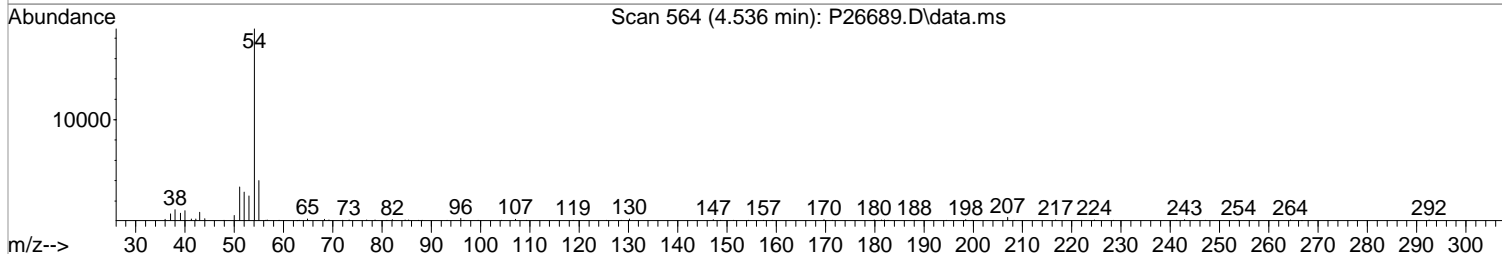
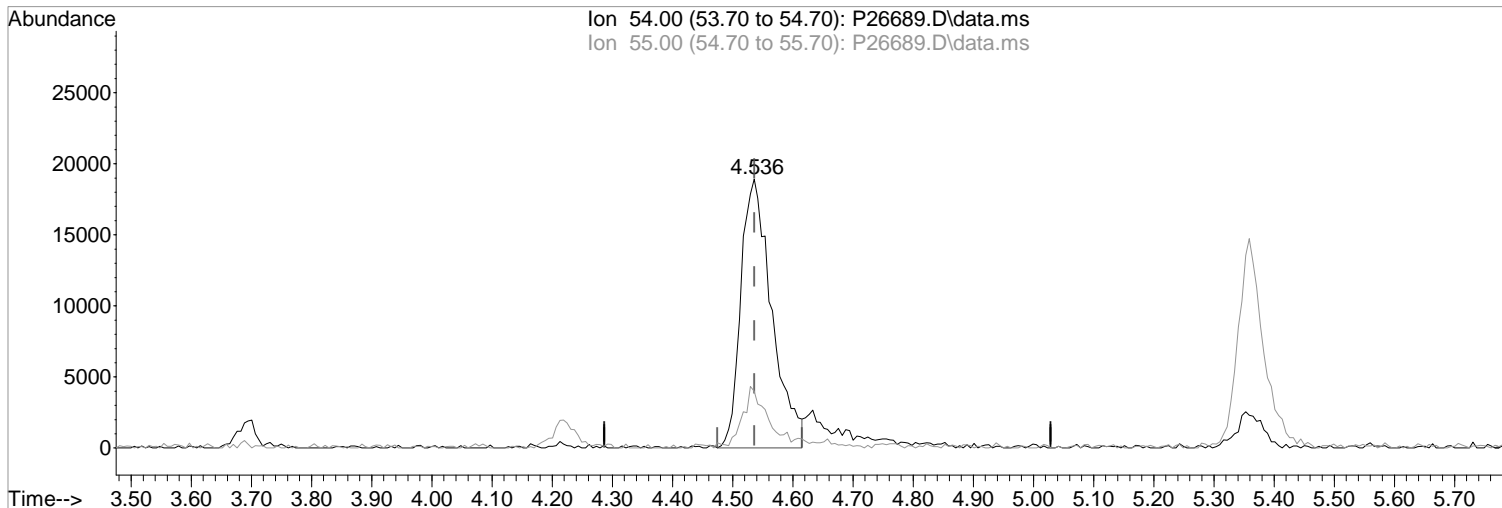
05/13/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	21.15
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26689.D
Acq On : 13 May 2019 11:49 am
Operator : K.Ruest
Sample : LCS-ACID
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:05:33 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26689.D\data.ms

(36) Propionitrile
4.536min (+0.000) 74.73 ppb
response 67594

Manual Integration:
Before

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	21.15
0.00	0.00	0.00
0.00	0.00	0.00

05/13/19

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26689.D
 Acq On : 13 May 2019 11:49 am
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:07:06 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.407	168	458406	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.487	114	625215	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	563808	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	331140	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.261	113	172672	48.04	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	96.08%			
48) surr1,1,2-dichloroetha...	5.792	65	192547	49.10	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	98.20%			
65) SURR3,Toluene-d8	8.297	98	715363	47.94	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	95.88%			
70) SURR2,BFB	10.864	95	274831	47.13	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	94.26%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.213	85	70001	16.36	ppb		100
3) Chloromethane	1.335	50	68337	17.52	ppb		95
4) Vinyl Chloride	1.408	62	83939	17.62	ppb		100
5) Bromomethane	1.646	94	67419	14.19	ppb		100
6) Chloroethane	1.719	64	53657	14.14	ppb		95
7) Freon 21	1.865	67	105093	15.35	ppb		98
8) Trichlorofluoromethane	1.914	101	113136	18.88	ppb		95
9) Diethyl Ether	2.146	59	60247	17.35	ppb		98
10) Freon 123a	2.146	67	64918	15.61	ppb		93
11) Freon 123	2.201	83	86831	17.46	ppb		95
12) Acrolein	2.250	56	34166	41.42	ppb		96
13) 1,1-Dicethene	2.335	96	66446	17.55	ppb		97
14) Freon 113	2.341	101	65086	19.29	ppb		80
15) Acetone	2.384	43	27106	13.04	ppb		88
16) 2-Propanol	2.506	45	133360m	273.63	ppb		
17) Iodomethane	2.463	142	69342	17.86	ppb		97
18) Carbon Disulfide	2.524	76	181521	19.77	ppb		99
19) Acetonitrile	2.628	40	17658	53.68	ppb		90
20) Allyl Chloride	2.664	76	37485	21.45	ppb		94
21) Methyl Acetate	2.688	43	57834	15.16	ppb		97
22) Methylene Chloride	2.780	84	76770	18.87	ppb		96
23) TBA	2.908	59	238475	273.70	ppb		96
24) Acrylonitrile	3.036	53	179743	92.29	ppb		99
25) Methyl-t-Butyl Ether	3.085	73	250994	18.13	ppb		97
26) trans-1,2-Dichloroethene	3.073	96	76126	18.35	ppb		95
28) 1,1-Dicethane	3.566	63	125945	18.43	ppb		98
29) Vinyl Acetate	3.658	86	21522	20.84	ppb		97
30) DIPE	3.694	45	201938	18.87	ppb		95
31) 2-Chloro-1,3-Butadiene	3.694	53	93060	18.17	ppb		93
32) ETBE	4.225	59	201444	17.42	ppb		96
33) 2,2-Dichloropropane	4.395	77	115582	18.45	ppb		97
34) cis-1,2-Dichloroethene	4.402	96	88305	18.20	ppb		98
35) 2-Butanone	4.450	43	39460	15.65	ppb		99
36) Propionitrile	4.536	54	78023m	86.26	ppb		
37) Bromochloromethane	4.798	130	62740	18.96	ppb		95
38) Methacrylonitrile	4.792	67	41987	18.36	ppb		99
39) Tetrahydrofuran	4.889	42	30223	17.68	ppb		91
40) Chloroform	4.975	83	130670	18.02	ppb		97
41) 1,1,1-Trichloroethane	5.267	97	113559	16.80	ppb		99

Data Path : I:\ACQUDATA\msvoal2\Data\051319\
 Data File : P26689.D
 Acq On : 13 May 2019 11:49 am
 Operator : K.Ruest
 Sample : LCS-ACID
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 12:07:06 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	222172	17.88	ppb	98
44) Cyclohexane	5.353	41	53806	17.14	ppb	94
46) Carbontetrachloride	5.548	117	97157	17.83	ppb	97
47) 1,1-Dichloropropene	5.560	75	95327	18.94	ppb	96
49) Benzene	5.871	78	296359	18.29	ppb	99
50) 1,2-Dichloroethane	5.907	62	105351	18.34	ppb	96
51) Iso-Butyl Alcohol	5.883	43	97582	276.28	ppb	85
52) n-Heptane	6.359	43	82030	19.04	ppb	95
53) 1-Butanol	6.840	56	164574	689.45	ppb	99
54) Trichloroethene	6.816	130	99755	19.81	ppb	97
55) Methylcyclohexane	7.053	55	80295	17.08	ppb	89
56) 1,2-Diclpropane	7.096	63	74307	19.09	ppb	96
57) Dibromomethane	7.236	93	49876	18.33	ppb	96
58) 1,4-Dioxane	7.297	88	30328	286.51	ppb	88
59) Methyl Methacrylate	7.322	69	66125	17.15	ppb	91
60) Bromodichloromethane	7.462	83	88754	16.46	ppb	97
61) 2-Nitropropane	7.736	41	44458	31.85	ppb	88
63) cis-1,3-Dichloropropene	7.998	75	119344	17.15	ppb	98
64) 4-Methyl-2-pentanone	8.206	43	84655	17.48	ppb	94
66) Toluene	8.370	91	339887	18.55	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	108376	17.58	ppb	94
68) Ethyl Methacrylate	8.785	69	114848	17.21	ppb	90
69) 1,1,2-Trichloroethane	8.828	97	76243	17.36	ppb	100
72) Tetrachloroethene	8.968	164	79499	19.61	ppb	97
73) 2-Hexanone	9.120	43	58032	15.31	ppb	98
74) 1,3-Dichloropropene	8.998	76	130393	19.13	ppb	98
75) Dibromochloromethane	9.224	129	77289	15.64	ppb	97
76) N-Butyl Acetate	9.273	43	115523	16.00	ppb	98
77) 1,2-Dibromoethane	9.321	107	81752	17.96	ppb	100
78) Chlorobenzene	9.815	112	232943	18.79	ppb	96
79) 3-CBTF	9.833	180	146102	20.53	ppb	97
80) 4-CBTF	9.888	180	132127	20.51	ppb	95
81) 1,1,1,2-Tetrachloroethane	9.900	131	83466	17.36	ppb	100
82) Ethylbenzene	9.937	106	125948	18.80	ppb	94
83) (m+p)Xylene	10.047	106	308074	37.13	ppb	96
84) o-Xylene	10.406	106	154487	18.39	ppb	99
85) Styrene	10.419	104	240696	18.33	ppb	98
87) Bromoform	10.571	173	54992	14.32	ppb	98
88) 2-CBTF	10.650	180	141083	19.36	ppb	98
89) Isopropylbenzene	10.742	105	372585	17.89	ppb	97
90) Cyclohexanone	10.803	55	78691	75.73	ppb	89
91) trans-1,4-Dichloro-2-B...	11.047	53	22228	13.89	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	95774	15.22	ppb	98
93) Bromobenzene	10.986	156	113708	18.11	ppb	94
94) 1,2,3-Trichloropropane	11.028	110	40430	17.11	ppb	99
95) n-Propylbenzene	11.095	91	406434	18.00	ppb	98
96) 2-Chlorotoluene	11.162	91	250047	17.80	ppb	99
97) 3-Chlorotoluene	11.211	91	250361	18.86	ppb	99
98) 4-Chlorotoluene	11.254	91	293732	18.29	ppb	97
99) 1,3,5-Trimethylbenzene	11.248	105	315621	18.04	ppb	97
100) tert-Butylbenzene	11.522	119	292390	18.29	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	323266	18.58	ppb	97
102) 3,4-DCBTF	11.620	214	118765	19.11	ppb	98
103) sec-Butylbenzene	11.705	105	397969	17.79	ppb	98
104) p-Isopropyltoluene	11.827	119	350964	18.04	ppb	99
105) 1,3-Dclbenz	11.784	146	211911	18.90	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26689.D
 Acq On : 13 May 2019 11:49 am
 Operator : K.Ruest
 Sample : LCS-ACID Inst : MSVOA-12
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

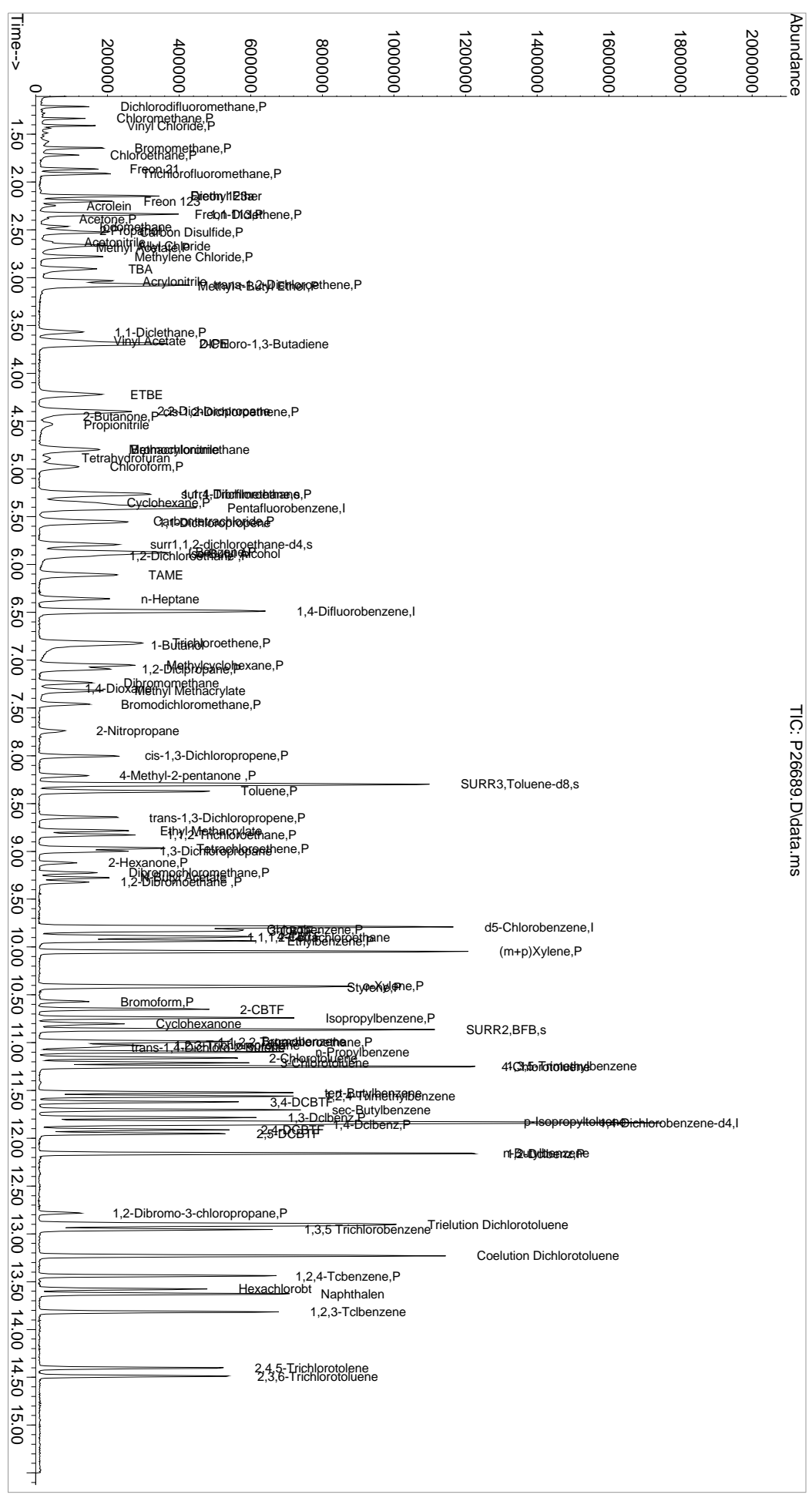
Quant Time: May 13 12:07:06 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,4-Dclbenz	11.857	146	215928	18.82	ppb	99
107) 2,4-DCBTF	11.912	214	105596	18.87	ppb	97
108) 2,5-DCBTF	11.955	214	119405	19.22	ppb	99
109) n-Butylbenzene	12.156	91	299403	18.50	ppb	100
110) 1,2-Dclbenz	12.162	146	208396	18.65	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	30224	13.54	ppb	95
112) Trielution Dichlorotol...	12.900	125	538716	57.42	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	172682	19.46	ppb	93
114) Coelution Dichlorotoluene	13.229	125	397784	38.00	ppb	100
115) 1,2,4-Tcbenzene	13.443	180	182569	19.61	ppb	95
116) Hexachlorobt	13.577	225	73326	18.23	ppb	96
117) Naphthalen	13.625	128	463802	17.20	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	179650	18.20	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	116650	19.60	ppb	98
120) 2,3,6-Trichlorotoluene	14.491	159	115250	16.44	ppb	97

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

05/13/19
Data Path : I:\ACQDATA\msvoa12\Data\051319\
Data File : P26689.D
Acq On : 13 May 2019 11:49 am
Operator : K.Ruest
Sample : LCS-ACID
Inst : MSVOA-12
Sample Multiplier: 1

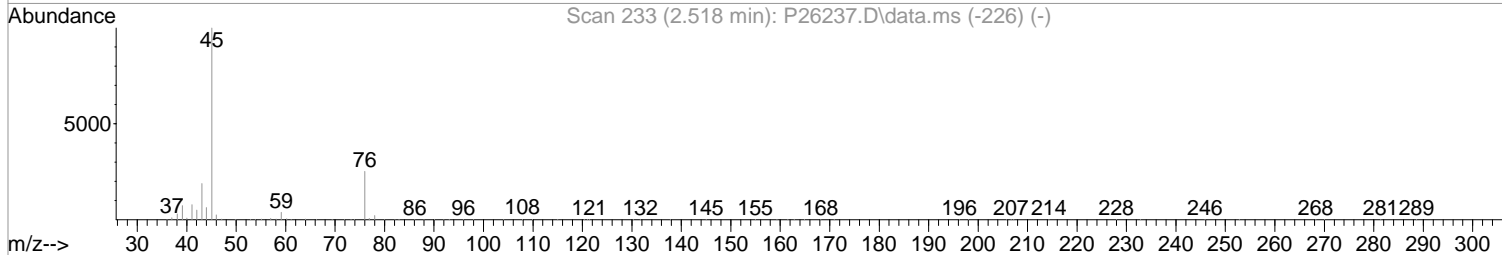
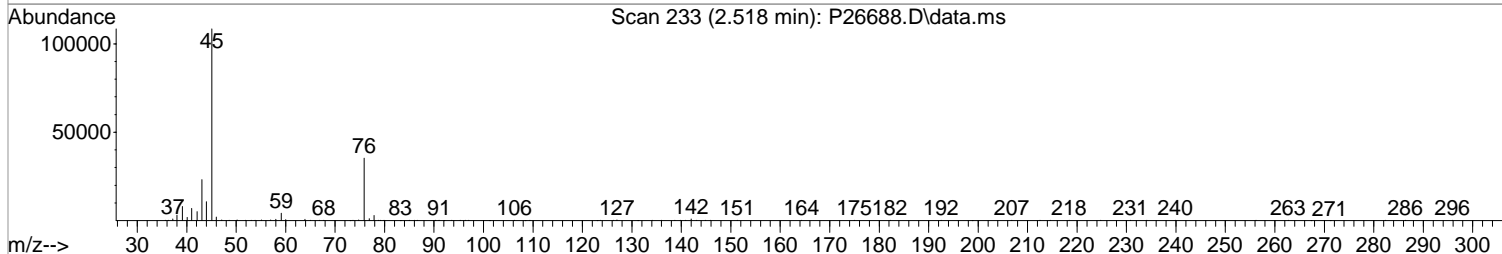
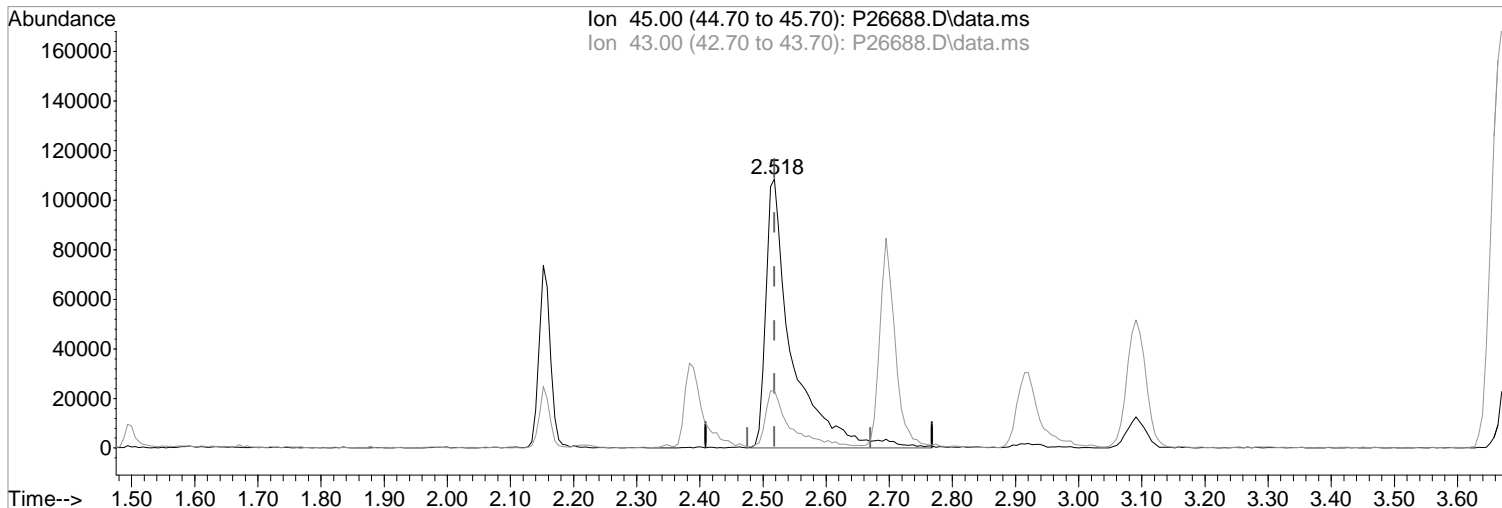
Quant Time: May 13 12:07:06 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
Qlast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26688.D
Acq On : 13 May 2019 11:23 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:38:34 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (+0.000) 708.15 ppb m
response 313112

Manual Integration:

After

Poor integration.

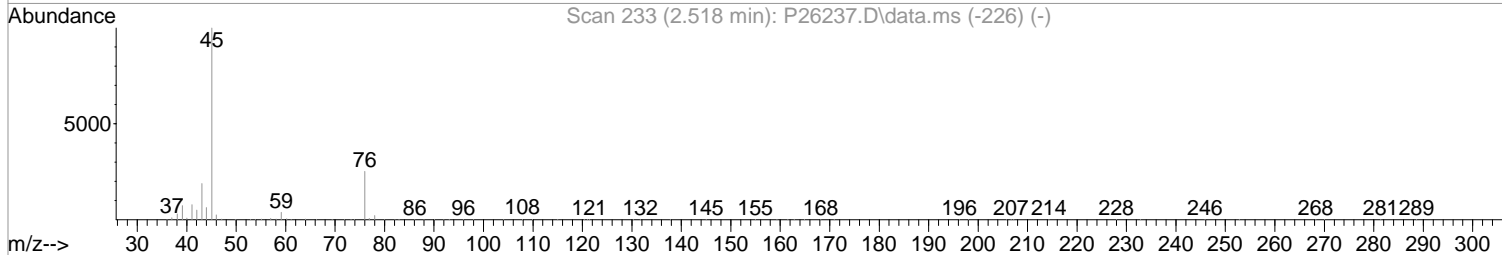
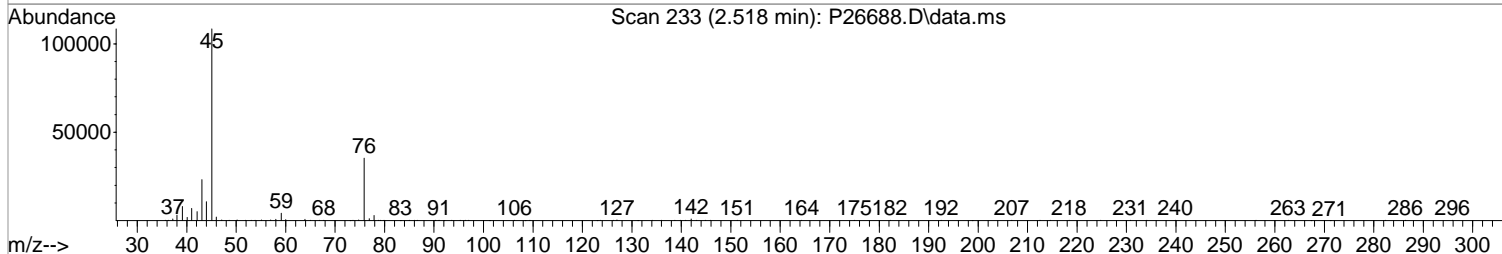
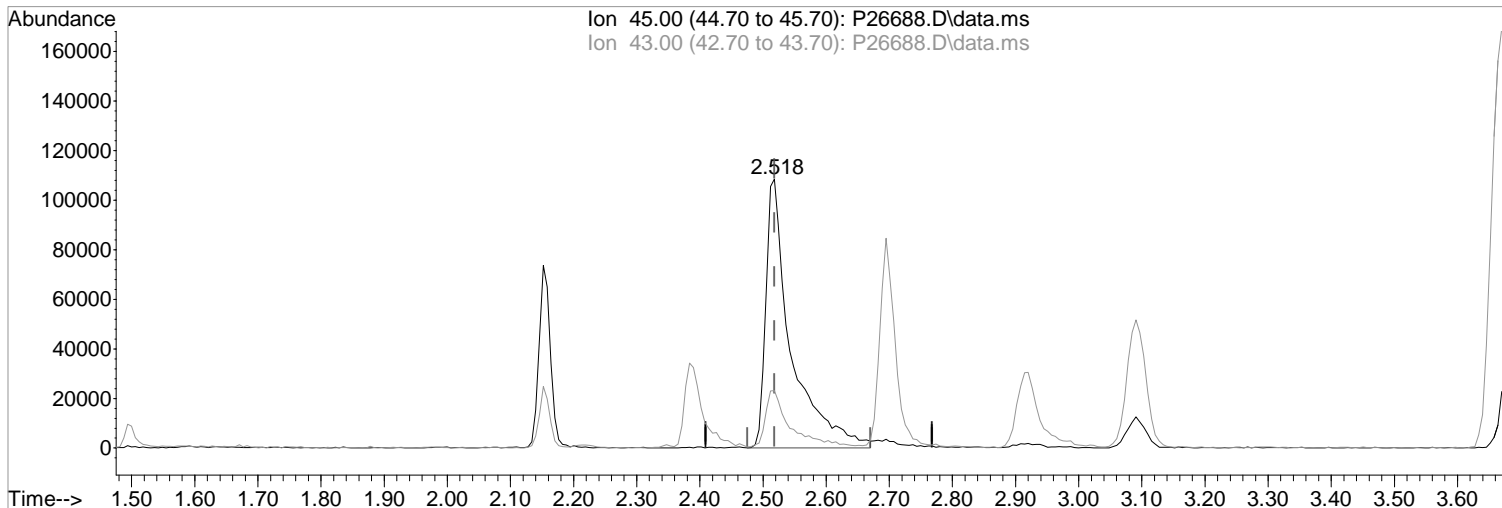
05/13/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.36
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26688.D
Acq On : 13 May 2019 11:23 am
Operator : K.Ruest
Sample : CCV
Misc :
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:38:34 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26688.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 685.14 ppb
response 302939

Manual Integration:
Before

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.36
0.00	0.00	0.00
0.00	0.00	0.00

05/13/19

Data Path : I:\ACQUDATA\msvoal2\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.0000	50.0000	0.0	117	0.00
2 P	Dichlorodifluoromethane	50.0000	49.8911	0.2	109	0.00
3 P	Chloromethane	50.0000	48.1188	3.8	114	0.00
4 P	Vinyl Chloride	50.0000	46.5281	6.9	107	0.00
5 P	Bromomethane	50.0000	40.1054	19.8	100	0.00
6 P	Chloroethane	50.0000	44.1363	11.7	107	0.00
7	Freon 21	50.0000	43.2062	13.6	102	0.00
8 P	Trichlorofluoromethane	50.0000	46.6669	6.7	108	0.00
9	Diethyl Ether	50.0000	41.9854	16.0	104	0.00
10	Freon 123a	50.0000	43.2243	13.6	101	0.00
11	Freon 123	50.0000	43.3183	13.4	100	0.00
12	Acrolein	250.0000	193.2035	22.7#	89	0.00
13 P	1,1-Dicethene	50.0000	41.3771	17.2	102	0.00
14 P	Freon 113	50.0000	45.5899	8.8	107	0.00
15 P	Acetone	50.0000	38.9194	22.2#	90	0.00
16	2-Propanol	1000.0000	708.1470	29.2#	85	0.00
17	Iodomethane	50.0000	47.5590	4.9	102	0.00
18 P	Carbon Disulfide	50.0000	43.4029	13.2	98	0.00
19	Acetonitrile	250.0000	147.0131	41.2#	71	0.00
20	Allyl Chloride	50.0000	52.5695	-5.1	125	0.00
21 P	Methyl Acetate	50.0000	40.3421	19.3	95	0.00
22 P	Methylene Chloride	50.0000	45.0012	10.0	106	0.00
23	TBA	1000.0000	672.1621	32.8#	79	0.00
24	Acrylonitrile	250.0000	221.7320	11.3	99	0.00
25 P	Methyl-t-Butyl Ether	50.0000	43.0661	13.9	101	0.00
26 P	trans-1,2-Dichloroethene	50.0000	46.0083	8.0	112	0.00
27	Halothane	-1.0000	0.0000	0.0	0	-4.17#
28 P	1,1-Dicethane	50.0000	46.3661	7.3	106	0.00
29	Vinyl Acetate	50.0000	43.7602	12.5	110	0.00
30	DIPE	50.0000	48.4339	3.1	111	0.00
31	2-Chloro-1,3-Butadiene	50.0000	46.0056	8.0	106	0.00
32	ETBE	50.0000	48.2584	3.5	108	0.00
33	2,2-Dichloropropane	50.0000	45.3646	9.3	103	0.00
34 P	cis-1,2-Dichloroethene	50.0000	44.4031	11.2	109	0.00
35 P	2-Butanone	50.0000	40.8095	18.4	89	0.00
36	Propionitrile	250.0000	200.7275	19.7	94	0.00
37	Bromochloromethane	50.0000	45.9283	8.1	109	0.00
38	Methacrylonitrile	50.0000	45.2740	9.5	101	0.00
39	Tetrahydrofuran	50.0000	40.7831	18.4	91	0.00
40 P	Chloroform	50.0000	44.9440	10.1	107	0.00
41 P	1,1,1-Trichloroethane	50.0000	44.1968	11.6	103	0.00
42	TAME	50.0000	46.7707	6.5	107	0.00
43 I	1,4-Difluorobenzene	50.0000	50.0000	0.0	118	0.00
44 P	Cyclohexane	50.0000	48.4275	3.1	106	0.00
45 s	surr4,Dibrflmethane	50.0000	49.1525	1.7	115	0.00
46 P	Carbontetrachloride	50.0000	44.8900	10.2	101	0.00
47	1,1-Dichloropropene	50.0000	47.6267	4.7	110	0.00
48 s	surr1,1,2-dichloroethane-d4	50.0000	50.8778	-1.8	114	0.00
49 P	Benzene	50.0000	45.7599	8.5	108	0.00
50 P	1,2-Dichloroethane	50.0000	44.7645	10.5	105	0.00
51	Iso-Butyl Alcohol	1000.0000	697.7393	30.2#	84	-0.01

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	n-Heptane	50.0000	49.2934	1.4	118	0.00
53	1-Butanol	2500.0000	1822.9984	27.1#	85	-0.01
54 P	Trichloroethene	50.0000	48.0987	3.8	115	0.00
55 P	Methylcyclohexane	50.0000	47.9733	4.1	109	0.00
56 P	1,2-Diclp propane	50.0000	46.4141	7.2	108	0.00
57	Dibromomethane	50.0000	46.5737	6.9	108	0.00
58	1,4-Dioxane	1000.0000	812.3637	18.8	105	-0.02
59	Methyl Methacrylate	50.0000	42.2919	15.4	98	0.00
60 P	Bromodichloromethane	50.0000	43.2665	13.5	102	0.00
61	2-Nitropropane	100.0000	75.5634	24.4#	80	0.00
62	2-Chloroethylvinyl Ether	50.0000	34.6640	30.7#	77	0.00
63 P	cis-1,3-Dichloropropene	50.0000	43.9740	12.1	104	0.00
64 P	4-Methyl-2-pentanone	50.0000	40.6672	18.7	93	0.00
65 s	SURR3,Toluene-d8	50.0000	50.2031	-0.4	116	0.00
66 P	Toluene	50.0000	47.2309	5.5	109	0.00
67 P	trans-1,3-Dichloropropene	50.0000	45.9551	8.1	103	0.00
68	Ethyl Methacrylate	50.0000	42.7896	14.4	99	0.00
69 P	1,1,2-Trichloroethane	50.0000	44.2665	11.5	104	0.00
70 s	SURR2,BFB	50.0000	50.2911	-0.6	111	0.00
71 I	d5-Chlorobenzene	50.0000	50.0000	0.0	116	0.00
72 P	Tetrachloroethene	50.0000	49.5802	0.8	119	0.00
73 P	2-Hexanone	50.0000	36.9010	26.2#	85	0.00
74	1,3-Dichloropropene	50.0000	45.4724	9.1	106	0.00
75 P	Dibromochloromethane	50.0000	39.8959	20.2#	97	0.00
76	N-Butyl Acetate	50.0000	38.8472	22.3#	89	0.00
77 P	1,2-Dibromoethane	50.0000	44.8209	10.4	106	0.00
78 P	Chlorobenzene	50.0000	47.6385	4.7	112	0.00
79	3-CBTF	50.0000	54.1360	-8.3	127	0.00
80	4-CBTF	50.0000	53.5337	-7.1	129	0.00
81	1,1,1,2-Tetrachloroethane	50.0000	43.1112	13.8	106	0.00
82 P	Ethylbenzene	50.0000	47.1581	5.7	112	0.00
83 P	(m+p)Xylene	100.0000	95.6334	4.4	110	0.00
84 P	o-Xylene	50.0000	46.9953	6.0	107	0.00
85 P	Styrene	50.0000	48.1243	3.8	105	0.00
86 I	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	111	0.00
87 P	Bromoform	50.0000	35.7572	28.5#	83	0.00
88	2-CBTF	50.0000	49.8736	0.3	120	0.00
89 P	Isopropylbenzene	50.0000	44.0377	11.9	107	0.00
90	Cyclohexanone	1000.0000	653.9345	34.6#	81	0.00
91	trans-1,4-Dichloro-2-Butene	50.0000	31.8776	36.2#	77	0.00
92 P	1,1,2,2-Tetrachloroethane	50.0000	37.8405	24.3#	95	0.00
93	Bromobenzene	50.0000	44.3380	11.3	107	0.00
94	1,2,3-Trichloropropene	50.0000	38.4906	23.0#	95	0.00
95	n-Propylbenzene	50.0000	44.6861	10.6	107	0.00
96	2-Chlorotoluene	50.0000	44.2826	11.4	106	0.00
97	3-Chlorotoluene	50.0000	50.1055	-0.2	116	0.00
98	4-Chlorotoluene	50.0000	43.6217	12.8	101	0.00
99	1,3,5-Trimethylbenzene	50.0000	45.0117	10.0	105	0.00
100	tert-Butylbenzene	50.0000	45.2291	9.5	103	0.00
101	1,2,4-Trimethylbenzene	50.0000	45.7983	8.4	106	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
102	3,4-DCBTF	50.0000	49.9331	0.1	112	0.00
103	sec-Butylbenzene	50.0000	44.9378	10.1	106	0.00
104	p-Isopropyltoluene	50.0000	46.0323	7.9	104	0.00
105 P	1,3-Dclbenz	50.0000	46.0452	7.9	106	0.00
106 P	1,4-Dclbenz	50.0000	45.8767	8.2	103	0.00
107	2,4-DCBTF	50.0000	51.1022	-2.2	113	0.00
108	2,5-DCBTF	50.0000	49.9658	0.1	112	0.00
109	n-Butylbenzene	50.0000	45.8193	8.4	109	0.00
110 P	1,2-Dclbenz	50.0000	45.9697	8.1	105	0.00
111 P	1,2-Dibromo-3-chloropropane	50.0000	35.1804	29.6#	82	0.00
112	Trielution Dichlorotoluene	150.0000	150.0226	-0.0	113	0.00
113	1,3,5 Trichlorobenzene	50.0000	50.8979	-1.8	115	0.00
114	Coelution Dichlorotoluene	100.0000	99.3116	0.7	113	0.00
115 P	1,2,4-Tcbenzene	50.0000	49.7942	0.4	111	0.00
116	Hexachlorobt	50.0000	45.8348	8.3	105	0.00
117	Naphthalen	50.0000	43.2164	13.6	98	0.00
118	1,2,3-Tclbenzene	50.0000	47.4441	5.1	107	0.00
119	2,4,5-Trichlorotolene	50.0000	51.1510	-2.3	111	0.00
120	2,3,6-Trichlorotoluene	50.0000	50.4773	-1.0	110	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	415878	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	587971	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	545123	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	335373	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	166157	49.15	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	98.30%			
48) surr1,1,2-dichloroetha...	5.798	65	187635	50.88	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	101.76%			
65) SURR3,Toluene-d8	8.303	98	704542	50.20	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	100.40%			
70) SURR2,BFB	10.864	95	275812	50.29	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	100.58%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	193610	49.89	ppb		98
3) Chloromethane	1.341	50	170316	48.12	ppb		98
4) Vinyl Chloride	1.420	62	201117	46.53	ppb		99
5) Bromomethane	1.652	94	164283	40.11	ppb		99
6) Chloroethane	1.725	64	151898	44.14	ppb		100
7) Freon 21	1.872	67	268381	43.21	ppb		98
8) Trichlorofluoromethane	1.920	101	253672	46.67	ppb		96
9) Diethyl Ether	2.152	59	132265	41.99	ppb		98
10) Freon 123a	2.158	67	163097	43.22	ppb		99
11) Freon 123	2.207	83	195455	43.32	ppb		98
12) Acrolein	2.256	56	144586	193.20	ppb		99
13) 1,1-Diclcethene	2.341	96	142127	41.38	ppb		94
14) Freon 113	2.347	101	139580	45.59	ppb		94
15) Acetone	2.384	43	66429	38.92	ppb		97
16) 2-Propanol	2.518	45	313112m	708.15	ppb		
17) Iodomethane	2.475	142	189180	47.56	ppb		97
18) Carbon Disulfide	2.536	76	361548	43.40	ppb		99
19) Acetonitrile	2.634	40	42021	147.01	ppb	#	84
20) Allyl Chloride	2.670	76	82529	52.57	ppb	#	88
21) Methyl Acetate	2.695	43	139633	40.34	ppb		98
22) Methylene Chloride	2.786	84	161632	45.00	ppb		97
23) TBA	2.914	59	531321	672.16	ppb		93
24) Acrylonitrile	3.042	53	391774	221.73	ppb		98
25) Methyl-t-Butyl Ether	3.091	73	540906	43.07	ppb		99
26) trans-1,2-Dichloroethene	3.085	96	173172	46.01	ppb		97
28) 1,1-Diclcethane	3.579	63	287421	46.37	ppb		96
29) Vinyl Acetate	3.670	86	40569	43.76	ppb	#	87
30) DIPE	3.700	45	470170	48.43	ppb		97
31) 2-Chloro-1,3-Butadiene	3.700	53	213714	46.01	ppb		97
32) ETBE	4.231	59	506386	48.26	ppb		98
33) 2,2-Dichloropropane	4.408	77	257883	45.36	ppb		97
34) cis-1,2-Dichloroethene	4.414	96	195416	44.40	ppb		100
35) 2-Butanone	4.456	43	93362	40.81	ppb		97
36) Propionitrile	4.542	54	164708	200.73	ppb		92
37) Bromochloromethane	4.804	130	137848	45.93	ppb		98
38) Methacrylonitrile	4.810	67	93923	45.27	ppb		91
39) Tetrahydrofuran	4.901	42	63253	40.78	ppb		92
40) Chloroform	4.987	83	295724	44.94	ppb		94
41) 1,1,1-Trichloroethane	5.279	97	271020	44.20	ppb		98

Data Path : I:\ACQUDATA\msvoal2\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	527207	46.77	ppb	98
44) Cyclohexane	5.365	41	142969	48.43	ppb	98
46) Carbontetrachloride	5.554	117	229986	44.89	ppb	94
47) 1,1-Dichloropropene	5.566	75	225420	47.63	ppb	98
49) Benzene	5.877	78	697243	45.76	ppb	98
50) 1,2-Dichloroethane	5.913	62	241760	44.76	ppb	98
51) Iso-Butyl Alcohol	5.883	43	231758	697.74	ppb	94
52) n-Heptane	6.365	43	199733	49.29	ppb	97
53) 1-Butanol	6.840	56	409236	1823.00	ppb	99
54) Trichloroethene	6.816	130	227743	48.10	ppb	97
55) Methylcyclohexane	7.053	55	212150	47.97	ppb	90
56) 1,2-Diclpropane	7.096	63	169879	46.41	ppb	99
57) Dibromomethane	7.236	93	119192	46.57	ppb	99
58) 1,4-Dioxane	7.303	88	80868	812.36	ppb	99
59) Methyl Methacrylate	7.322	69	153337	42.29	ppb	95
60) Bromodichloromethane	7.462	83	219381	43.27	ppb	96
61) 2-Nitropropane	7.742	41	99195	75.56	ppb	98
62) 2-Chloroethylvinyl Ether	7.870	63	89892	34.66	ppb	89
63) cis-1,3-Dichloropropene	8.005	75	287737	43.97	ppb	97
64) 4-Methyl-2-pentanone	8.206	43	185270	40.67	ppb	100
66) Toluene	8.376	91	813883	47.23	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	266429	45.96	ppb	98
68) Ethyl Methacrylate	8.785	69	268462	42.79	ppb	99
69) 1,1,2-Trichloroethane	8.828	97	182842	44.27	ppb	96
72) Tetrachloroethene	8.968	164	194321	49.58	ppb	98
73) 2-Hexanone	9.120	43	135202	36.90	ppb	92
74) 1,3-Dichloropropane	8.998	76	299645	45.47	ppb	98
75) Dibromochloromethane	9.224	129	190584	39.90	ppb	94
76) N-Butyl Acetate	9.279	43	271232	38.85	ppb	99
77) 1,2-Dibromoethane	9.321	107	197231	44.82	ppb	99
78) Chlorobenzene	9.815	112	570914	47.64	ppb	99
79) 3-CBTF	9.833	180	372551	54.14	ppb	99
80) 4-CBTF	9.888	180	333361	53.53	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.907	131	200448	43.11	ppb	97
82) Ethylbenzene	9.937	106	305532	47.16	ppb	98
83) (m+p)Xylene	10.047	106	767158	95.63	ppb	98
84) o-Xylene	10.406	106	381697	47.00	ppb	100
85) Styrene	10.419	104	610888	48.12	ppb	97
87) Bromoform	10.571	173	139074	35.76	ppb	98
88) 2-CBTF	10.650	180	368016	49.87	ppb	99
89) Isopropylbenzene	10.742	105	928897	44.04	ppb	98
90) Cyclohexanone	10.803	55	688229	653.93	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	51214	31.88	ppb	89
92) 1,1,2,2-Tetrachloroethane	10.998	83	241194	37.84	ppb	99
93) Bromobenzene	10.986	156	281988	44.34	ppb	99
94) 1,2,3-Trichloropropane	11.028	110	92091	38.49	ppb	91
95) n-Propylbenzene	11.095	91	1022052	44.69	ppb	99
96) 2-Chlorotoluene	11.162	91	629978	44.28	ppb	100
97) 3-Chlorotoluene	11.211	91	673585	50.11	ppb	99
98) 4-Chlorotoluene	11.254	91	709463	43.62	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	797552	45.01	ppb	99
100) tert-Butylbenzene	11.522	119	732159	45.23	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	807035	45.80	ppb	99
102) 3,4-DCBTF	11.620	214	314237	49.93	ppb	97
103) sec-Butylbenzene	11.705	105	1018067	44.94	ppb	99
104) p-Isopropyltoluene	11.827	119	907081	46.03	ppb	99

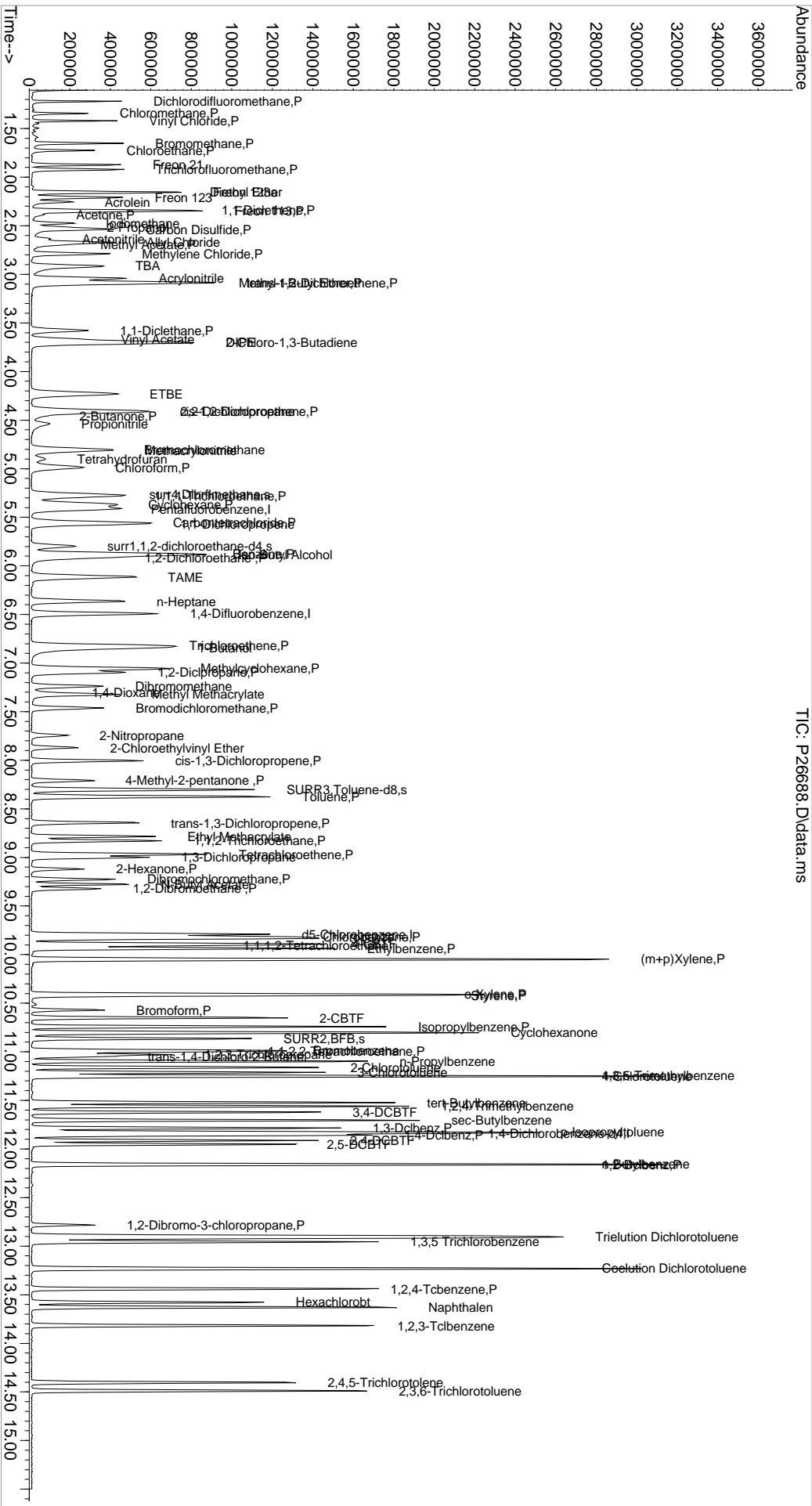
Data Path : I:\ACQUDATA\msvoa12\Data\051319\
 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV Inst : MSVOA-12
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	522990	46.05	ppb	99
106) 1,4-Dclbenz	11.857	146	533033	45.88	ppb	97
107) 2,4-DCBTF	11.912	214	289648	51.10	ppb	99
108) 2,5-DCBTF	11.955	214	314332	49.97	ppb	98
109) n-Butylbenzene	12.156	91	751173	45.82	ppb	99
110) 1,2-Dclbenz	12.162	146	520115	45.97	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	79520	35.18	ppb	94
112) Trielution Dichlorotol...	12.906	125	1425396	150.02	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	457428	50.90	ppb	99
114) Coelution Dichlorotoluene	13.229	125	1052753	99.31	ppb	99
115) 1,2,4-Tcbenzene	13.442	180	469607	49.79	ppb	98
116) Hexachlorobt	13.577	225	186744	45.83	ppb	99
117) Naphthalen	13.631	128	1180463	43.22	ppb	99
118) 1,2,3-Tclbenzene	13.820	180	474235	47.44	ppb	99
119) 2,4,5-Trichlorotoluene	14.406	159	308361	51.15	ppb	98
120) 2,3,6-Trichlorotoluene	14.491	159	358461	50.48	ppb	96

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

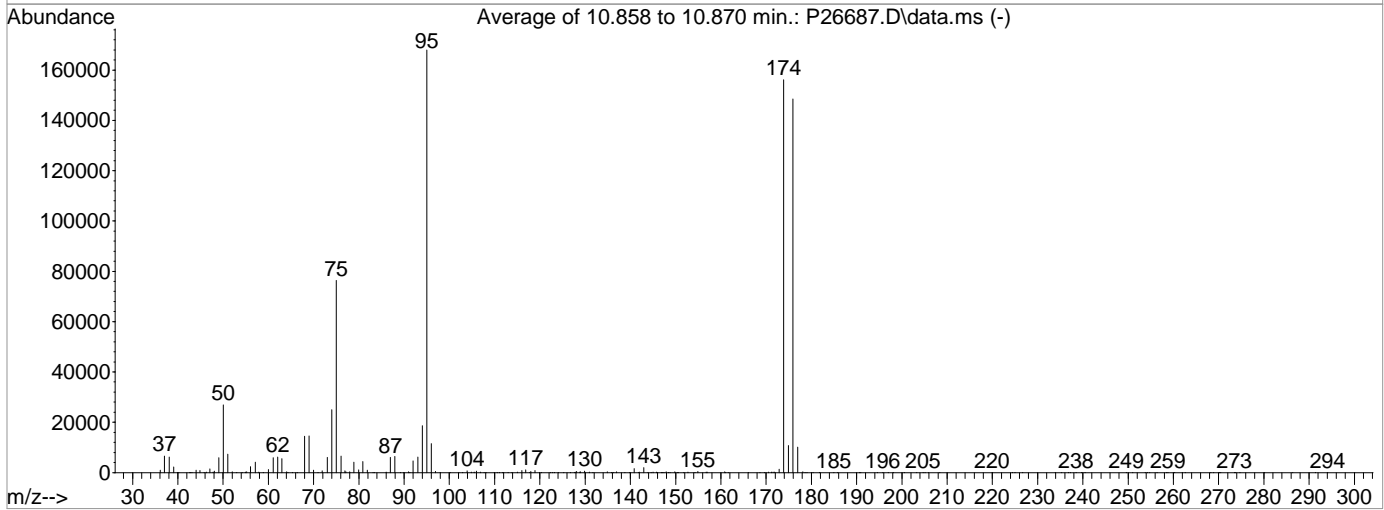
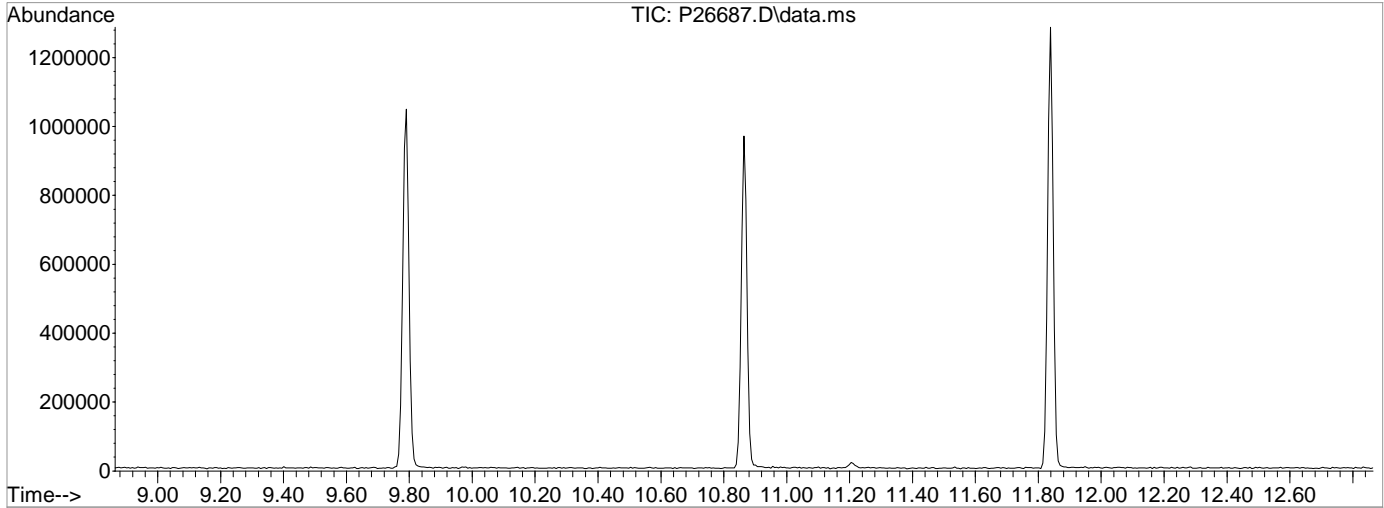
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 Data File : P26688.D
 Acq On : 13 May 2019 11:23 am
 Operator : K.Ruest
 Sample : CCV
 Inst : MSVOA-12
 Sample Vial : 1 Sample Multiplier: 1
 Quant Time: May 13 11:39:36 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\051319\
Data File : P26687.D
Acq On : 13 May 2019 10:55 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Thu May 02 11:39:03 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1594

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	26915	PASS
75	95	30	60	45.4	76339	PASS
95	95	100	100	100.0	168021	PASS
96	95	5	9	6.9	11570	PASS
173	174	0.00	2	0.8	1297	PASS
174	95	50	120	93.0	156176	PASS
175	174	5	9	6.9	10725	PASS
176	174	95	101	95.1	148515	PASS
177	176	5	9	6.8	10131	PASS

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 5/1/19 11:52

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA12\DATA\050119\P26230.D
Instrument ID: R-MS-12

Analytical Method: 8260C/624.1

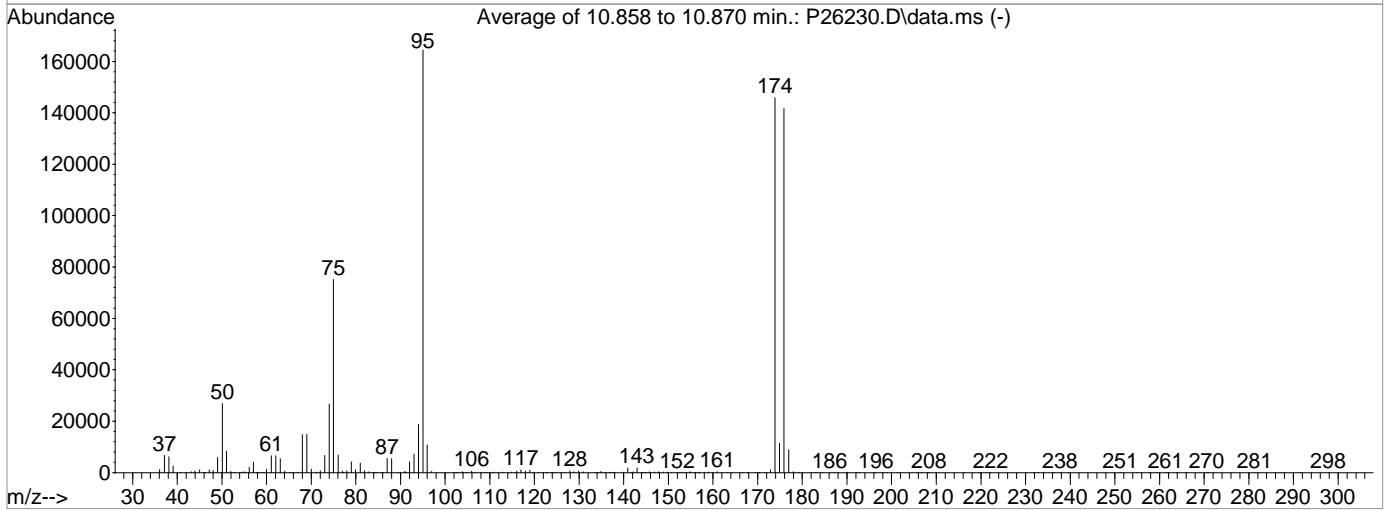
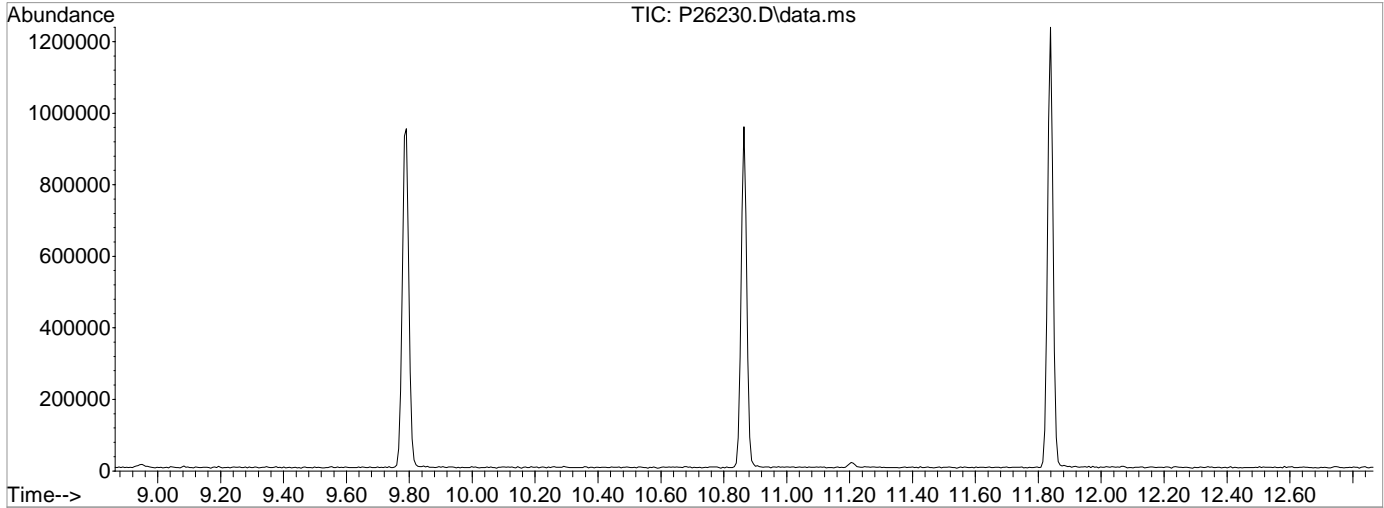
Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
IBLK	IBLK	I:\ACQUDATA\msvoa12\Data\050119\P26231.D	5/1/19 12:14
0.5ppb	0.5ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26232.D	5/1/19 12:47
1.0ppb	1.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26233.D	5/1/19 13:08
2.0ppb	2.0ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26234.D	5/1/19 13:30
5.0ppb	5.0ppb	I:\ACQUDATA\msvoa12\Data\050119\P26235.D	5/1/19 13:52
20ppb	20ppb	I:\ACQUDATA\msvoa12\Data\050119\P26236.D	5/1/19 14:14
50ppb	50ppb	I:\ACQUDATA\msvoa12\Data\050119\P26237.D	5/1/19 14:36
100ppb	100ppb	I:\ACQUDATA\msvoa12\Data\050119\P26238.D	5/1/19 14:58
150ppb	150ppb	I:\ACQUDATA\msvoa12\Data\050119\P26239.D	5/1/19 15:20
200ppb	200ppb	I:\ACQUDATA\MSVOA12\DATA\050119\P26240.D	5/1/19 15:42
ICV50	ICV50	I:\ACQUDATA\msvoa12\Data\050119\P26245.D	5/1/19 17:31

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26230.D
Acq On : 1 May 2019 11:52 am
Operator : K.Ruest
Sample : TUNE
Misc :
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Integration File: INTP90.P

Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Title : MS#12 - 8260B WATERS 10mL Purge
Last Update : Wed May 01 09:40:20 2019



AutoFind: Scans 1601, 1602, 1603; Background Corrected with Scan 1591

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	26848	PASS
75	95	30	60	45.7	75117	PASS
95	95	100	100	100.0	164480	PASS
96	95	5	9	6.6	10785	PASS
173	174	0.00	2	0.7	1008	PASS
174	95	50	120	88.7	145941	PASS
175	174	5	9	7.8	11347	PASS
176	174	95	101	97.1	141664	PASS
177	176	5	9	6.3	8867	PASS

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26231.D
 Acq On : 1 May 2019 12:14 pm
 Operator : K.Ruest
 Sample : IBLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:53:15 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

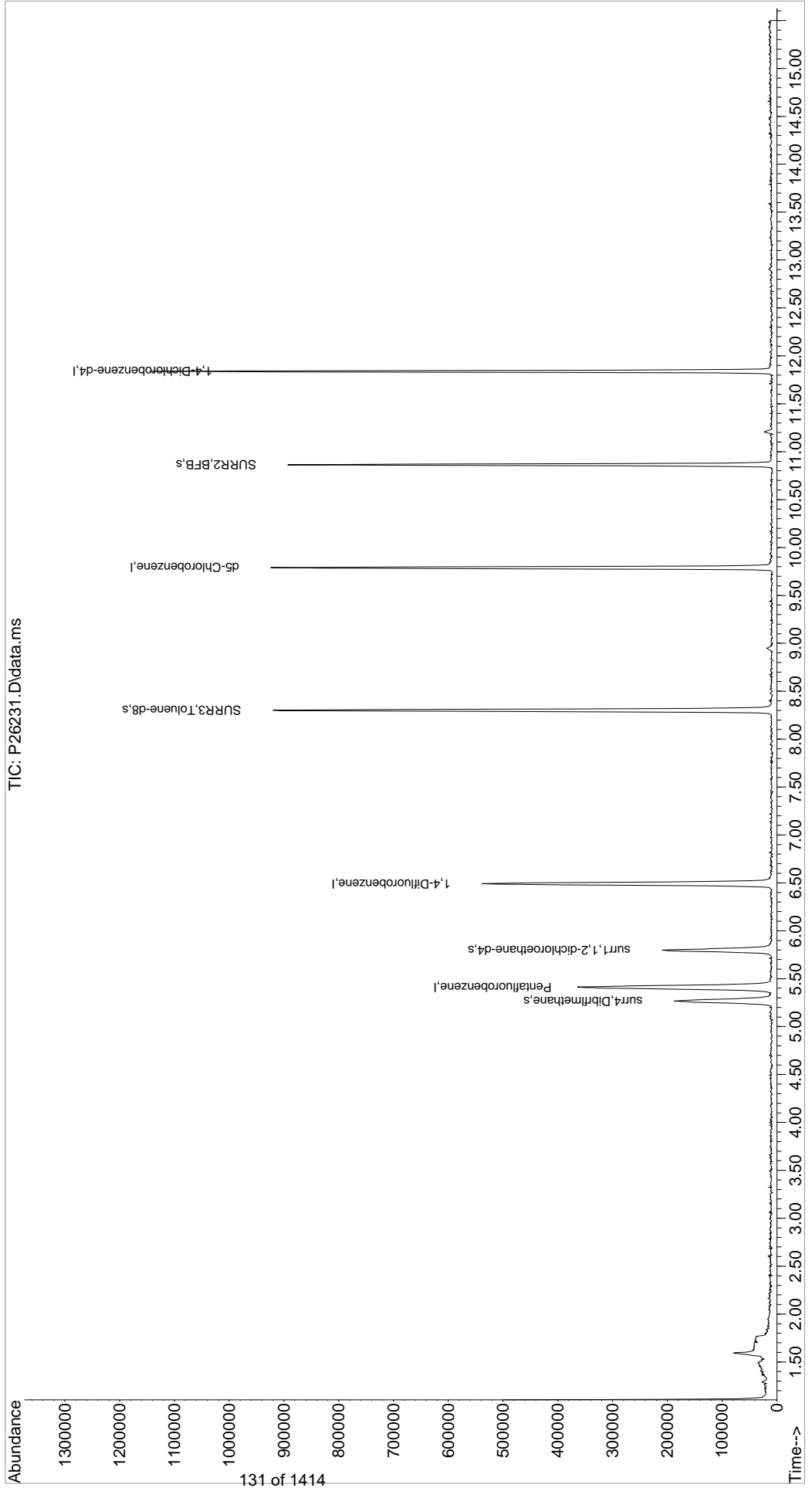
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.407	168	340940	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	493787	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	429733	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	232229	50.00	ppb	0.00
System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	142752	50.28	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.56%	
48) surr1,1,2-dichloroetha...	5.798	65	164648	53.16	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	106.32%	
65) SURR3,Toluene-d8	8.303	98	595399	50.52	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.04%	
70) SURR2,BFB	10.864	95	220144	47.80	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	95.60%	
Target Compounds						
15) Acetone	2.384	43	430	Below Cal	Qvalue #	23

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26231.D
Acq On : 1 May 2019 12:14 pm
Operator : K.Ruest
Sample : IBLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

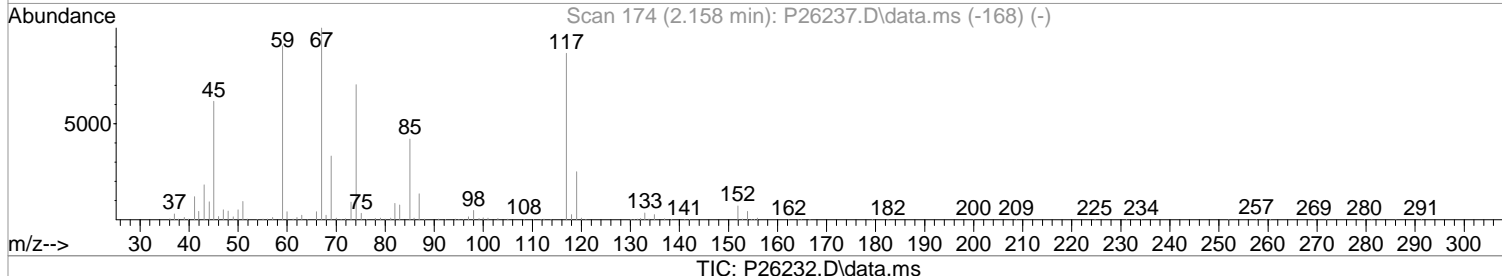
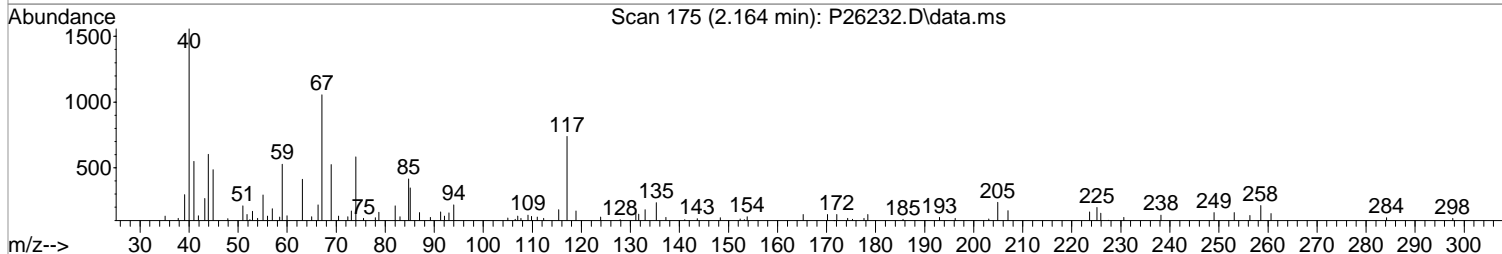
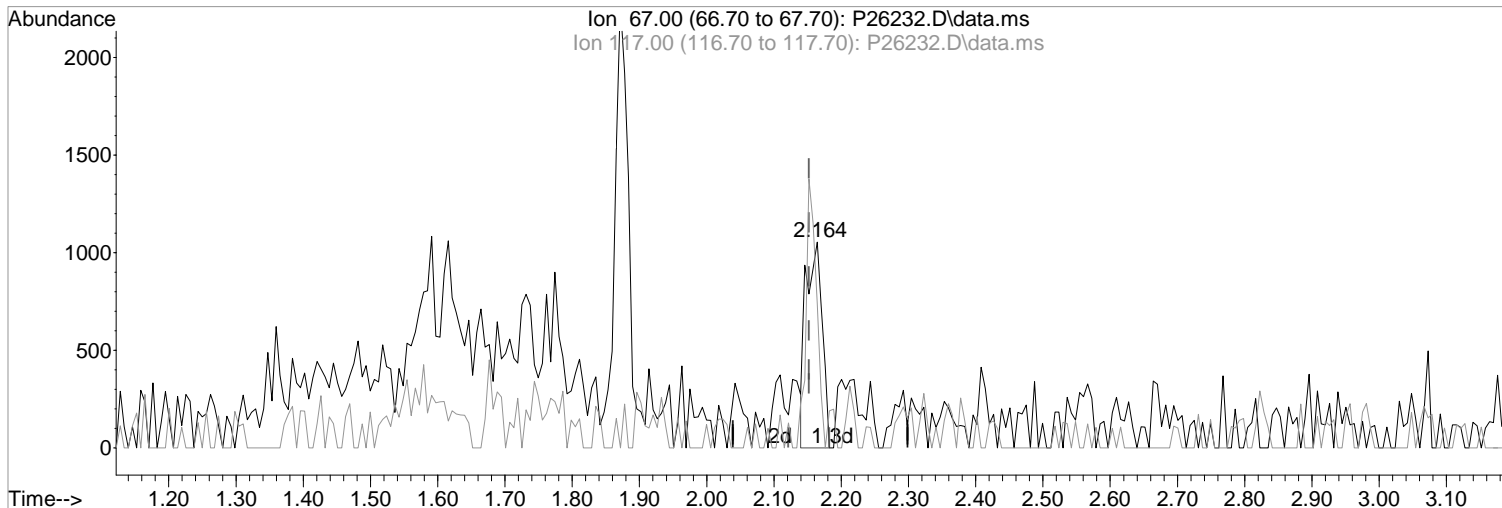
Quant Time: May 02 11:53:15 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(10) Freon 123a
2.164min (+0.012) 0.52 ppb m
response 1774

Manual Integration:

After

Poor integration.

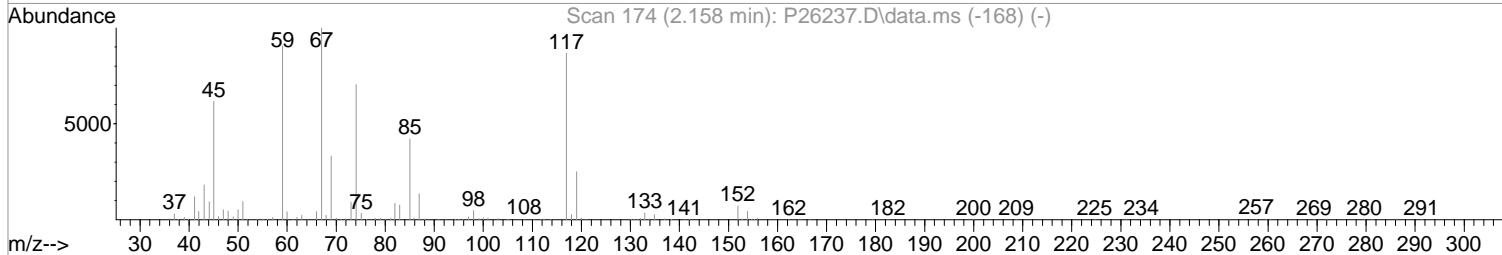
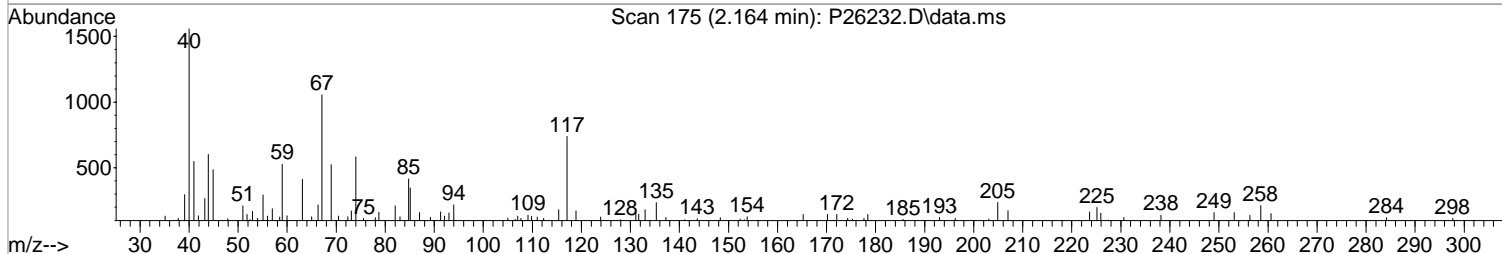
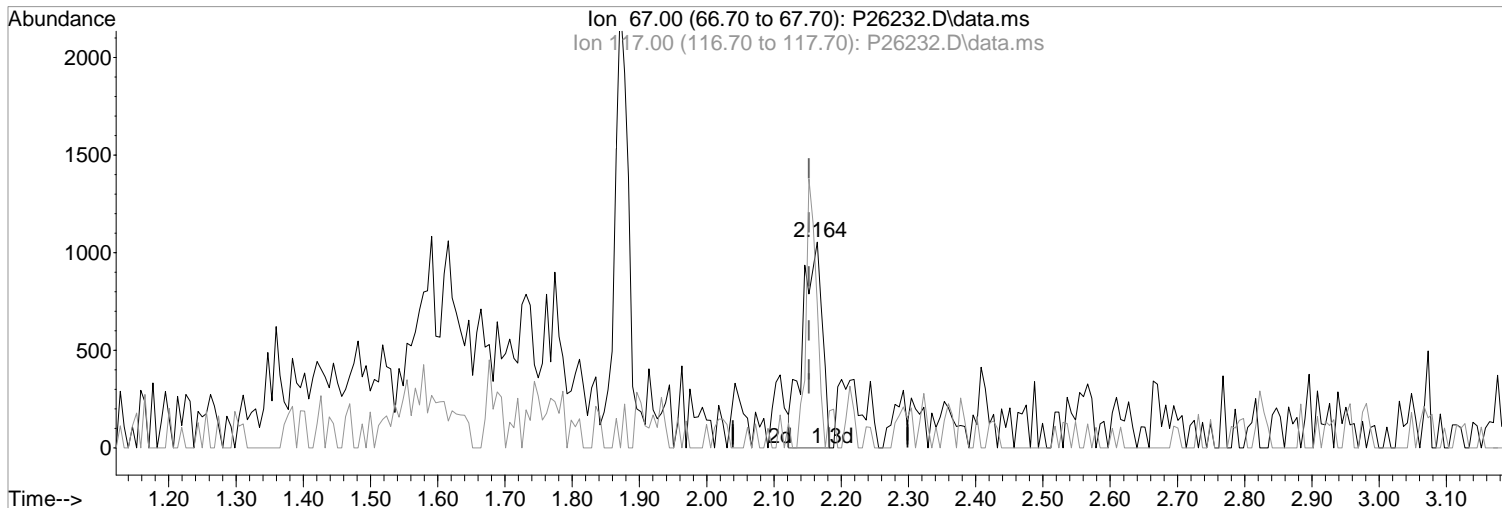
Ion	Exp%	Act%
67.00	100	100
117.00	87.10	70.05
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(10) Freon 123a

2.164min (+0.012) 0.63 ppb

response 2129

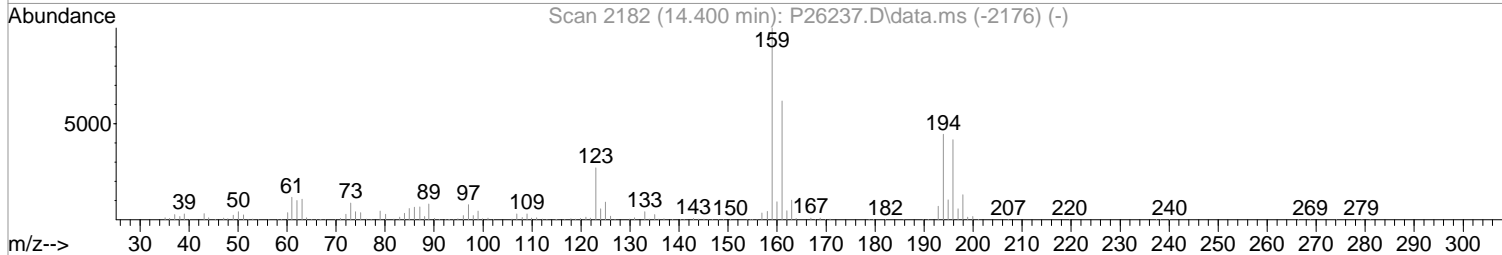
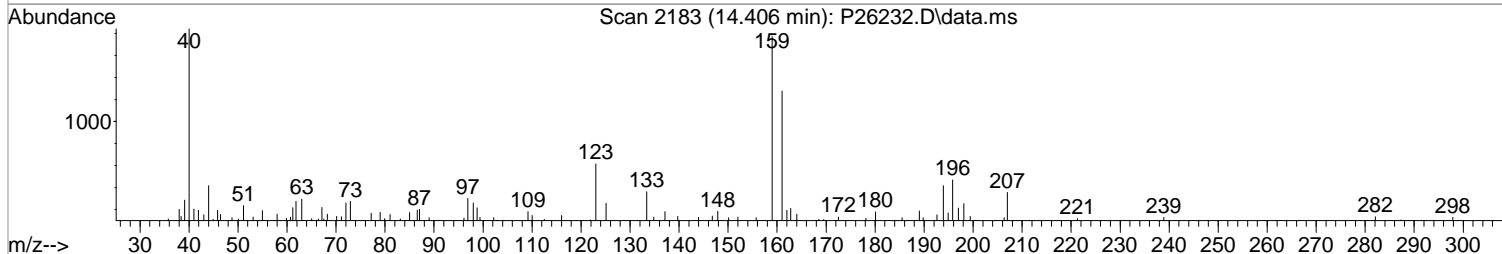
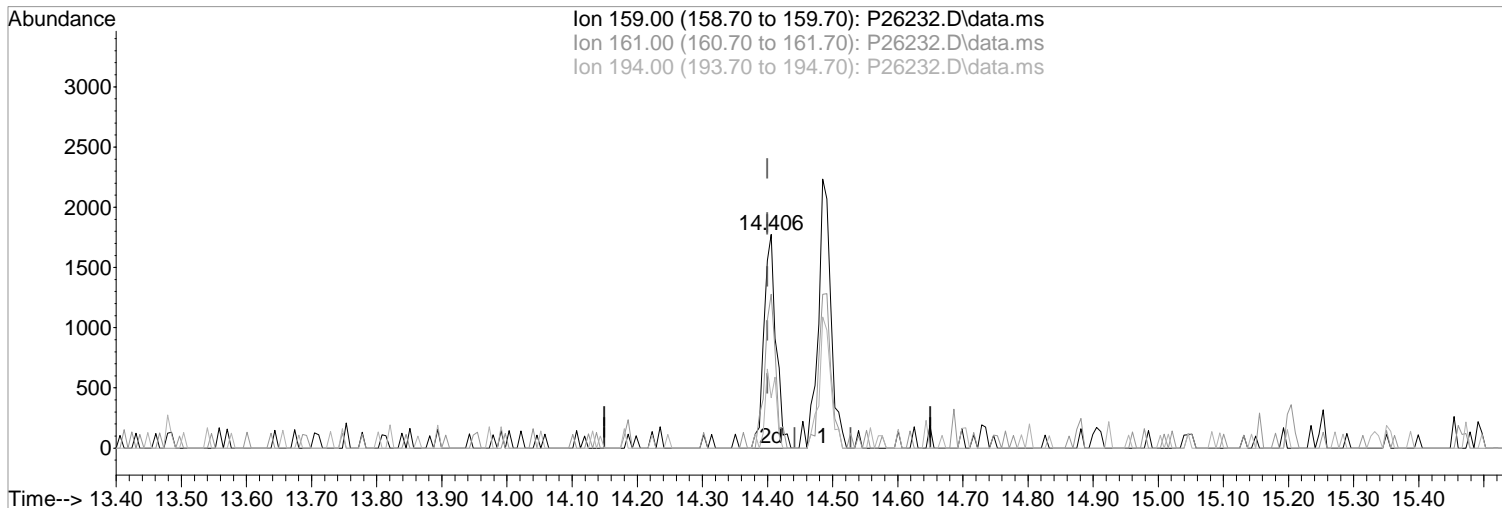
Ion	Exp%	Act%
67.00	100	100
117.00	87.10	70.05
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(119) 2,4,5-Trichlorotolene
14.406min (+0.006) 0.52 ppb m
response 2309

Manual Integration:
After
Wrong peak selected.

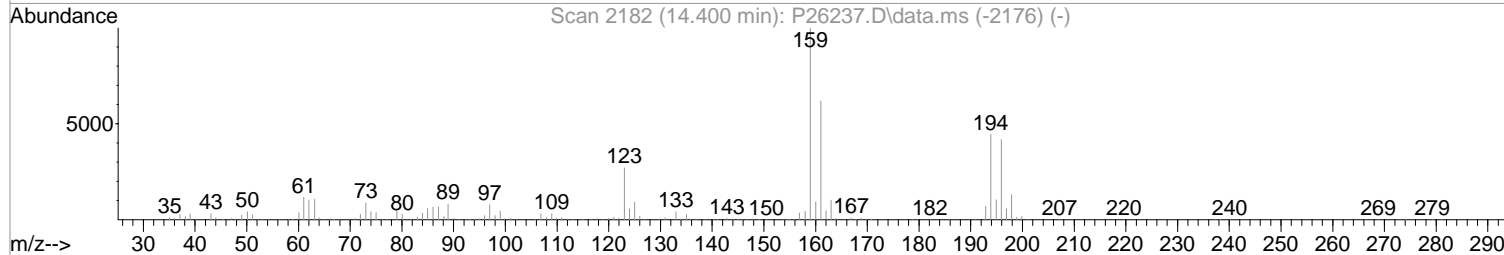
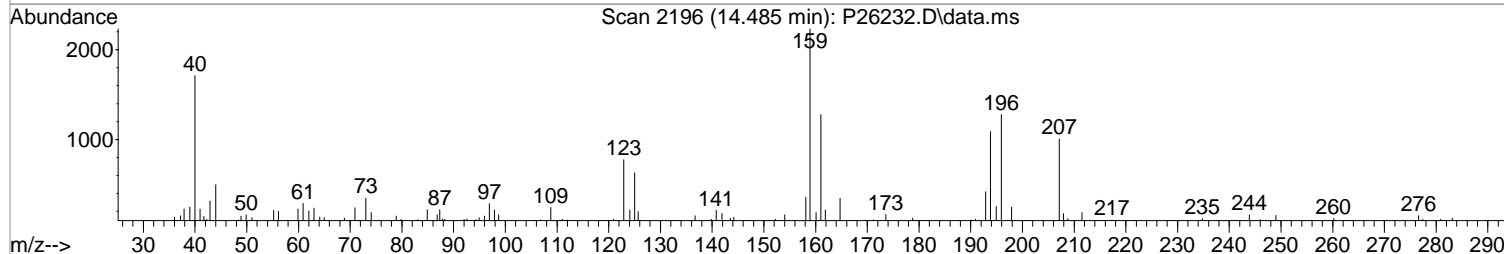
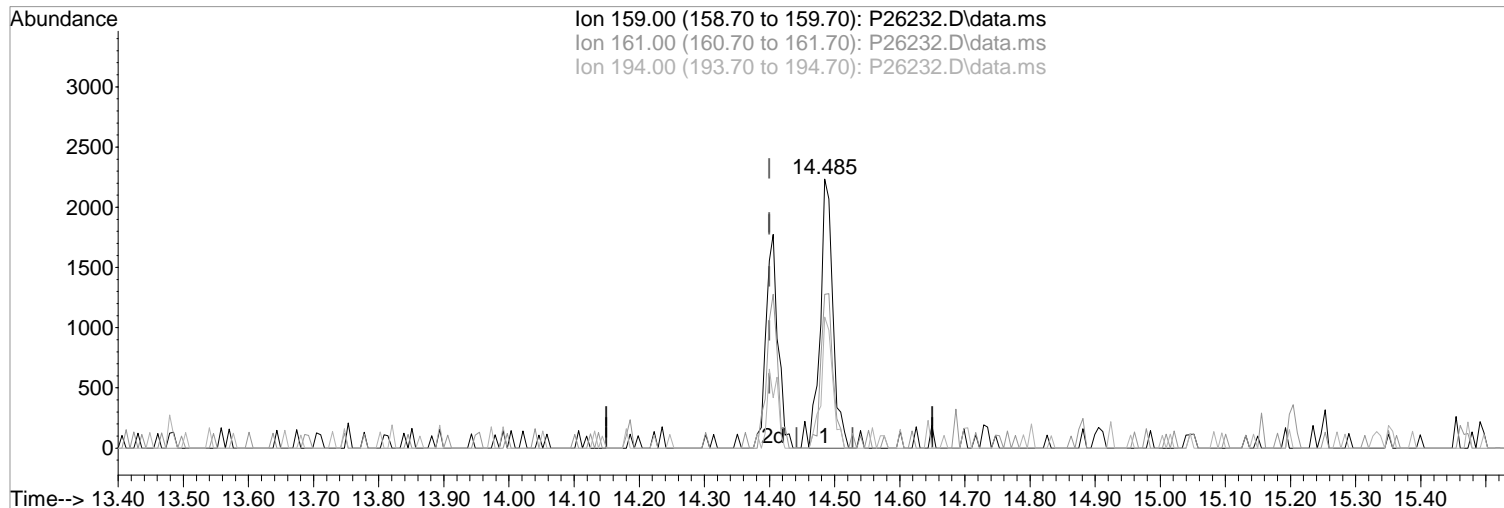
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	71.97
194.00	44.50	23.58#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(119) 2,4,5-Trichlorotolene
14.485min (+0.085) 0.69 ppb
response 3073

Manual Integration:
Before

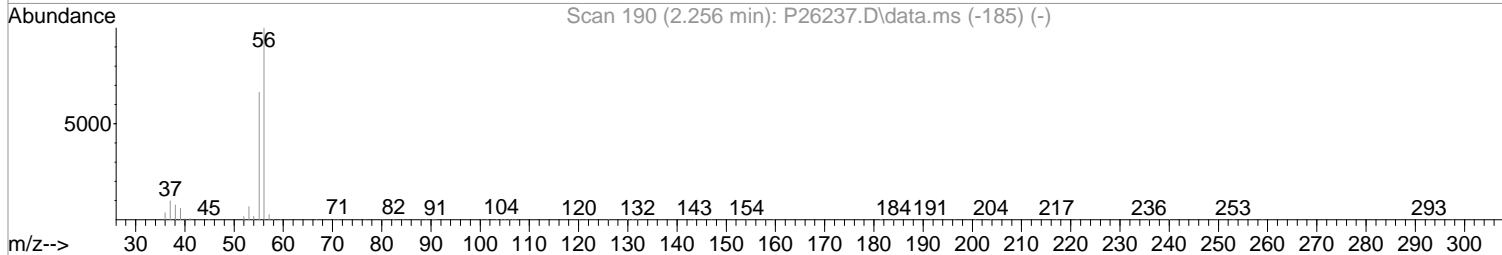
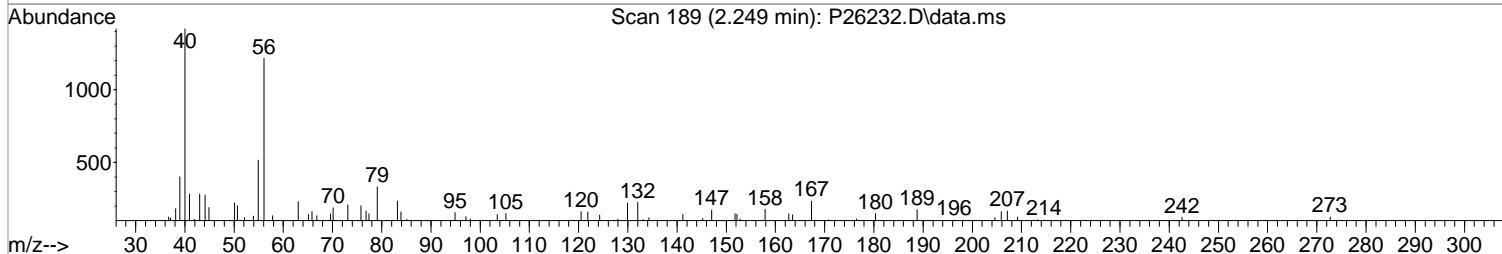
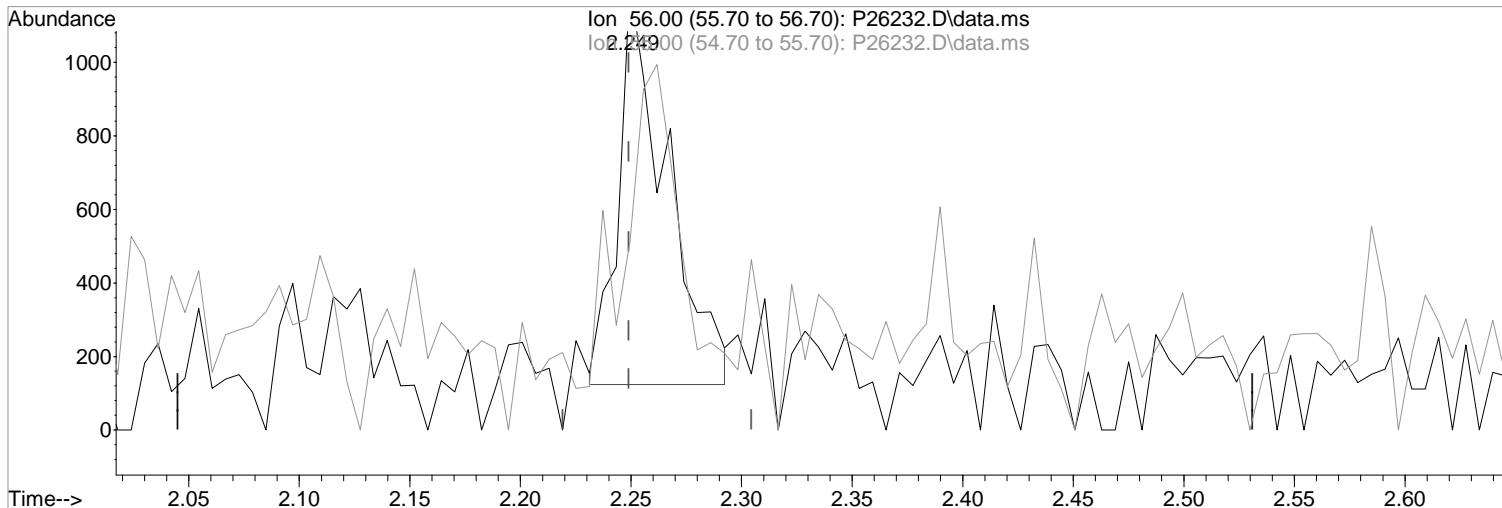
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.12
194.00	44.50	48.75
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein
2.249min (+0.000) 2.49 ppb m
response 1641

Manual Integration:

After

Poor integration.

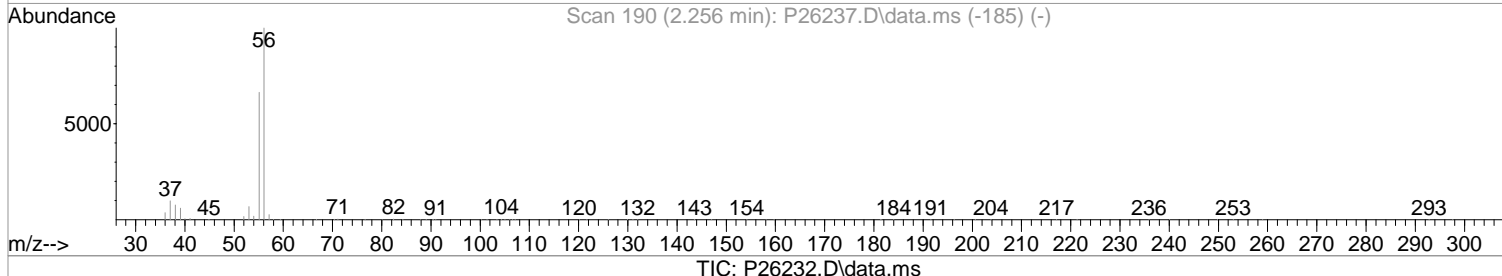
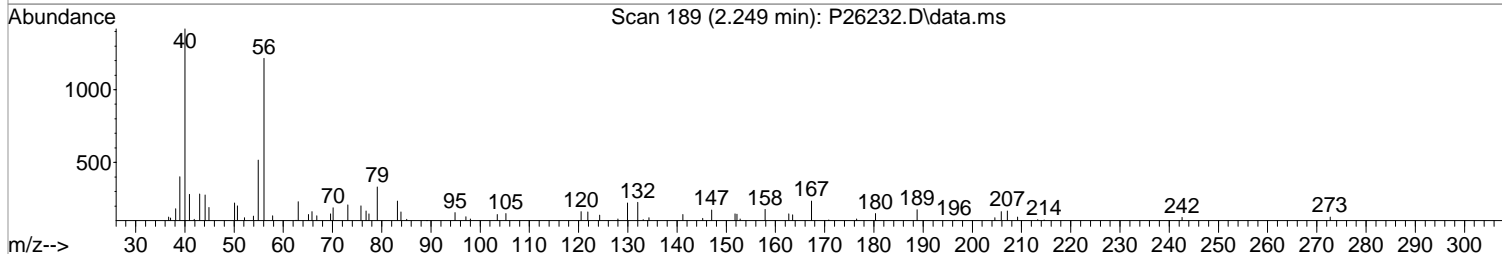
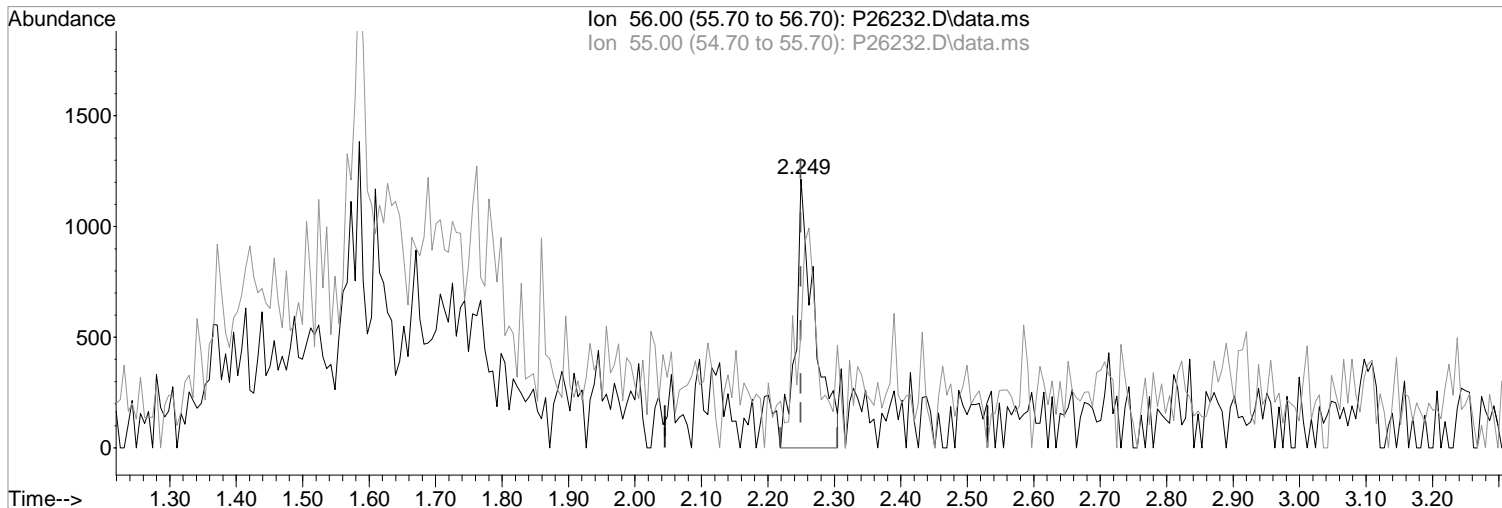
05/01/19

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein
2.249min (+0.000) 3.63 ppb
response 2390

Manual Integration:
Before

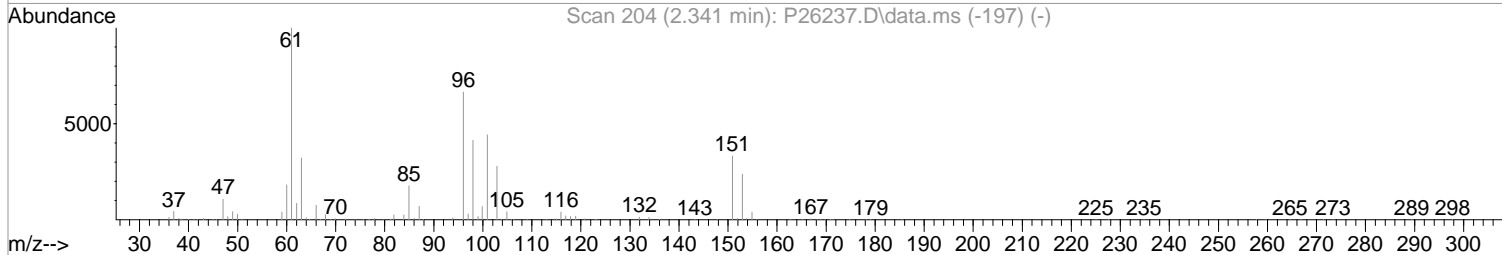
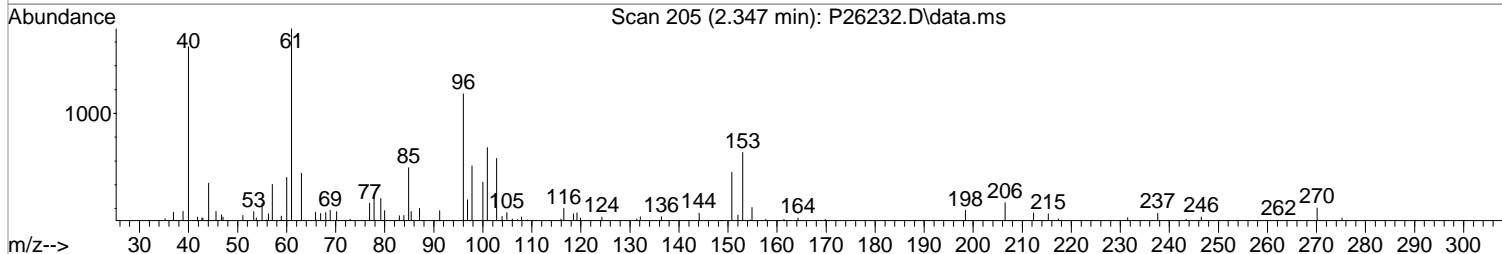
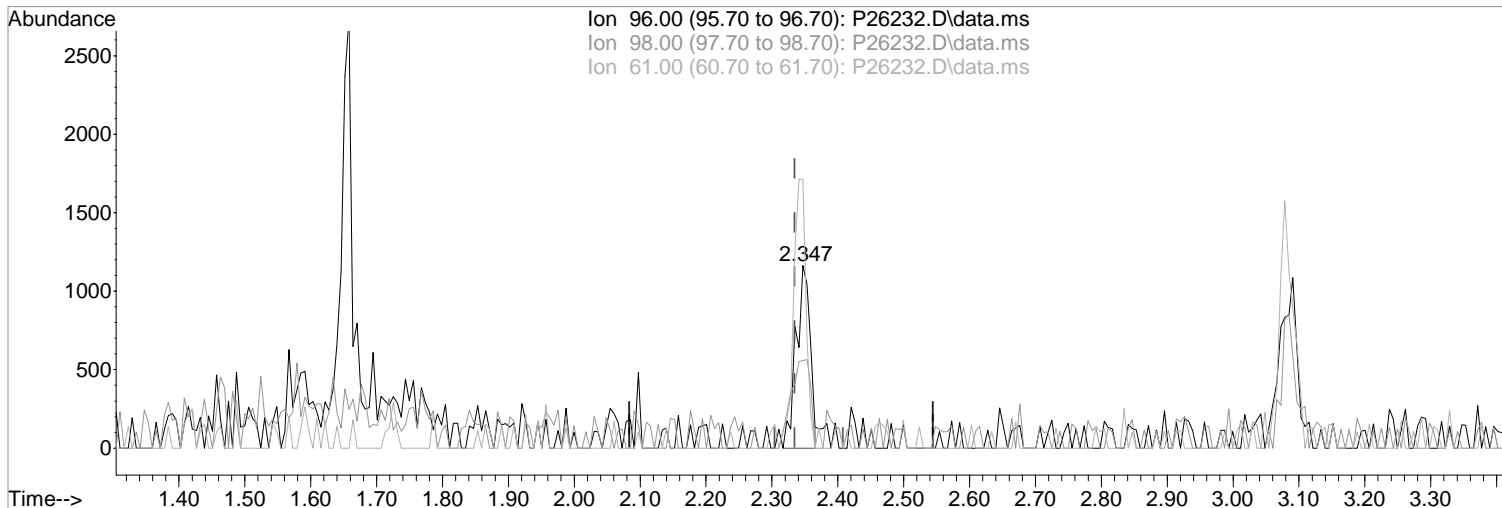
Ion	Exp%	Act%
56.00	100	100
55.00	67.10	42.39#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(13) 1,1-Dicethylene (P)
2.347min (+0.012) 0.56 ppb m
response 1716

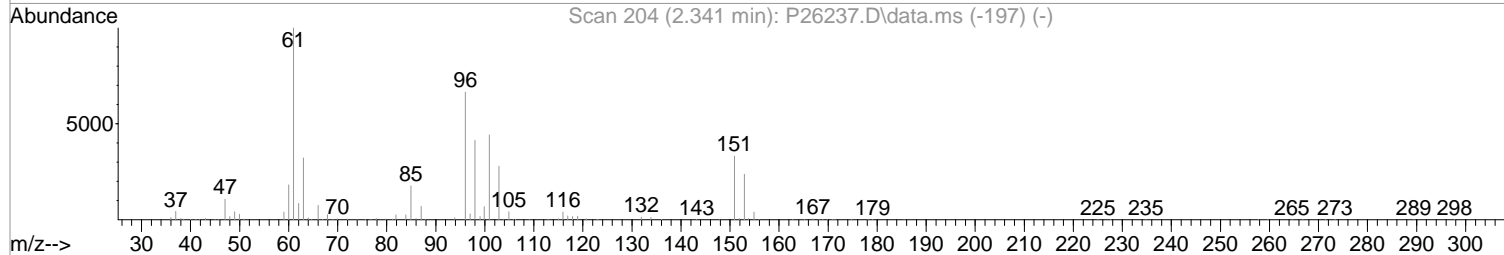
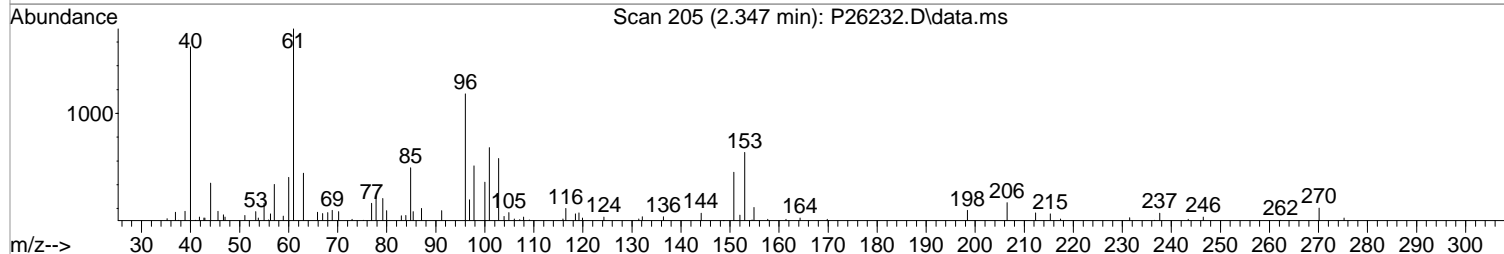
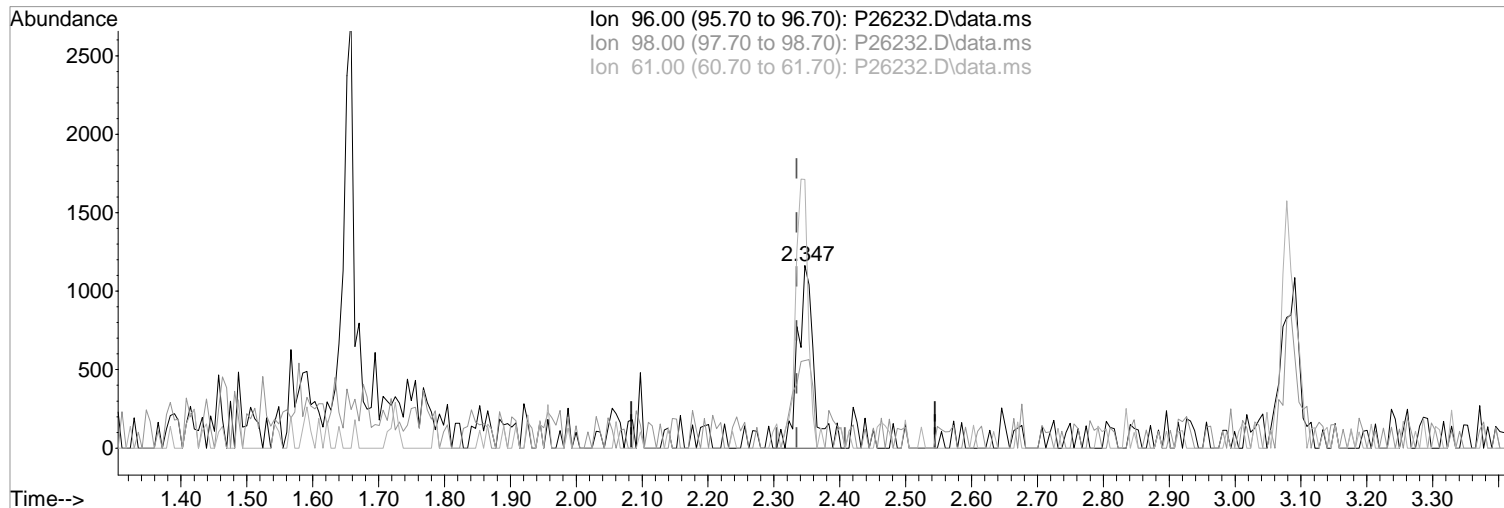
Manual Integration:
After
Poor integration.

Ion	Exp%	Act%
96.00	100	100
98.00	62.30	48.02
61.00	150.40	147.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



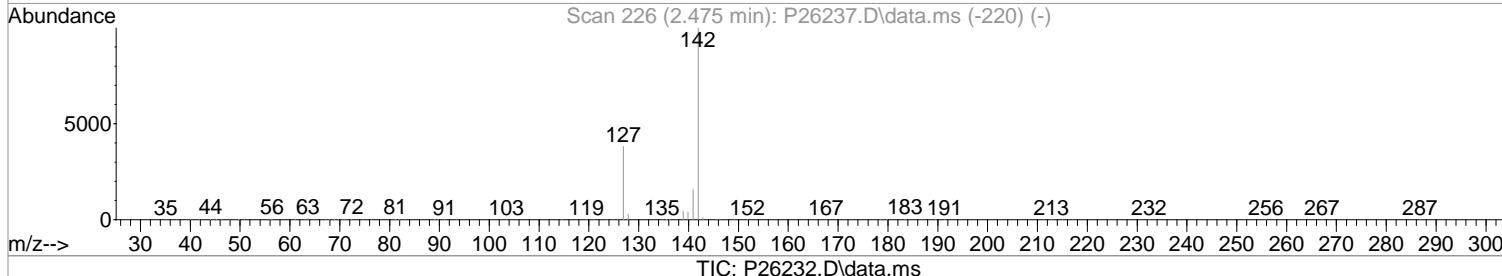
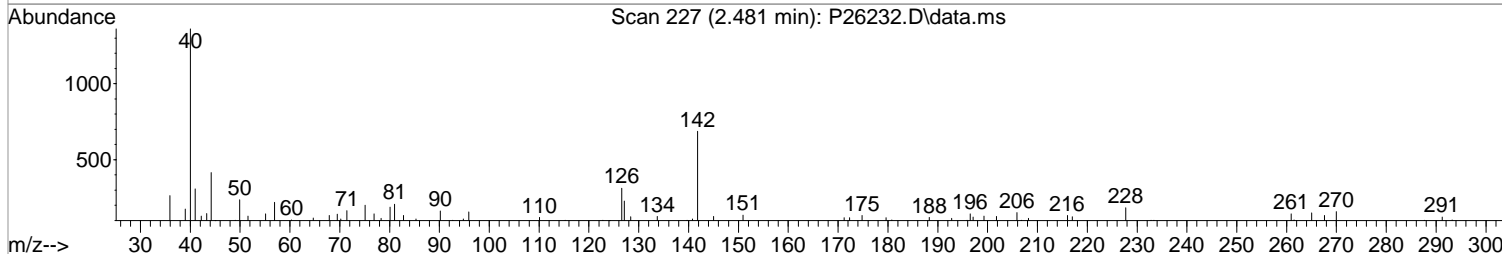
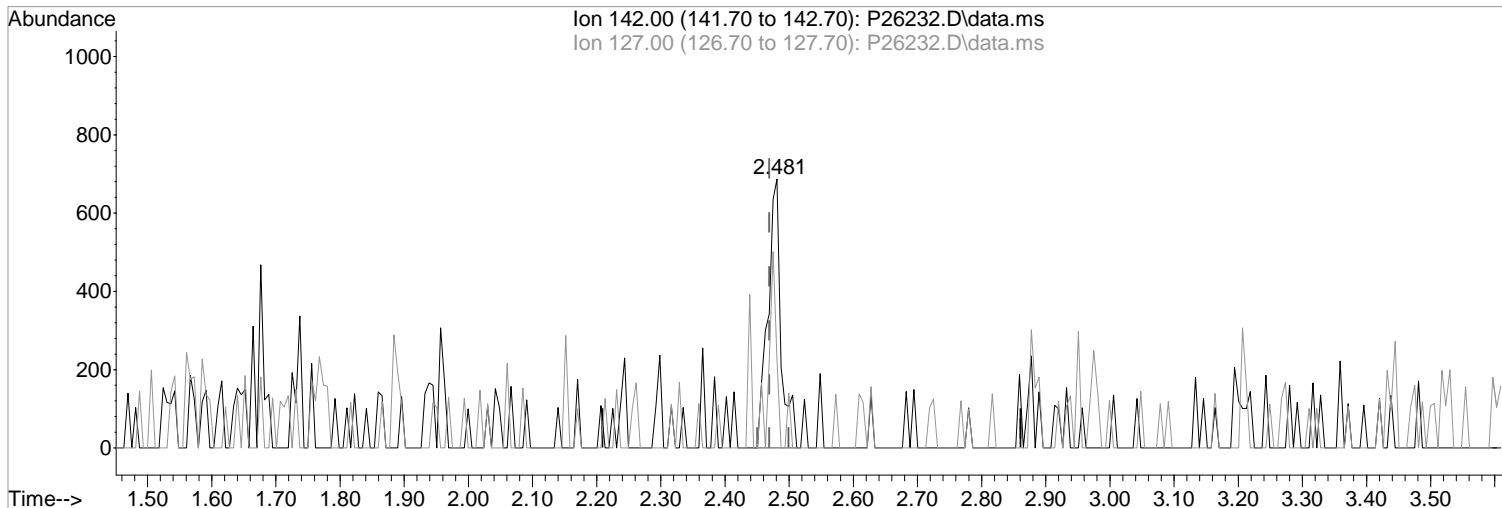
(13) 1,1-Dicethylene (P)
2.347min (+0.012) 0.65 ppb
response 1967
Ion Exp% Act%
96.00 100 100
98.00 62.30 48.02
61.00 150.40 147.08
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(17) Iodomethane
2.481min (+0.012) 0.29 ppb m
response 985

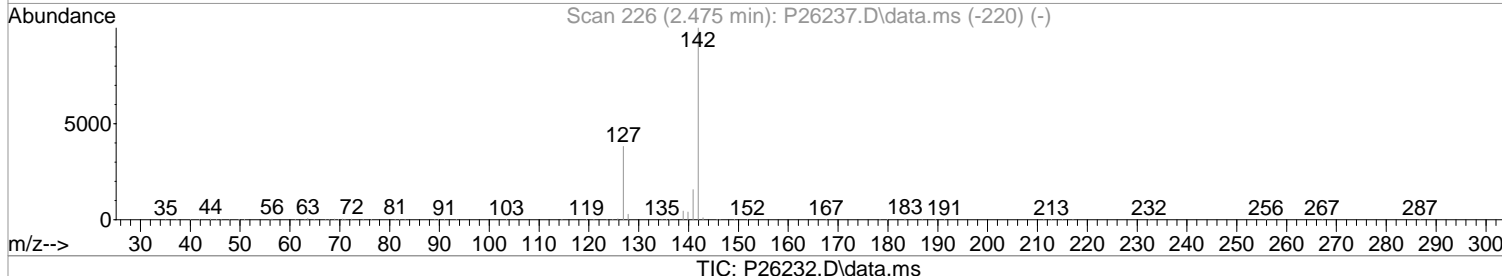
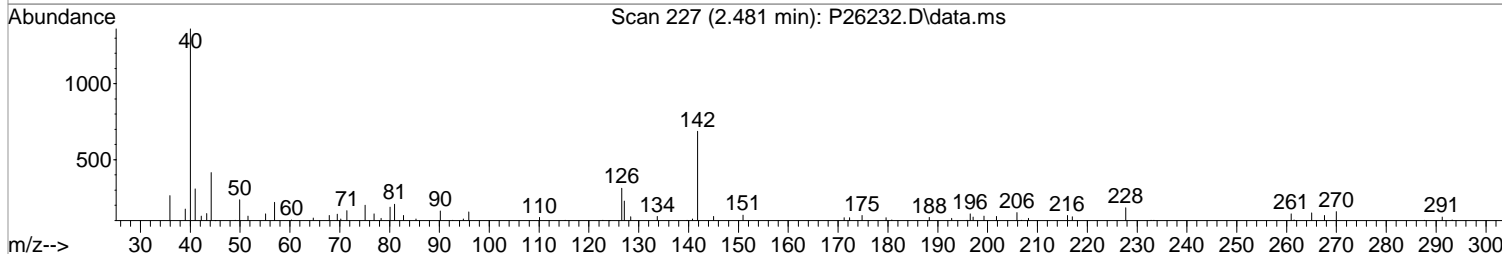
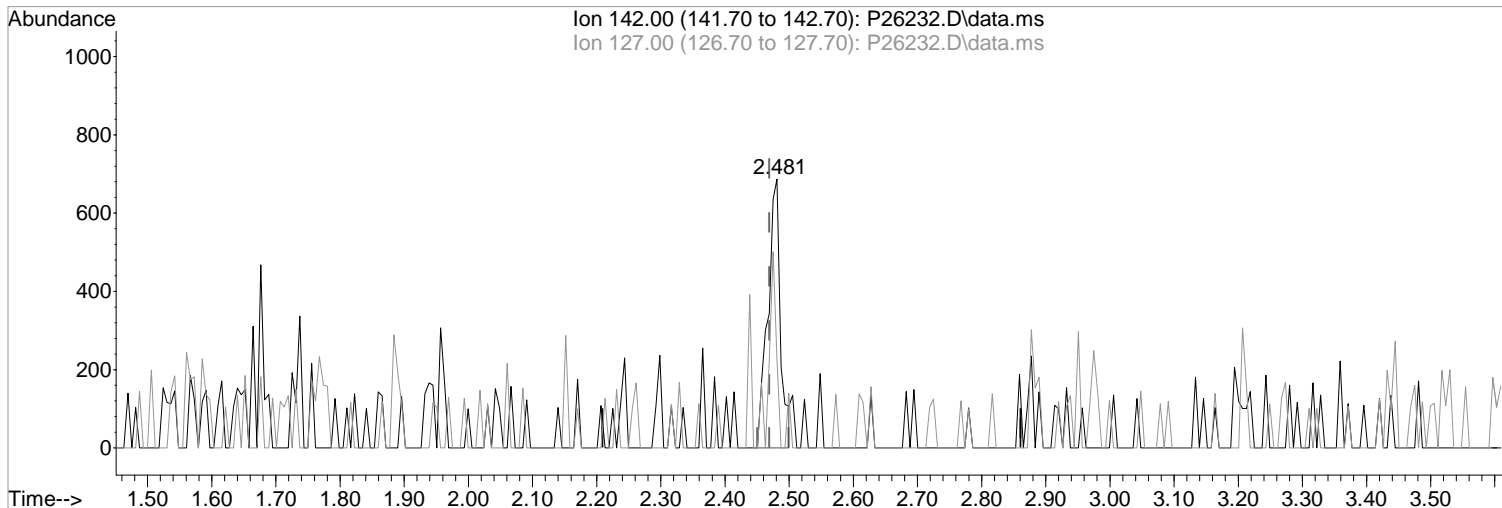
Manual Integration:
After
Poor integration.

Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1
Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(17) Iodomethane
2.481min (+0.012) 0.28 ppb
response 936

Manual Integration:

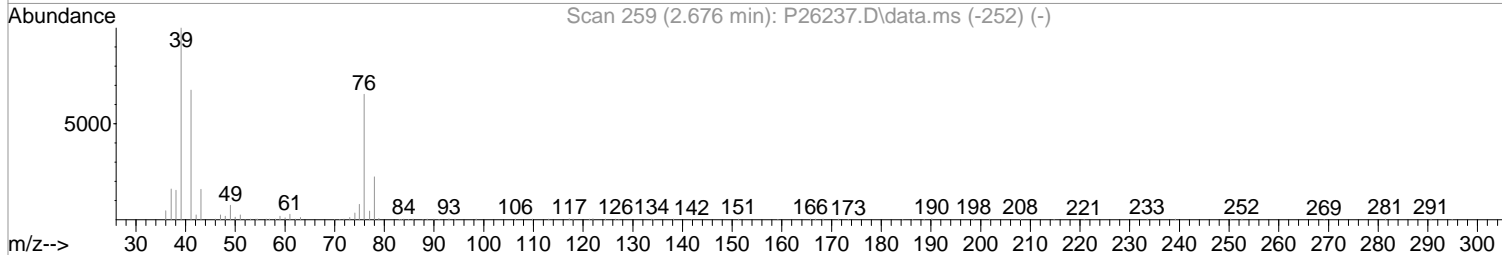
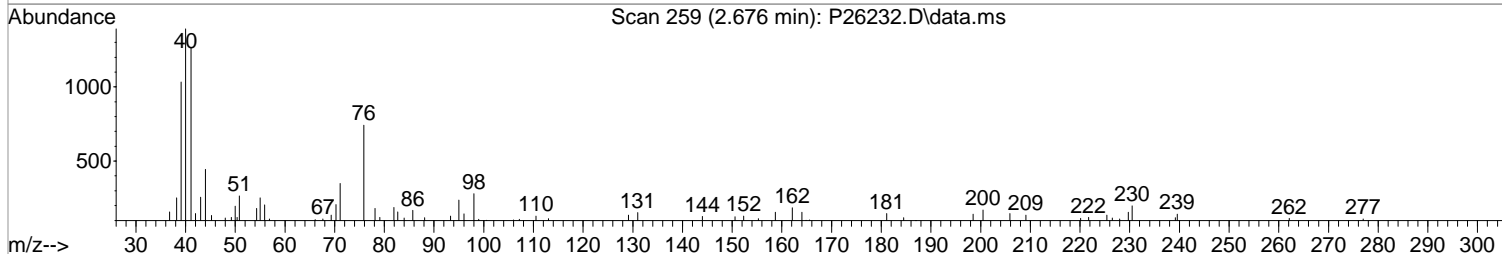
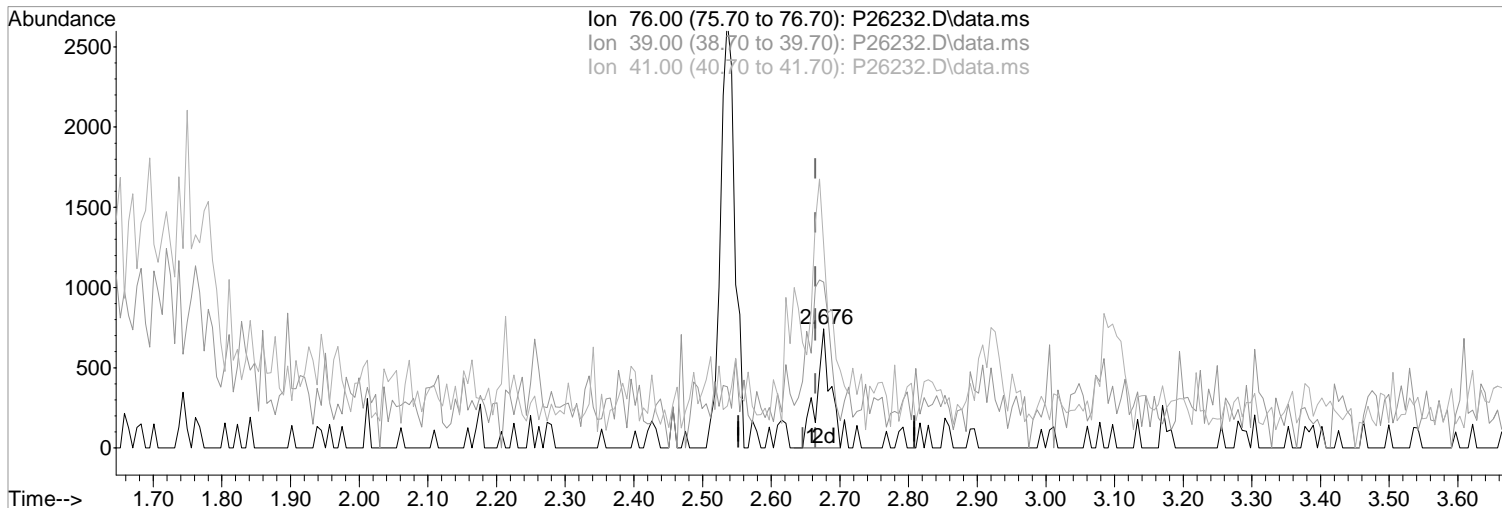
Before

Ion	Exp%	Act%
142.00	100	100
127.00	38.10	33.04
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1
 Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



(20) Allyl Chloride
 2.676min (+0.012) 0.65 ppb m
 response 1042

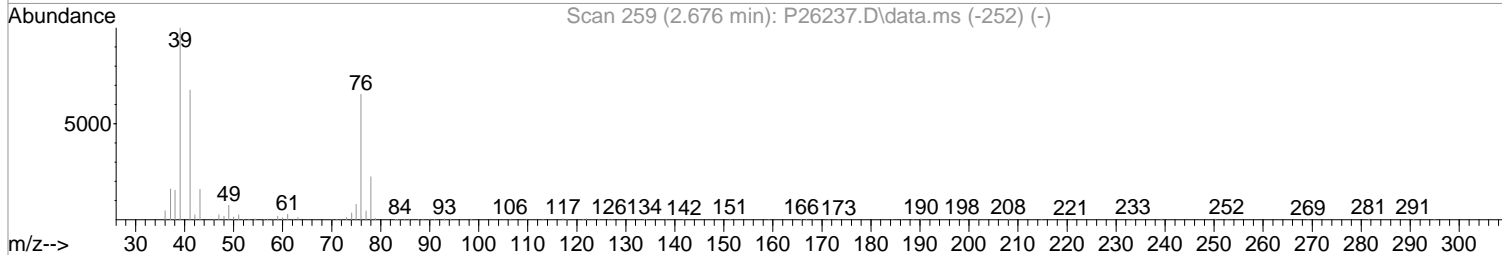
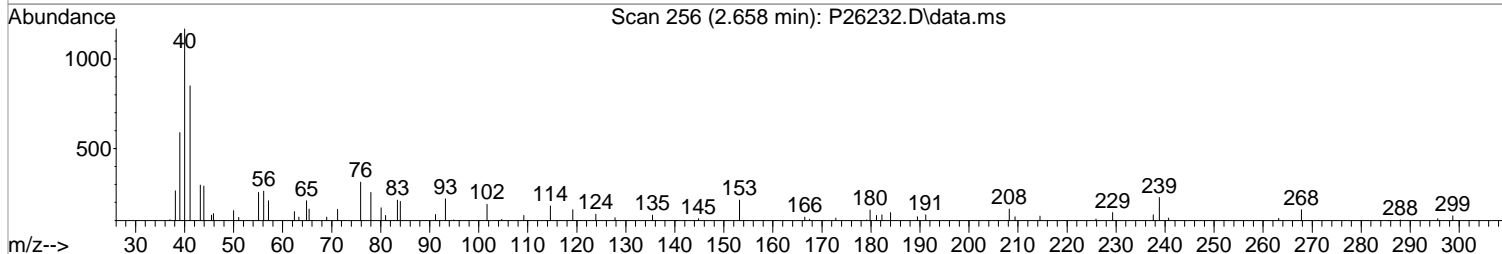
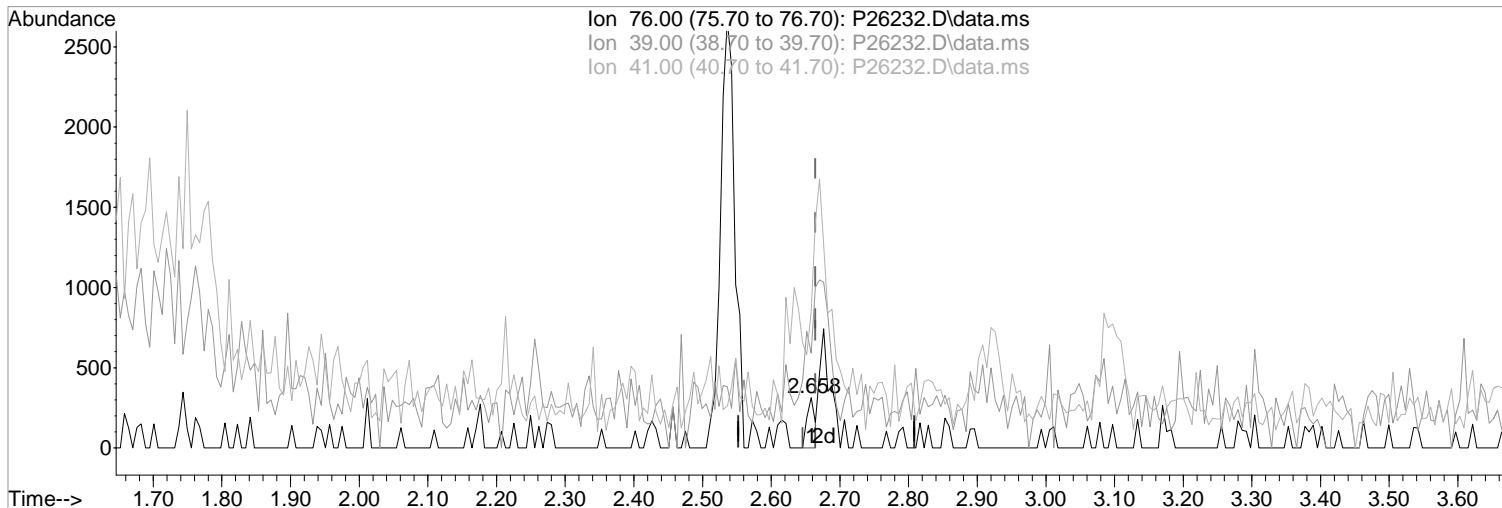
Ion	Exp%	Act%
76.00	100	100
39.00	179.40	139.22#
41.00	248.40	170.49#
0.00	0.00	0.00

Manual Integration:
 After
 Poor integration.
 05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(20) Allyl Chloride
2.658min (-0.006) 0.15 ppb
response 240
Ion Exp% Act%
76.00 100 100
39.00 179.40 188.50
41.00 248.40 271.88#
0.00 0.00 0.00

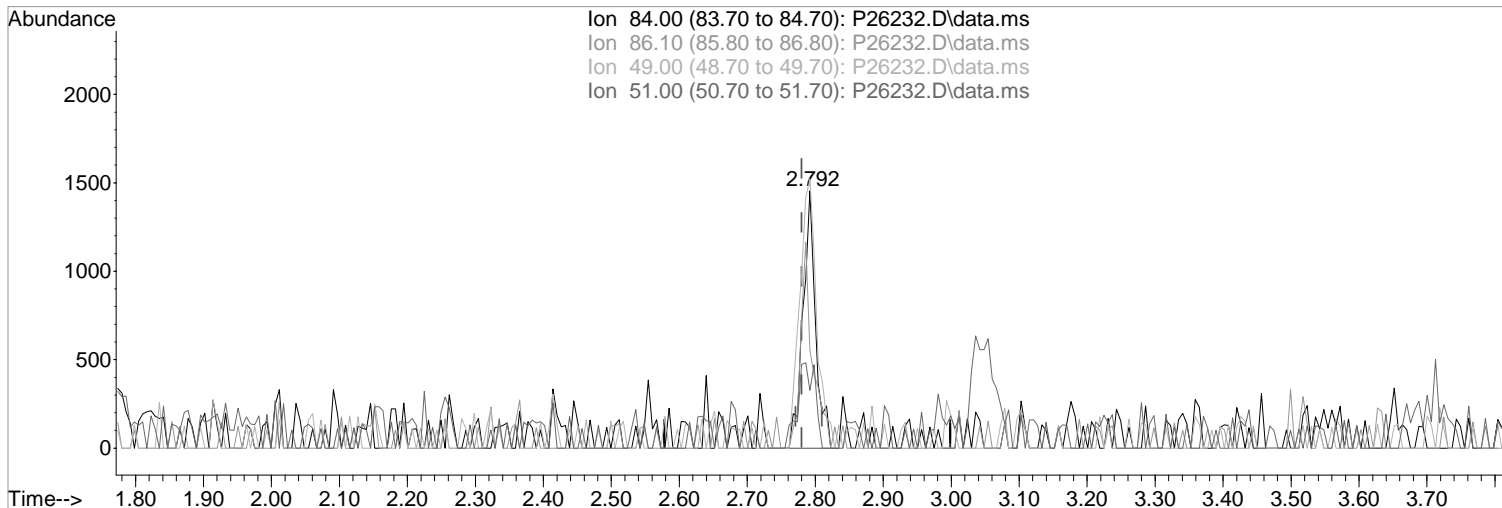
Manual Integration:
Before

05/01/19

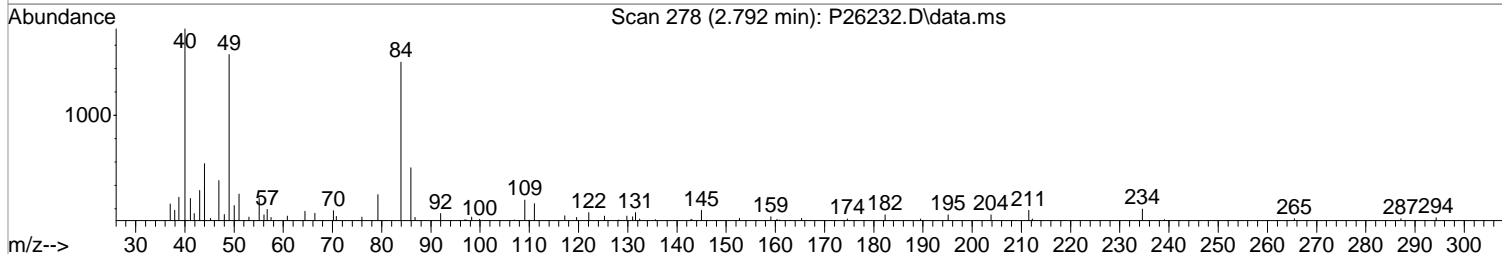
Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

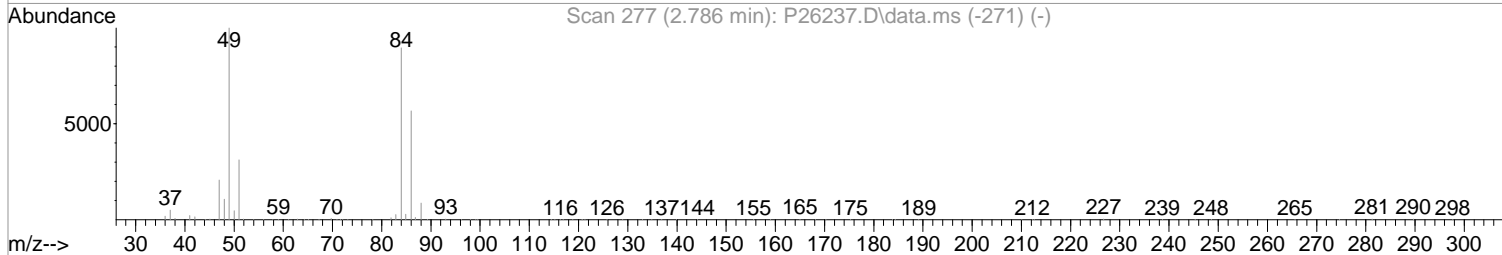
Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



Ion 84.00 (83.70 to 84.70): P26232.D\data.ms
Ion 86.10 (85.80 to 86.80): P26232.D\data.ms
Ion 49.00 (48.70 to 49.70): P26232.D\data.ms
Ion 51.00 (50.70 to 51.70): P26232.D\data.ms



Scan 278 (2.792 min): P26232.D\data.ms



Scan 277 (2.786 min): P26237.D\data.ms (-271) (-)

TIC: P26232.D\data.ms

(22) Methylene Chloride (P)
2.792min (+0.012) 0.56 ppb m
response 1891

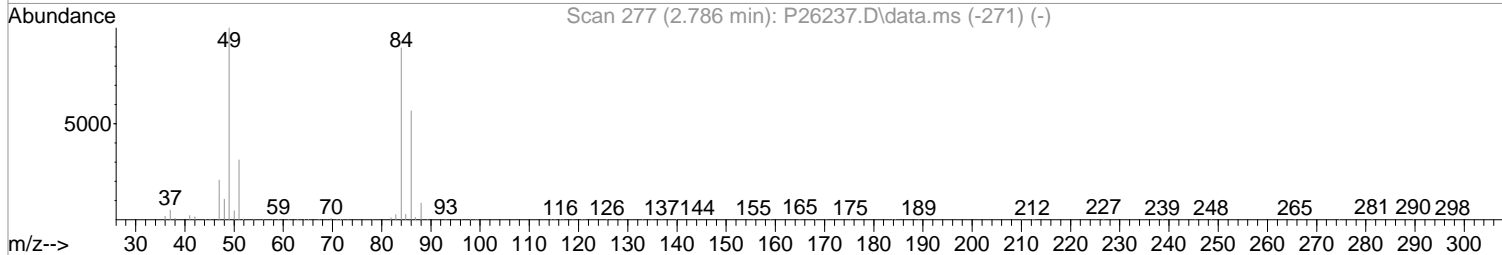
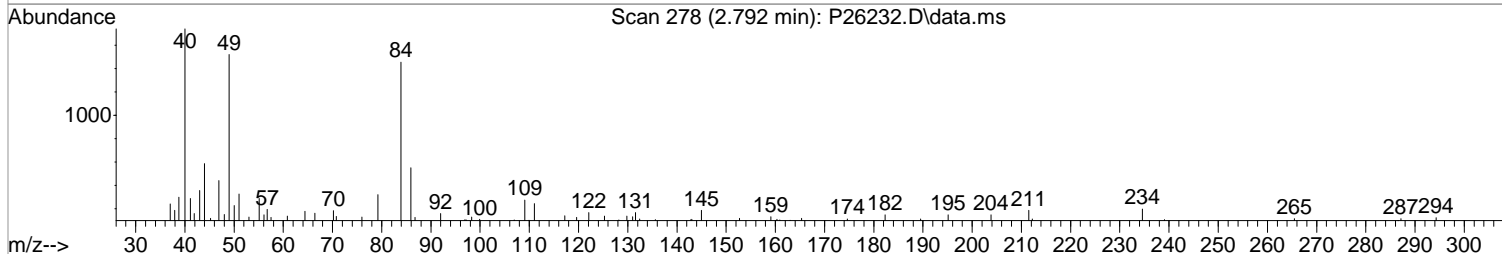
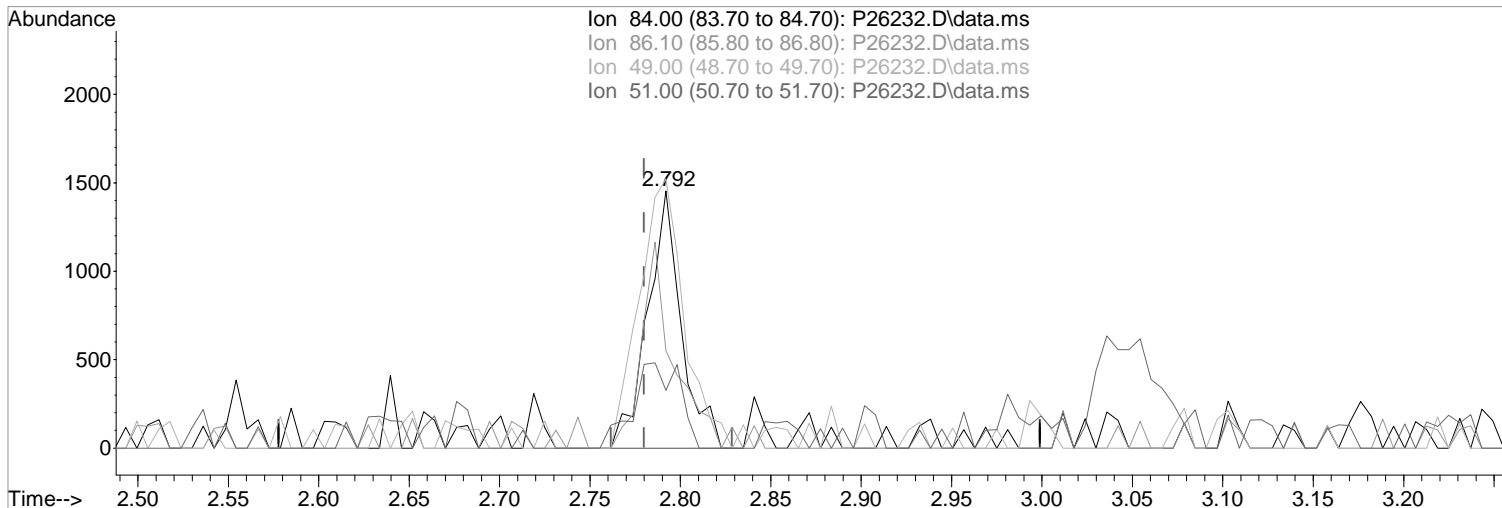
Manual Integration:
After
Other - del by mistake
05/01/19

Ion	Exp%	Act%
84.00	100	100
86.10	63.30	37.90#
49.00	112.00	104.61
51.00	34.80	22.42

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(22) Methylene Chloride (P)

Manual Integration:

2.792min (+0.012) 0.56 ppb

Before

response 1891

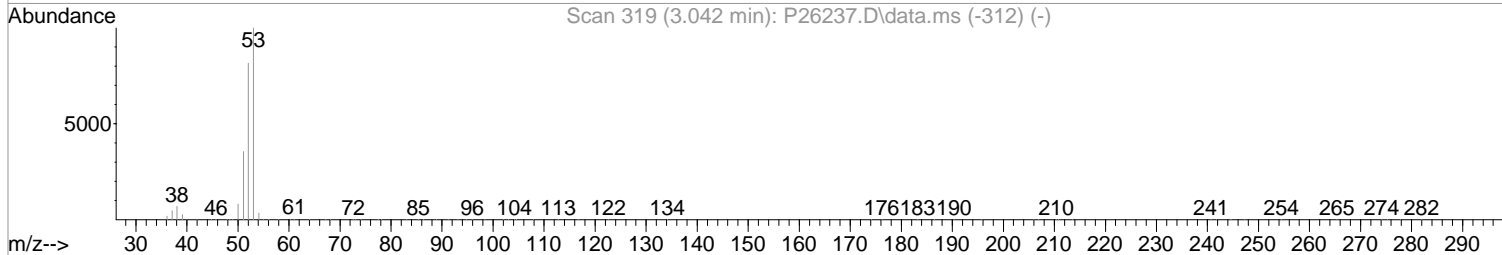
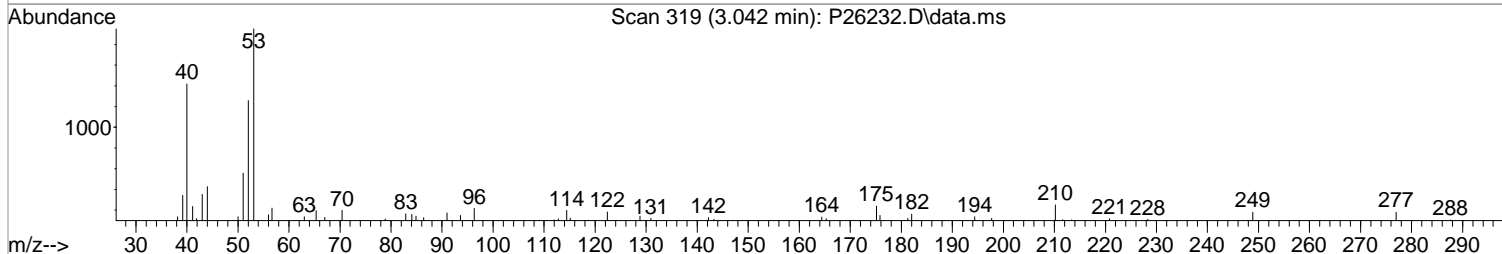
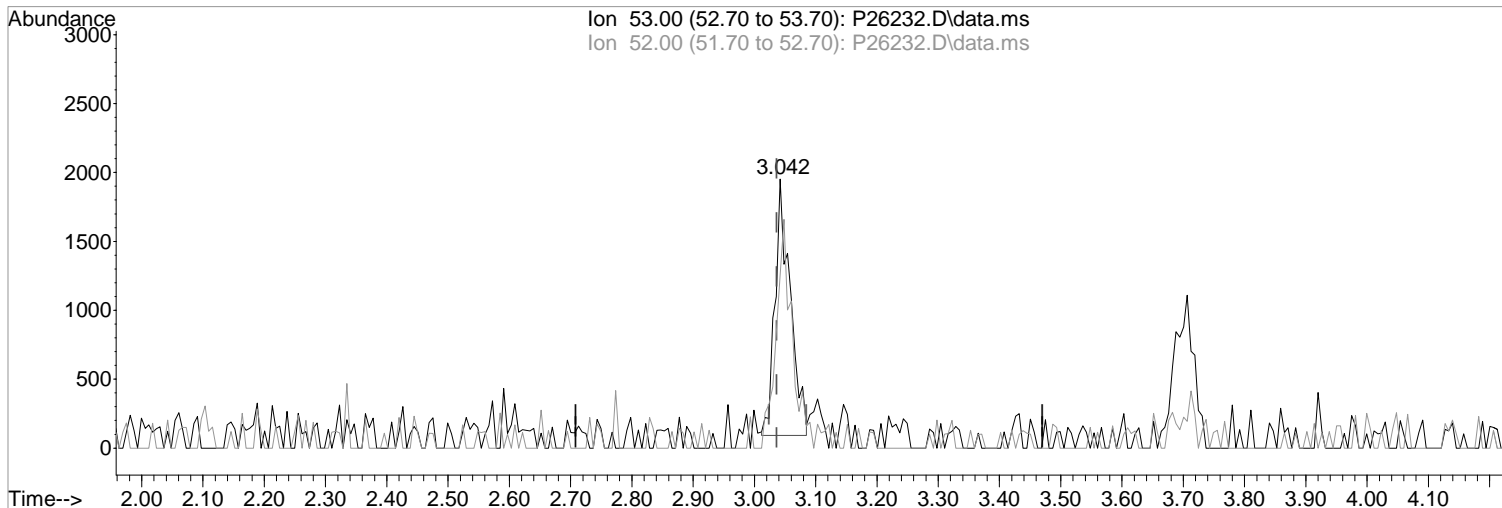
Ion	Exp%	Act%
84.00	100	100
86.10	63.30	46.70
49.00	112.00	104.61
51.00	34.80	22.42

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



(24) Acrylonitrile
 3.042min (+0.006) 2.02 ppb m
 response 3216

Manual Integration:
 After
 Poor integration.

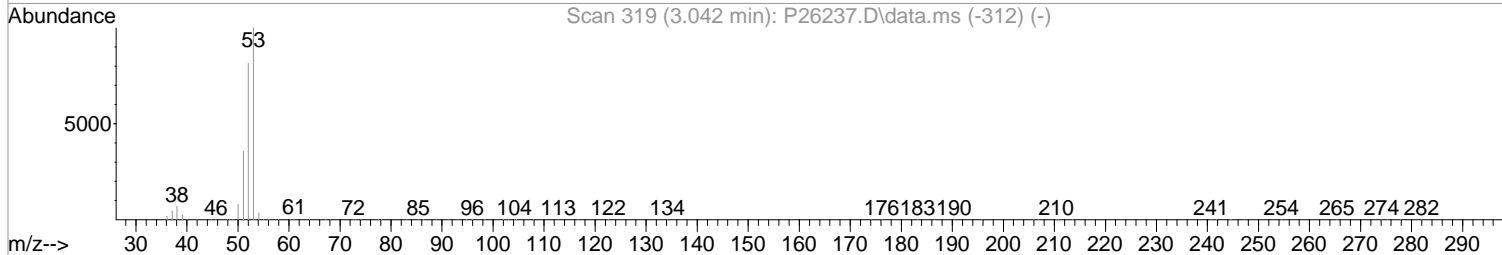
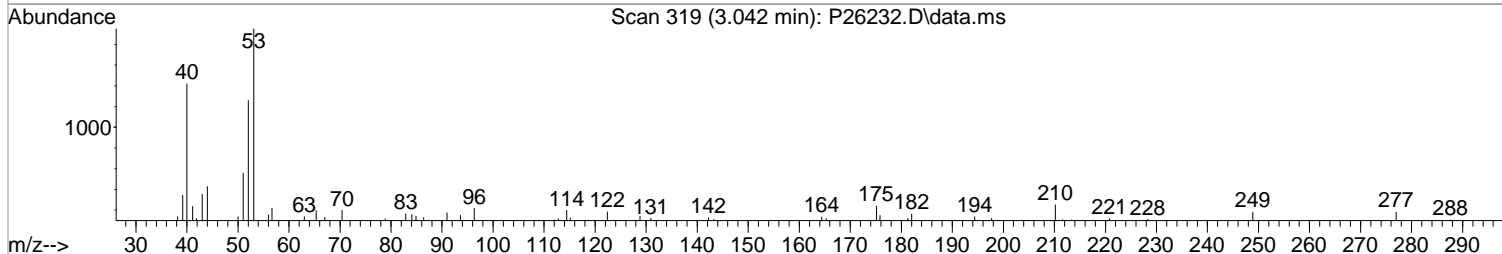
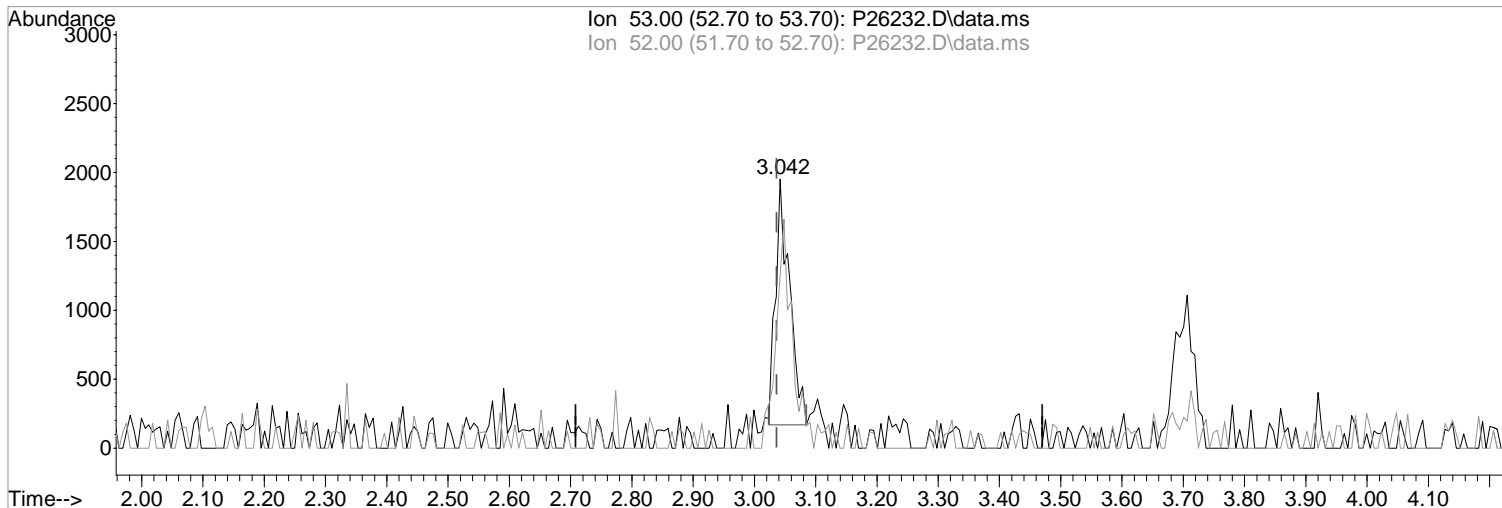
Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(24) Acrylonitrile
3.042min (+0.006) 1.78 ppb
response 2847

Manual Integration:
Before

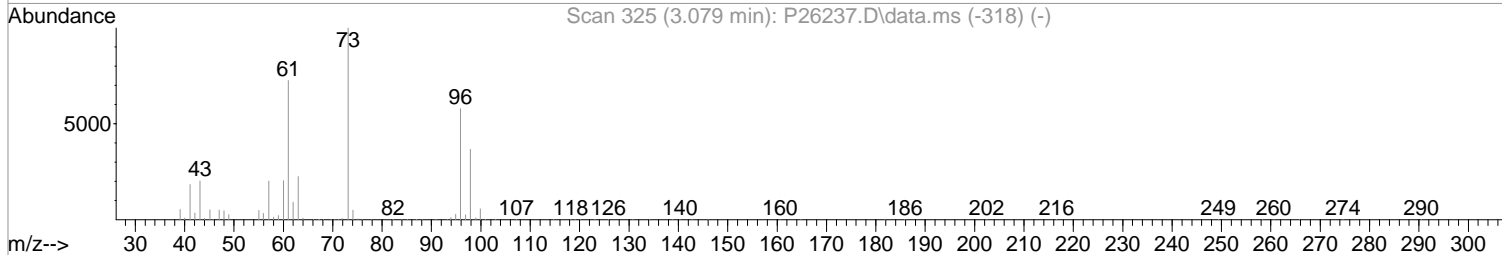
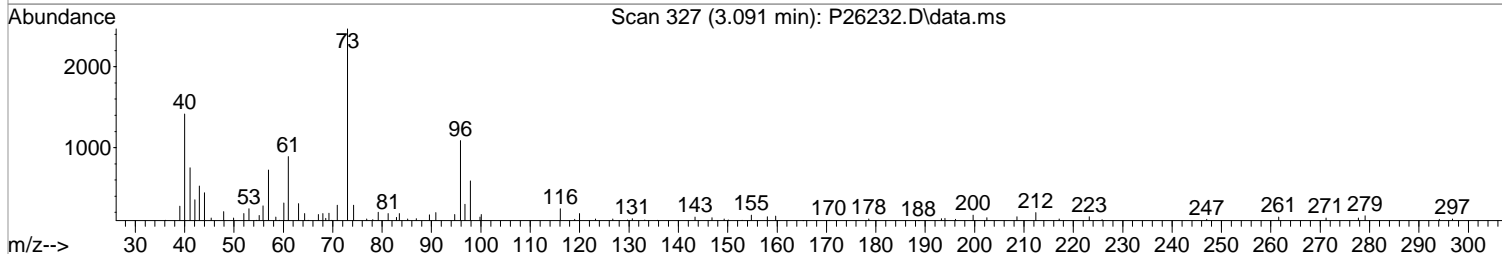
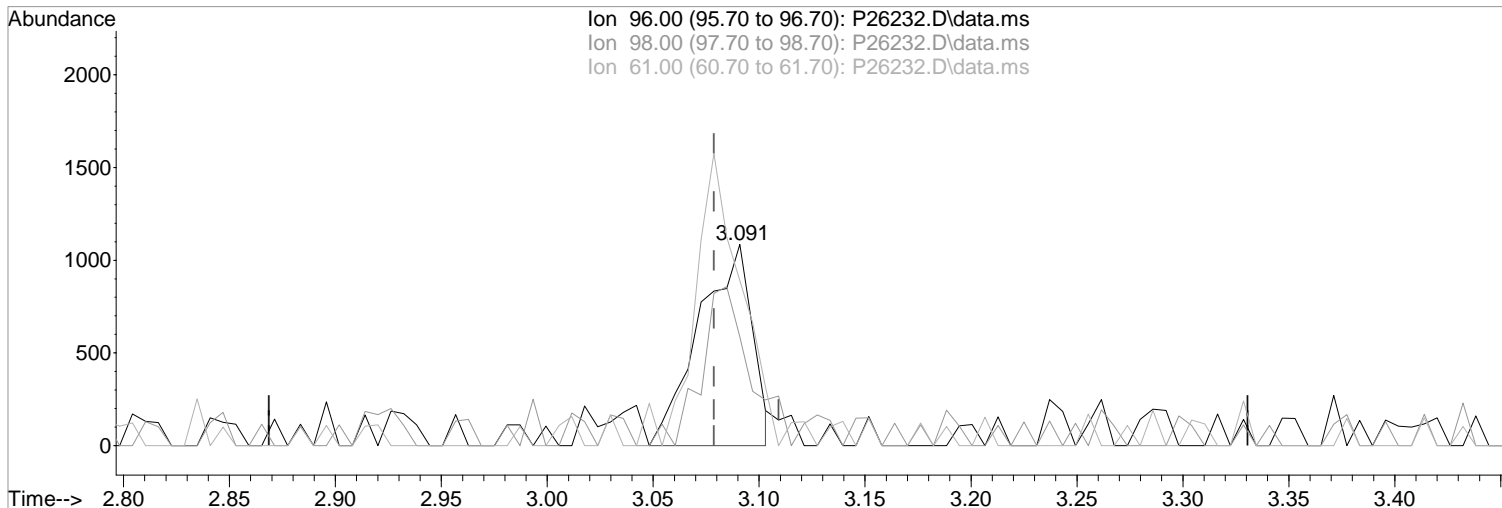
Ion	Exp%	Act%
53.00	100	100
52.00	81.50	64.40#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

3.091min (+0.012) 0.57 ppb m

response 1895

Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

Manual Integration:

After

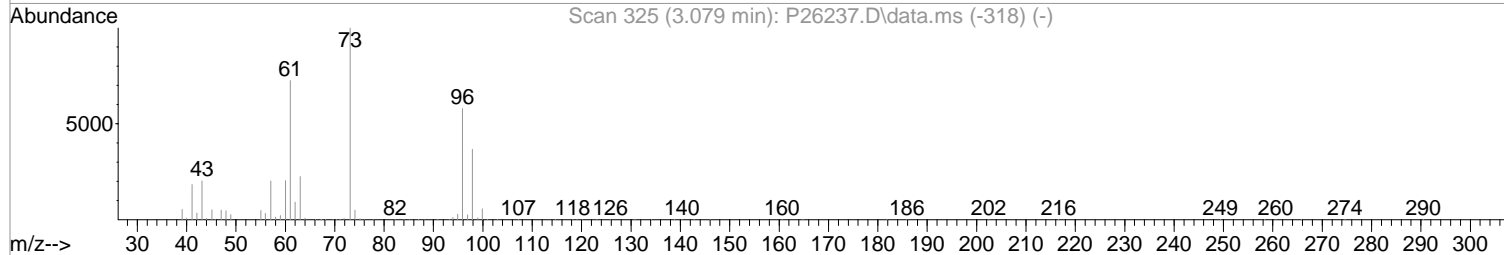
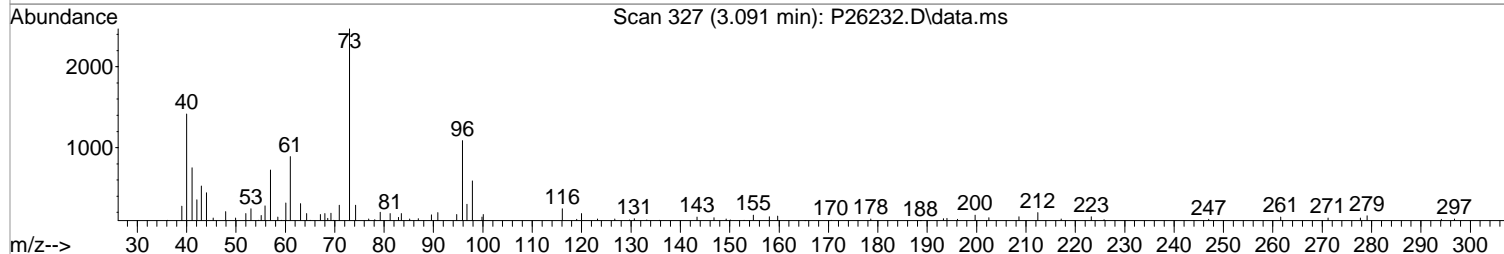
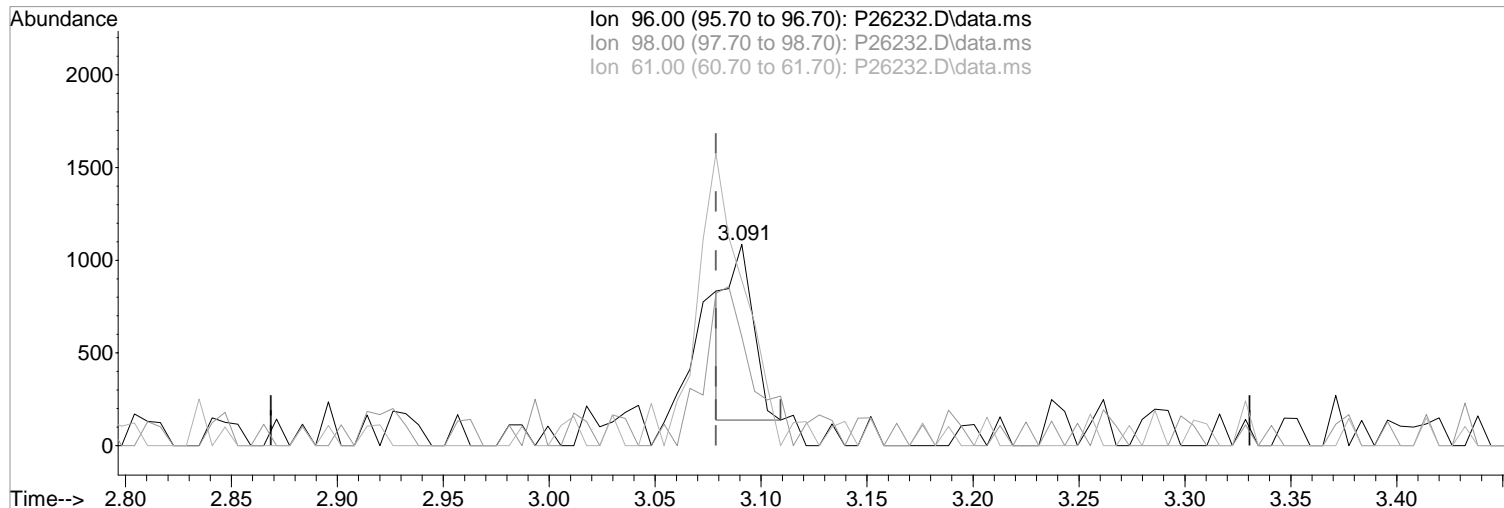
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(26) trans-1,2-Dichloroethene (P)

Manual Integration:

3.091min (+0.012) 0.24 ppb

Before

response 804

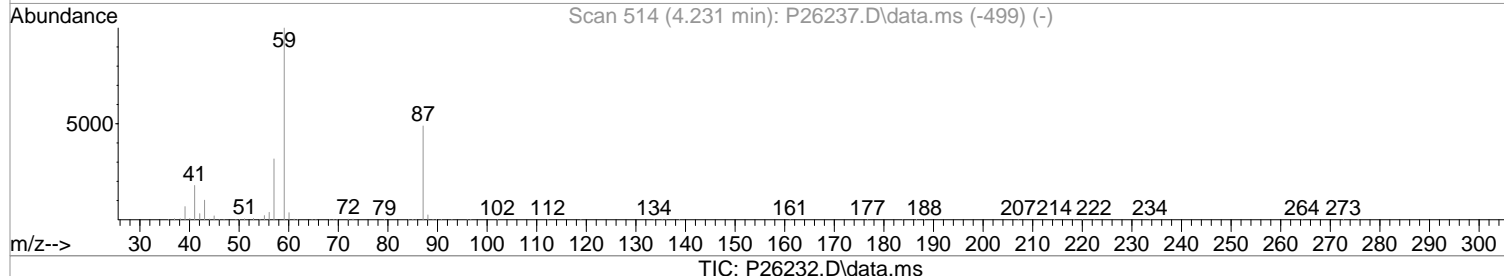
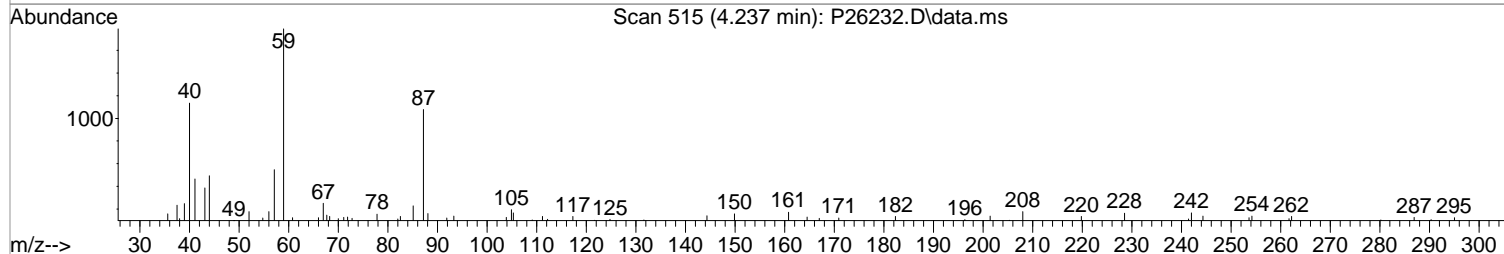
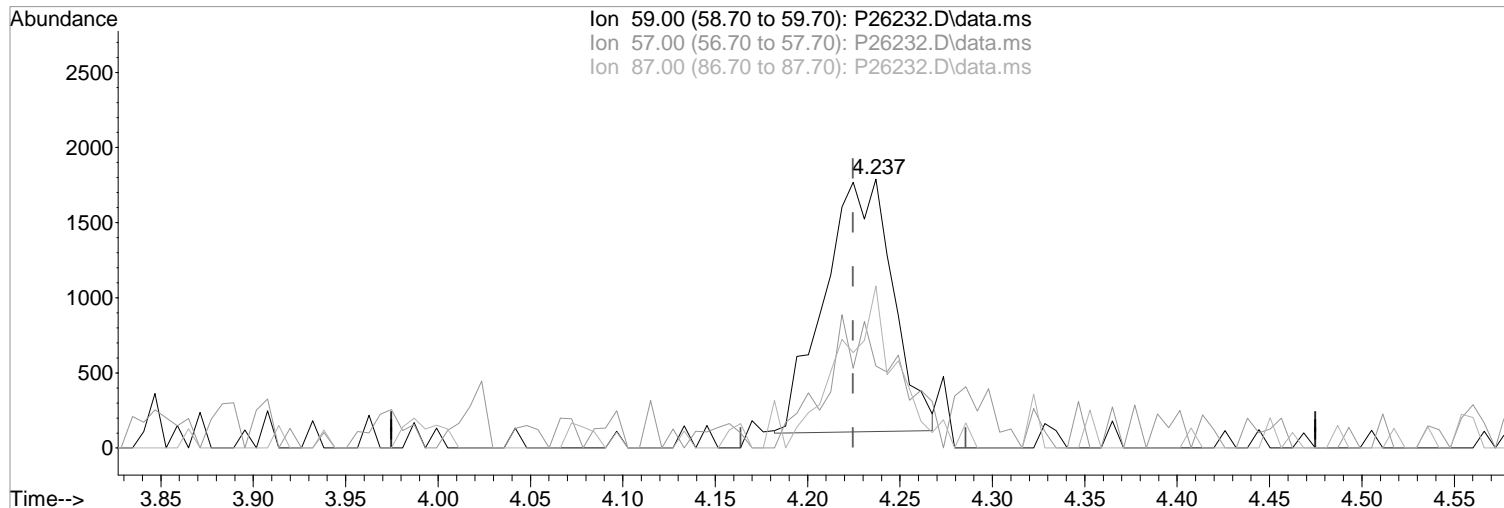
Ion	Exp%	Act%
96.00	100	100
98.00	63.40	54.05
61.00	125.20	81.95#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(32) ETBE

4.237min (+0.012) 0.46 ppb m

response 4310

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

After

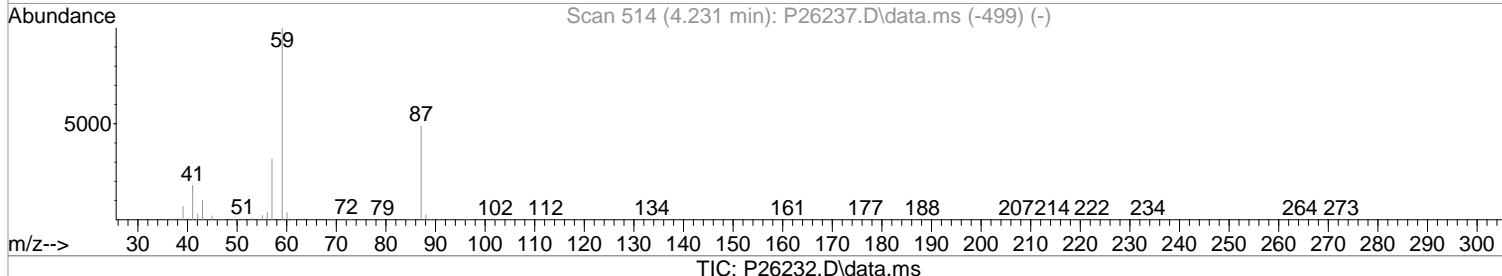
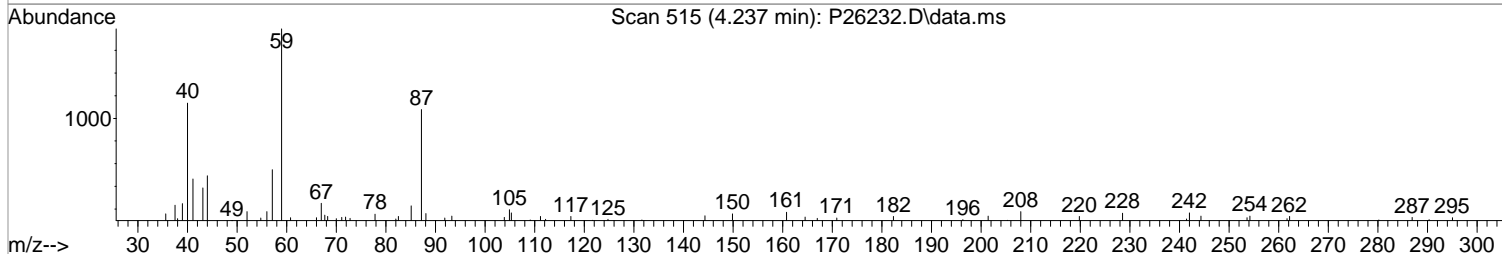
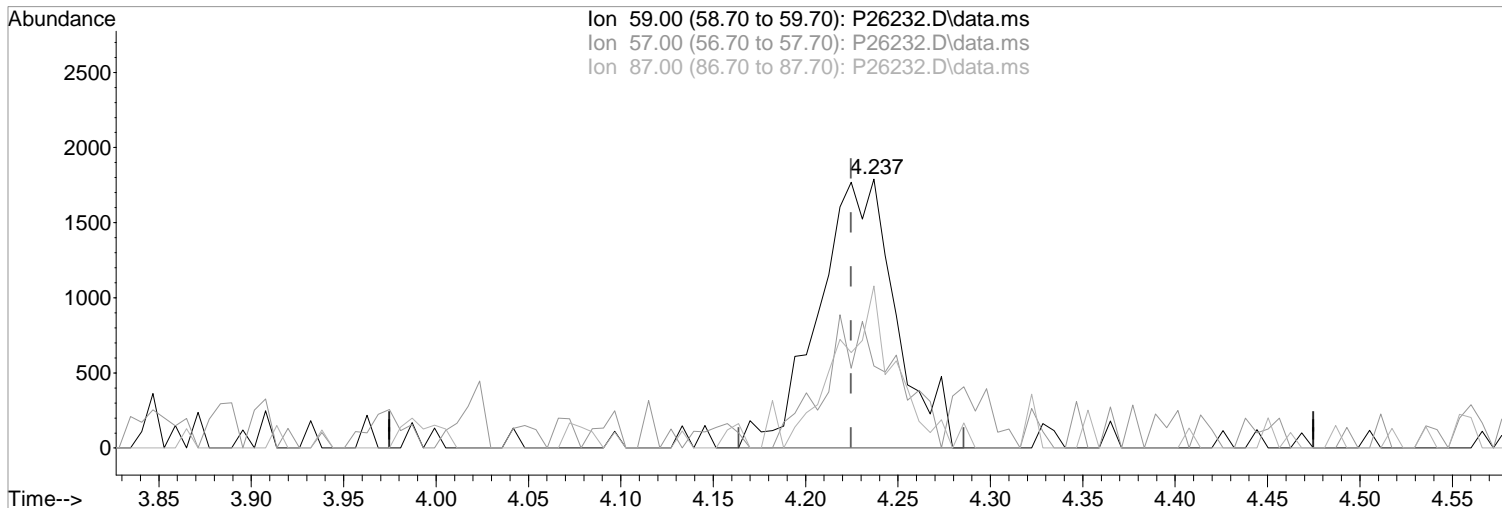
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(32) ETBE

4.237min (+0.012) 0.55 ppb

response 5183

Ion	Exp%	Act%
59.00	100	100
57.00	31.90	30.56
87.00	48.90	60.28
0.00	0.00	0.00

Manual Integration:

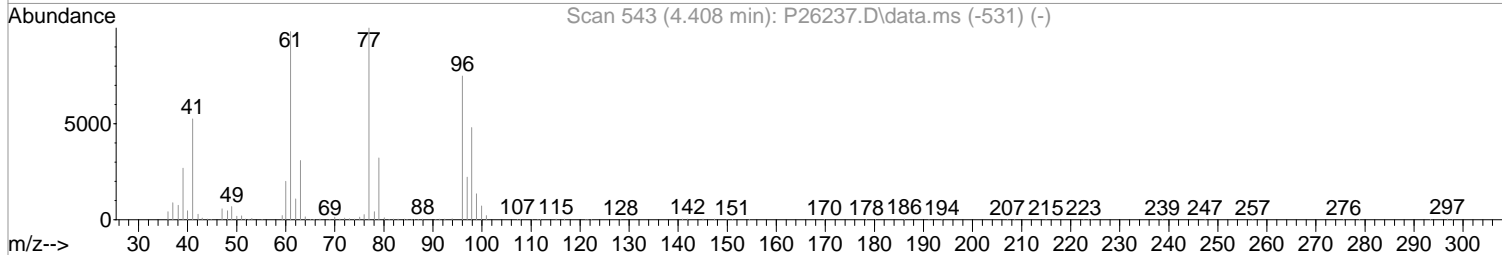
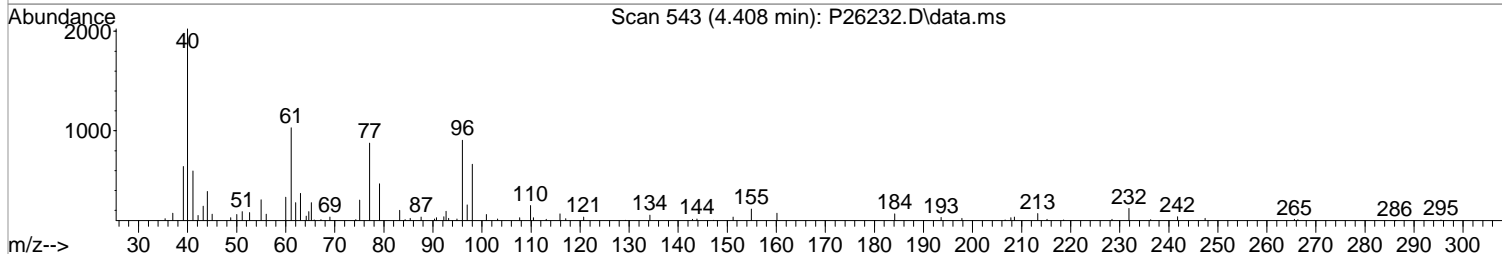
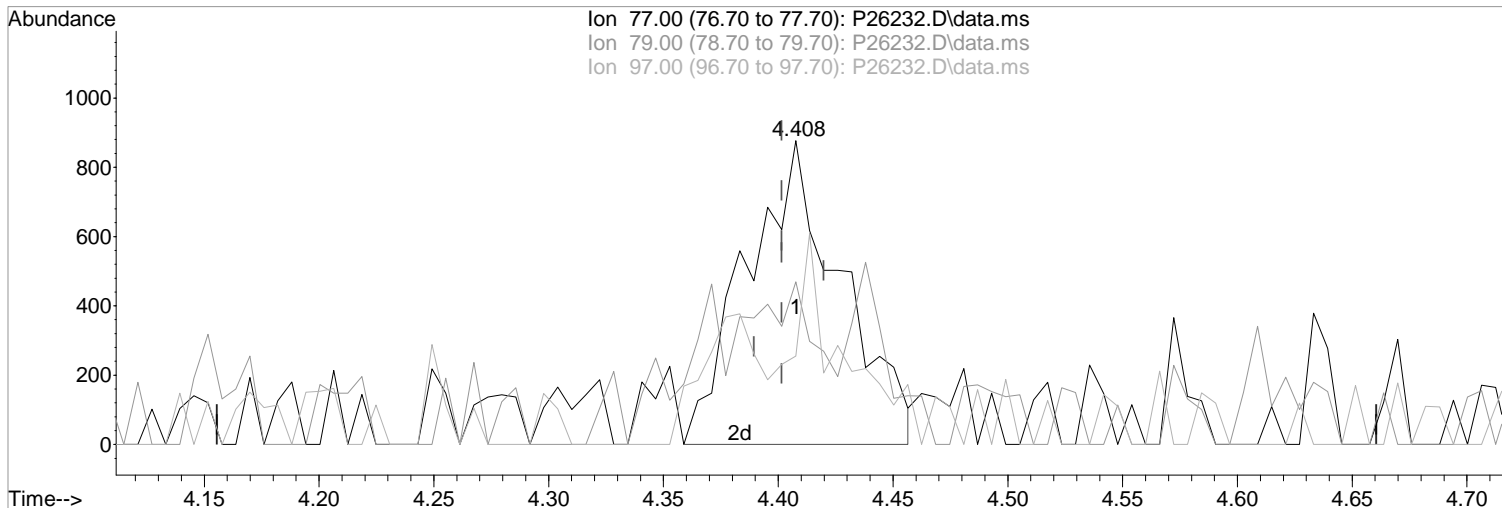
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(33) 2,2-Dichloropropane
4.408min (+0.006) 0.50 ppb m
response 2501

Manual Integration:
After
Poor integration.

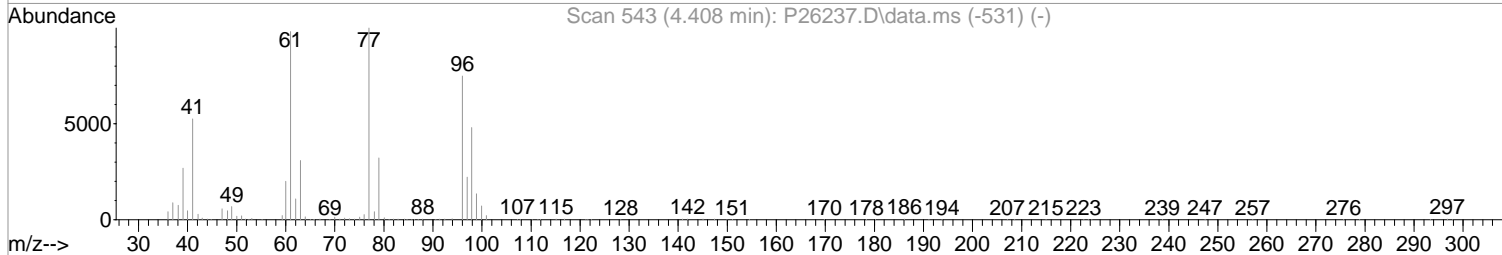
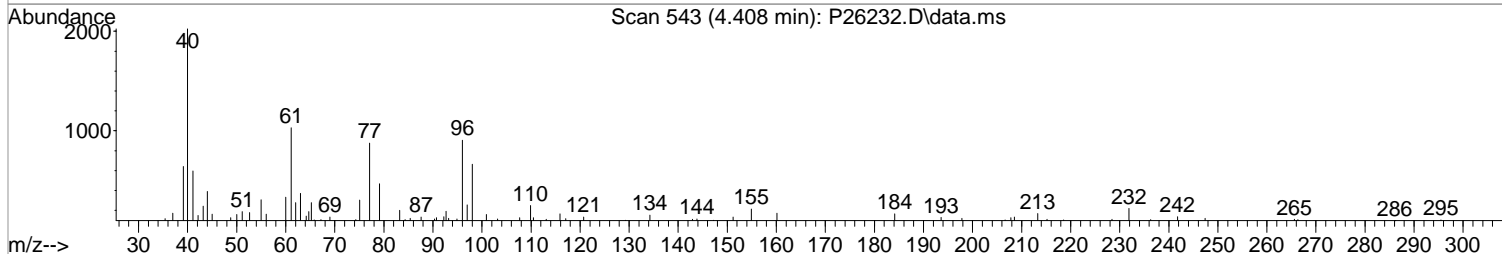
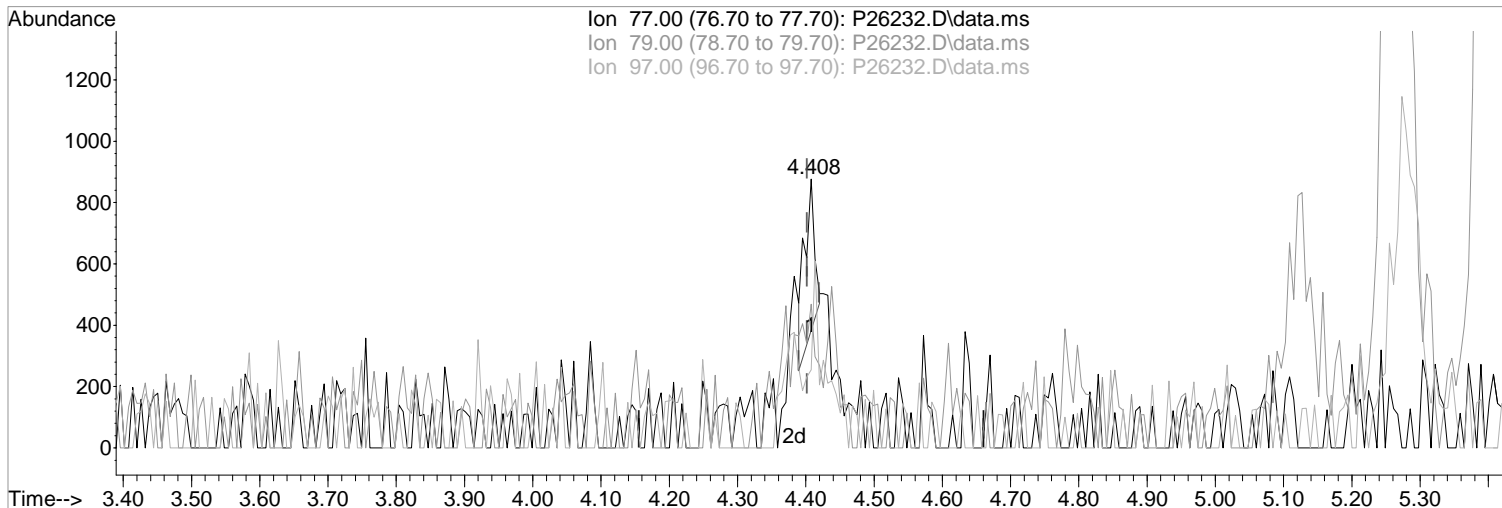
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(33) 2,2-Dichloropropane
4.408min (+0.006) 0.11 ppb
response 546

Manual Integration:
Before

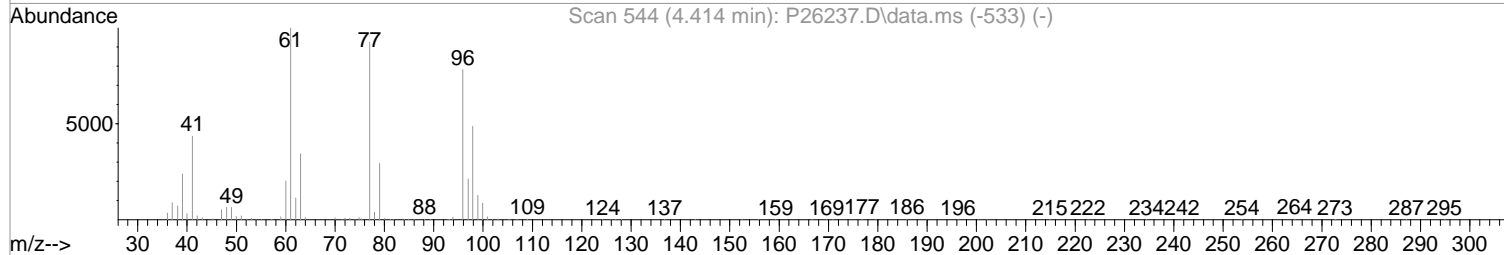
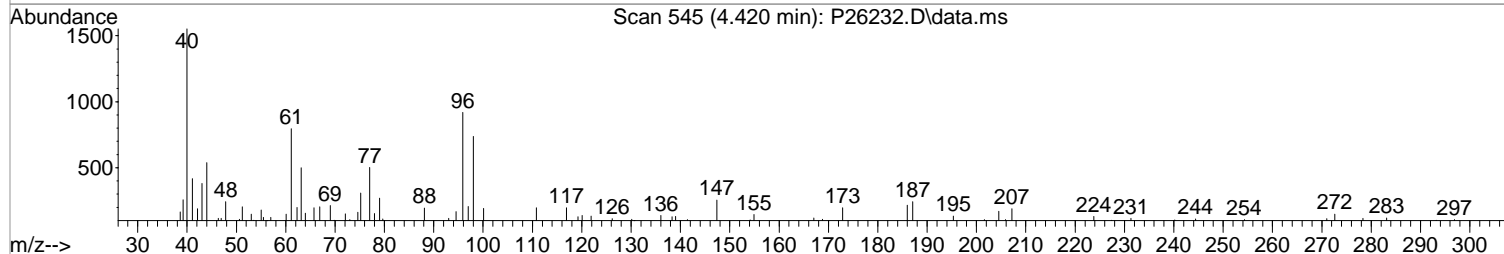
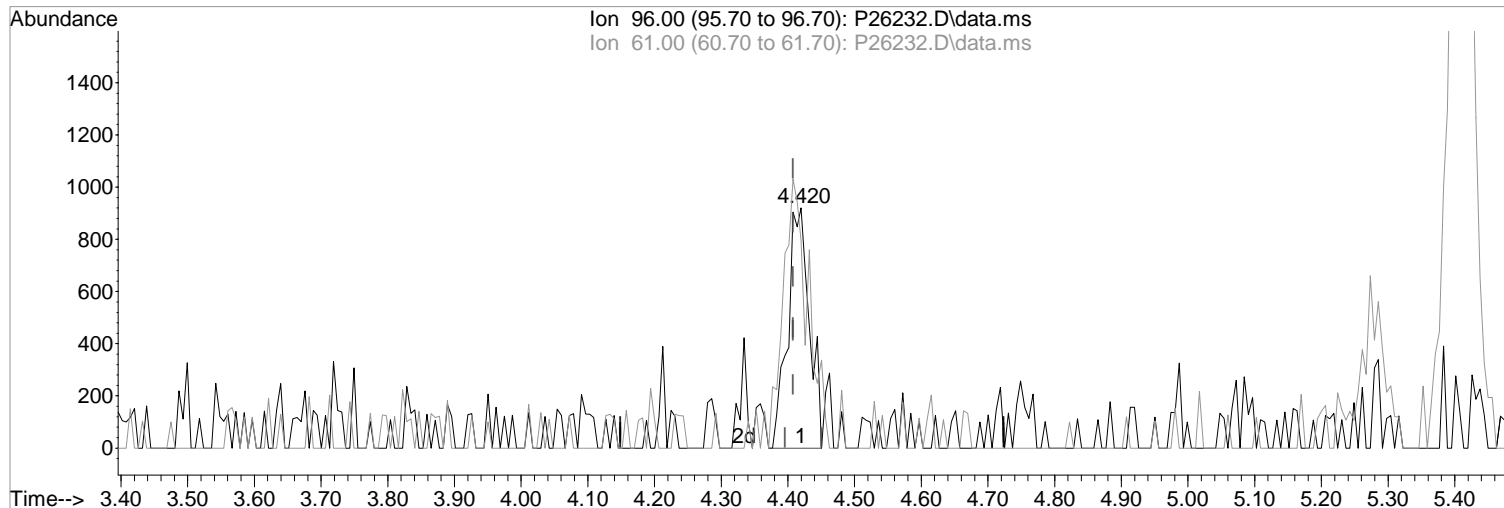
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	53.48#
97.00	22.10	29.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.53 ppb m
response 2083

Manual Integration:

After
Split Peak

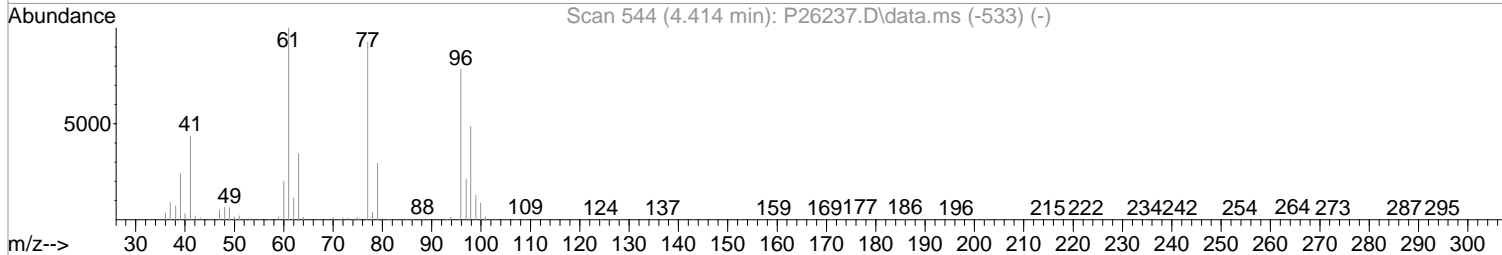
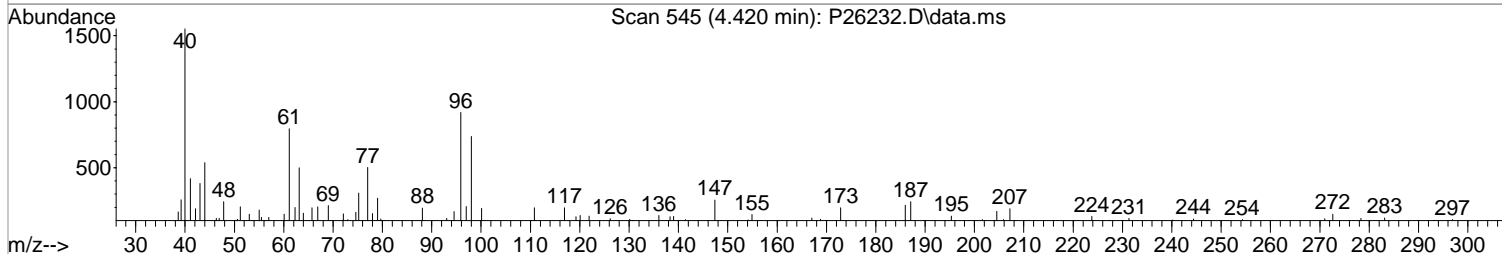
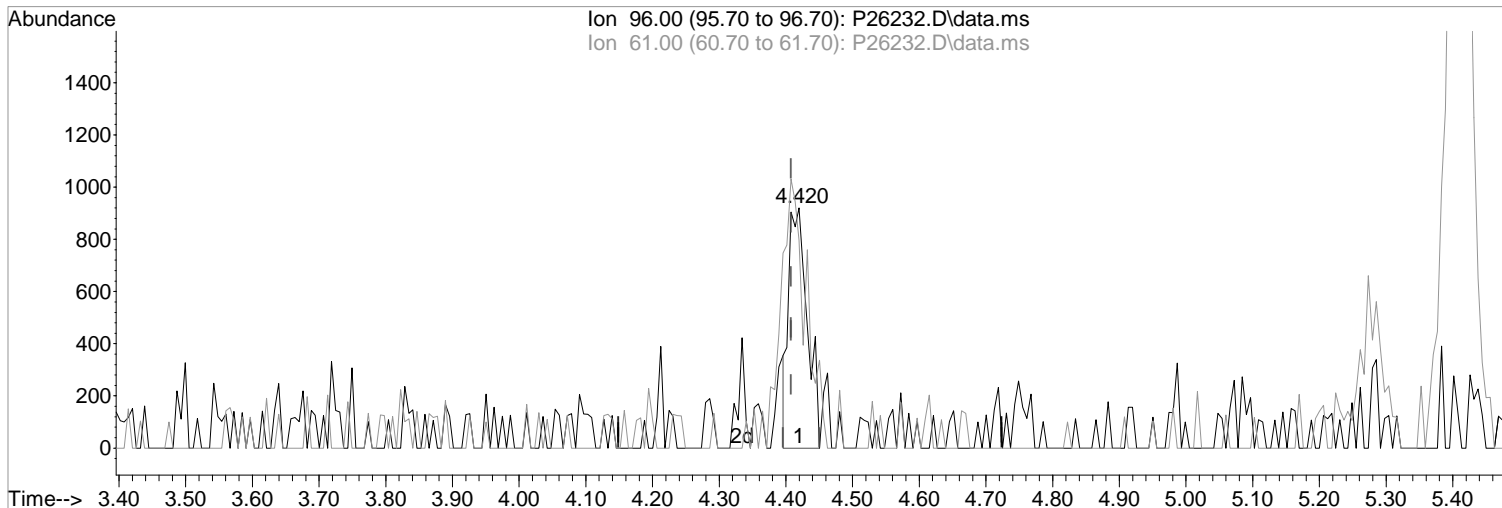
Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.420min (+0.012) 0.45 ppb

response 1792

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	86.52#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

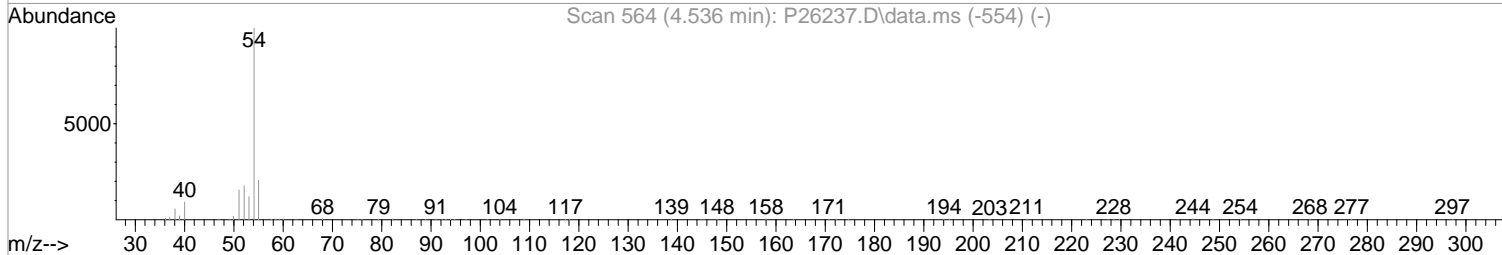
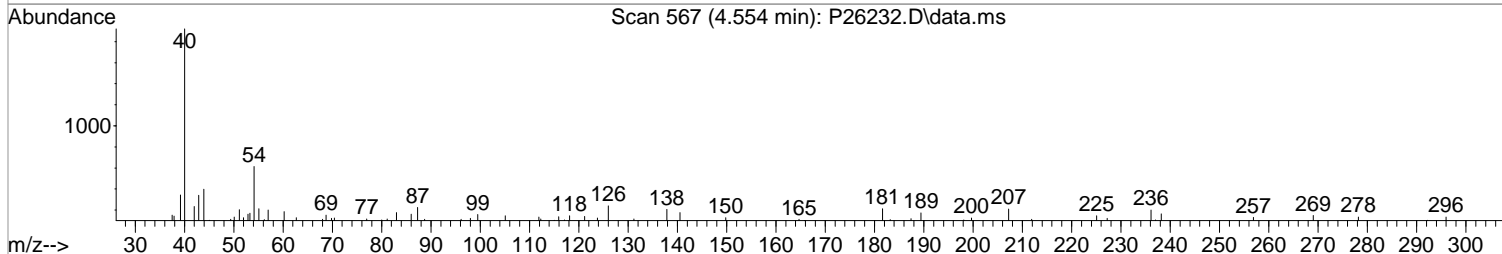
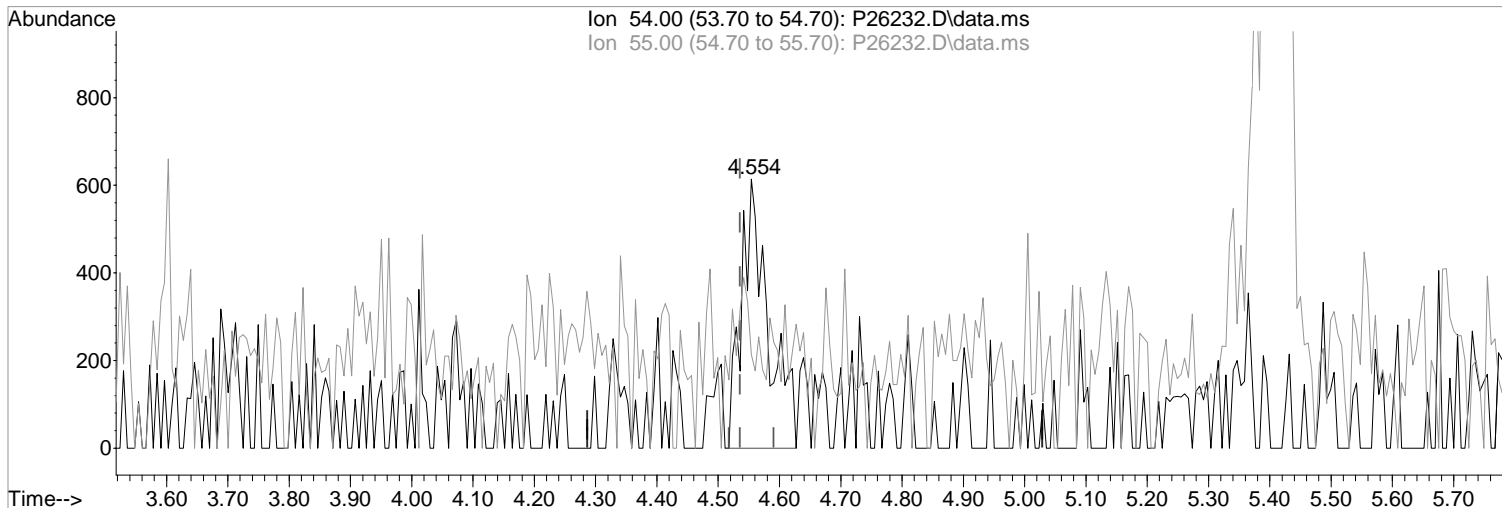
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(36) Propionitrile
4.554min (+0.018) 2.57 ppb m
response 1858

Manual Integration:
After
Poor integration.

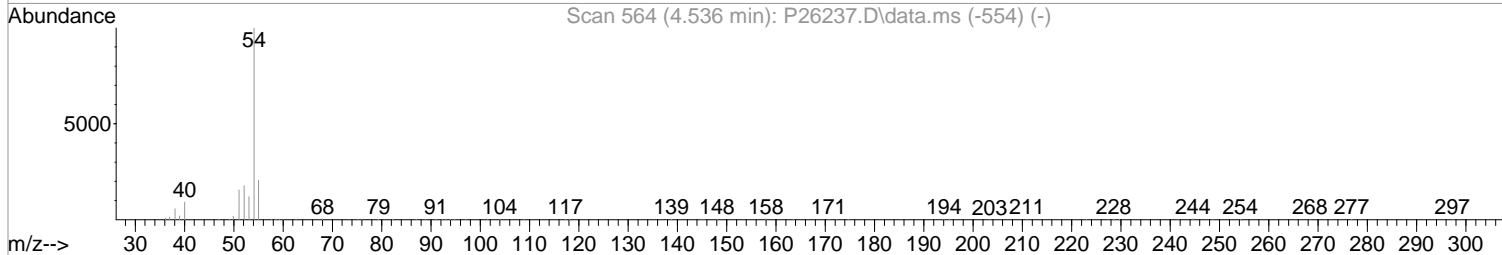
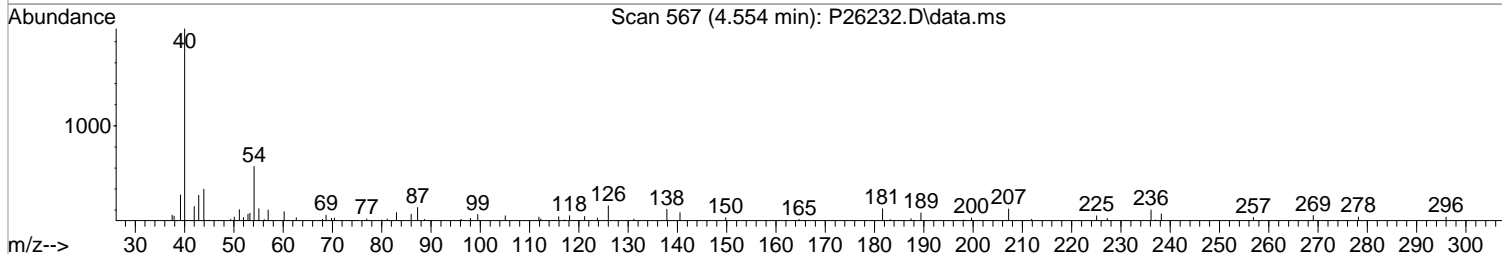
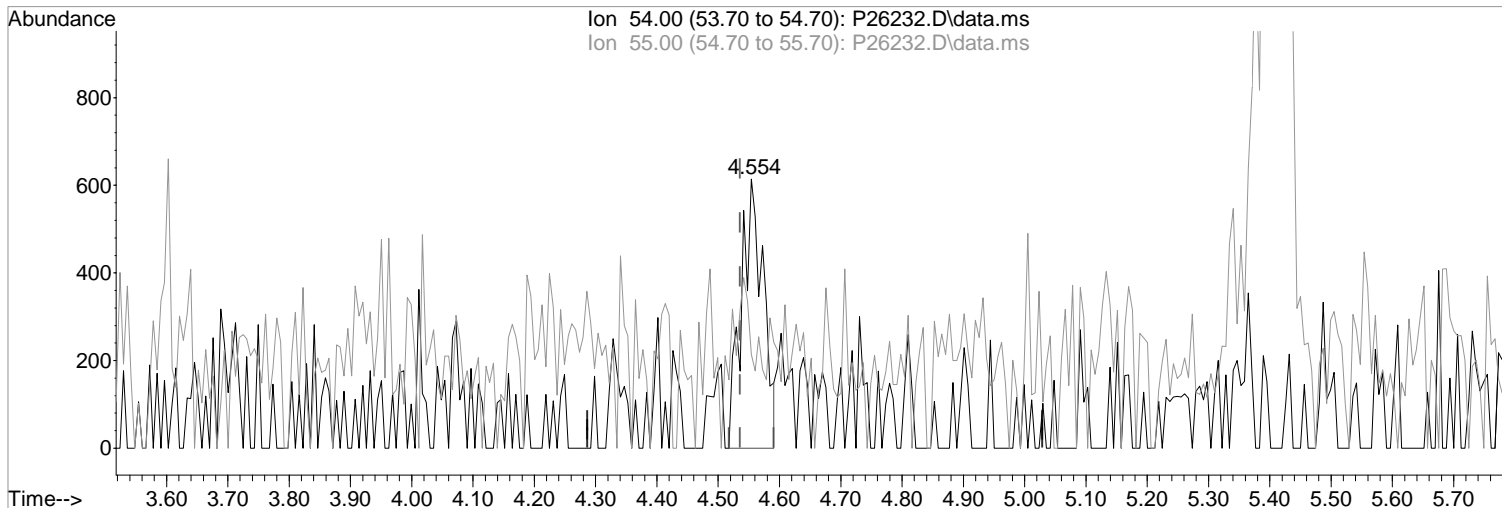
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(36) Propionitrile
4.554min (+0.018) 2.10 ppb
response 1513

Manual Integration:
Before

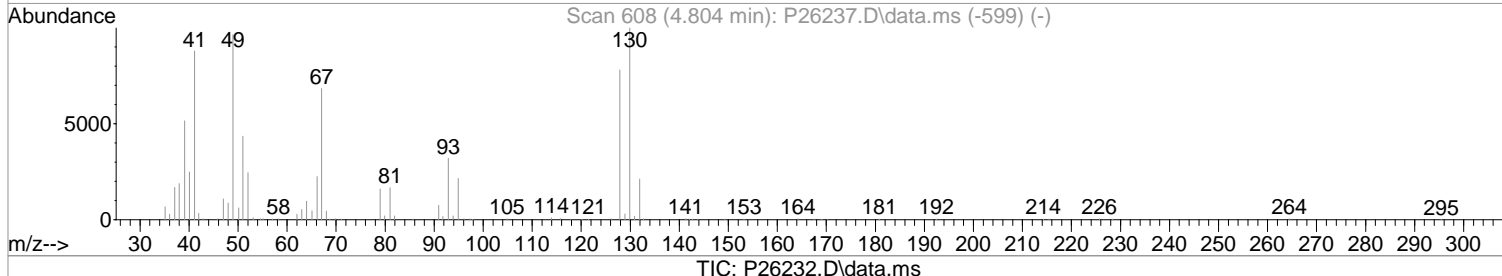
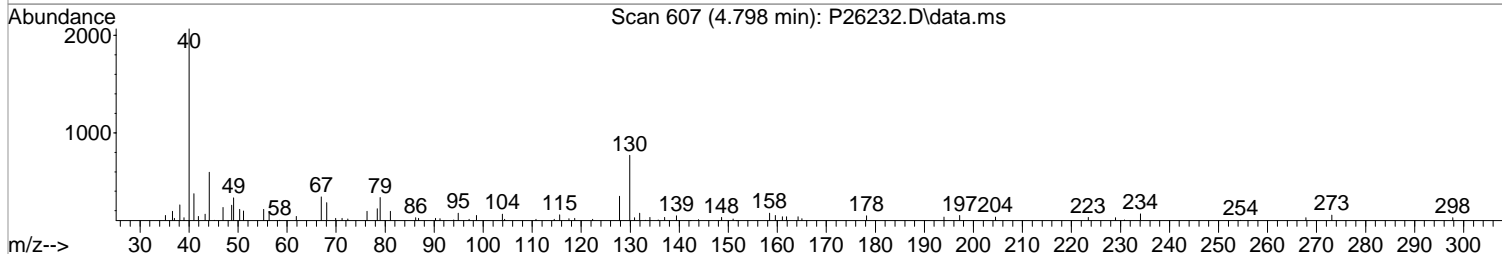
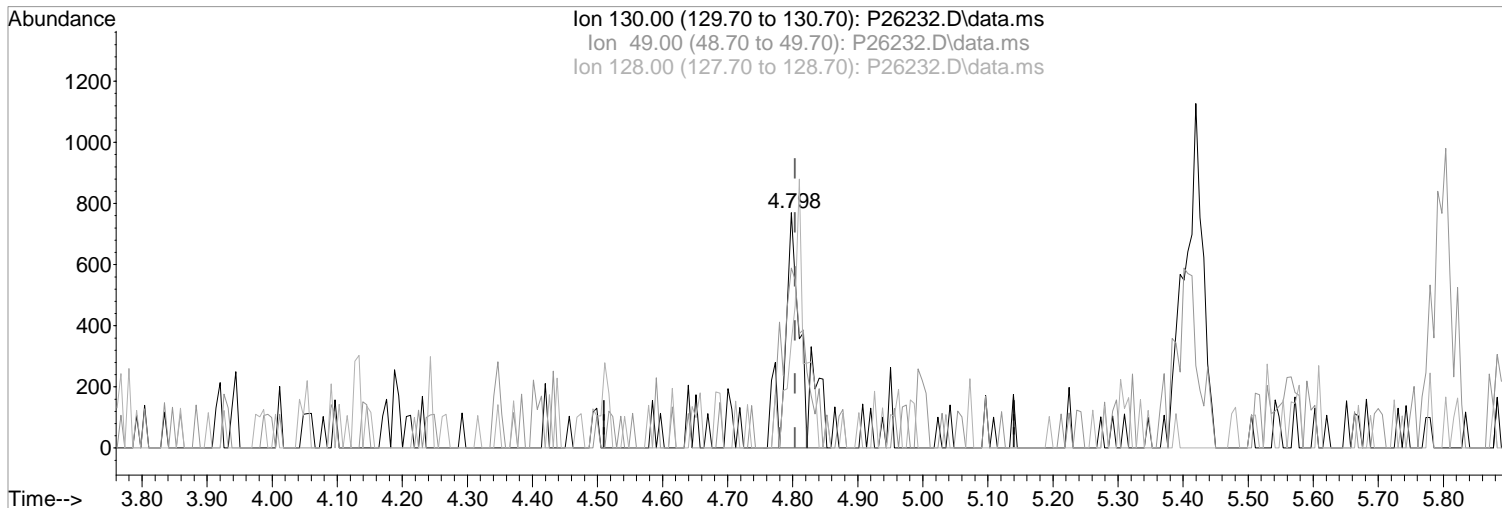
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	34.85
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.58 ppb m
 response 1529

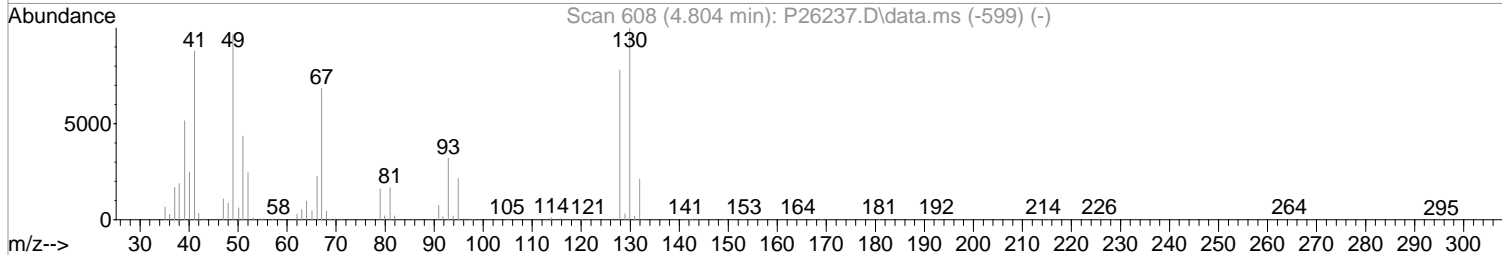
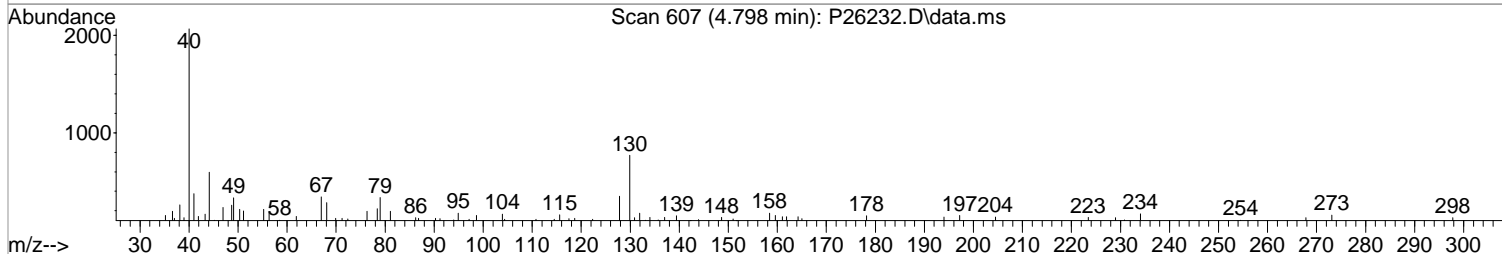
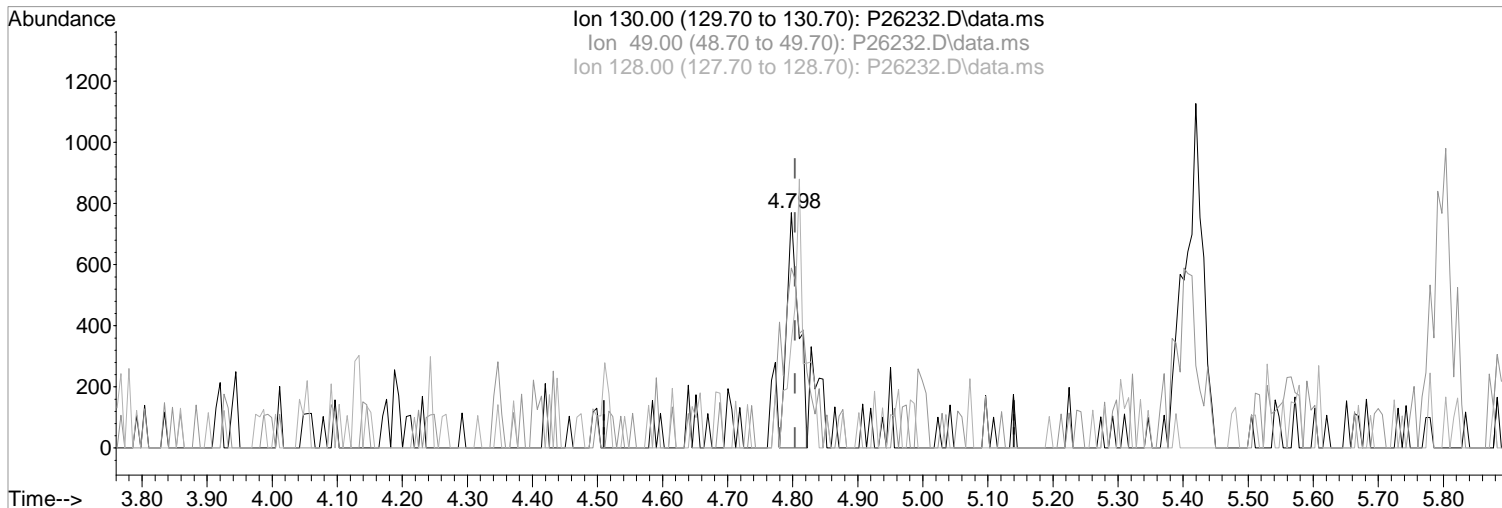
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	42.99#
128.00	78.80	45.19#
0.00	0.00	0.00

Manual Integration:
 After
 Split Peak
 05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

Manual Integration:

4.798min (-0.006) 0.37 ppb

Before

response 987

Ion Exp% Act%

05/01/19

130.00 100 100

49.00 96.80 76.49#

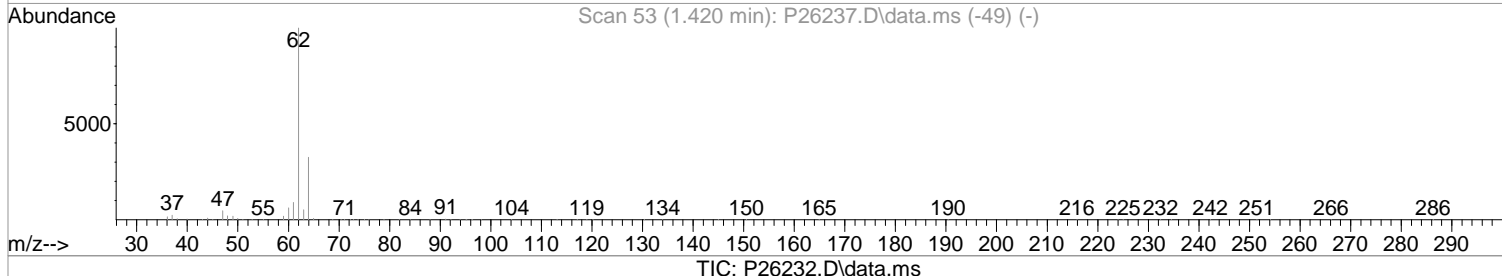
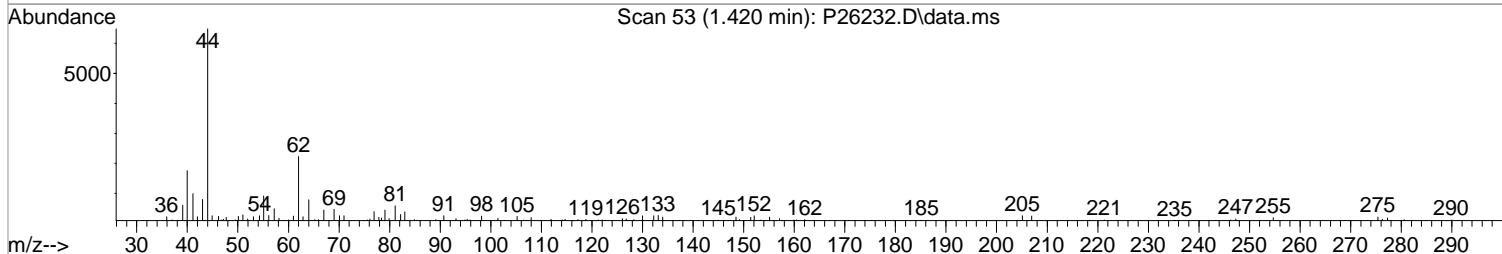
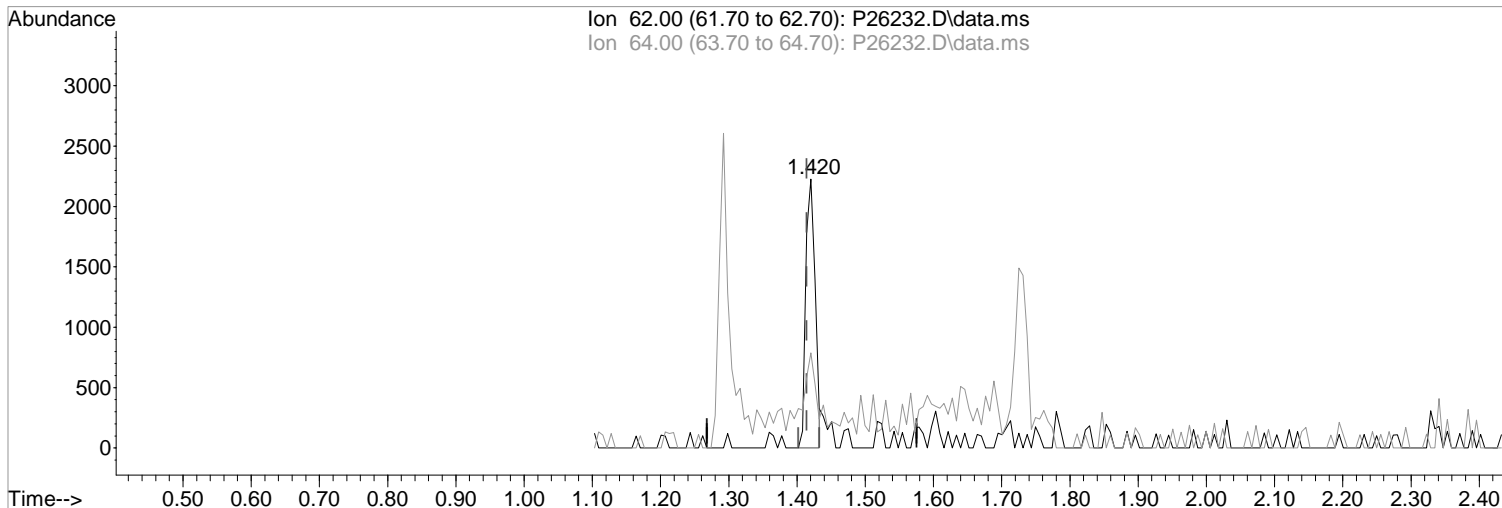
128.00 78.80 45.19#

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(4) Vinyl Chloride (P)
1.420min (+0.006) 0.56 ppb m
response 2149

Manual Integration:

After

Poor integration.

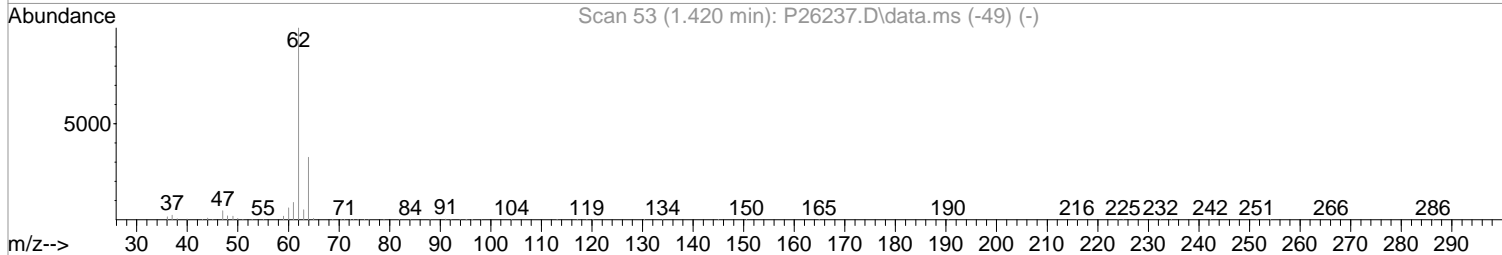
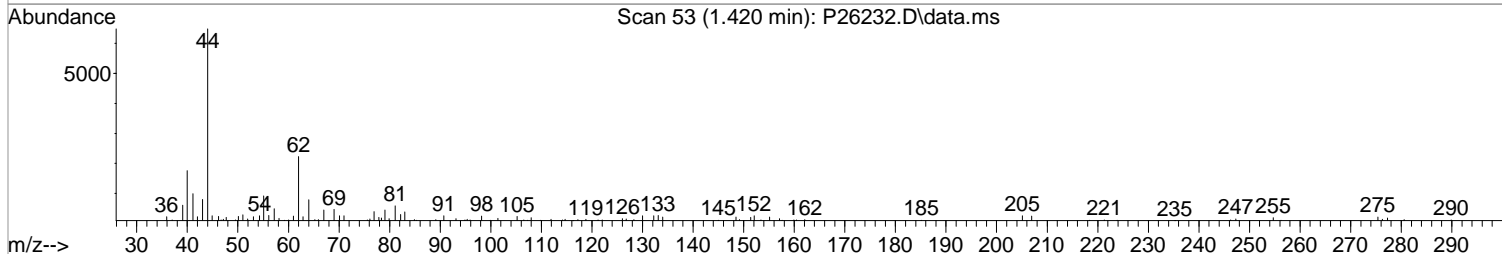
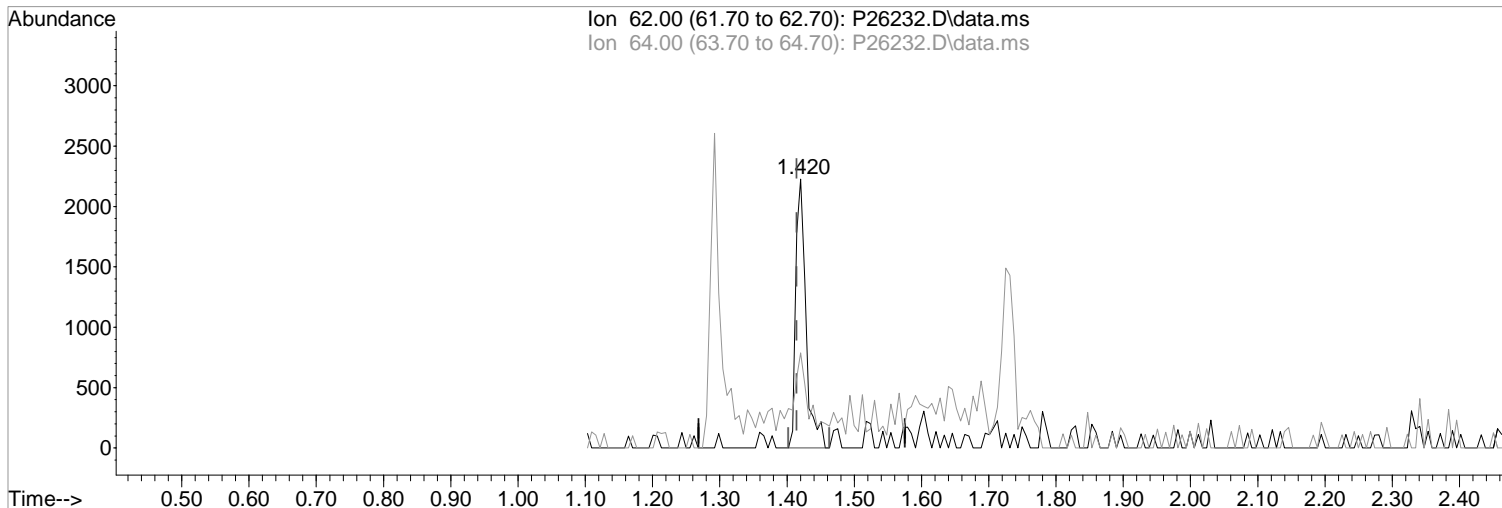
05/01/19

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(4) Vinyl Chloride (P)
1.420min (+0.006) 0.62 ppb
response 2380

Manual Integration:
Before

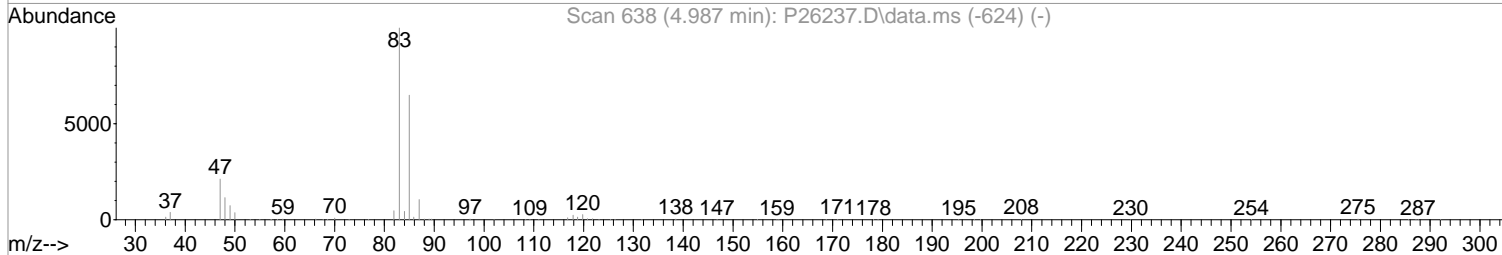
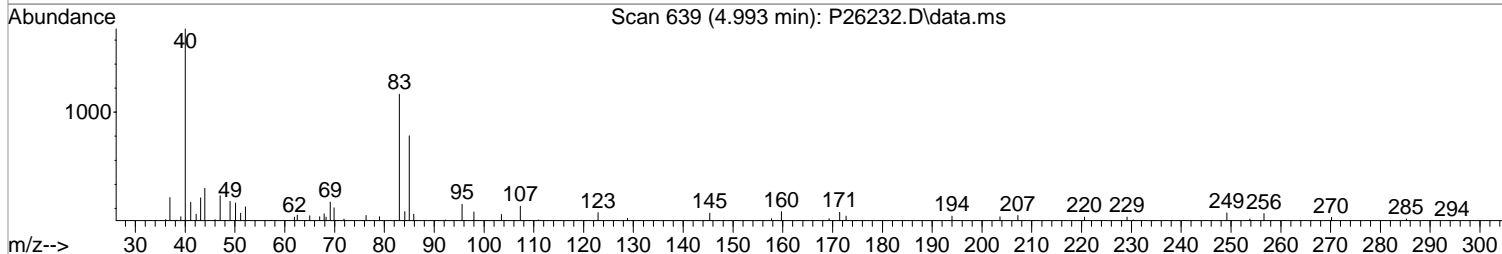
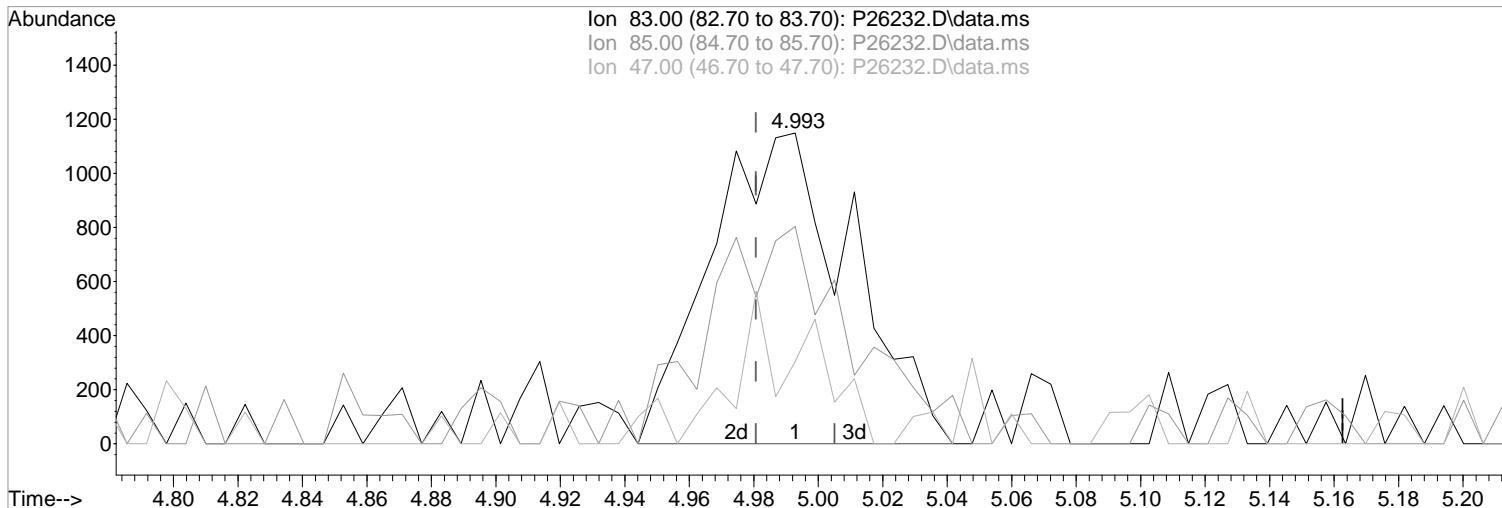
Ion	Exp%	Act%
62.00	100	100
64.00	32.50	35.37
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(40) Chloroform (P)

4.993min (+0.012) 0.61 ppb m

response 3509

Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

Manual Integration:

After

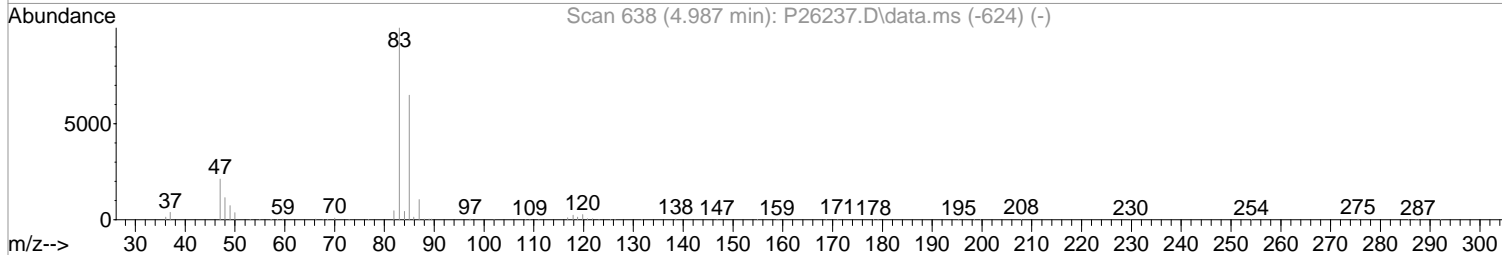
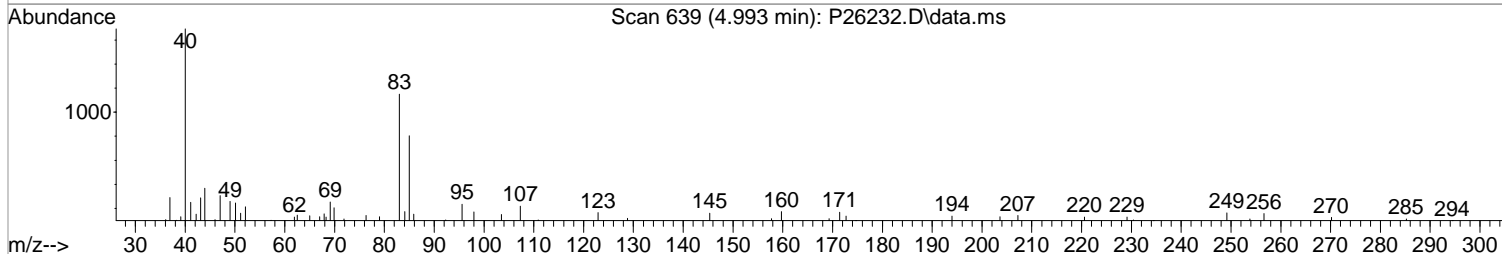
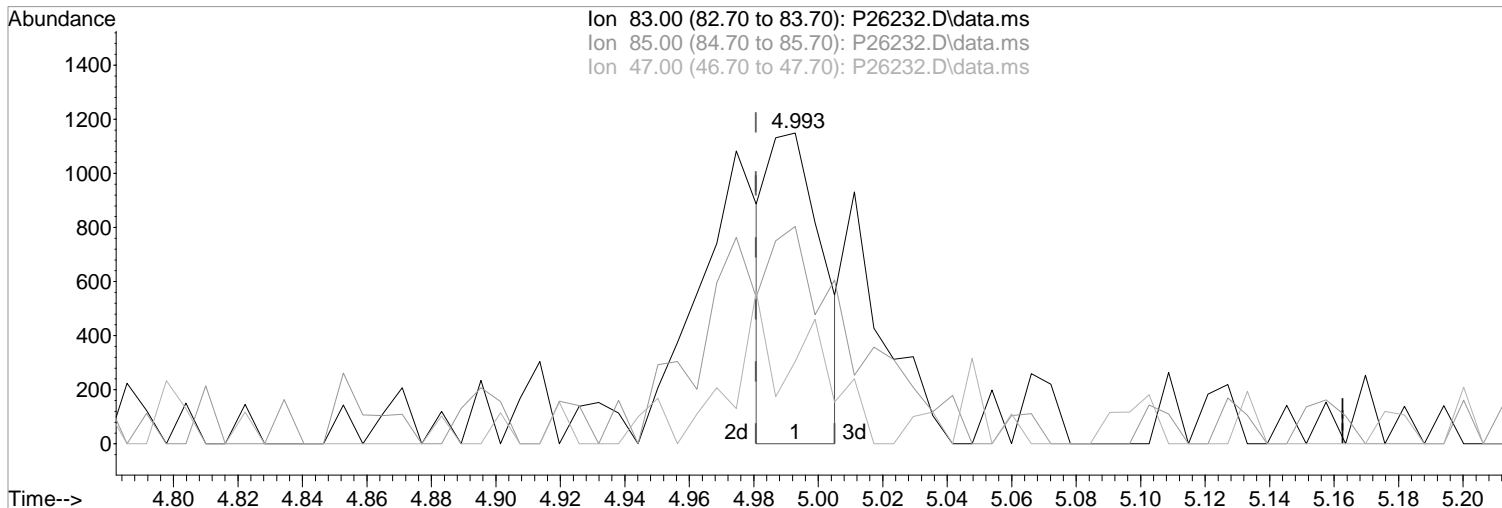
Split Peak

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(40) Chloroform (P)
4.993min (+0.012) 0.23 ppb
response 1334

Manual Integration:
Before

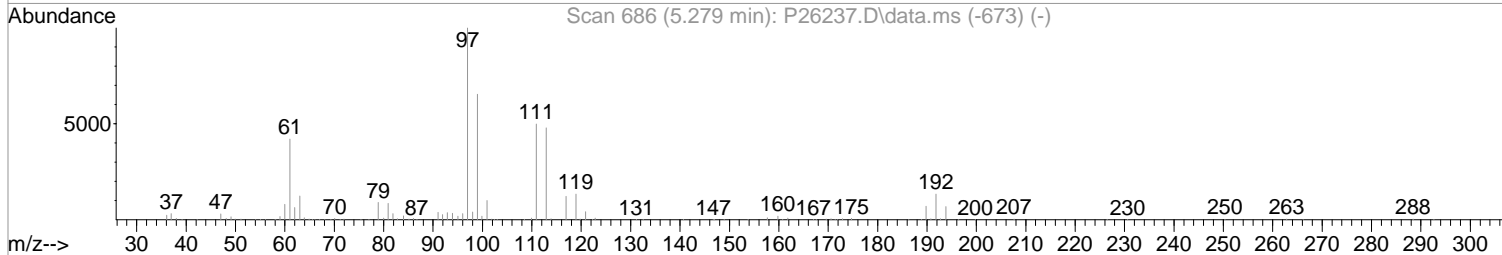
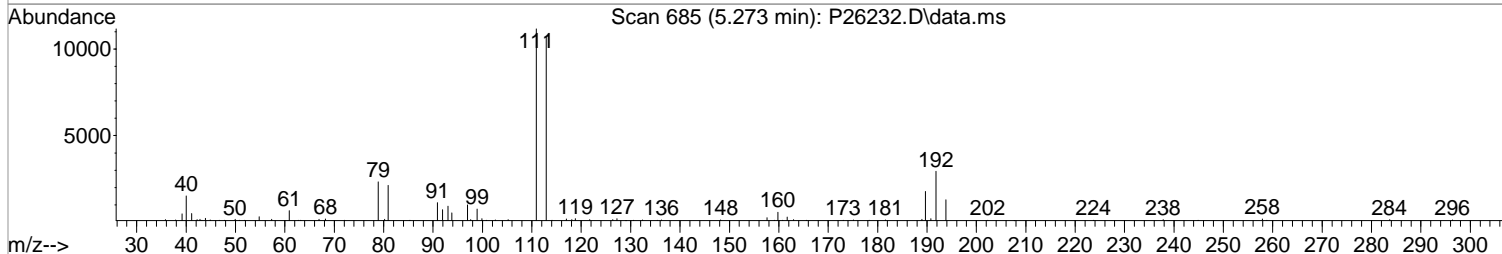
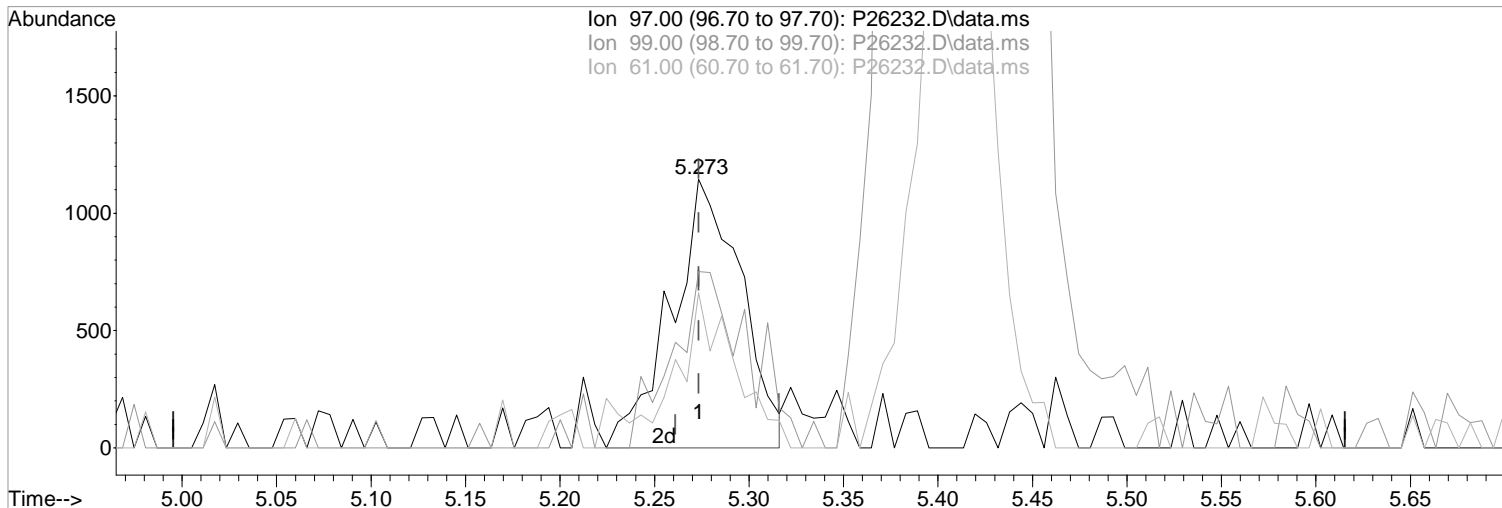
Ion	Exp%	Act%
83.00	100	100
85.00	64.80	69.97
47.00	21.20	26.54
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(41) 1,1,1-Trichloroethane (P)

5.273min (-0.000) 0.54 ppb m
response 2936

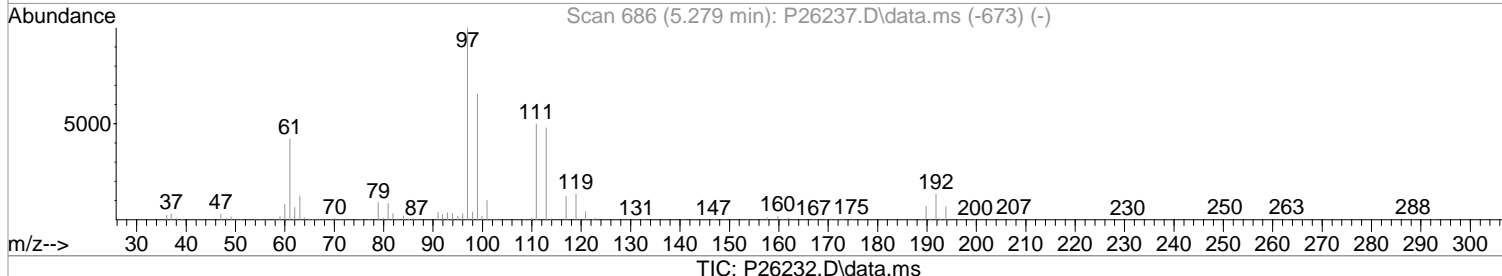
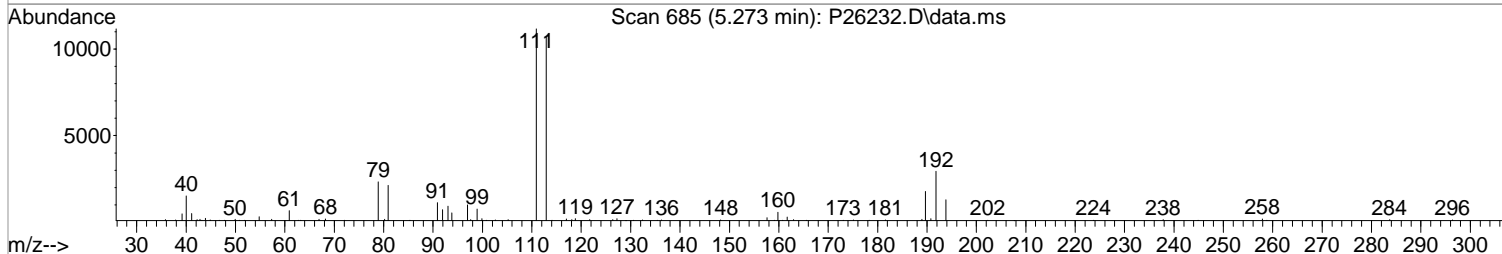
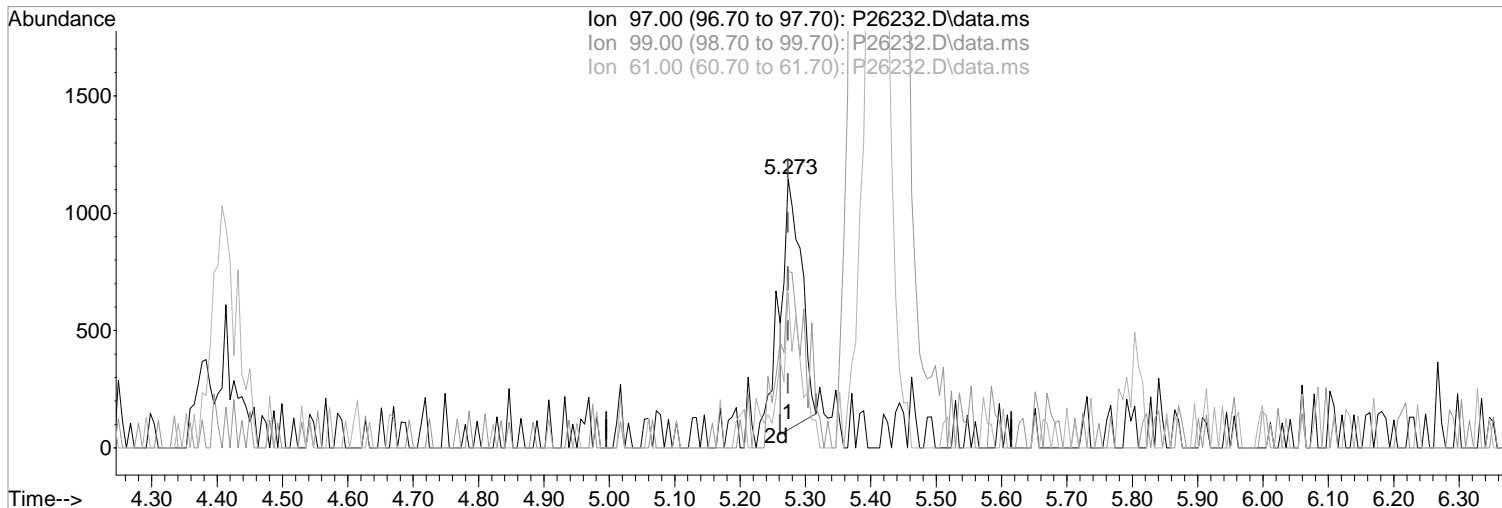
Ion	Exp%	Act%
97.00	100	100
99.00	65.30	75.43
61.00	41.90	66.30#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(41) 1,1,1-Trichloroethane (P)

Manual Integration:

5.273min (-0.000) 0.35 ppb

Before

response 1895

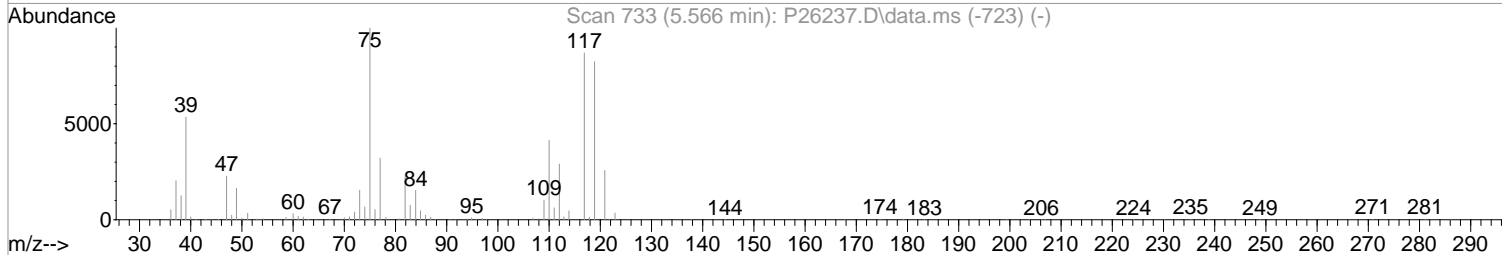
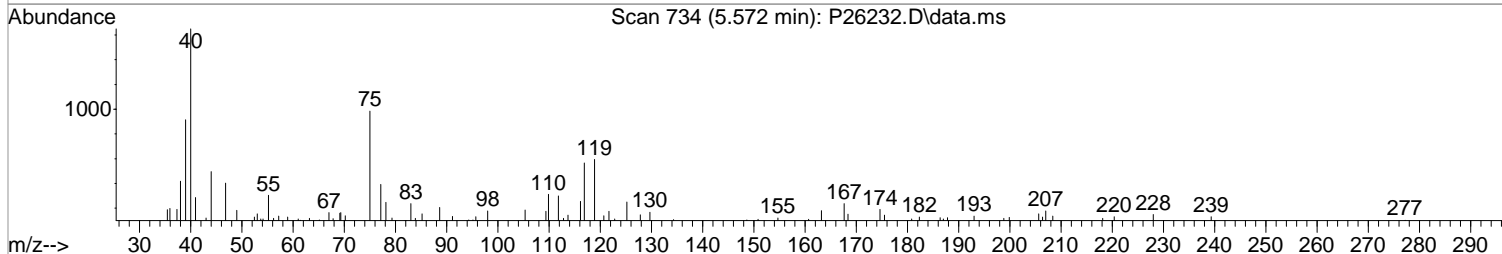
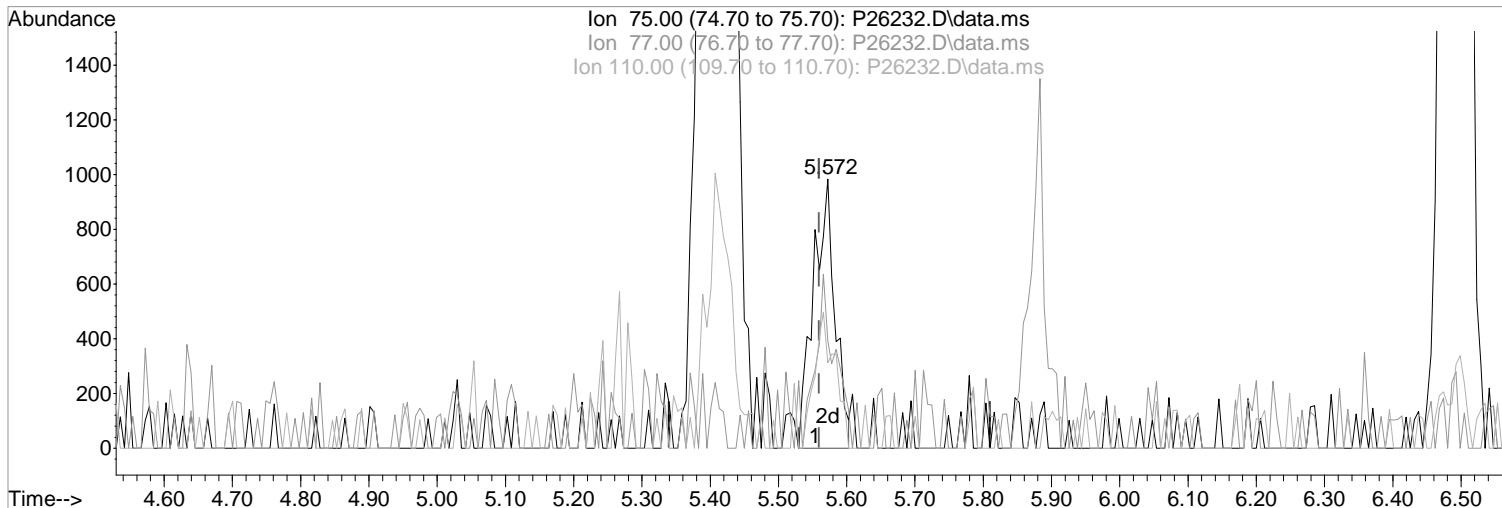
Ion	Exp%	Act%
97.00	100	100
99.00	65.30	65.62
61.00	41.90	57.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(47) 1,1-Dichloropropene
5.572min (+0.012) 0.52 ppb m
response 2156

Manual Integration:

After

Split Peak

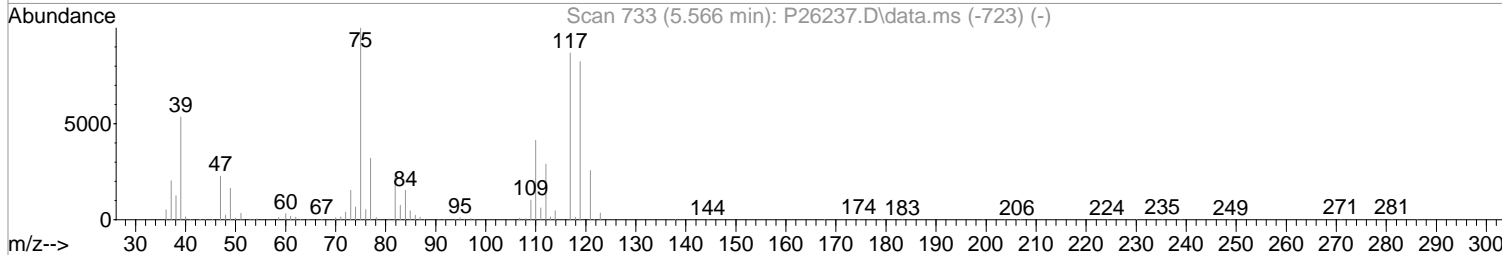
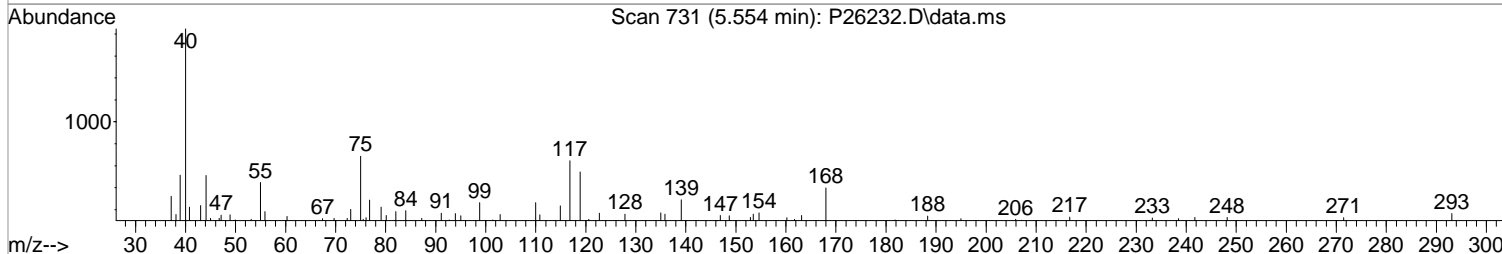
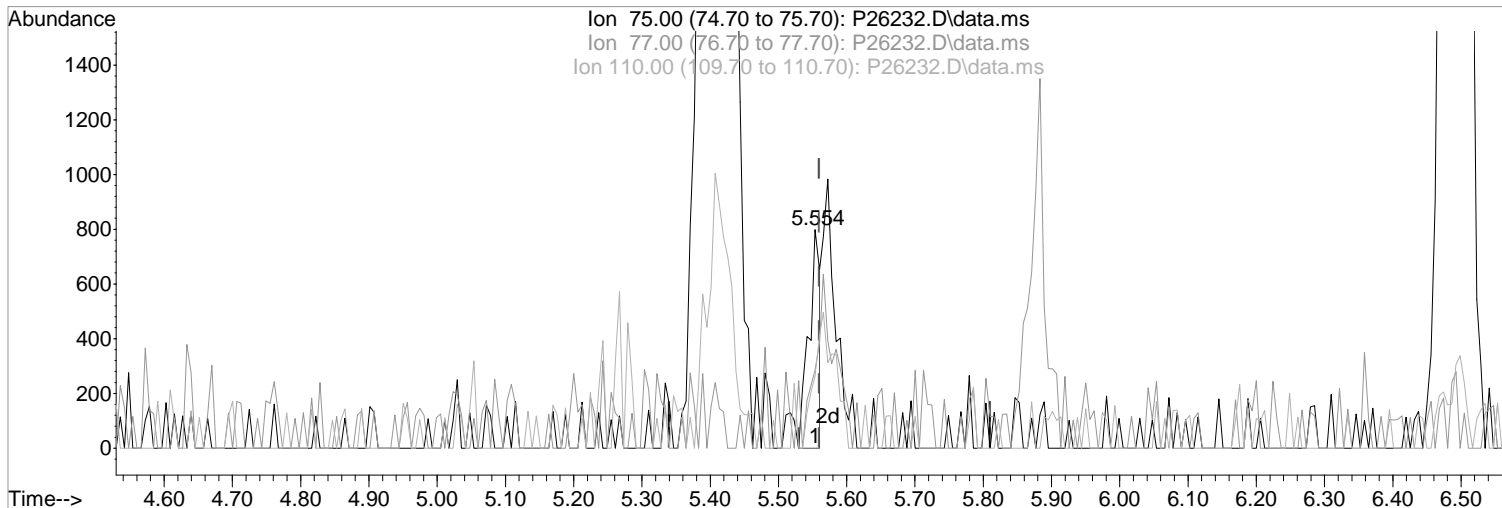
05/01/19

Ion	Exp%	Act%
75.00	100	100
77.00	32.10	39.88
110.00	41.40	31.74
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(47) 1,1-Dichloropropene
5.554min (-0.006) 0.22 ppb
response 904

Manual Integration:
Before

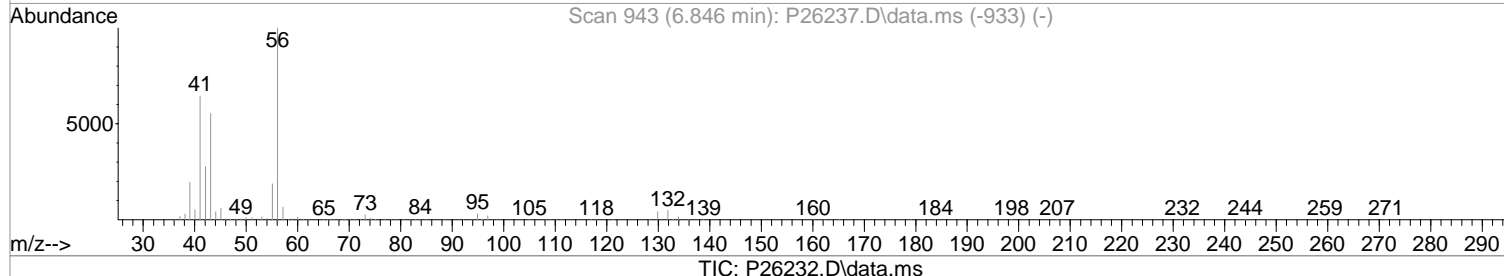
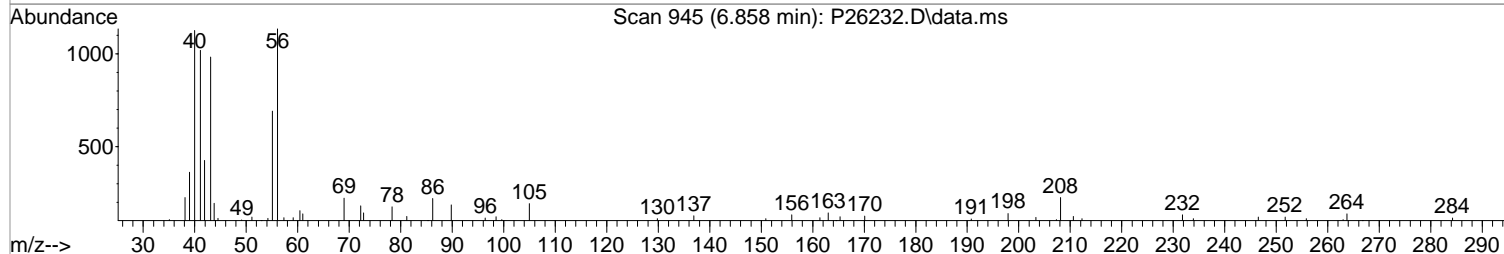
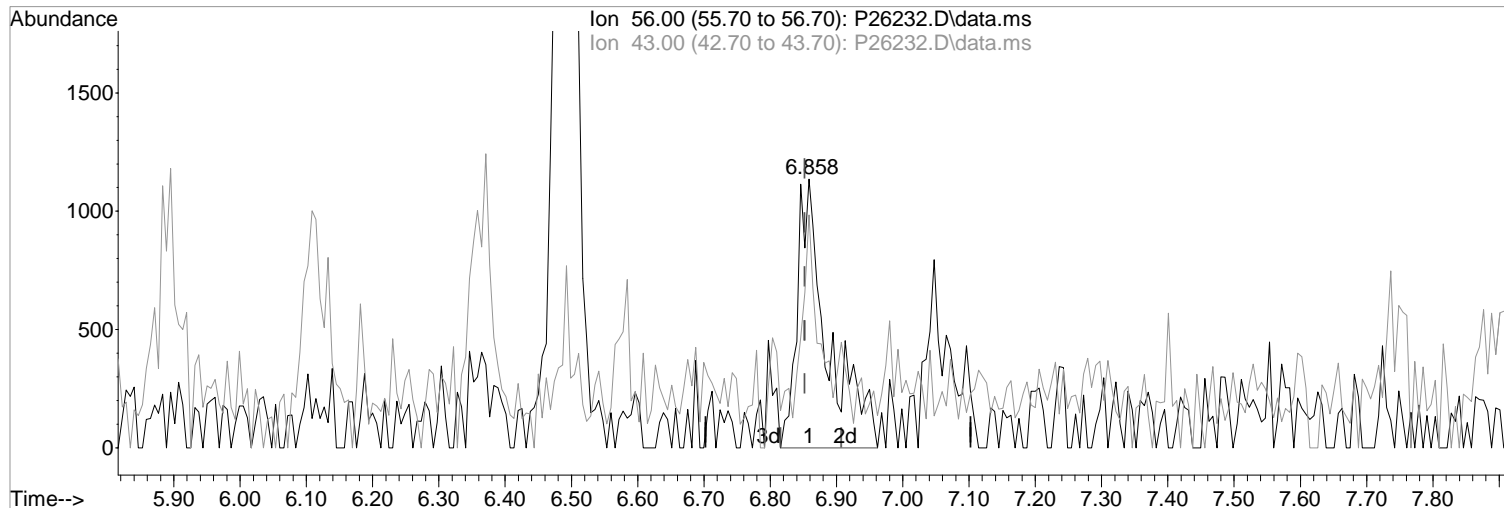
Ion	Exp%	Act%
75.00	100	100
77.00	32.10	35.71
110.00	41.40	32.96
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.858min (+0.006) 18.49 ppb m
response 3595

Manual Integration:

After

Split Peak

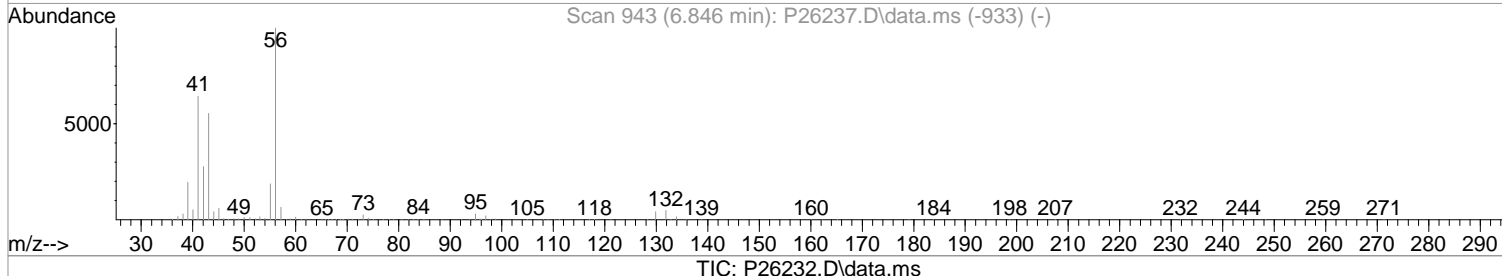
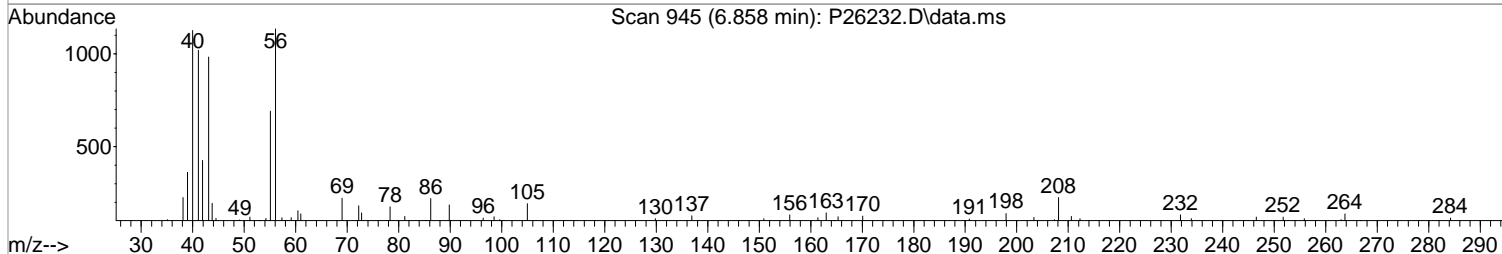
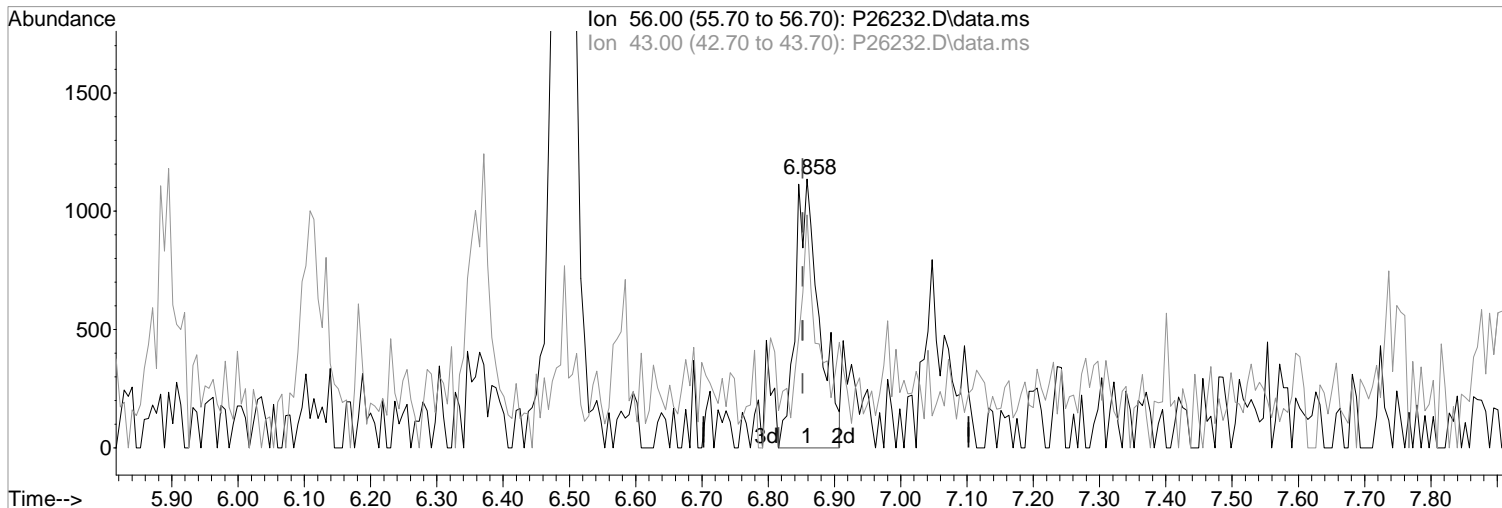
05/01/19

Ion	Exp%	Act%
56.00	100	100
43.00	52.80	43.28
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.858min (+0.006) 14.65 ppb
response 2848

Manual Integration:
Before

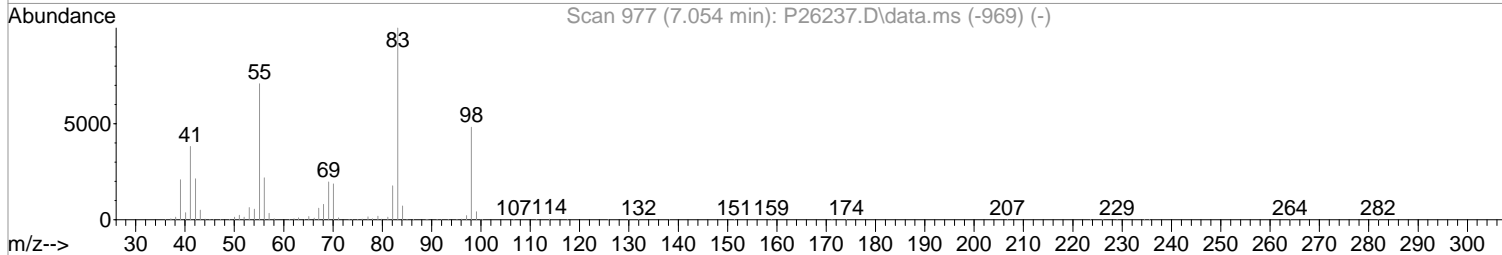
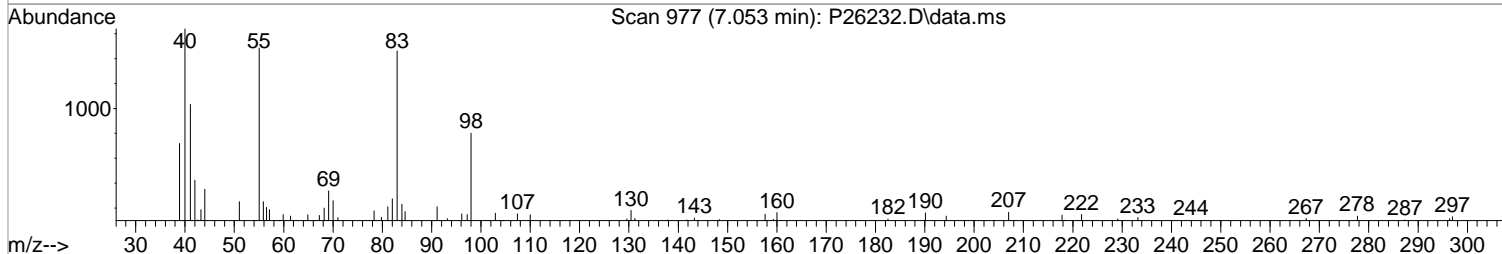
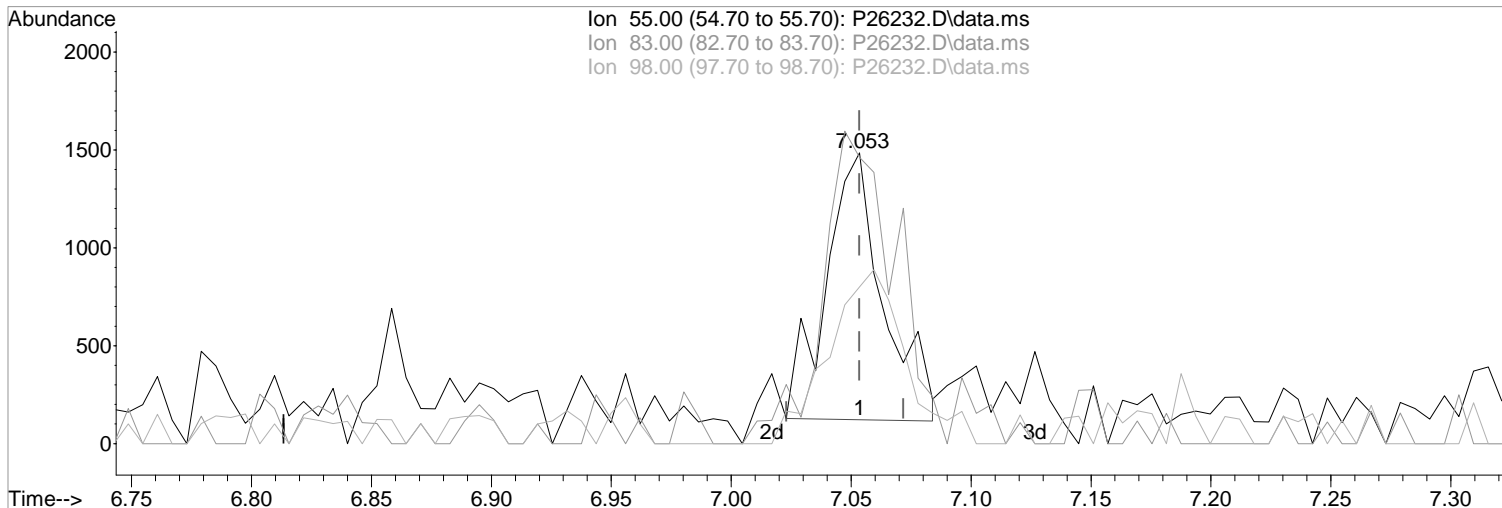
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	54.63
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(55) Methylcyclohexane (P)

7.053min (-0.000) 0.59 ppb m

response 2287

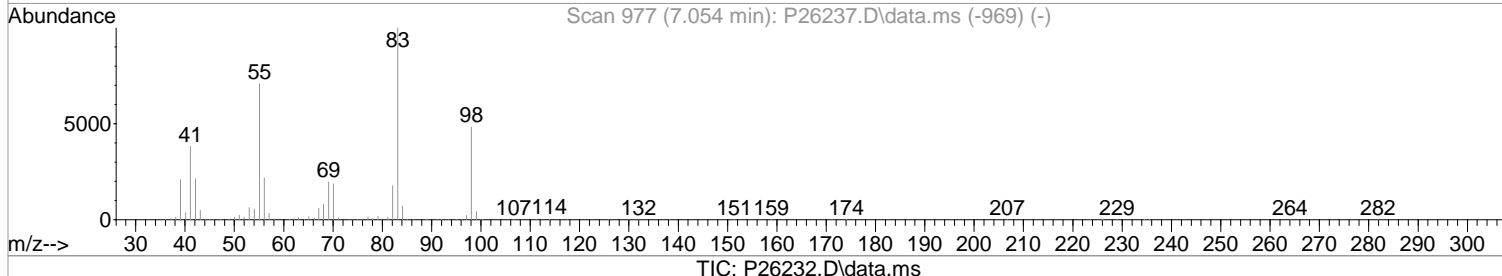
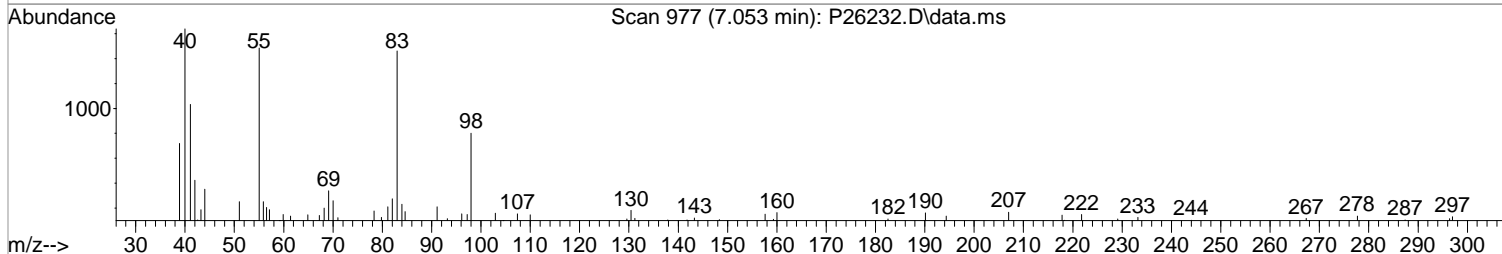
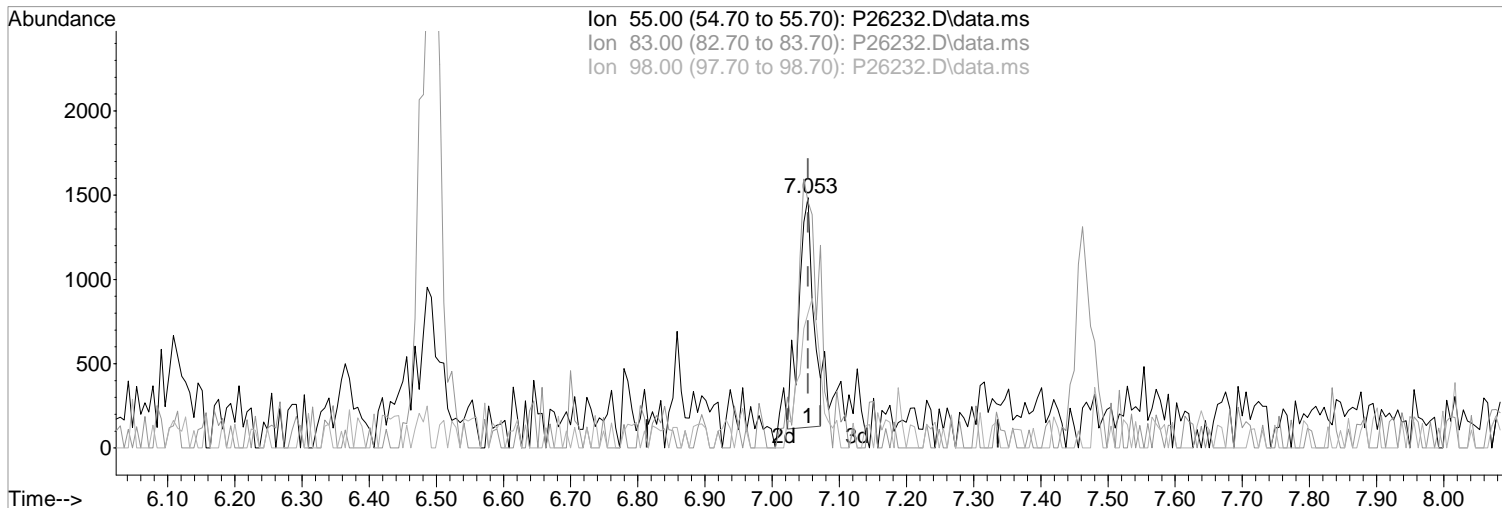
Ion	Exp%	Act%
55.00	100	100
83.00	140.30	98.45#
98.00	67.50	53.87
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(55) Methylcyclohexane (P)

Manual Integration:

7.053min (-0.000) 0.54 ppb

Before

response 2084

Ion Exp% Act%

05/01/19

55.00 100 100

83.00 140.30 98.45#

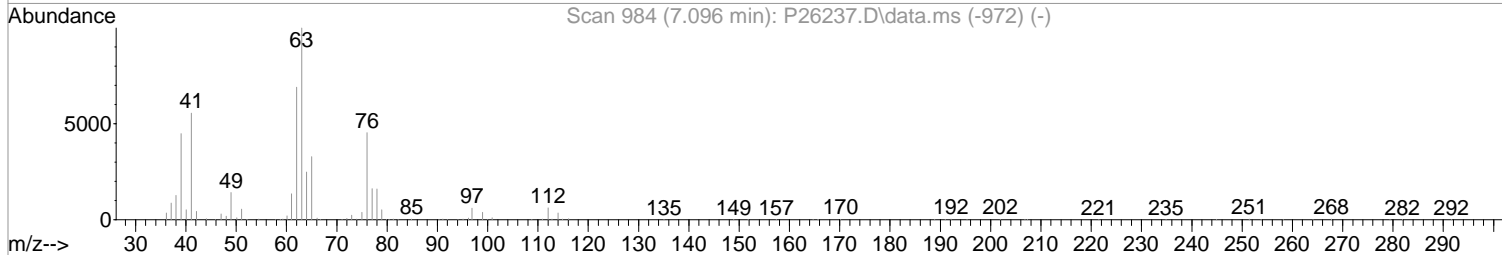
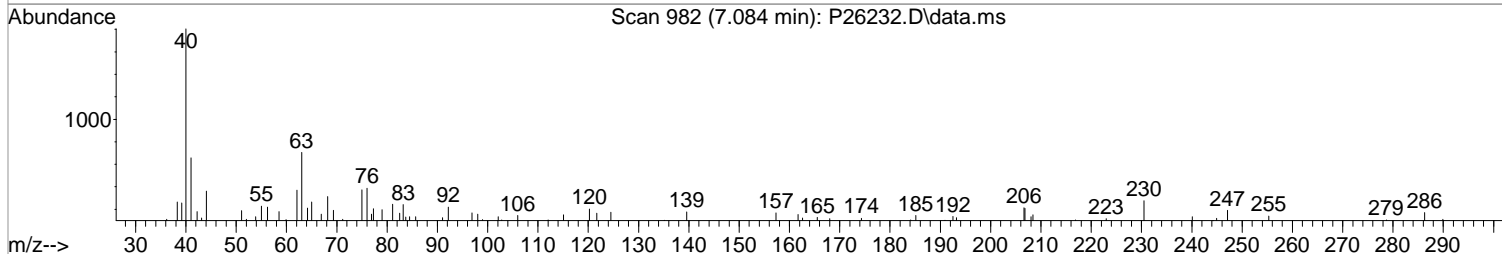
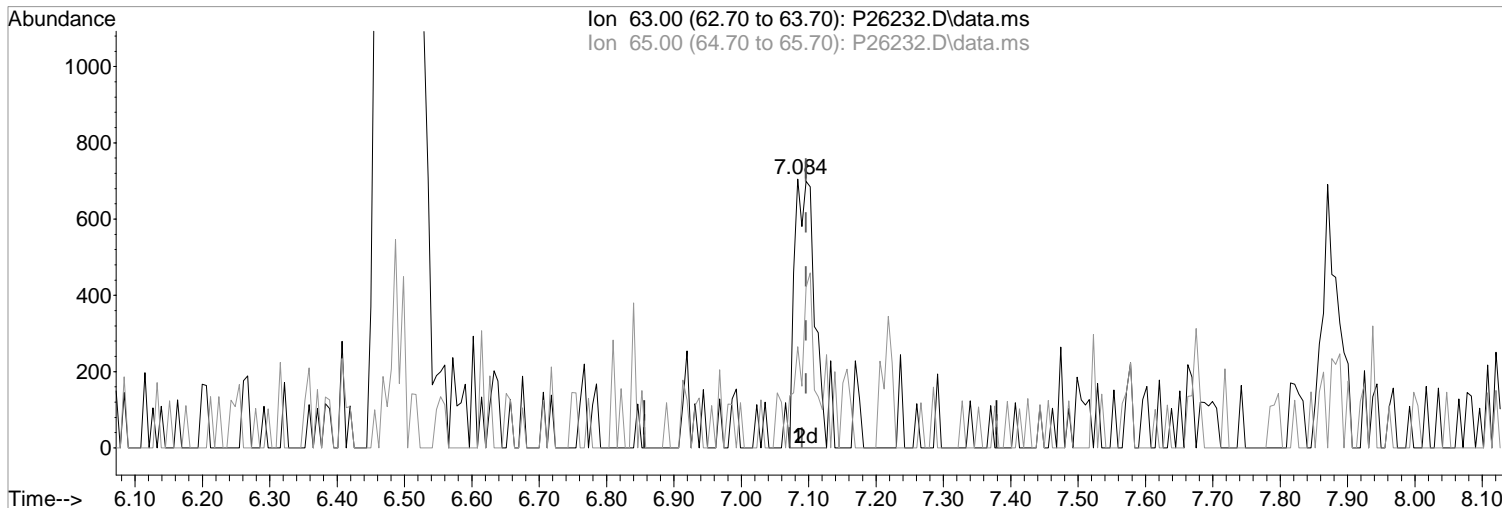
98.00 67.50 53.87

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.084min (-0.012) 0.45 ppb m
response 1419

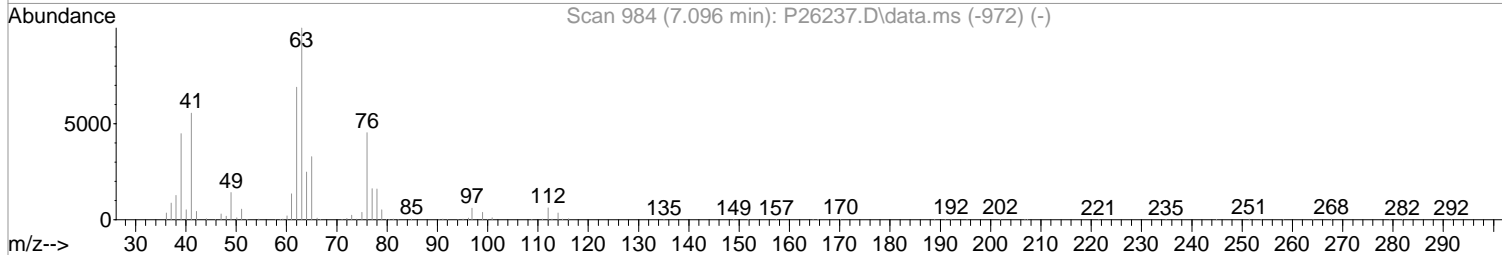
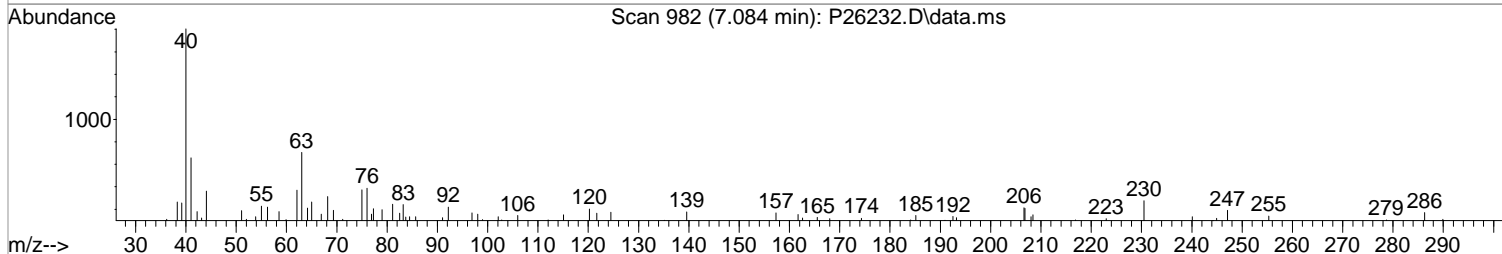
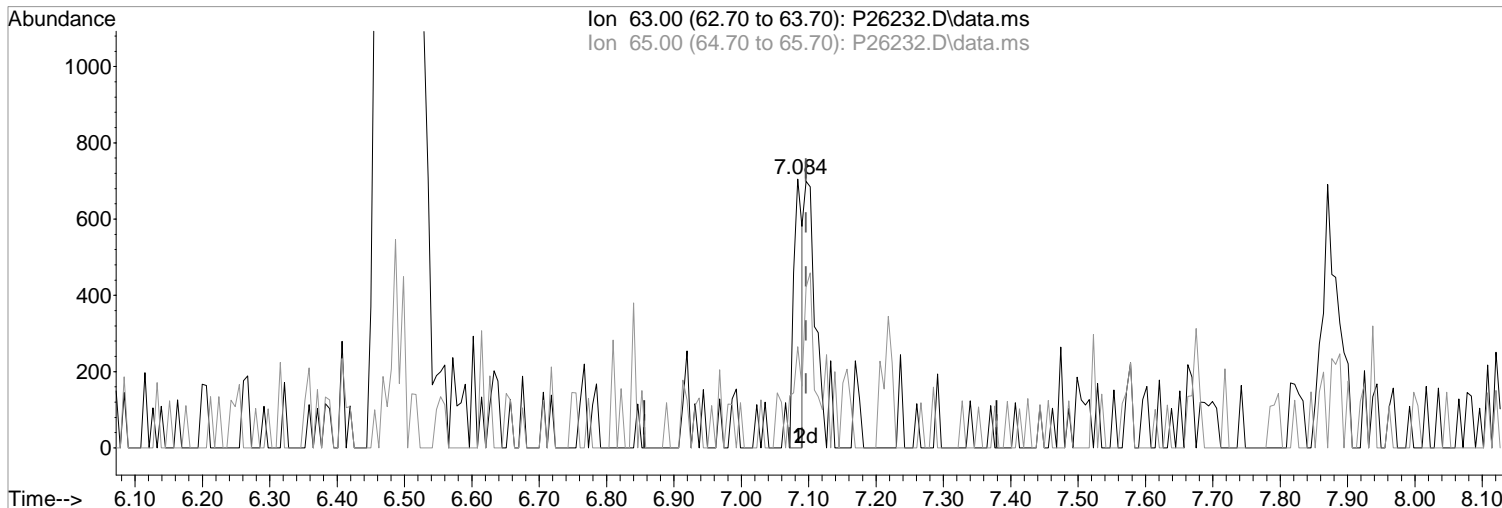
Manual Integration:
After
Split Peak
05/01/19

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.084min (-0.012) 0.20 ppb
response 638

Manual Integration:
Before

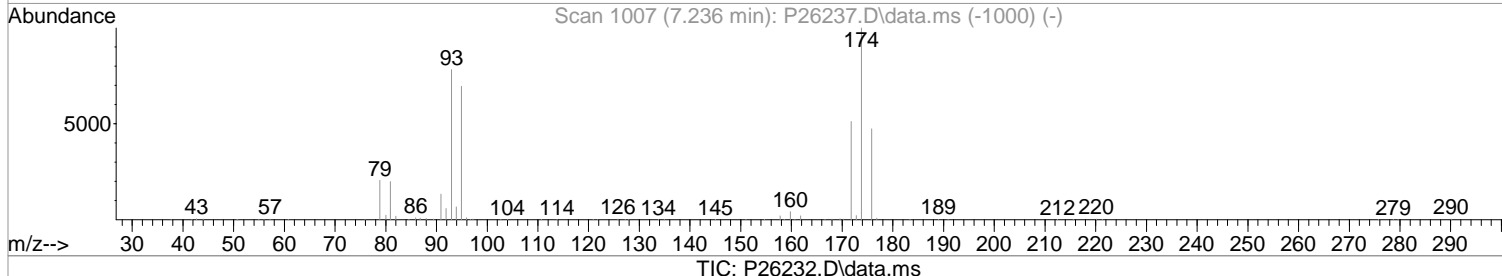
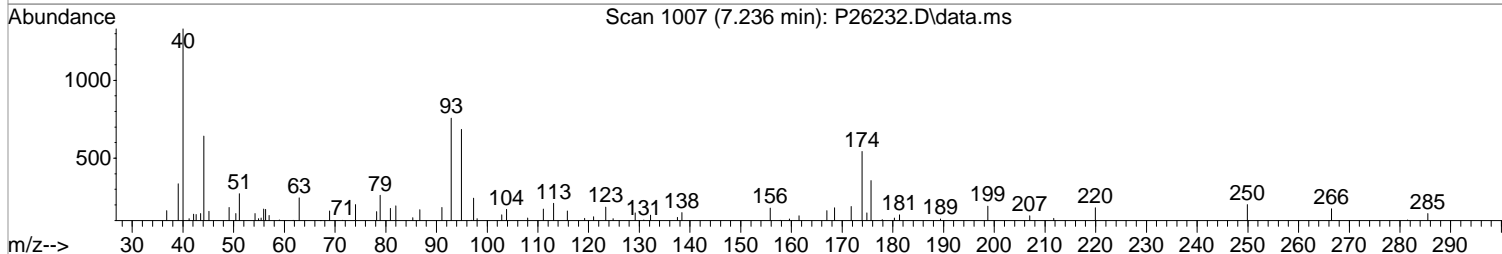
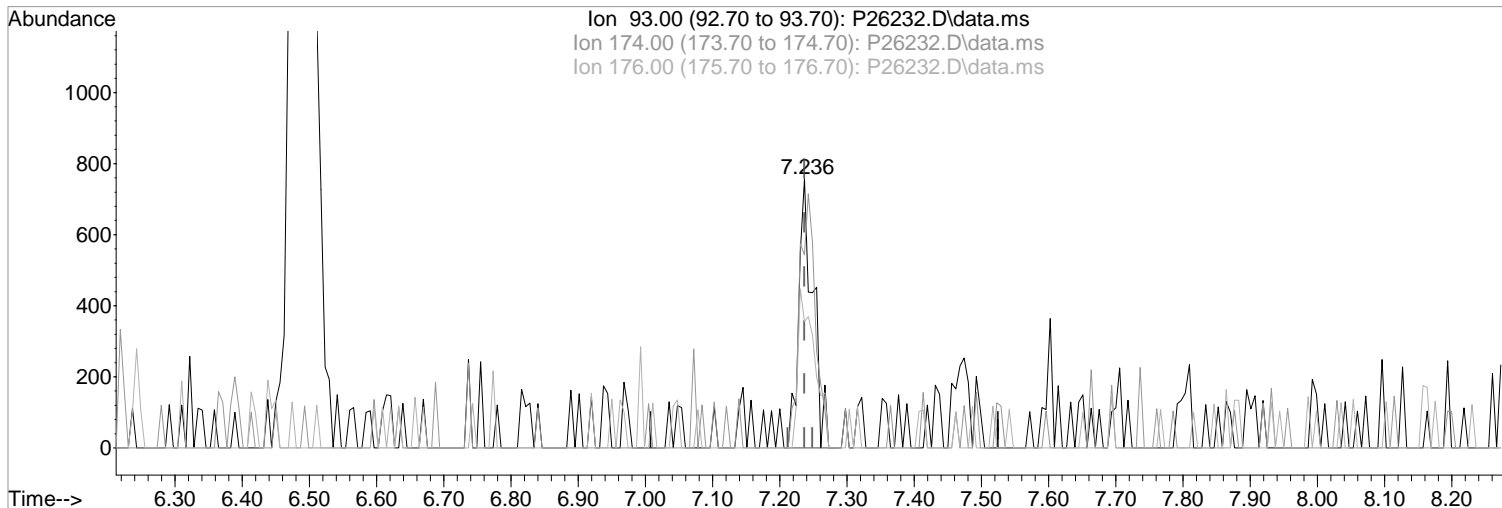
Ion	Exp%	Act%
63.00	100	100
65.00	32.80	37.59
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



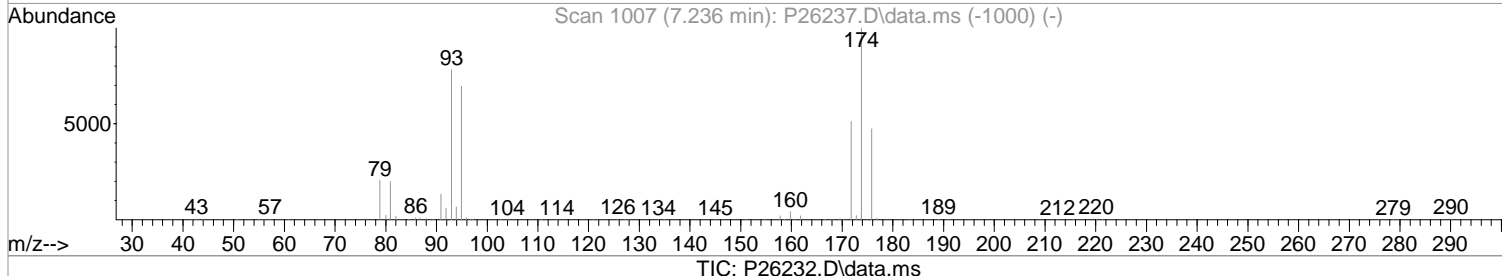
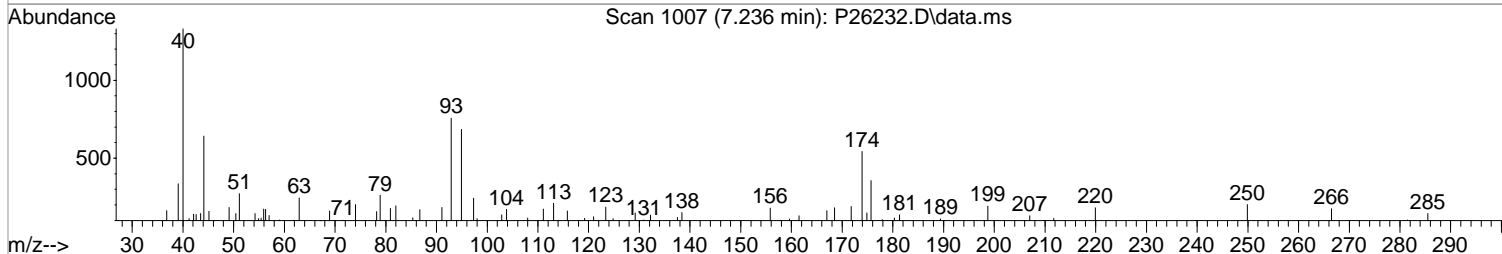
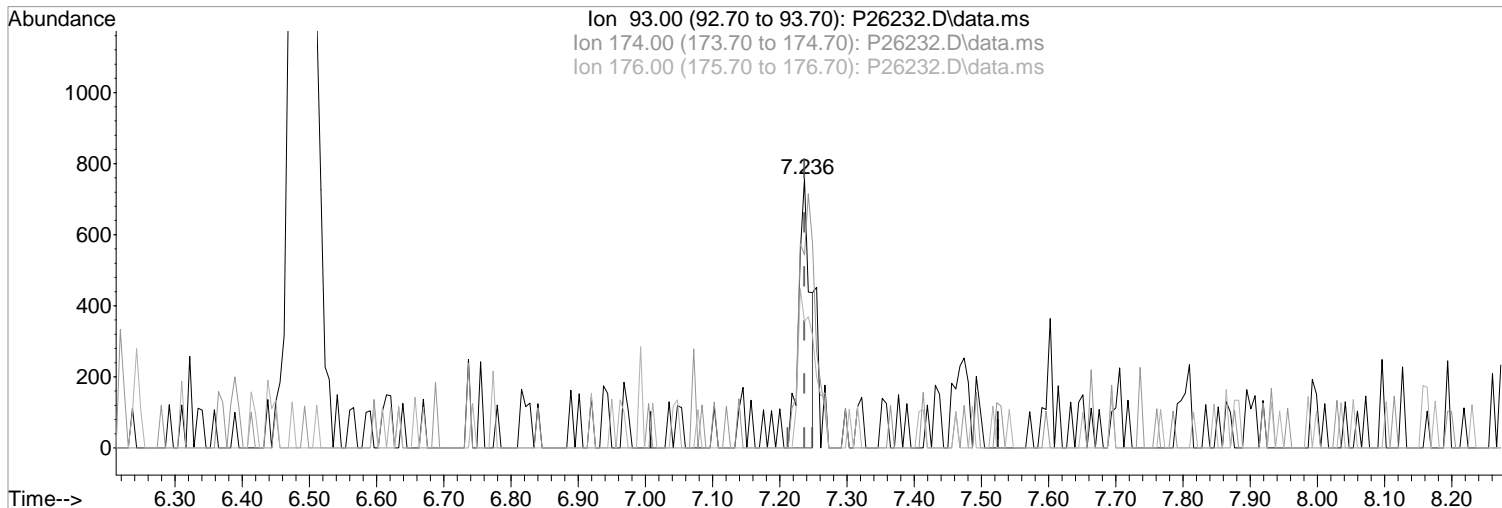
(57) Dibromomethane
7.236min (-0.000) 0.50 ppb m
response 1128
Ion Exp% Act%
93.00 100 100
174.00 127.30 71.73#
176.00 60.30 47.03
0.00 0.00 0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(57) Dibromomethane

7.236min (-0.000) 0.40 ppb

response 898

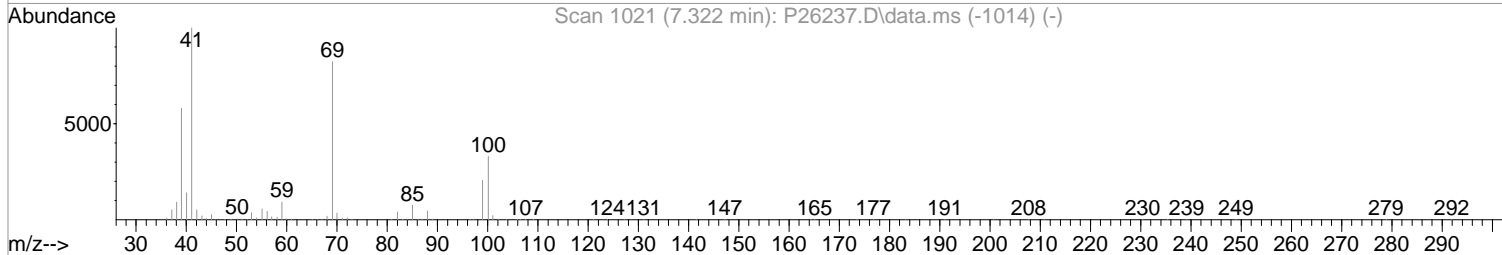
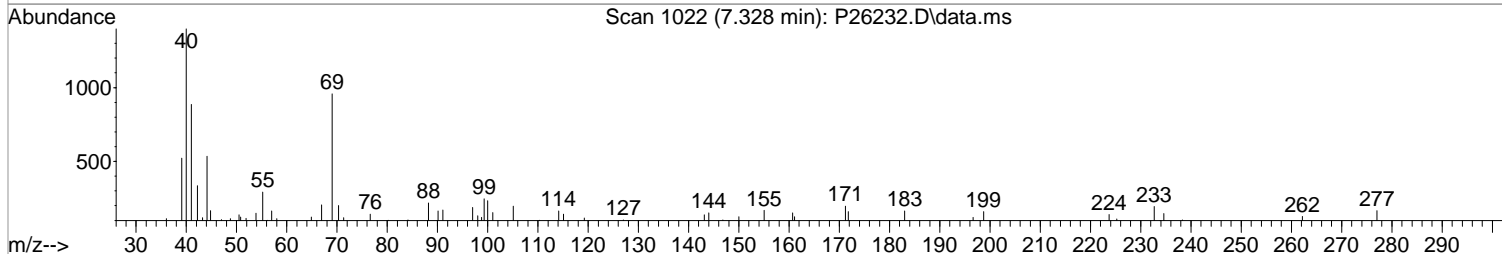
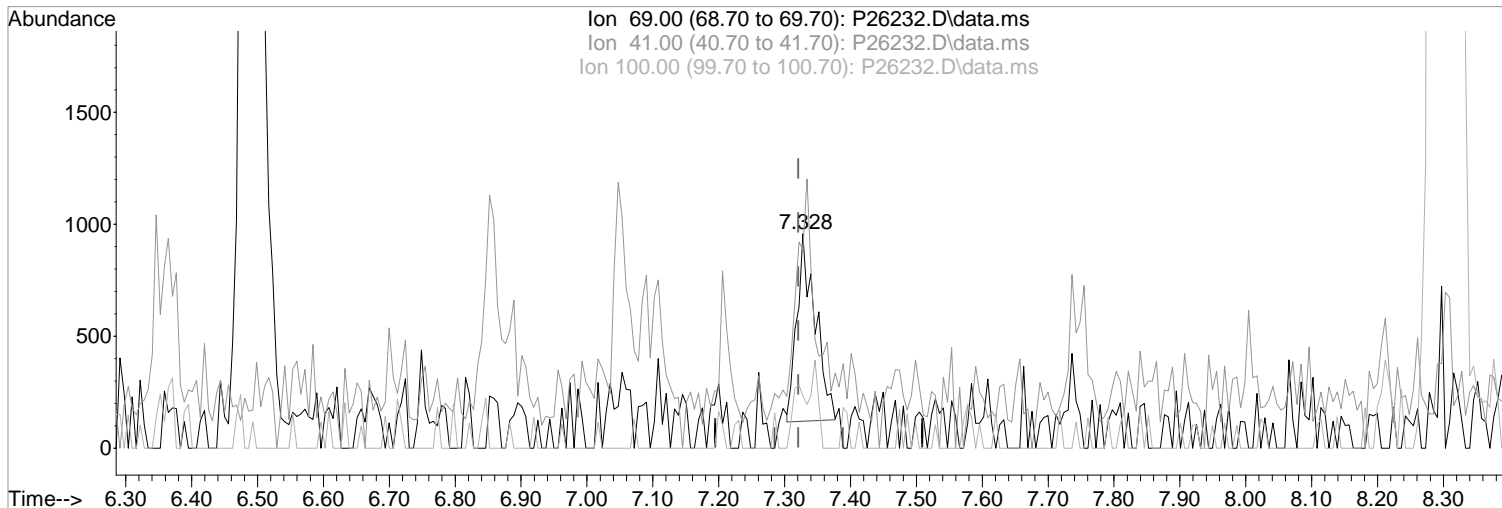
Ion	Exp%	Act%
93.00	100	100
174.00	127.30	71.73#
176.00	60.30	47.03
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(59) Methyl Methacrylate
7.328min (+0.007) 0.52 ppb m
response 1632

Manual Integration:
After
Poor integration.

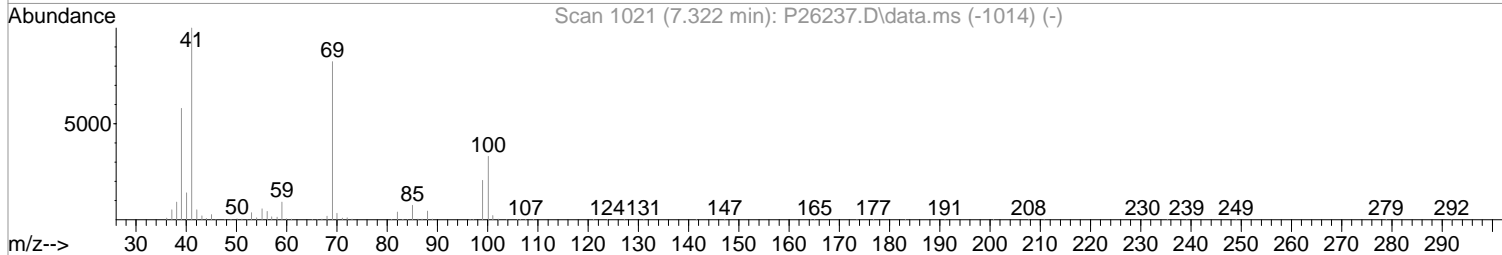
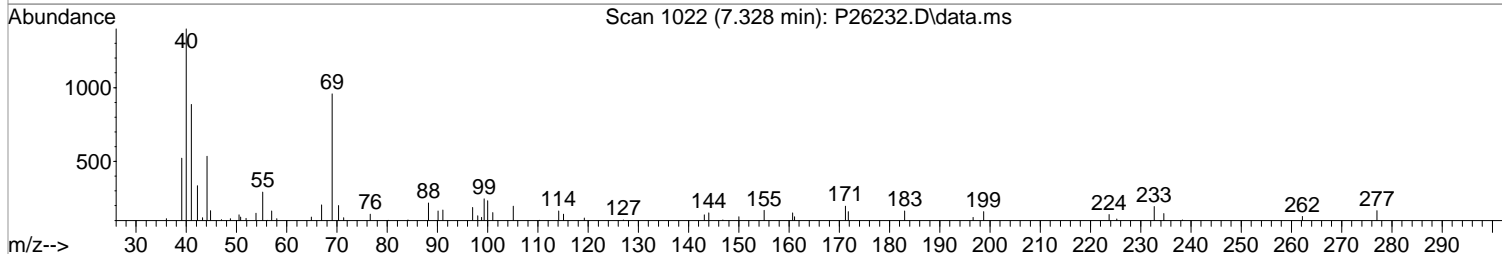
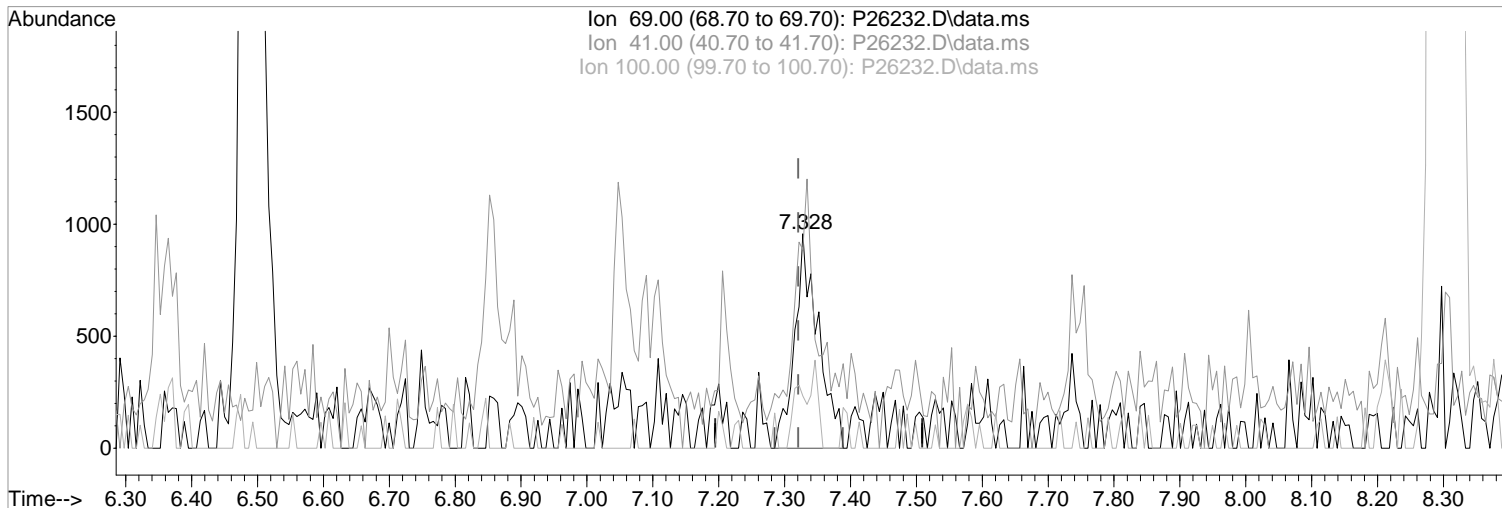
Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(59) Methyl Methacrylate
7.328min (+0.007) 0.76 ppb
response 2388

Manual Integration:
Before

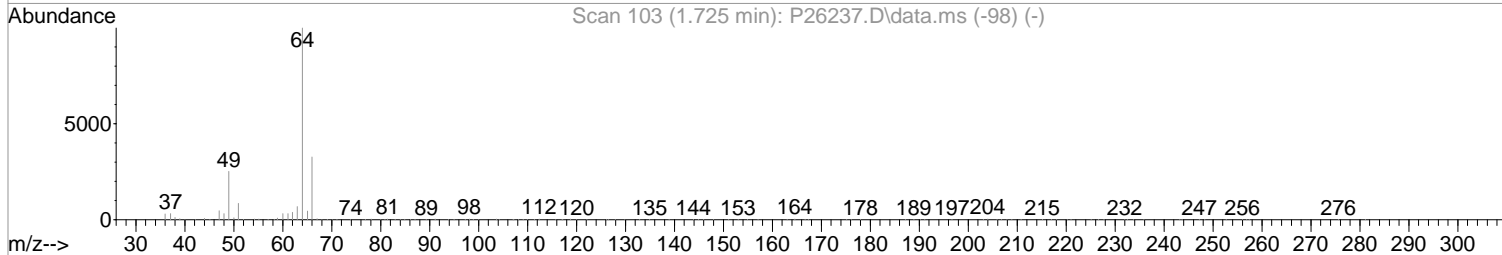
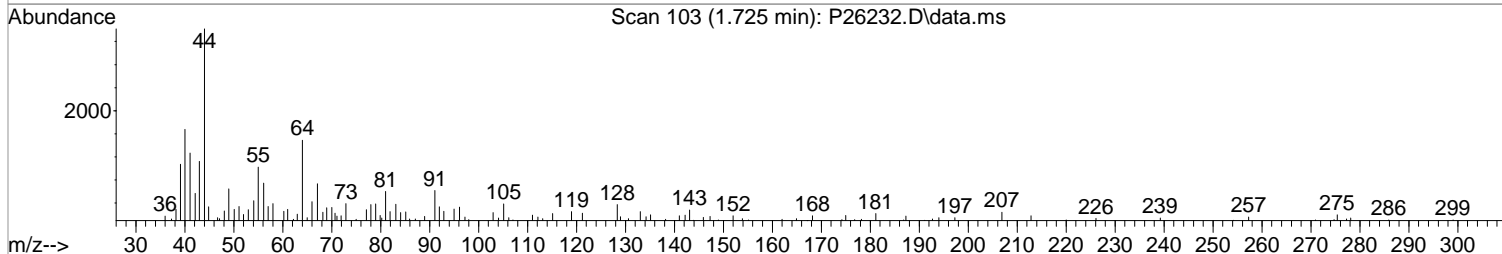
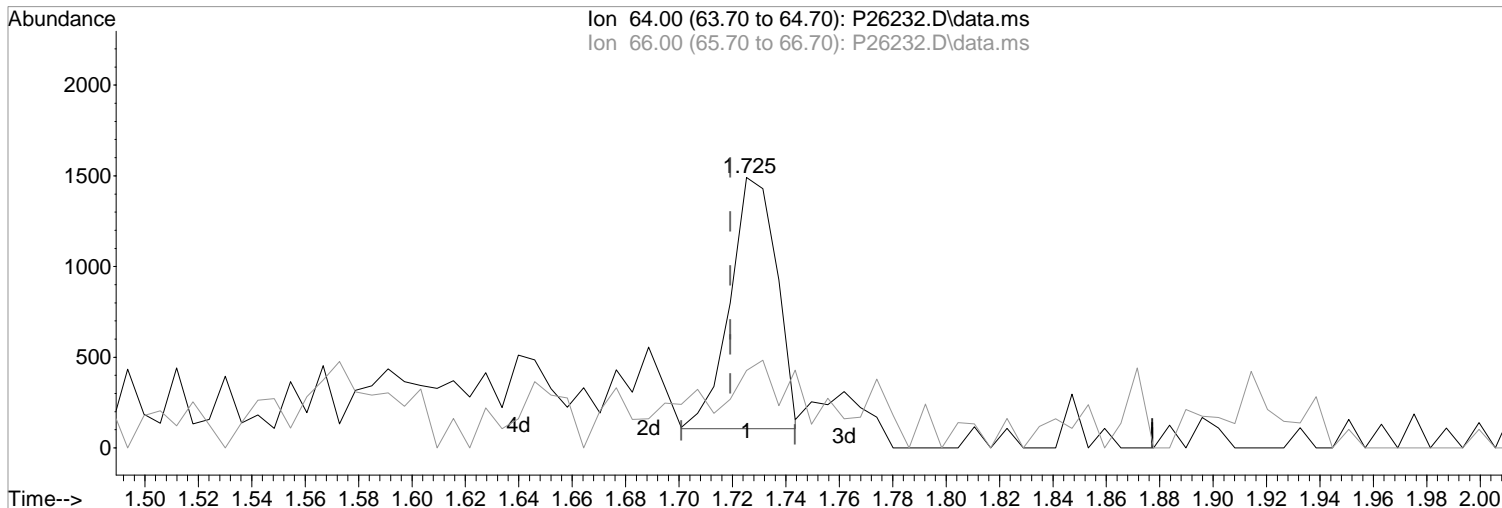
Ion	Exp%	Act%
69.00	100	100
41.00	121.90	92.69#
100.00	39.90	24.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(6) Chloroethane (P)

1.725min (+0.006) 0.53 ppb m

response 1679

Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

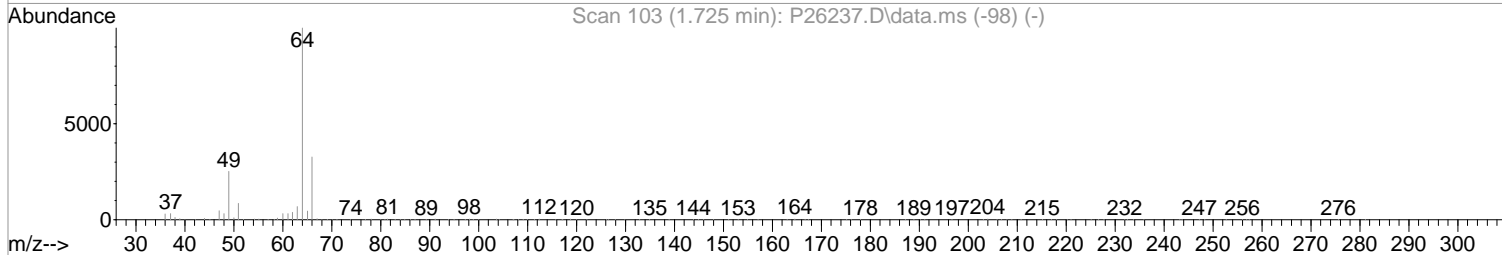
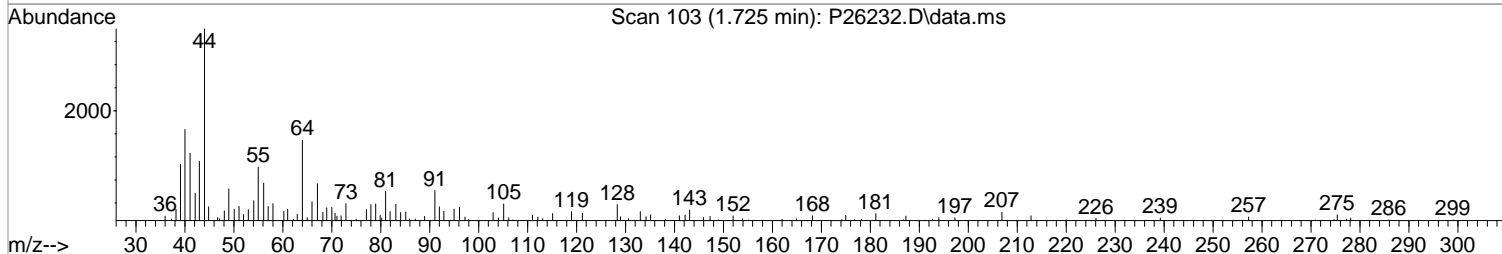
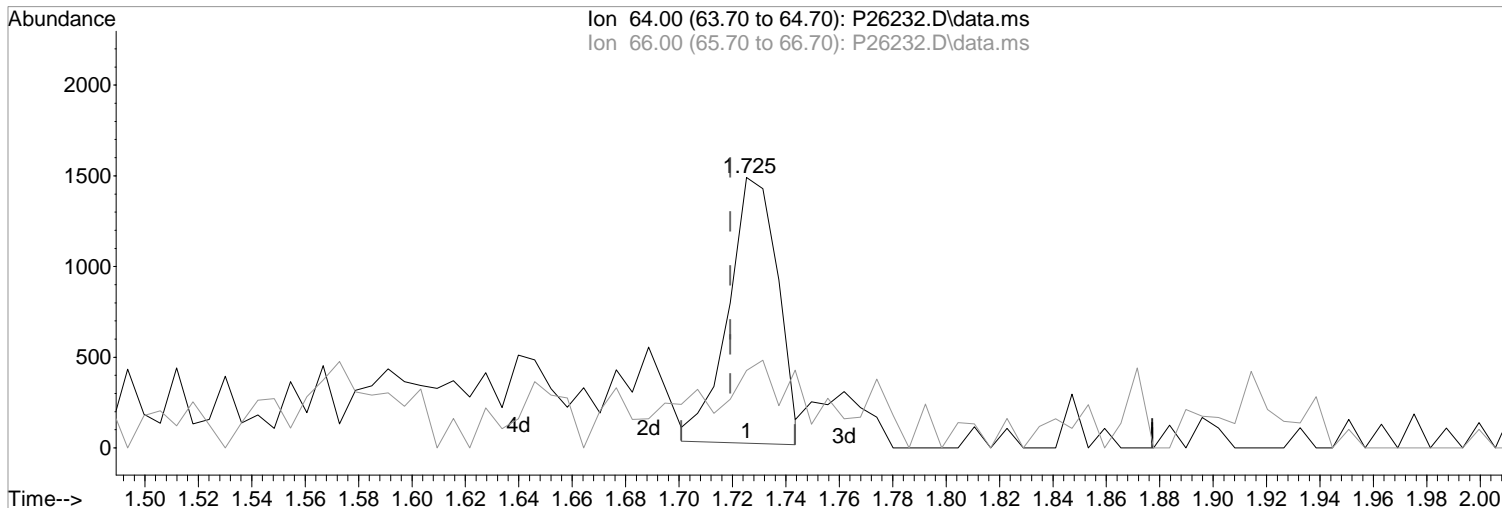
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26232.D\data.ms

(6) Chloroethane (P)
1.725min (+0.006) 0.59 ppb
response 1881

Manual Integration:
Before

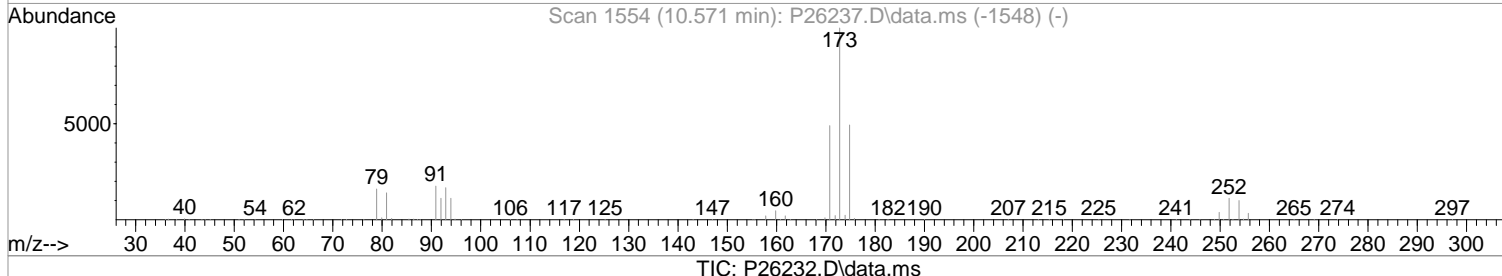
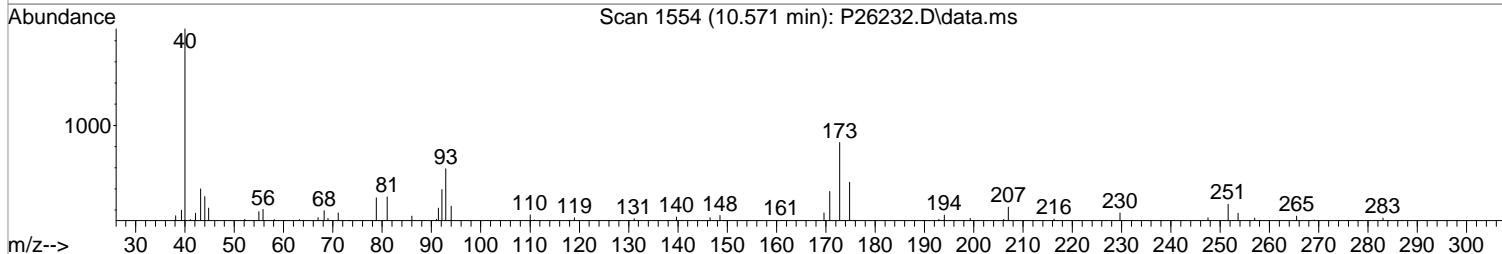
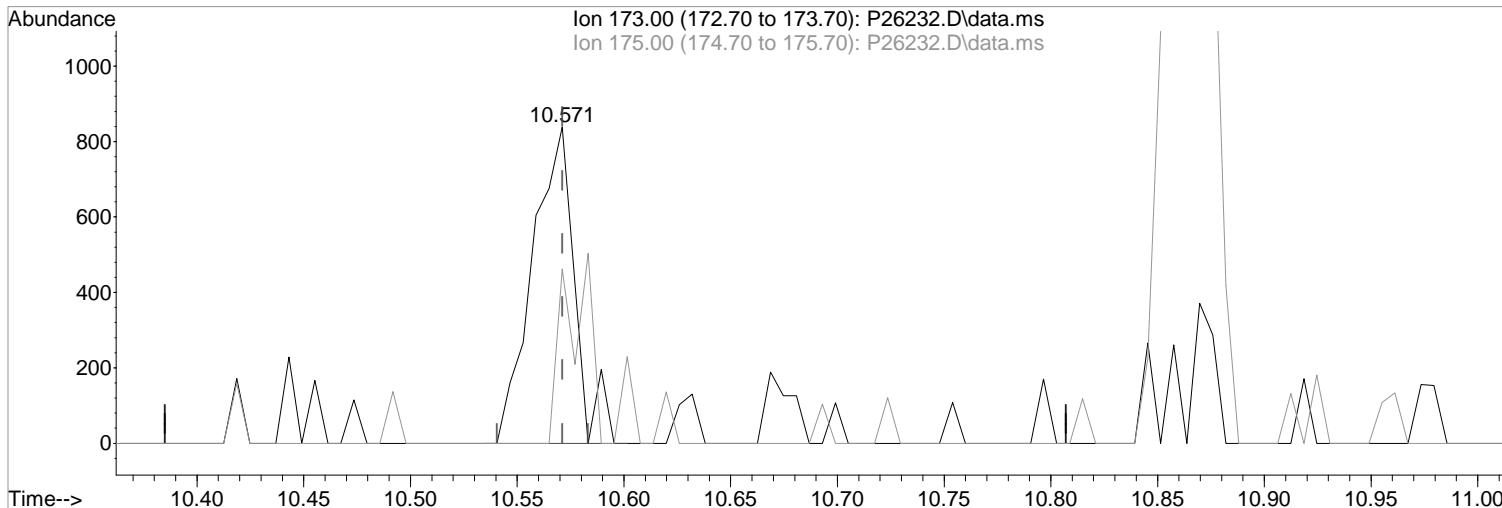
Ion	Exp%	Act%
64.00	100	100
66.00	32.70	28.64
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(87) Bromoform (P)
10.571min (-0.000) 0.40 ppb m
response 1158

Manual Integration:

After
Split Peak

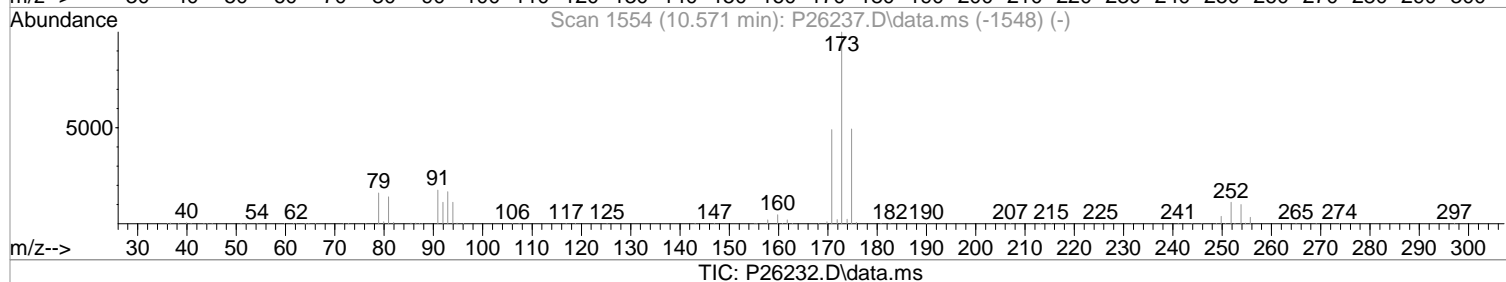
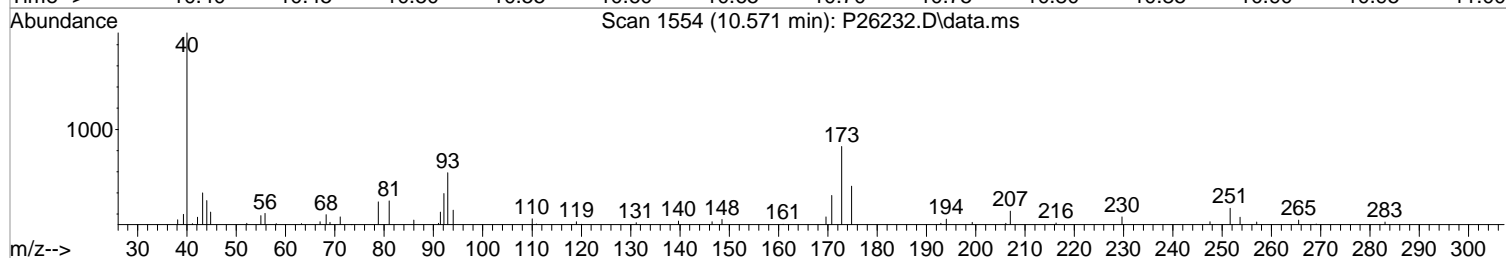
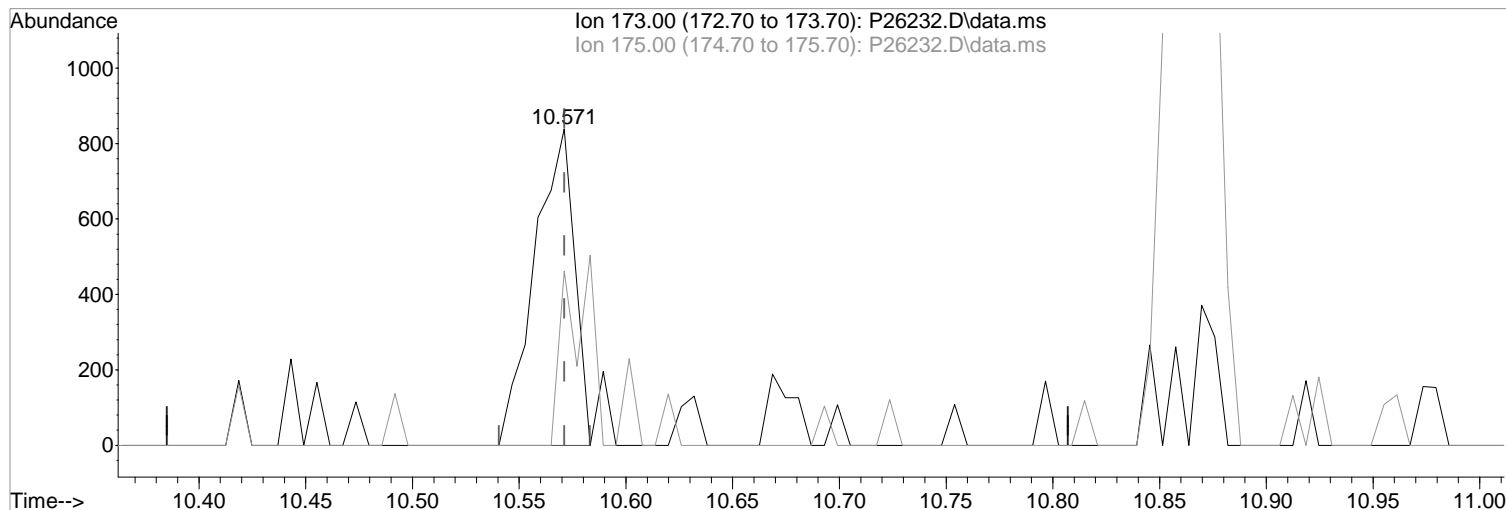
Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26232.D
Acq On : 1 May 2019 12:47 pm
Operator : K.Ruest
Sample : 0.5ppb
Misc : 8260/624 ICAL
ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:37 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(87) Bromoform (P)

Manual Integration:

10.571min (-0.000) 0.38 ppb

Before

response 1086

Ion	Exp%	Act%
173.00	100	100
175.00	49.40	55.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	365748	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	511994	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	456203	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	246989	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	33238	11.29	ppb	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	22.58%#	
48) surr1,1,2-dichloroetha...	5.792	65	40490	12.61	ppb	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	25.22%#	
65) SURR3,Toluene-d8	8.303	98	150653	12.33	ppb	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	24.66%#	
70) SURR2,BFB	10.864	95	53478	11.20	ppb	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	22.40%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.219	85	1723	0.50	ppb	88
3) Chloromethane	1.341	50	1663	0.53	ppb	86
4) Vinyl Chloride	1.420	62	2149m	0.56	ppb	
5) Bromomethane	1.658	94	2304	0.60	ppb	80
6) Chloroethane	1.725	64	1679m	0.53	ppb	
7) Freon 21	1.872	67	2873	0.52	ppb	92
8) Trichlorofluoromethane	1.920	101	2450	0.51	ppb	96
9) Diethyl Ether	2.158	59	1673	0.60	ppb	# 62
10) Freon 123a	2.164	67	1774m	0.52	ppb	
11) Freon 123	2.213	83	2208	0.56	ppb	98
12) Acrolein	2.249	56	1641m	2.49	ppb	
13) 1,1-Dicethene	2.347	96	1716m	0.56	ppb	
14) Freon 113	2.353	101	1415	0.53	ppb	85
16) 2-Propanol	2.518	45	3642	9.61	ppb	77
17) Iodomethane	2.481	142	985m	0.29	ppb	
18) Carbon Disulfide	2.536	76	3885	0.53	ppb	85
20) Allyl Chloride	2.676	76	1042m	0.65	ppb	
21) Methyl Acetate	2.695	43	1320	0.42	ppb	96
22) Methylene Chloride	2.792	84	1891m	0.56	ppb	
23) TBA	2.914	59	6126	8.77	ppb	91
24) Acrylonitrile	3.042	53	3216m	2.02	ppb	
25) Methyl-t-Butyl Ether	3.097	73	5632	0.51	ppb	81
26) trans-1,2-Dichloroethene	3.091	96	1895m	0.57	ppb	
28) 1,1-Dicethane	3.579	63	2694	0.49	ppb	83
30) DIPE	3.713	45	4533	0.53	ppb	85
31) 2-Chloro-1,3-Butadiene	3.707	53	2382	0.58	ppb	76
32) ETBE	4.237	59	4310m	0.46	ppb	
33) 2,2-Dichloropropane	4.408	77	2501m	0.50	ppb	
34) cis-1,2-Dichloroethene	4.420	96	2083m	0.53	ppb	
36) Propionitrile	4.554	54	1858m	2.57	ppb	
37) Bromochloromethane	4.798	130	1529m	0.58	ppb	
40) Chloroform	4.993	83	3509m	0.61	ppb	
41) 1,1,1-Trichloroethane	5.273	97	2936m	0.54	ppb	
42) TAME	6.109	73	5294	0.53	ppb	83
46) Carbontetrachloride	5.566	117	1963	0.44	ppb	91
47) 1,1-Dichloropropene	5.572	75	2156m	0.52	ppb	
49) Benzene	5.877	78	7191	0.54	ppb	86
50) 1,2-Dichloroethane	5.920	62	2593	0.55	ppb	77
51) Iso-Butyl Alcohol	5.895	43	2743	9.62	ppb	92

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) n-Heptane	6.371	43	2815	0.80	ppb	# 62
53) 1-Butanol	6.858	56	3595m	18.49	ppb	
54) Trichloroethene	6.810	130	2049	0.50	ppb	# 82
55) Methylcyclohexane	7.053	55	2287m	0.59	ppb	
56) 1,2-Dicloropropane	7.084	63	1419m	0.45	ppb	
57) Dibromomethane	7.236	93	1128m	0.50	ppb	
59) Methyl Methacrylate	7.328	69	1632m	0.52	ppb	
60) Bromodichloromethane	7.462	83	2337	0.53	ppb	92
62) 2-Chloroethylvinyl Ether	7.870	63	1147	0.51	ppb	89
63) cis-1,3-Dichloropropene	8.004	75	2855	0.50	ppb	85
64) 4-Methyl-2-pentanone	8.212	43	1657	0.41	ppb	91
66) Toluene	8.376	91	7794	0.52	ppb	94
67) trans-1,3-Dichloropropene	8.651	75	2546	0.50	ppb	94
68) Ethyl Methacrylate	8.791	69	2666	0.49	ppb	100
69) 1,1,2-Trichloroethane	8.827	97	1816	0.50	ppb	# 73
72) Tetrachloroethene	8.962	164	1696	0.52	ppb	93
74) 1,3-Dichloropropane	8.998	76	2992	0.54	ppb	# 72
75) Dibromochloromethane	9.224	129	2083	0.52	ppb	# 81
76) N-Butyl Acetate	9.279	43	3522	0.60	ppb	77
77) 1,2-Dibromoethane	9.321	107	1774	0.48	ppb	# 60
78) Chlorobenzene	9.815	112	4498	0.45	ppb	85
79) 3-CBTF	9.833	180	2777	0.48	ppb	# 73
80) 4-CBTF	9.888	180	2690	0.51	ppb	83
81) 1,1,1,2-Tetrachloroethane	9.907	131	2054	0.53	ppb	# 78
82) Ethylbenzene	9.943	106	2416	0.45	ppb	# 84
83) (m+p)Xylene	10.053	106	6256	0.93	ppb	89
84) o-Xylene	10.406	106	3563	0.52	ppb	88
85) Styrene	10.425	104	4949	0.47	ppb	97
87) Bromoform	10.571	173	1158m	0.40	ppb	
88) 2-CBTF	10.650	180	2894	0.53	ppb	99
89) Isopropylbenzene	10.742	105	8205	0.53	ppb	81
90) Cyclohexanone	10.803	55	6232	8.04	ppb	90
91) trans-1,4-Dichloro-2-B...	11.053	53	836	0.65	ppb	90
92) 1,1,2,2-Tetrachloroethane	10.998	83	2234	0.48	ppb	95
93) Bromobenzene	10.992	156	2509	0.54	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	854	0.48	ppb	# 67
95) n-Propylbenzene	11.095	91	9161	0.54	ppb	97
96) 2-Chlorotoluene	11.162	91	6240	0.60	ppb	95
97) 3-Chlorotoluene	11.217	91	4847	0.49	ppb	# 97
98) 4-Chlorotoluene	11.254	91	6585	0.55	ppb	84
99) 1,3,5-Trimethylbenzene	11.254	105	7094	0.54	ppb	86
100) tert-Butylbenzene	11.522	119	6224	0.52	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	6308	0.49	ppb	95
102) 3,4-DCBTF	11.626	214	2003	0.43	ppb	89
103) sec-Butylbenzene	11.705	105	9004	0.54	ppb	92
104) p-Isopropyltoluene	11.827	119	7953	0.55	ppb	98
105) 1,3-Dclbenz	11.784	146	4284	0.51	ppb	96
106) 1,4-Dclbenz	11.857	146	4080	0.48	ppb	# 62
107) 2,4-DCBTF	11.918	214	2115	0.51	ppb	# 83
108) 2,5-DCBTF	11.949	214	2156	0.46	ppb	# 71
109) n-Butylbenzene	12.162	91	6787	0.56	ppb	96
110) 1,2-Dclbenz	12.162	146	3979	0.48	ppb	# 72
111) 1,2-Dibromo-3-chloropr...	12.778	157	931	0.56	ppb	# 69
112) Trielution Dichlorotol...	12.900	125	9742	1.39	ppb	87
113) 1,3,5 Trichlorobenzene	12.955	180	3311	0.50	ppb	88
114) Coelution Dichlorotoluene	13.229	125	8050	1.03	ppb	# 91

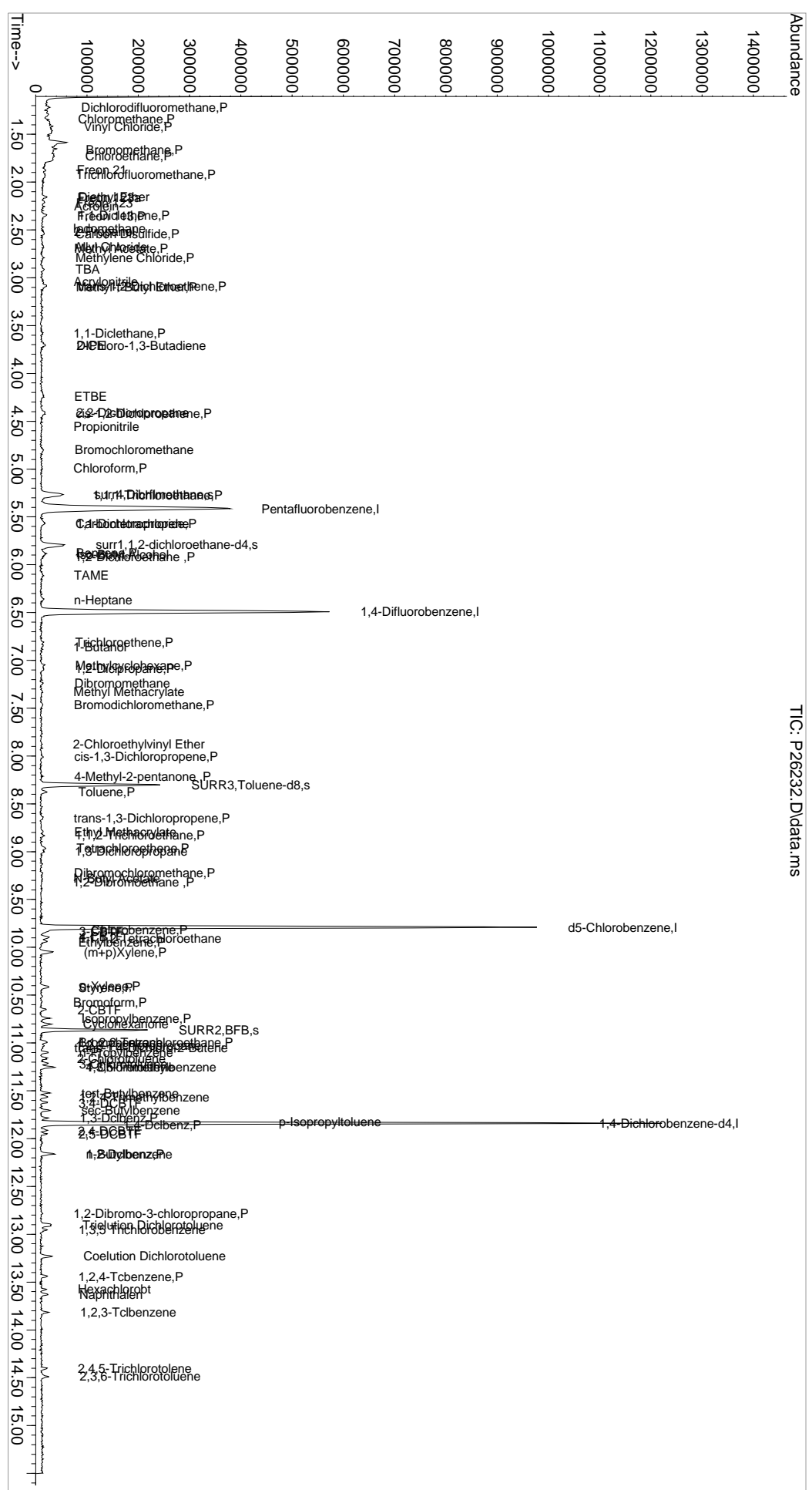
Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
115) 1,2,4-Tcbenzene	13.442	180	3553	0.51	ppb	96
116) Hexachlorobt	13.577	225	1478	0.49	ppb #	84
117) Naphthalen	13.631	128	9310	0.46	ppb	94
118) 1,2,3-Tclbenzene	13.814	180	3067	0.42	ppb #	76
119) 2,4,5-Trichlorotolene	14.406	159	2309m	0.52	ppb	
120) 2,3,6-Trichlorotoluene	14.485	159	3073	0.59	ppb	95

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

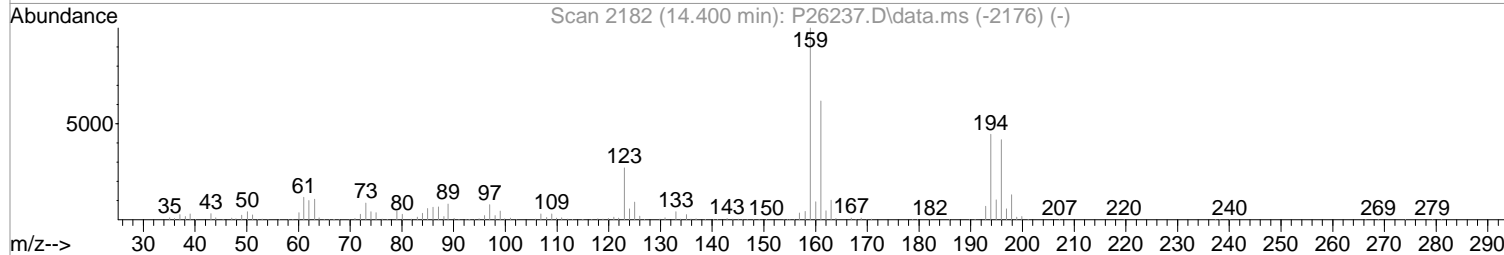
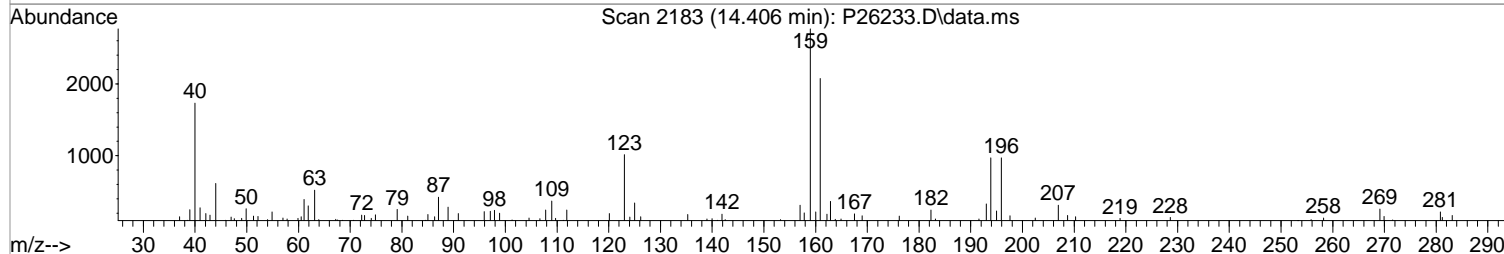
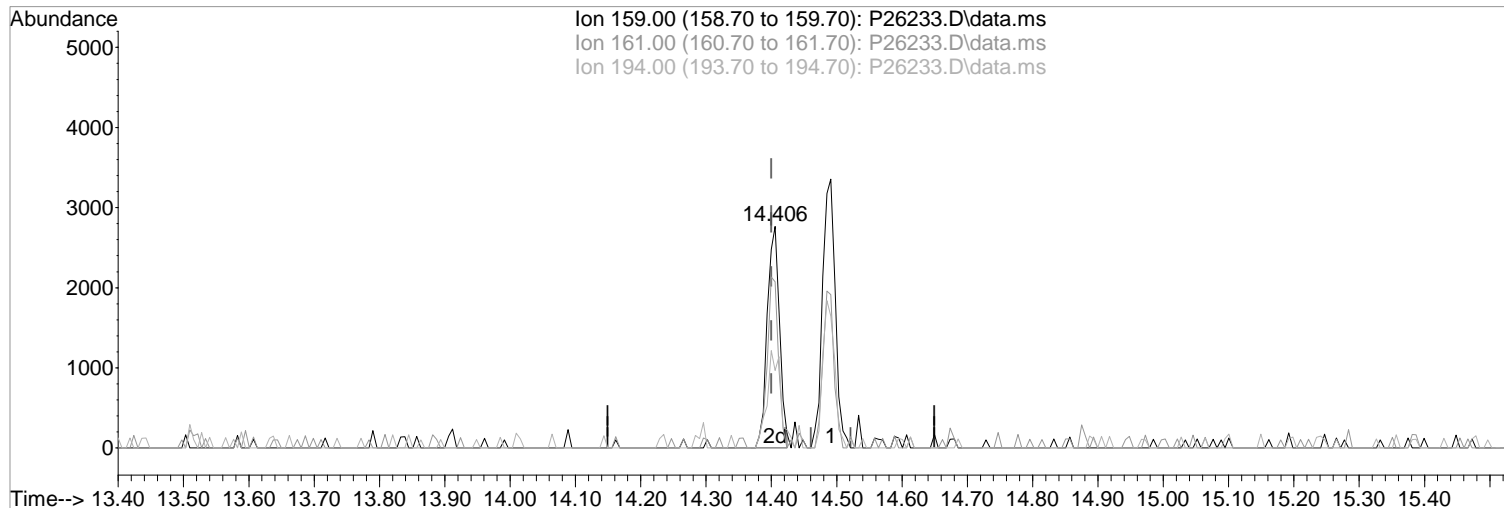
Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26232.D
 Acq On : 1 May 2019 12:47 pm
 Operator : K.Ruest
 Sample : 0.5ppb
 Disc : 8260/624 ICAL
 PALS Vial : 1 Sample Multiplier: 1
 Inst : MSVOA-12
 Quant Time: May 01 16:45:02 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(119) 2,4,5-Trichlorotolene
14.406min (+0.006) 0.88 ppb m
response 3660

Manual Integration:
After
Wrong peak selected.

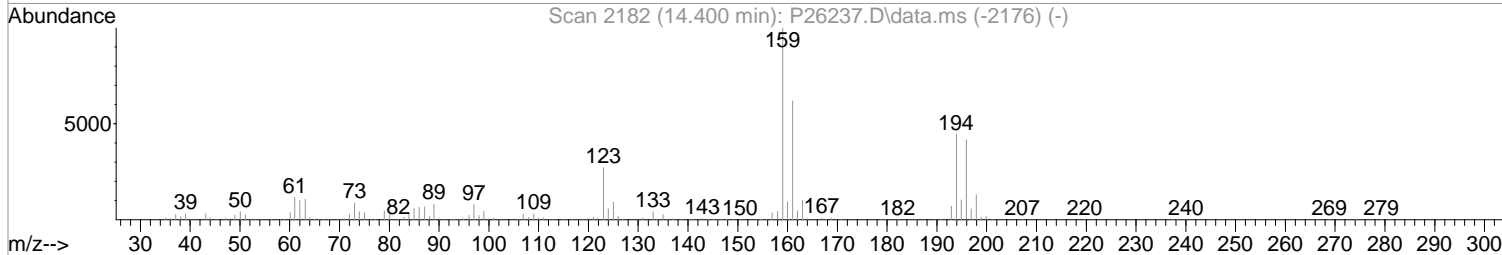
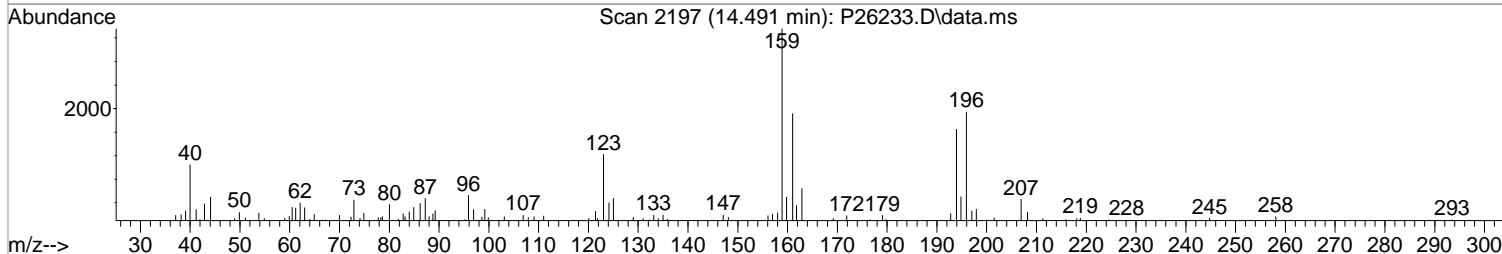
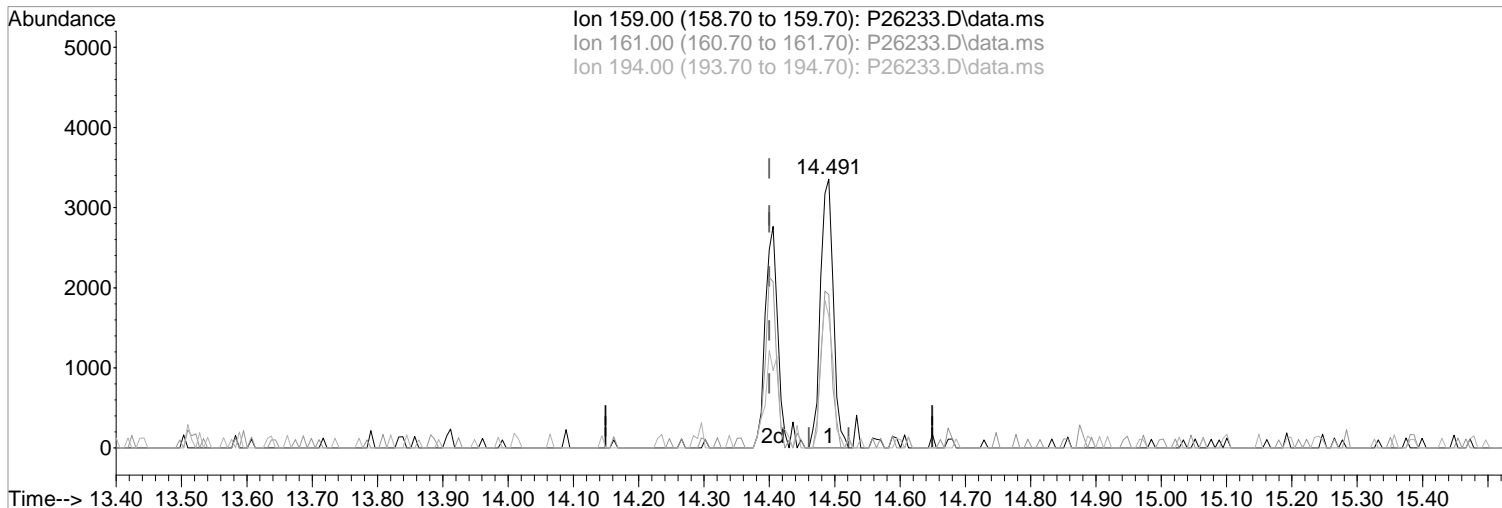
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	74.92#
194.00	44.50	35.02#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(119) 2,4,5-Trichlorotolene
14.491min (+0.091) 1.10 ppb
response 4567

Manual Integration:
Before

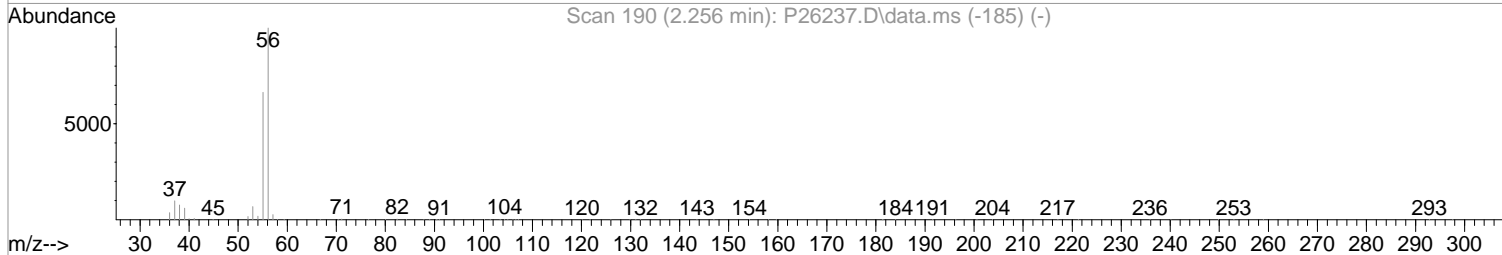
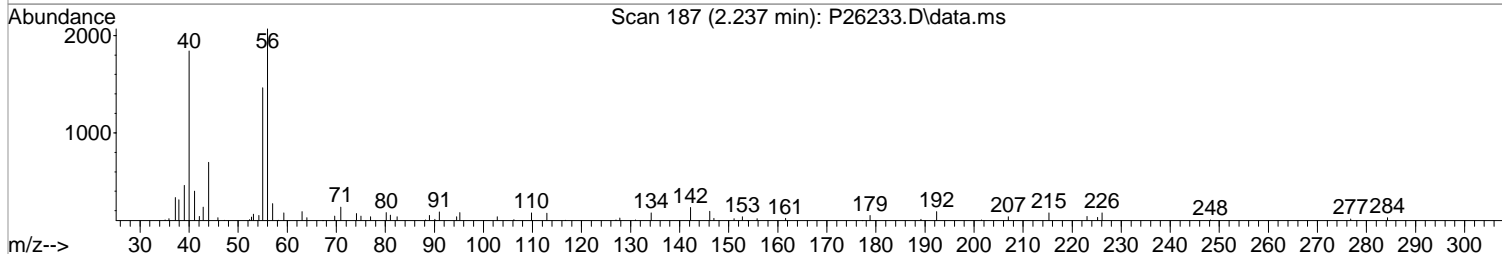
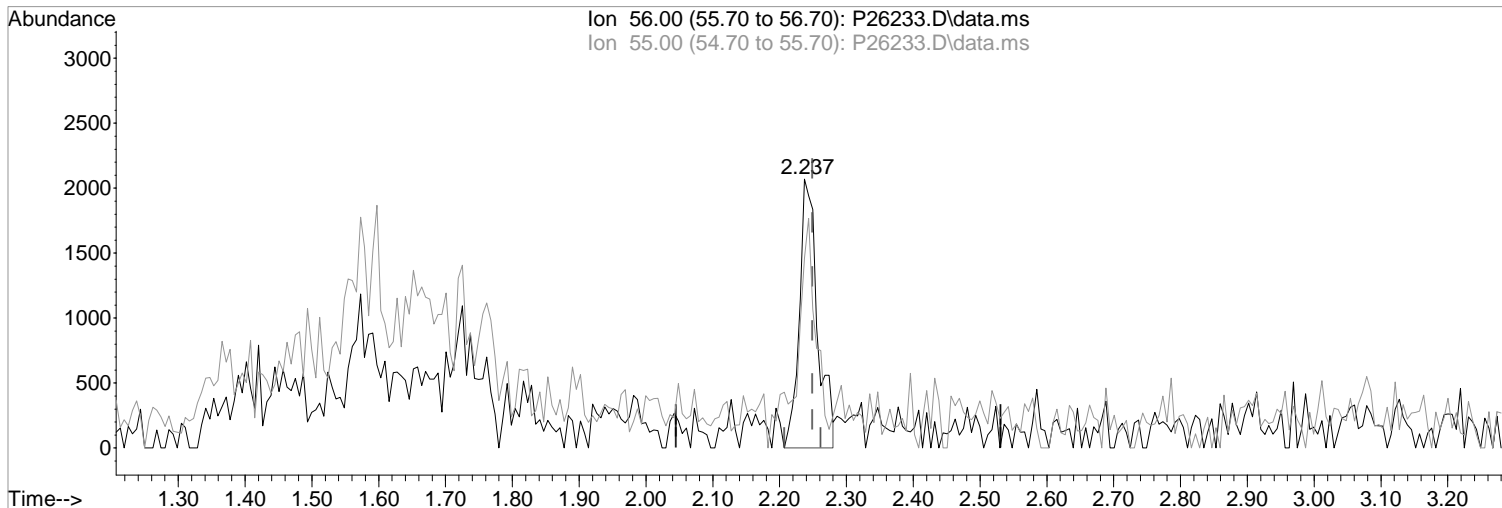
Ion	Exp%	Act%
159.00	100	100
161.00	61.80	57.02
194.00	44.50	49.09
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(12) Acrolein

2.237min (-0.012) 6.20 ppb m
response 3922

Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

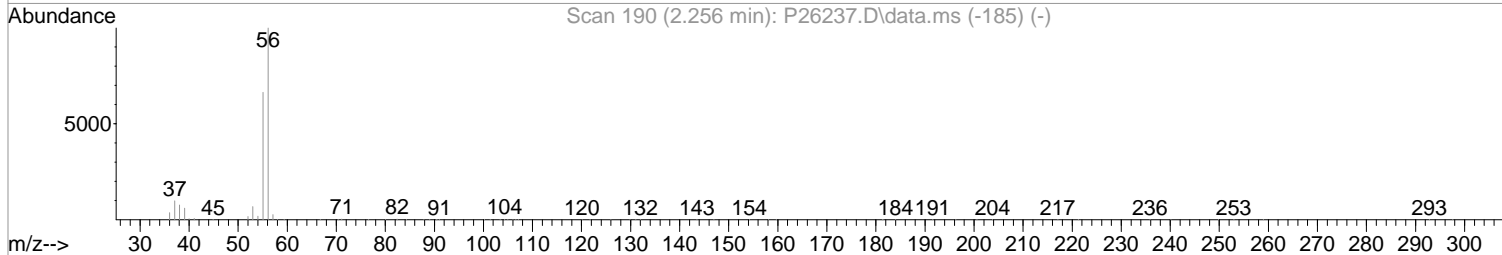
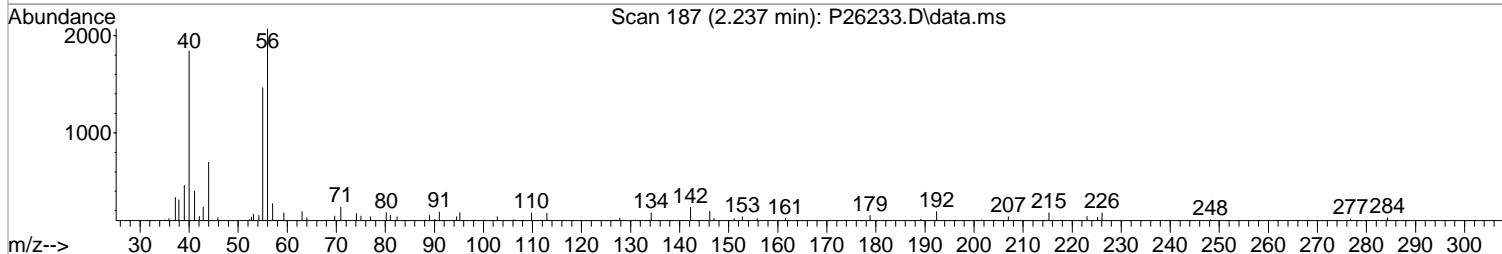
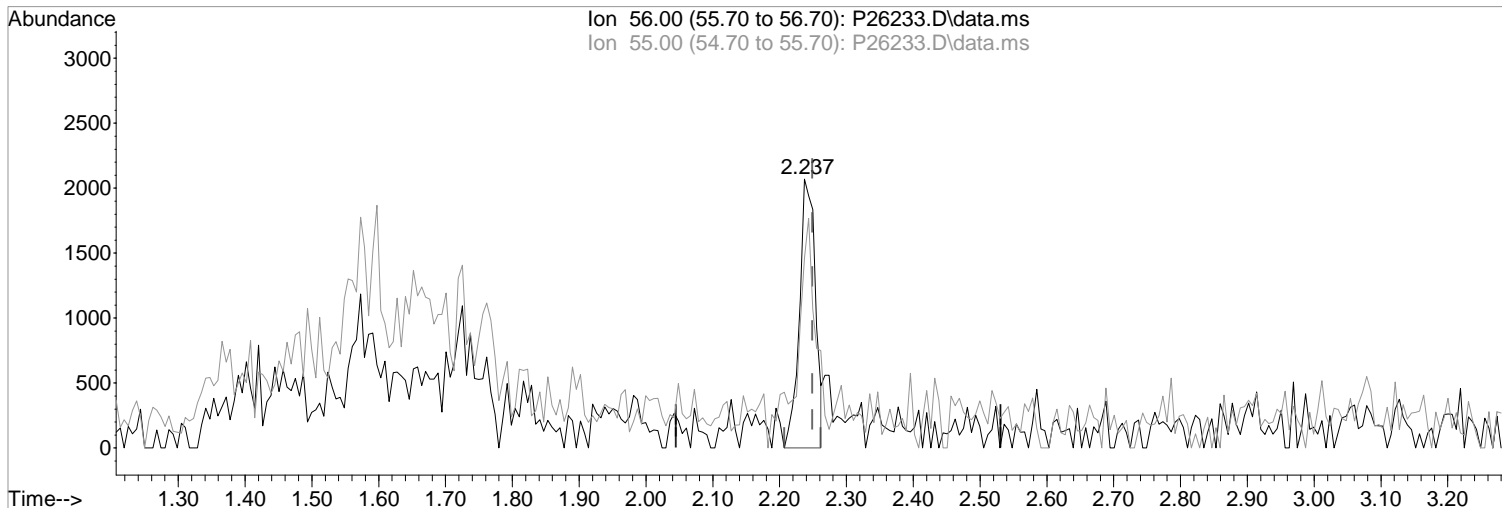
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(12) Acrolein

Manual Integration:

2.237min (-0.012) 5.44 ppb

Before

response 3441

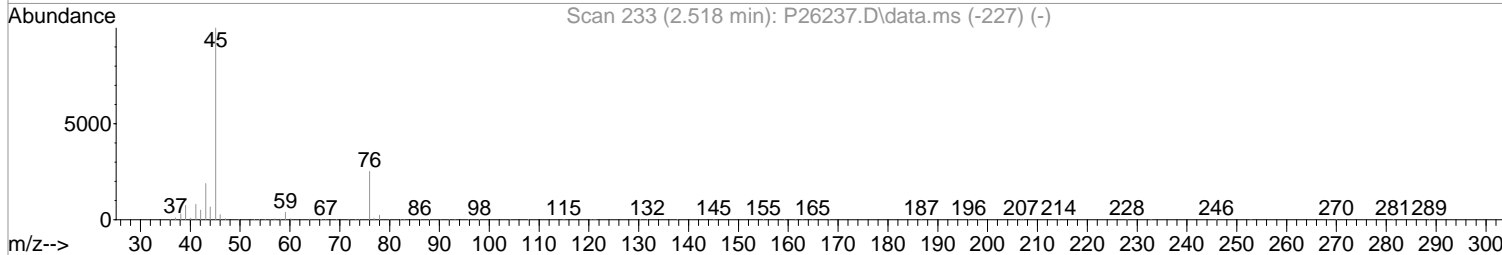
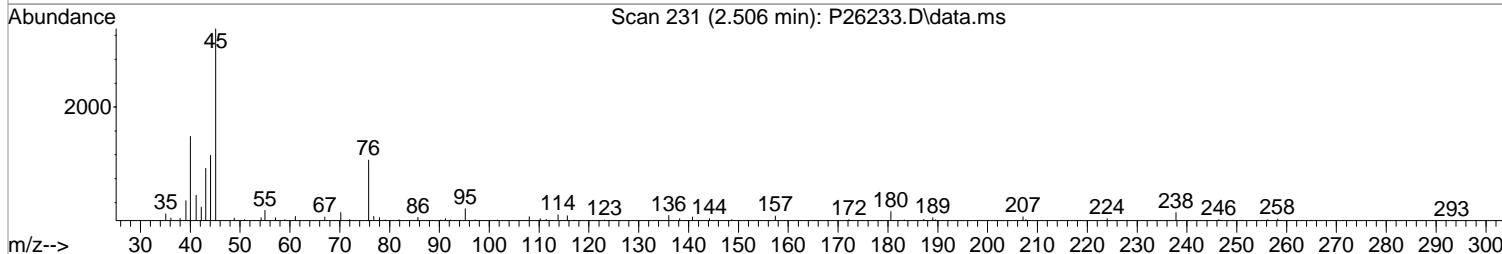
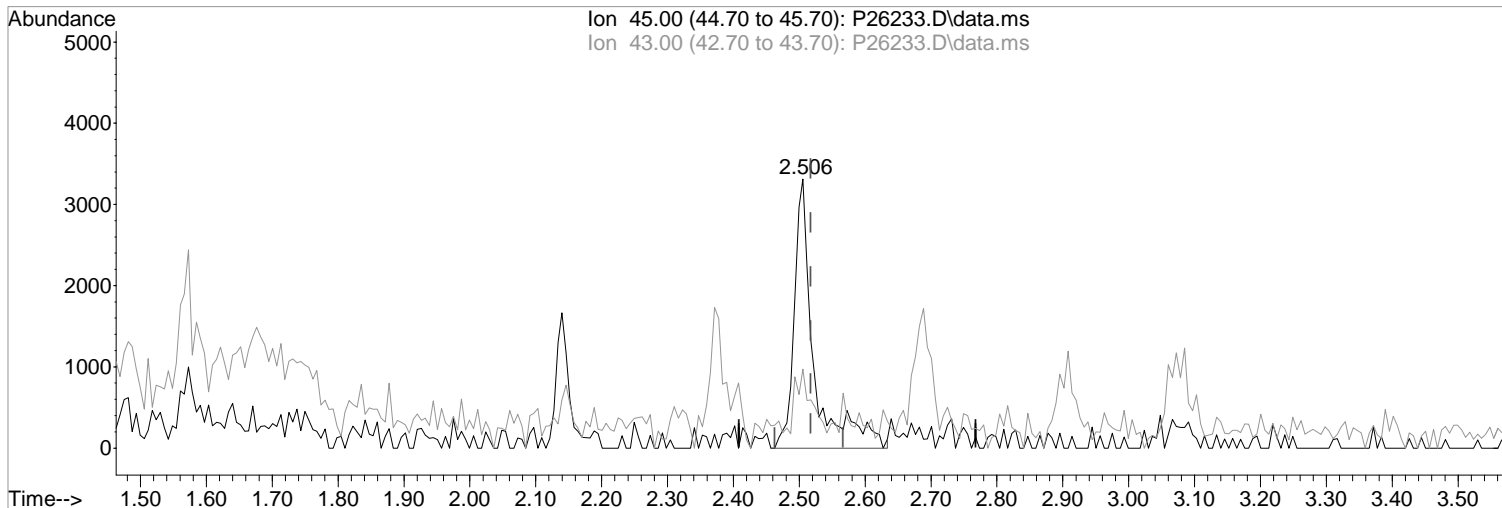
Ion	Exp%	Act%
56.00	100	100
55.00	67.10	70.63
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 18.82 ppb m
response 6859

Manual Integration:
After
Poor integration.

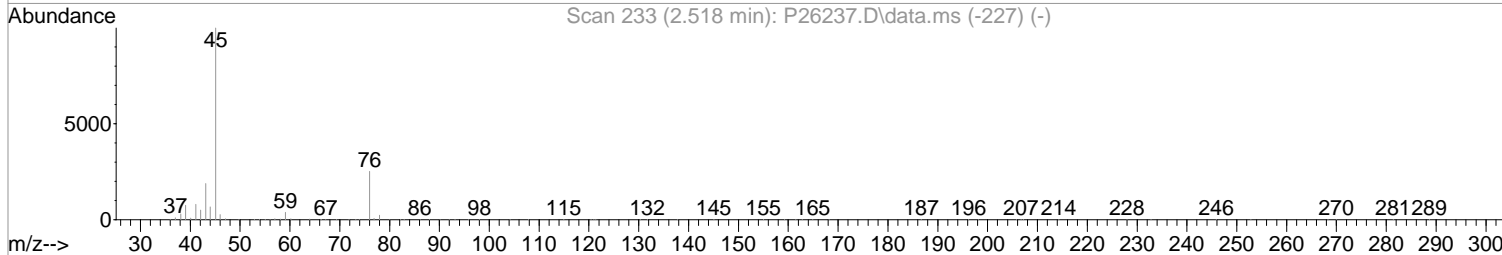
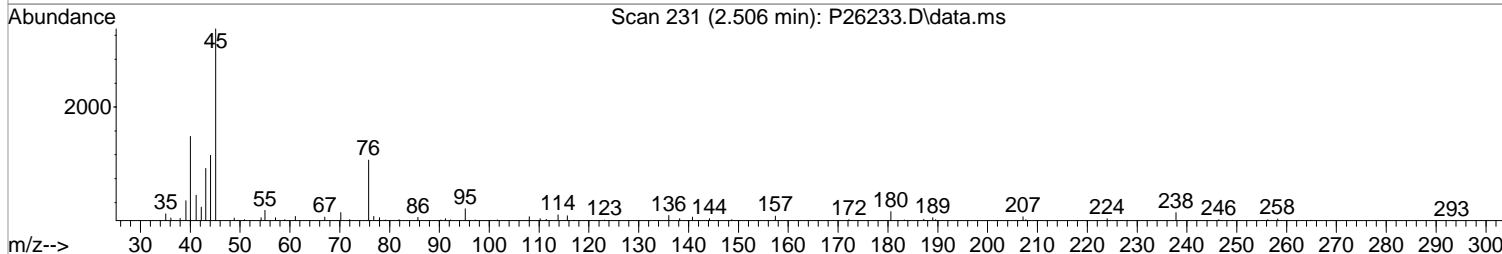
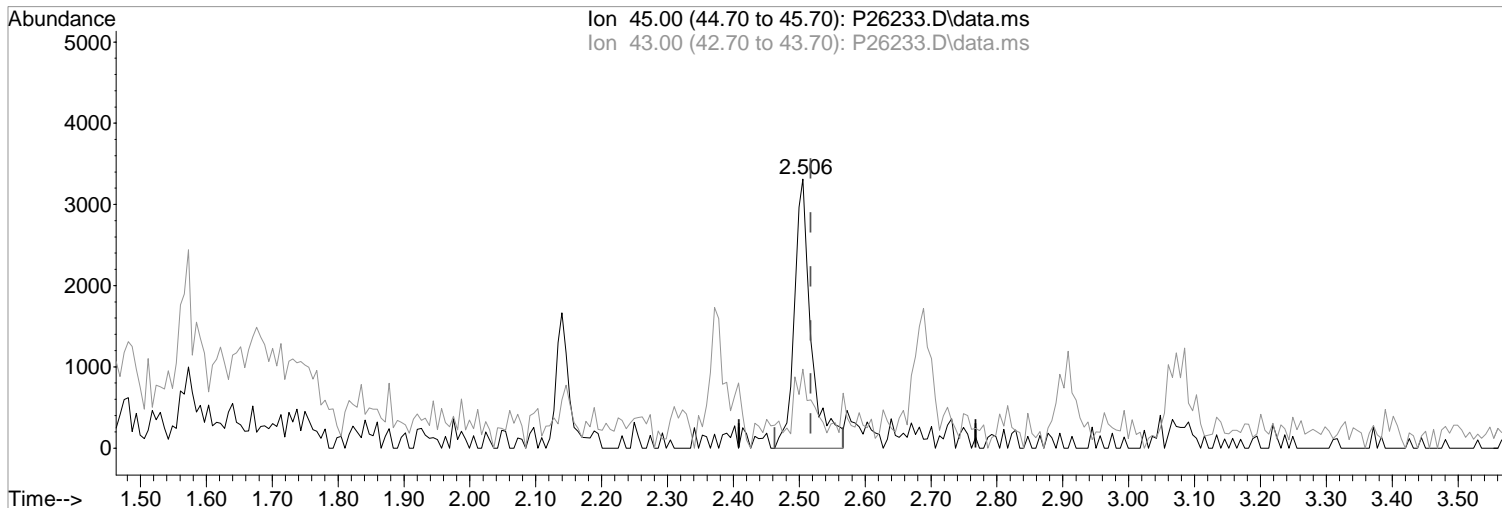
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 16.28 ppb
response 5931

Manual Integration:
Before

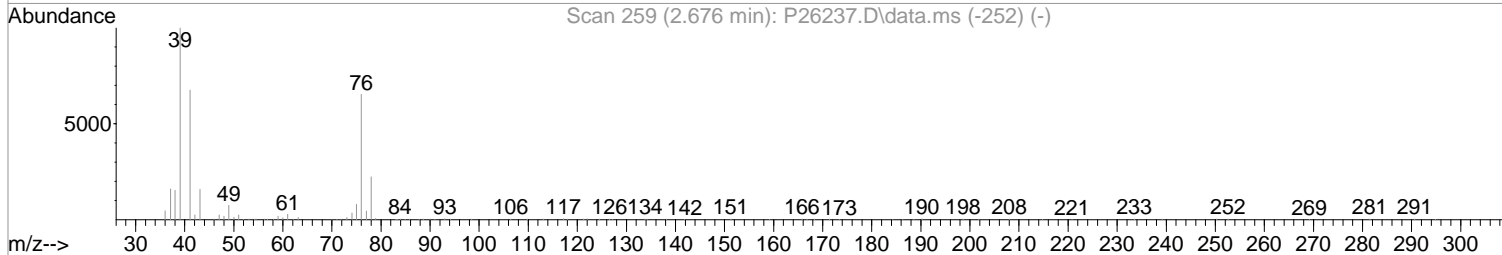
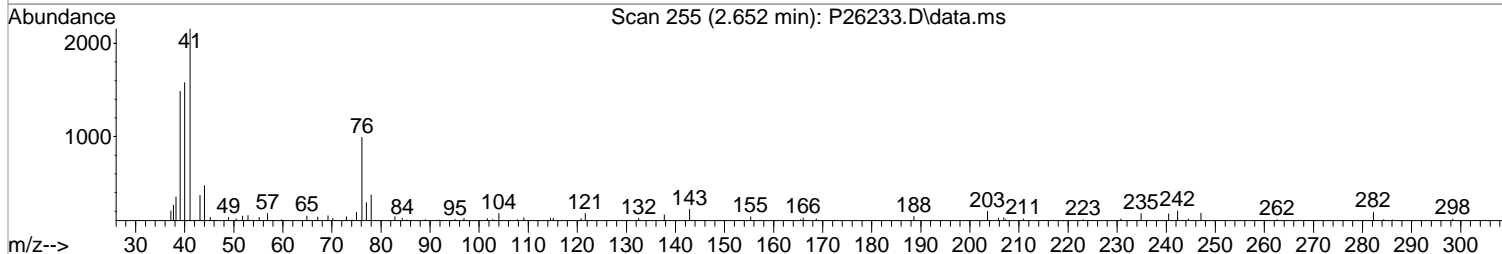
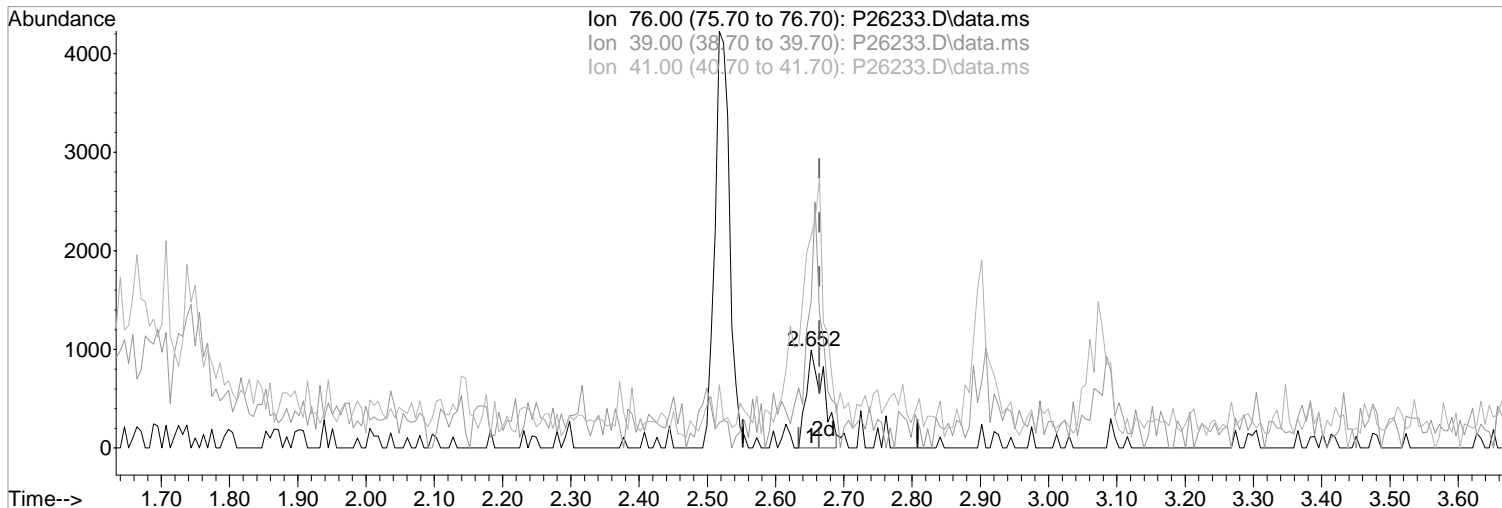
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	29.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(20) Allyl Chloride

2.652min (-0.012) 1.15 ppb m

response 1765

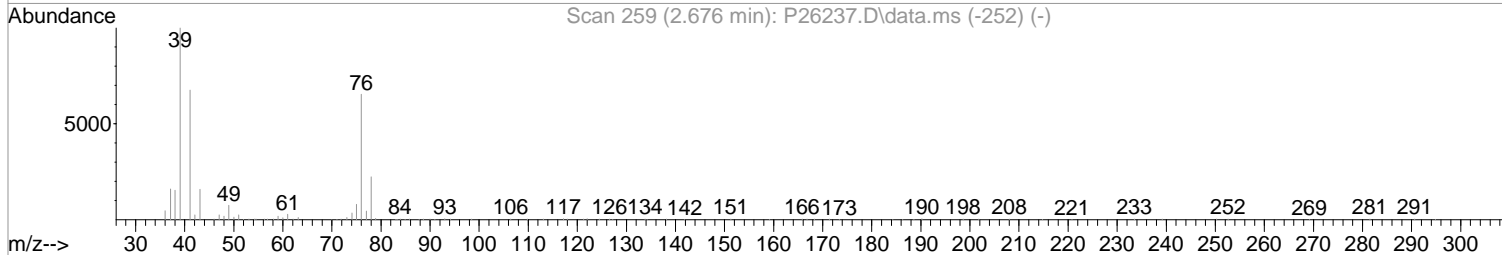
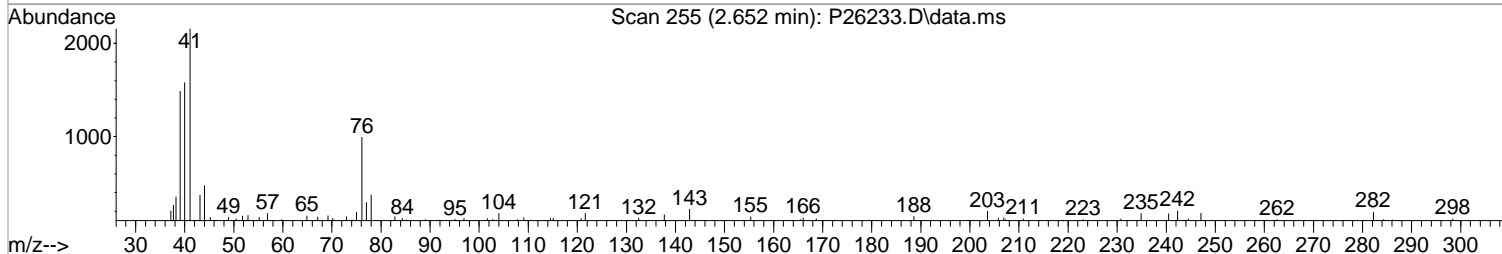
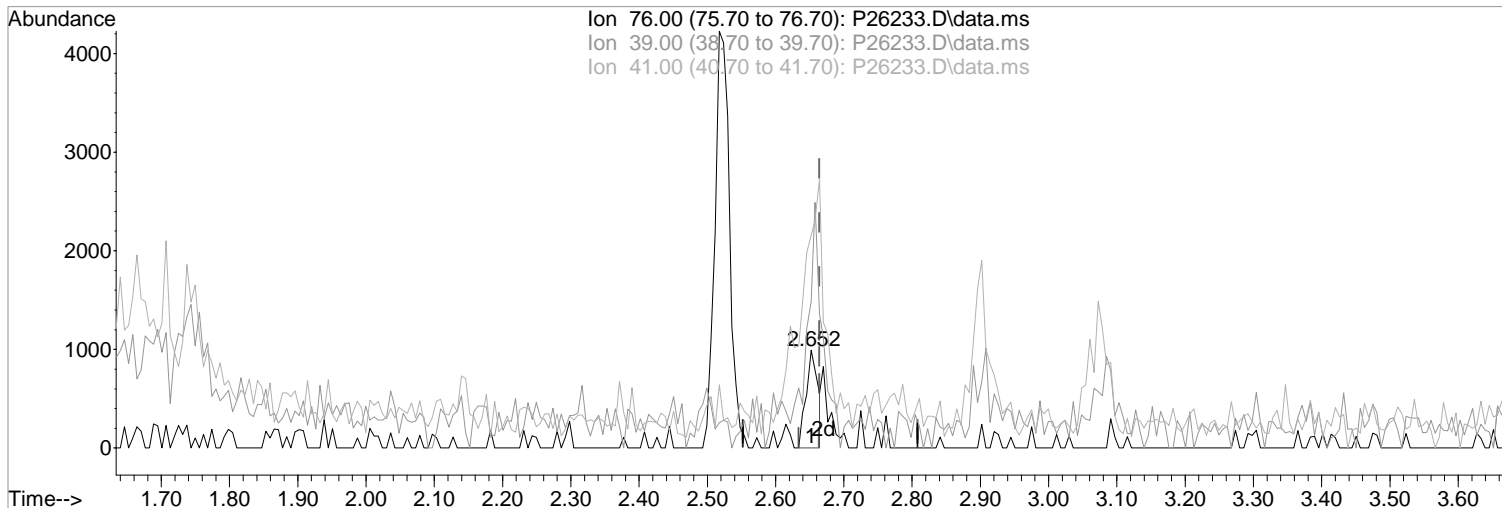
Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(20) Allyl Chloride

Manual Integration:

2.652min (-0.012) 0.77 ppb

Before

response 1183

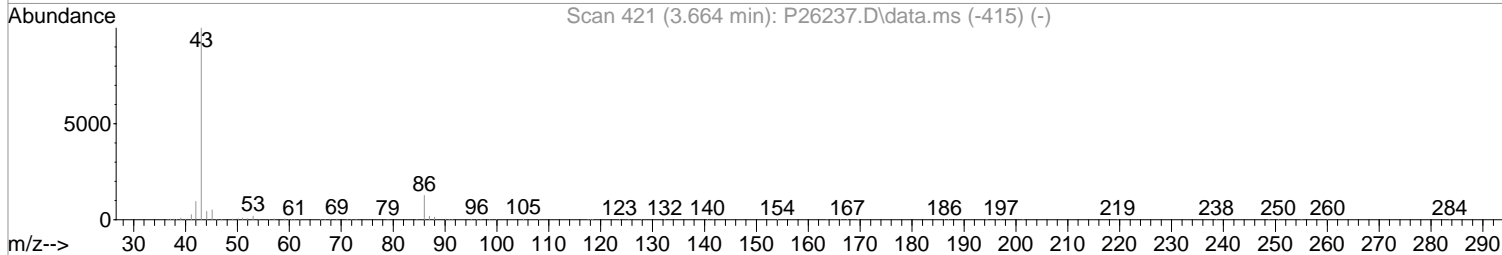
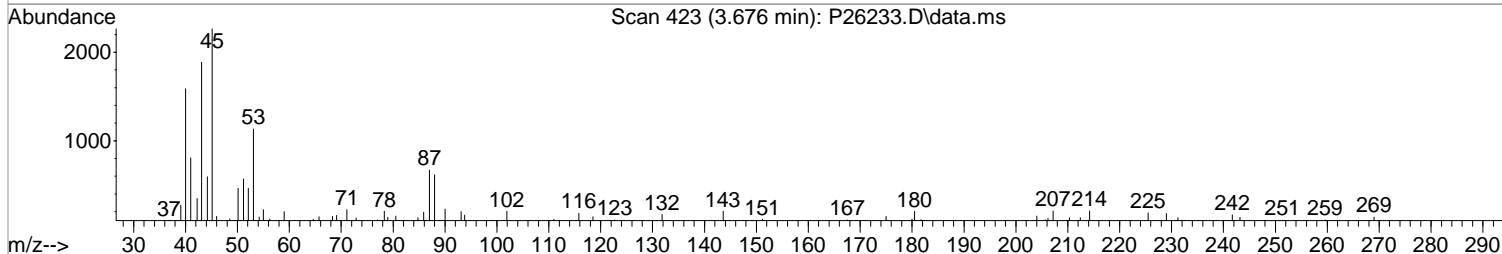
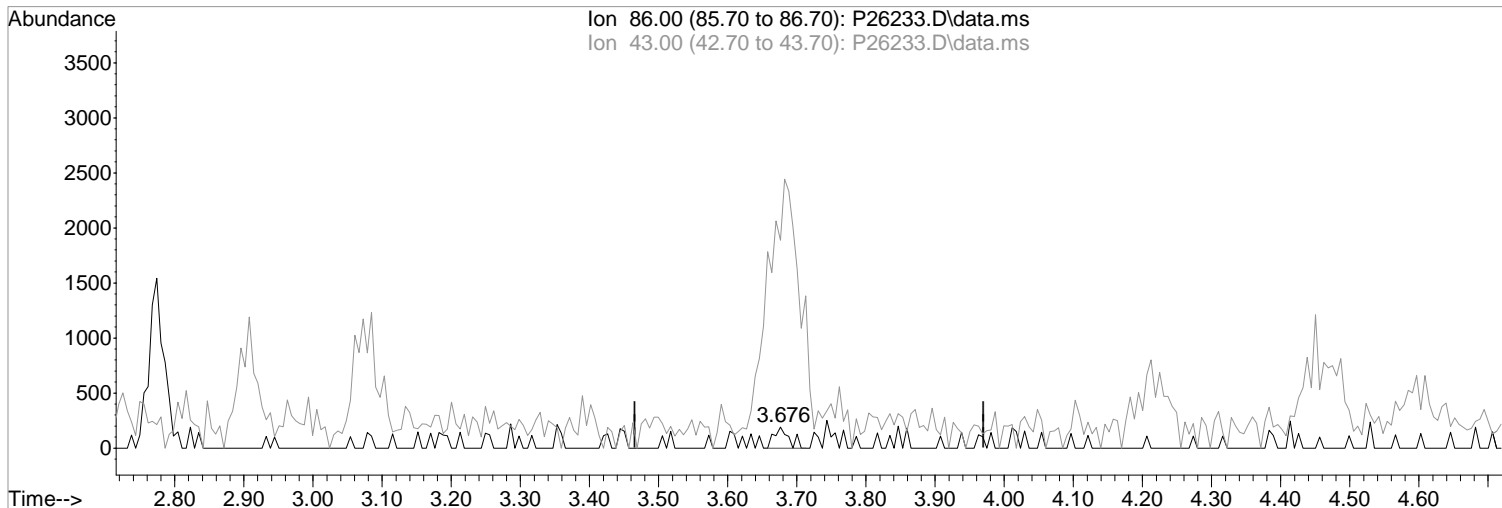
Ion	Exp%	Act%
76.00	100	100
39.00	179.40	149.95#
41.00	248.40	217.56#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(29) Vinyl Acetate
3.676min (+0.012) 0.44 ppb m
response 288

Manual Integration:
After
Peak not found.

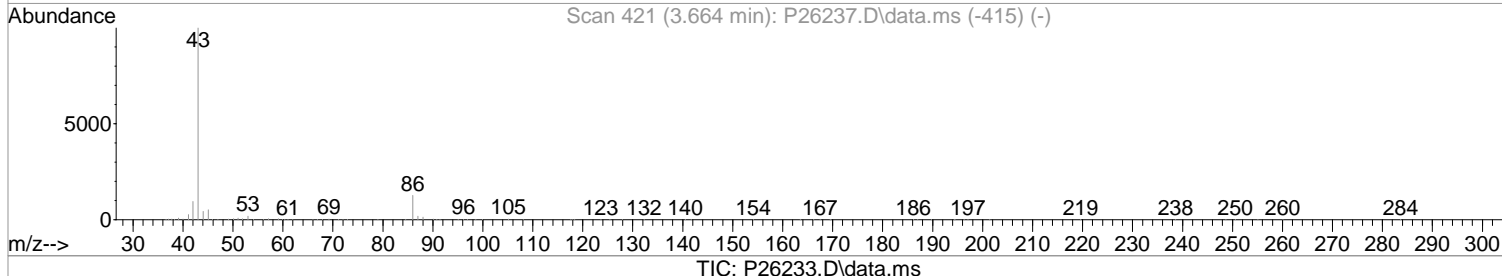
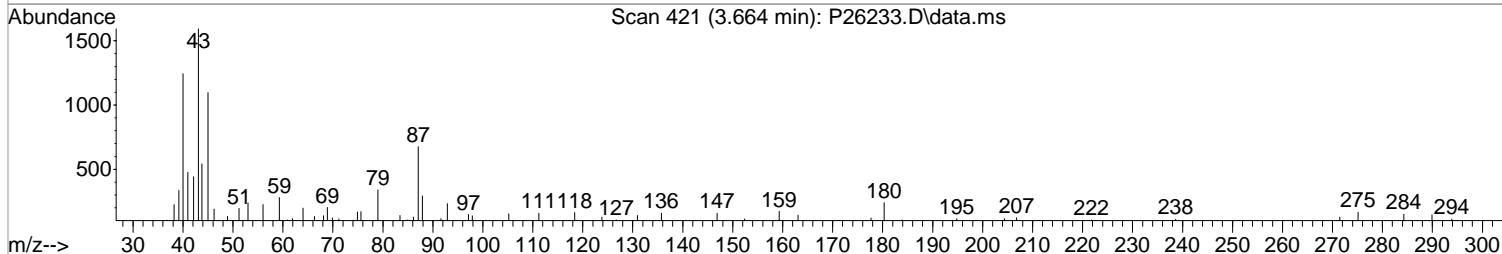
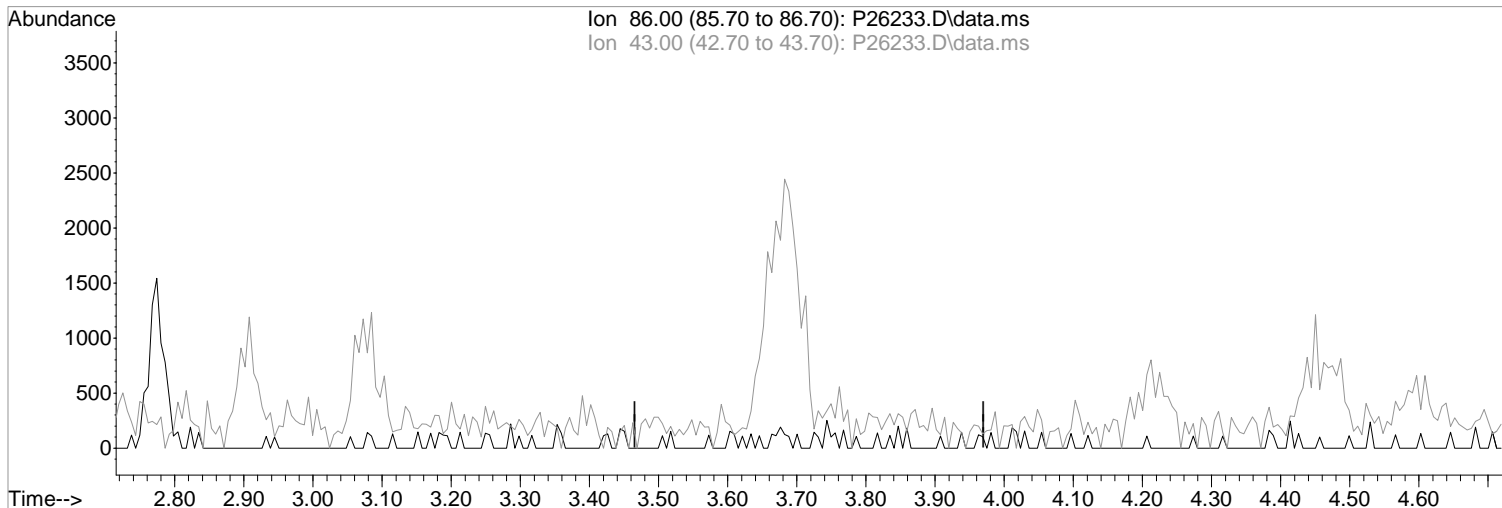
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	989.01#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



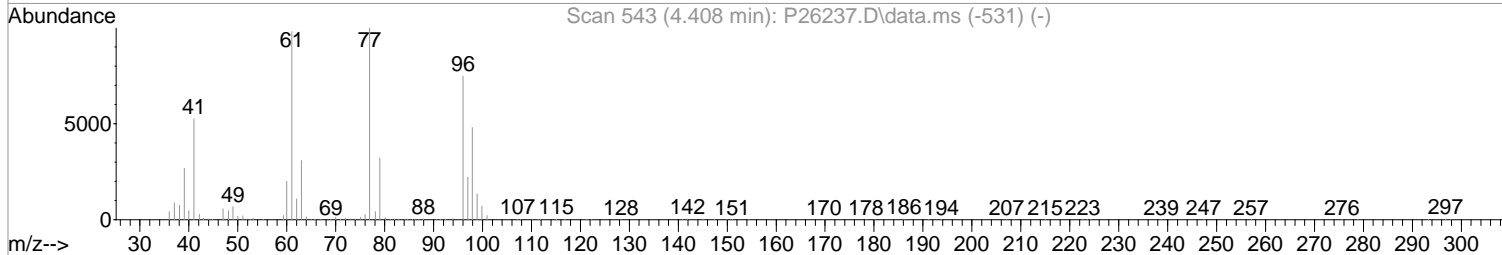
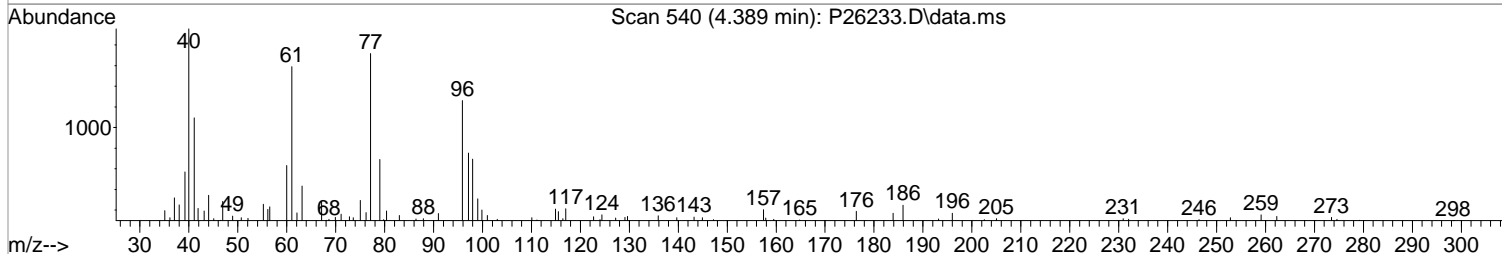
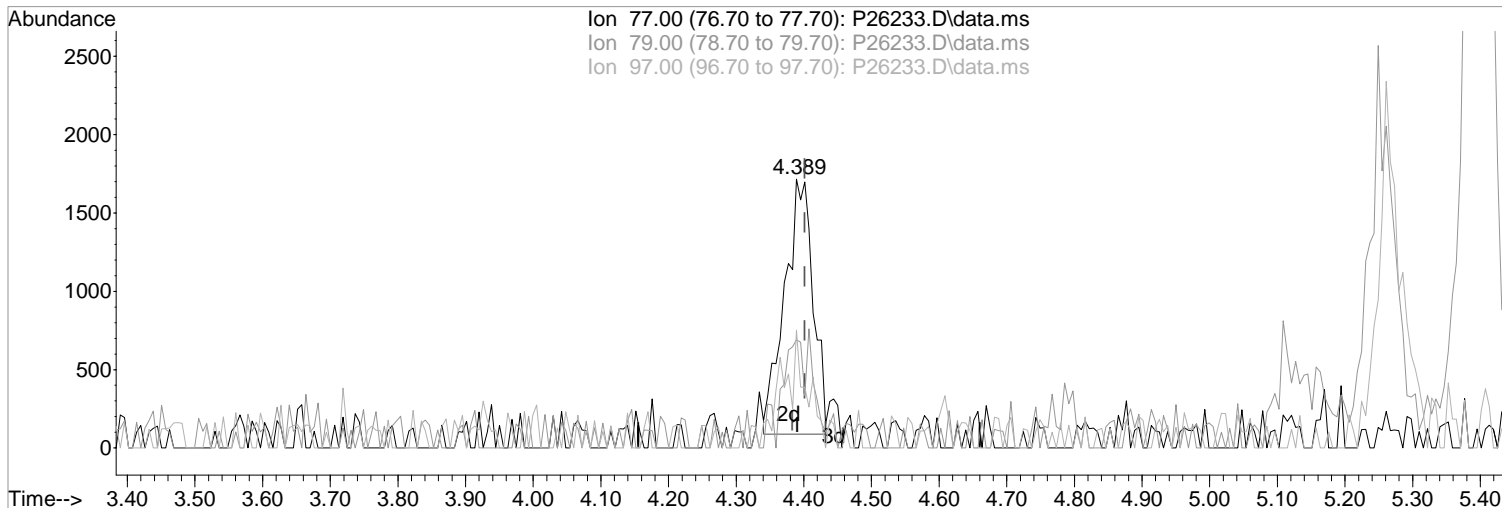
(29) Vinyl Acetate
3.664min (-3.664) 0.00 ppb
response 0
Ion Exp% Act%
86.00 100 0.00
43.00 802.20 0.00#
0.00 0.00 0.00
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(33) 2,2-Dichloropropane

4.389min (-0.012) 0.99 ppb m

response 4736

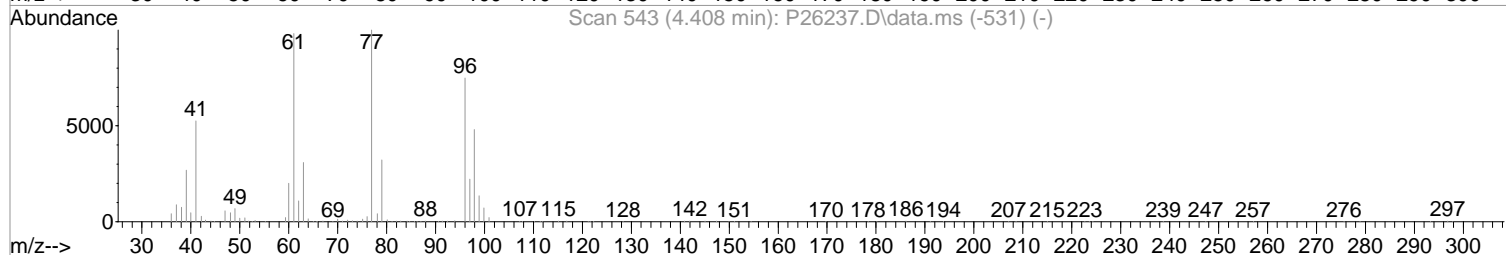
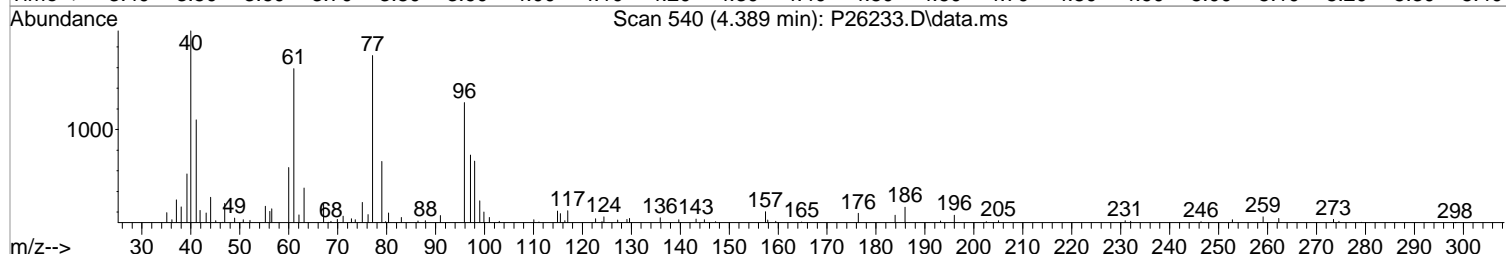
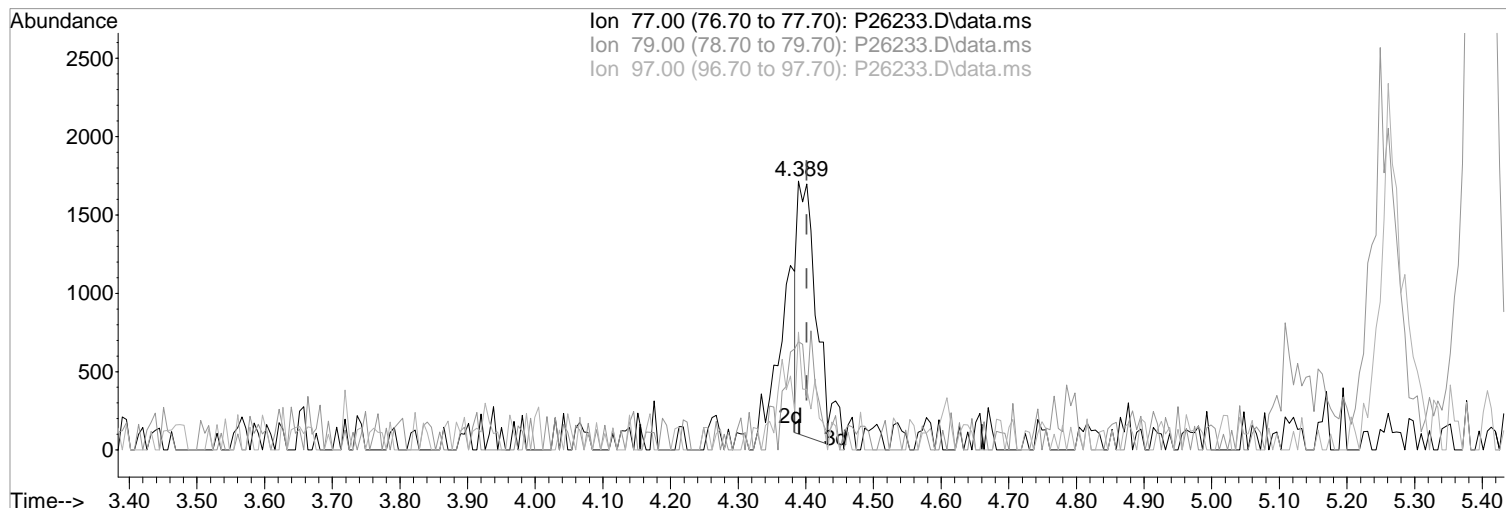
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	40.30
97.00	22.10	43.86#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(33) 2,2-Dichloropropane
4.389min (-0.012) 0.63 ppb
response 3000

Manual Integration:
Before

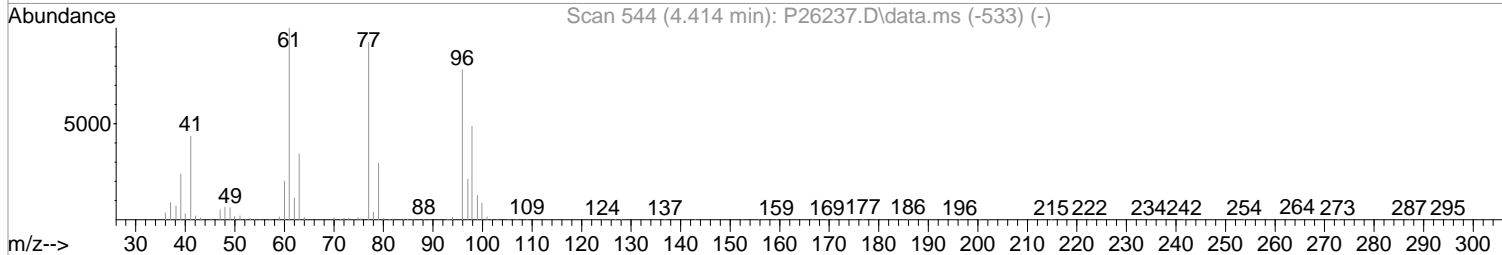
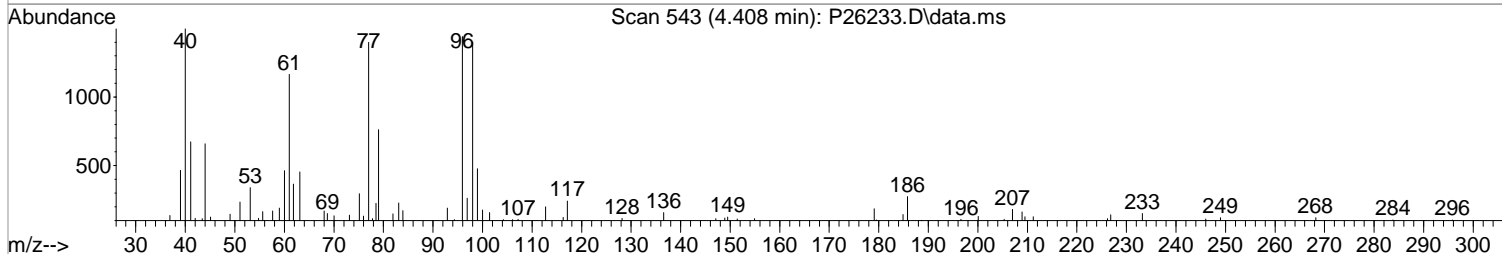
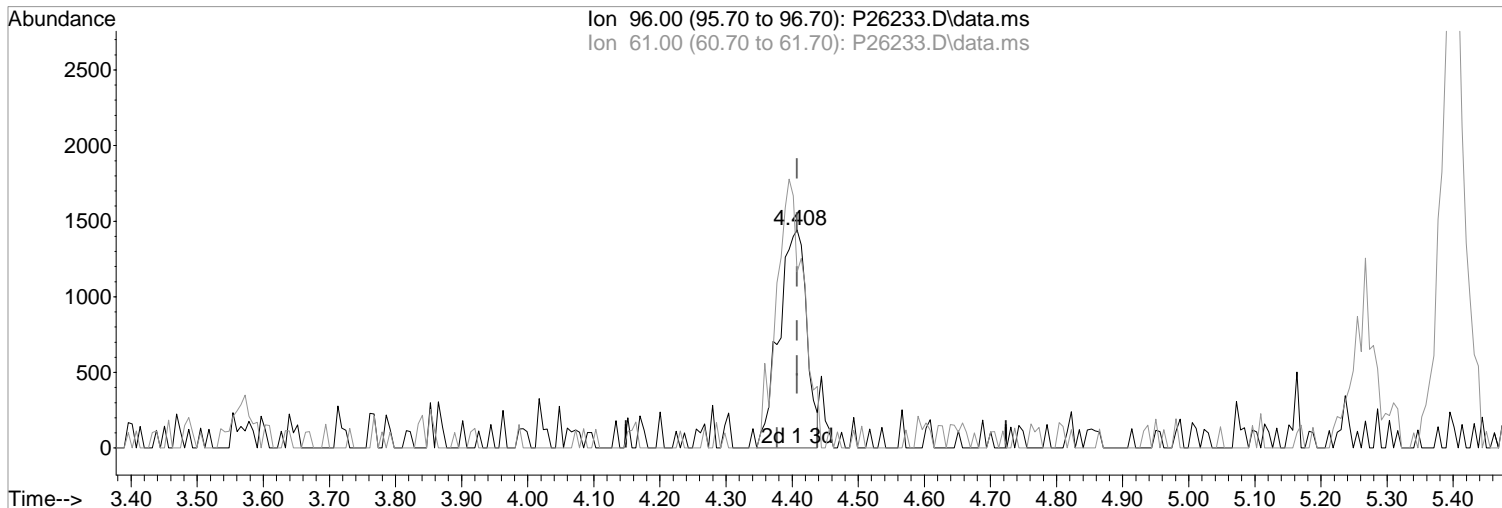
Ion	Exp%	Act%
77.00	100	100
79.00	32.20	40.30
97.00	22.10	43.86#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(34) cis-1,2-Dichloroethene (P)

4.408min (-0.000) 1.11 ppb m
response 4217

Ion	Exp%	Act%
96.00	100	100
61.00	128.10	80.79#
0.00	0.00	0.00
0.00	0.00	0.00

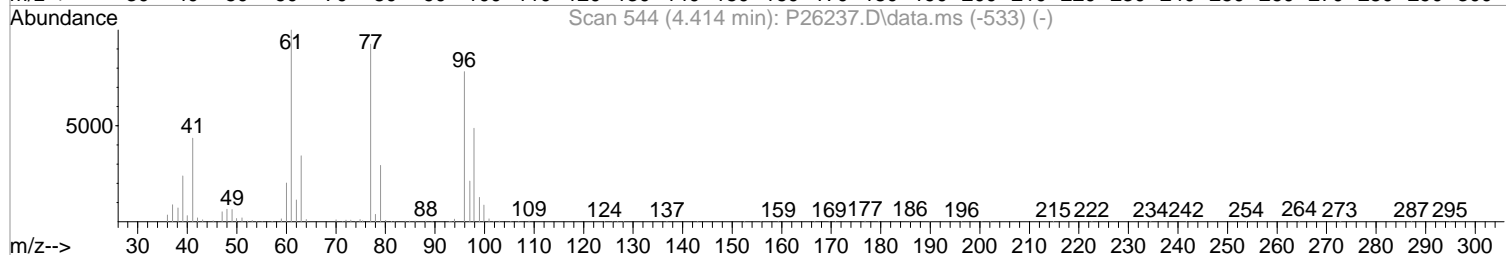
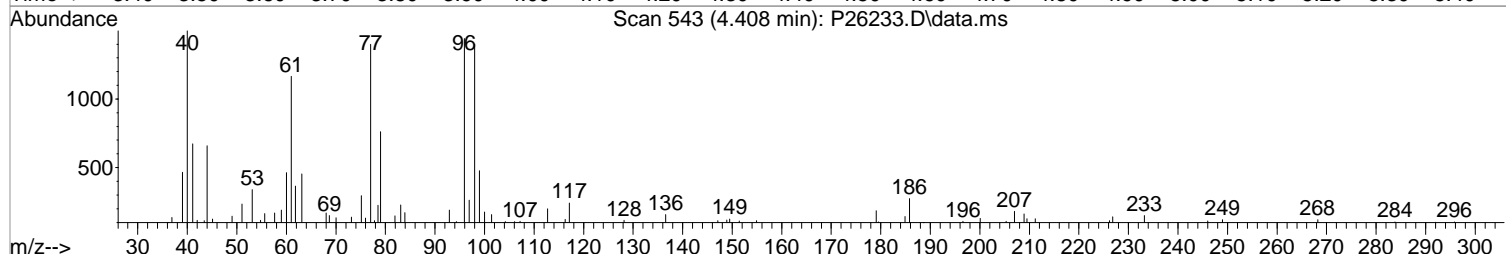
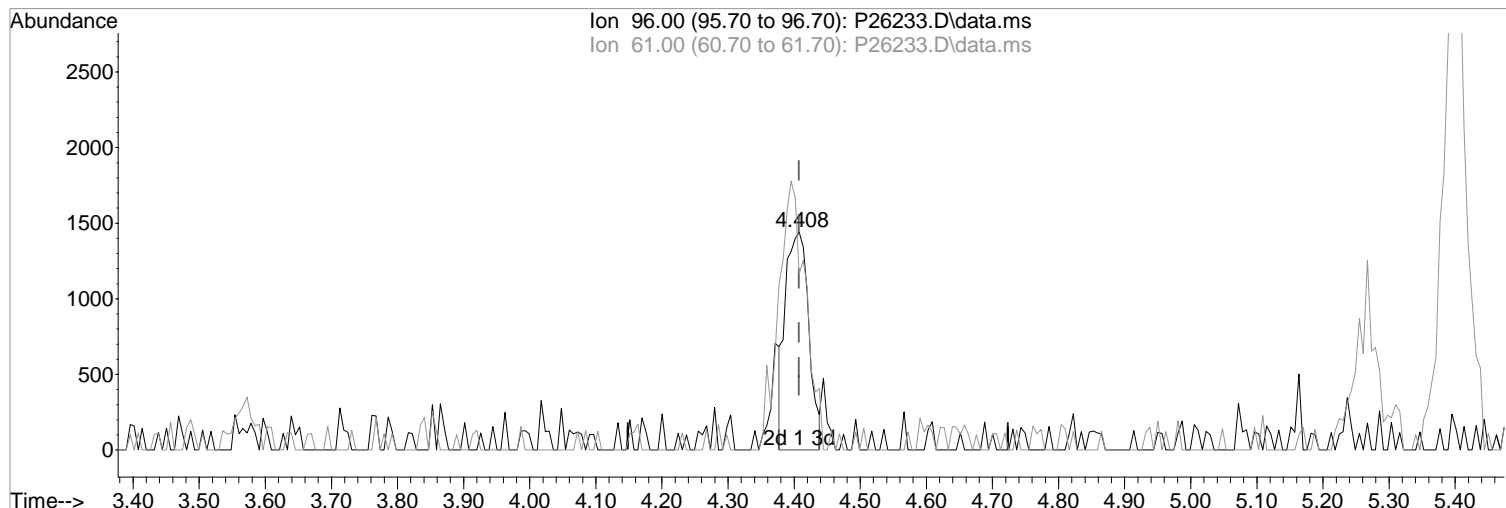
Manual Integration:

After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(34) cis-1,2-Dichloroethene (P)

Manual Integration:

4.408min (-0.000) 0.93 ppb

Before

response 3510

Ion Exp% Act%

05/01/19

96.00 100 100

61.00 128.10 80.79#

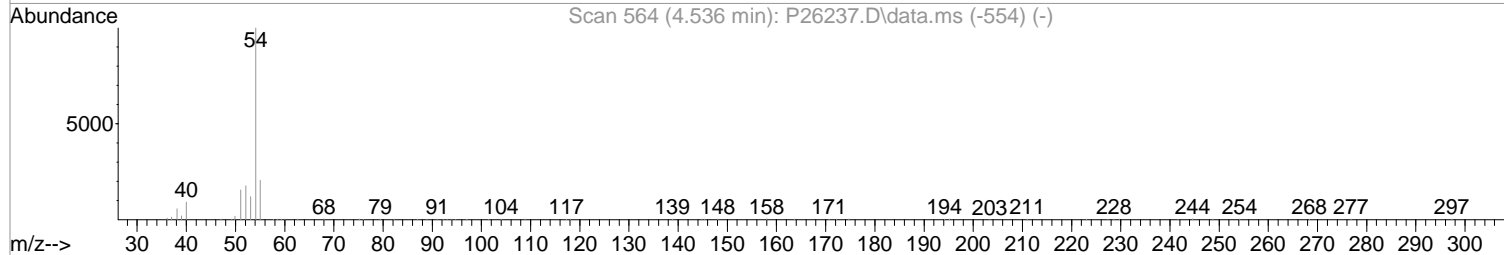
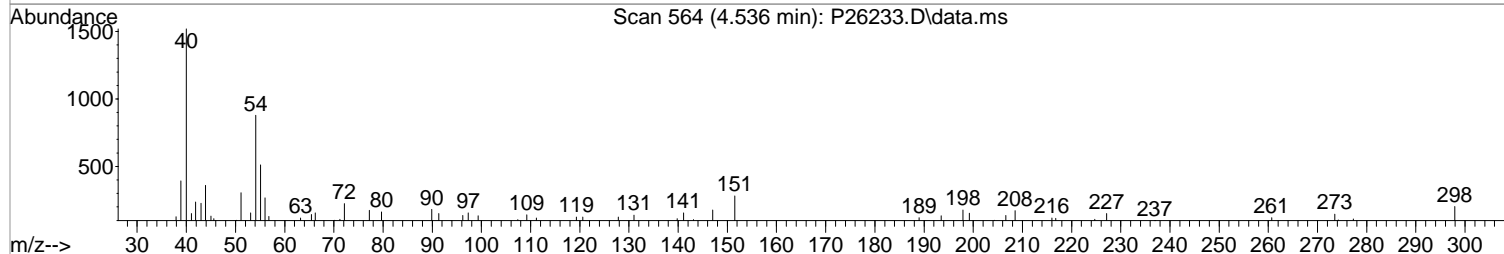
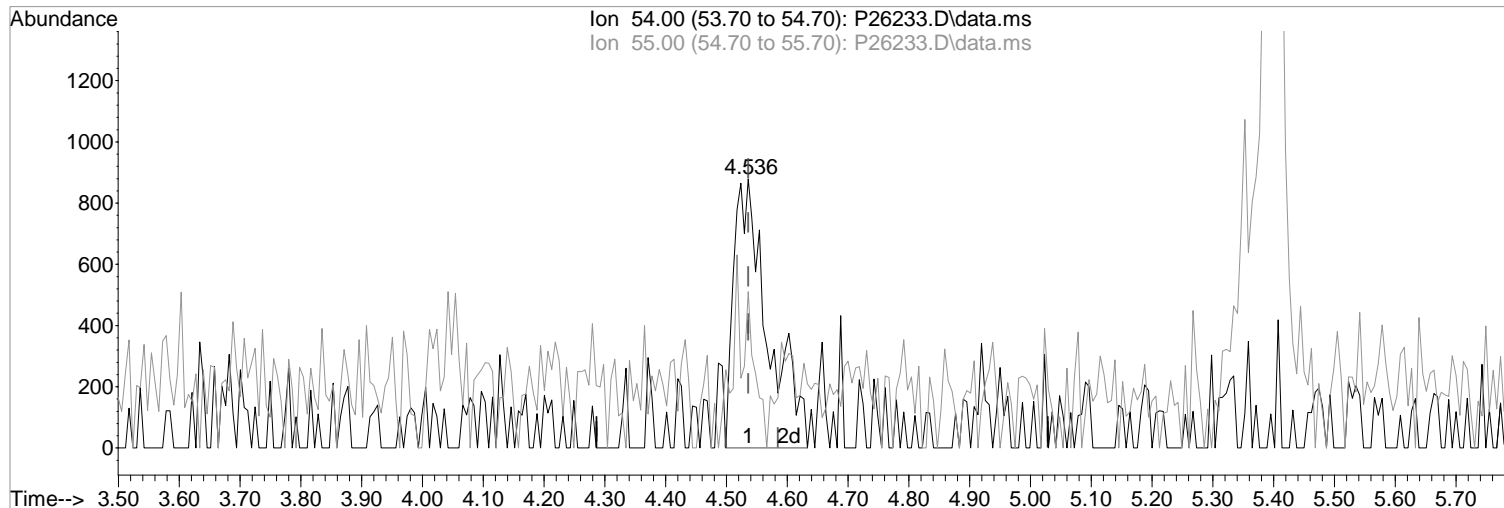
0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(36) Propionitrile
4.536min (-0.000) 4.90 ppb m
response 3398

Manual Integration:

After

Split Peak

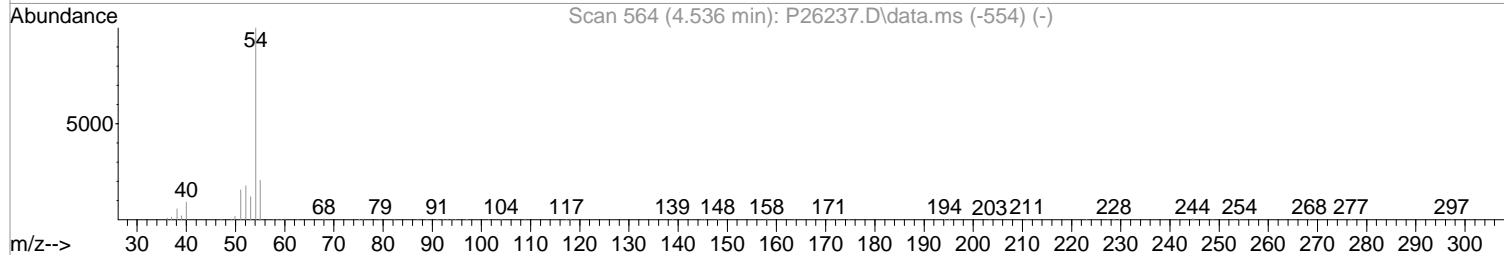
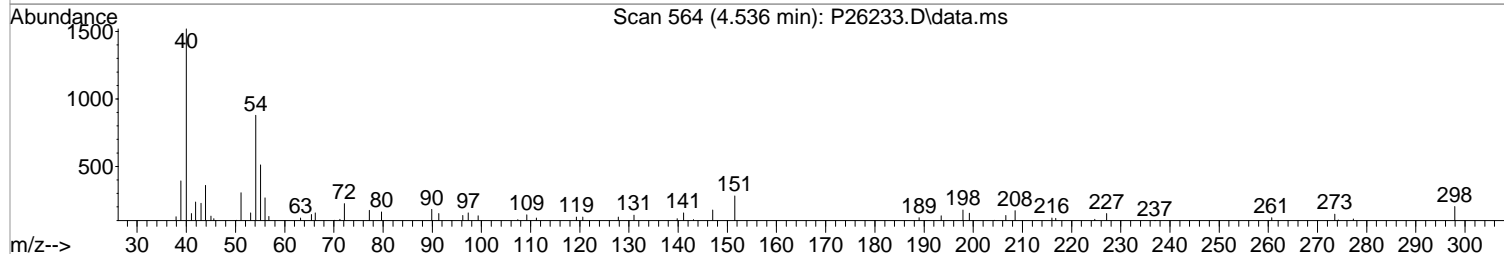
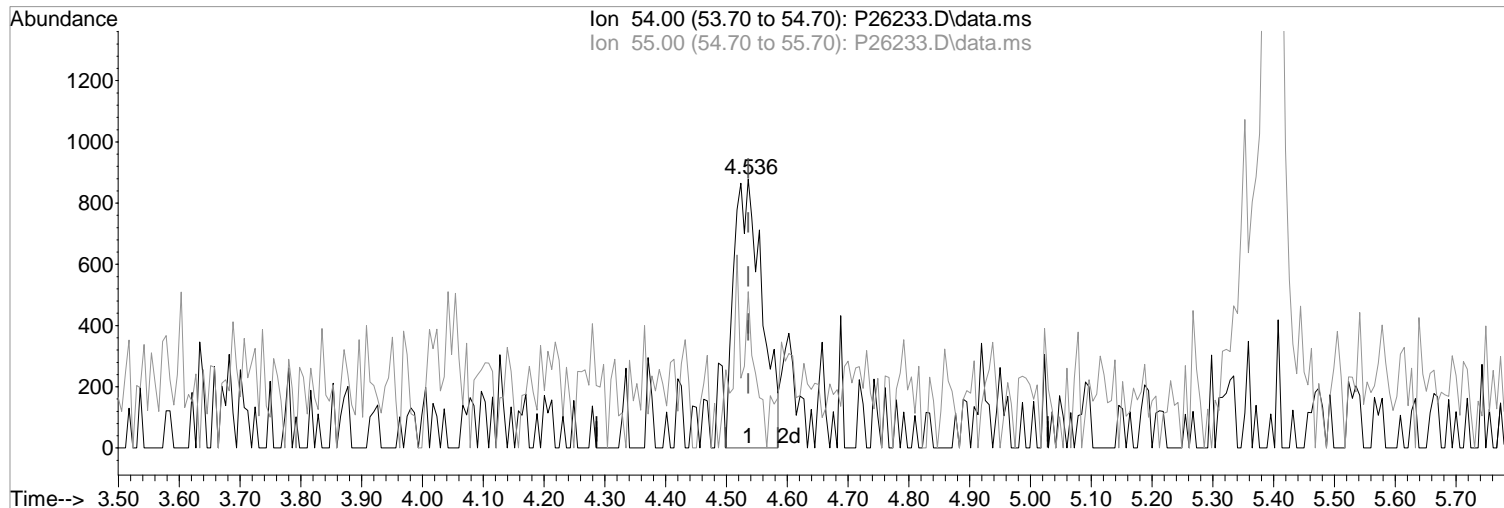
05/01/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(36) Propionitrile
4.536min (-0.000) 4.03 ppb
response 2795

Manual Integration:
Before

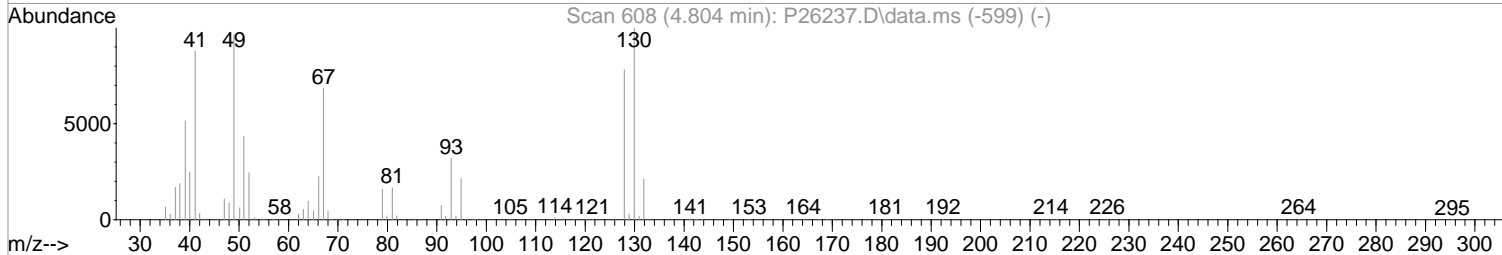
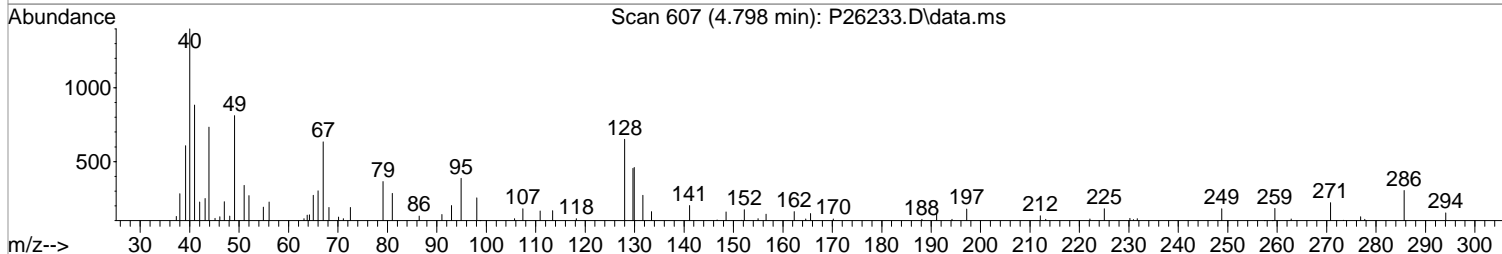
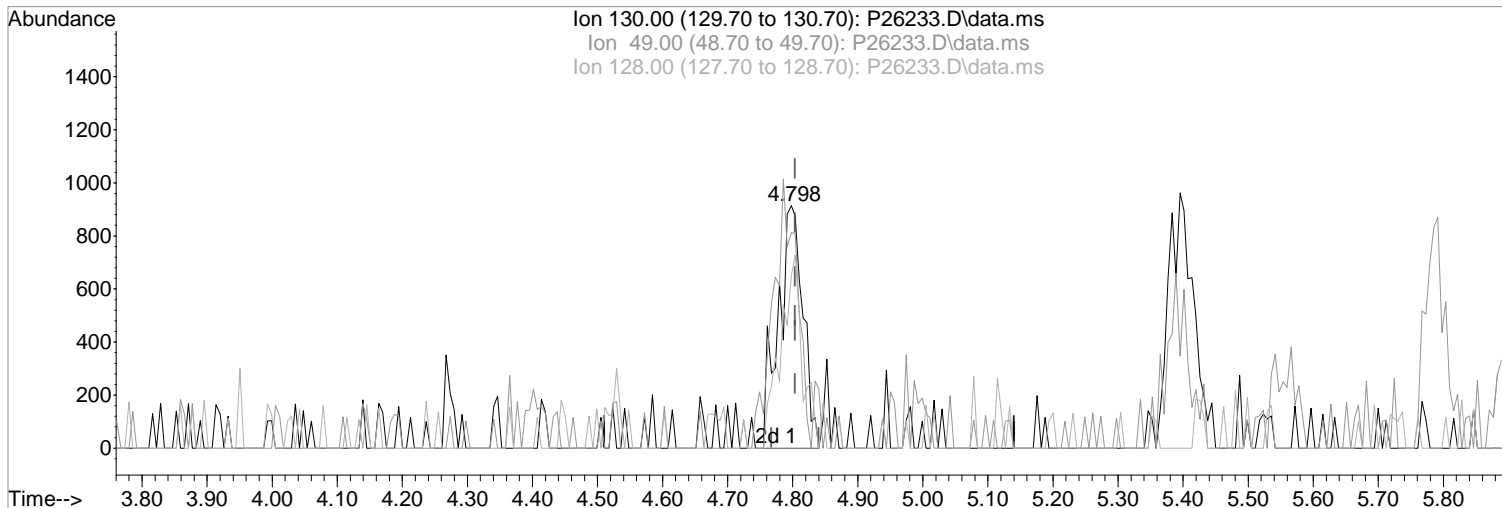
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	58.13#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.94 ppb m

response 2398

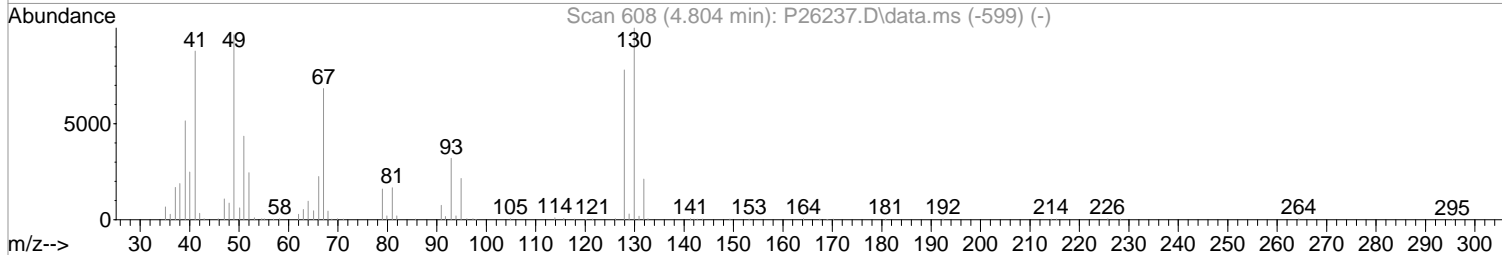
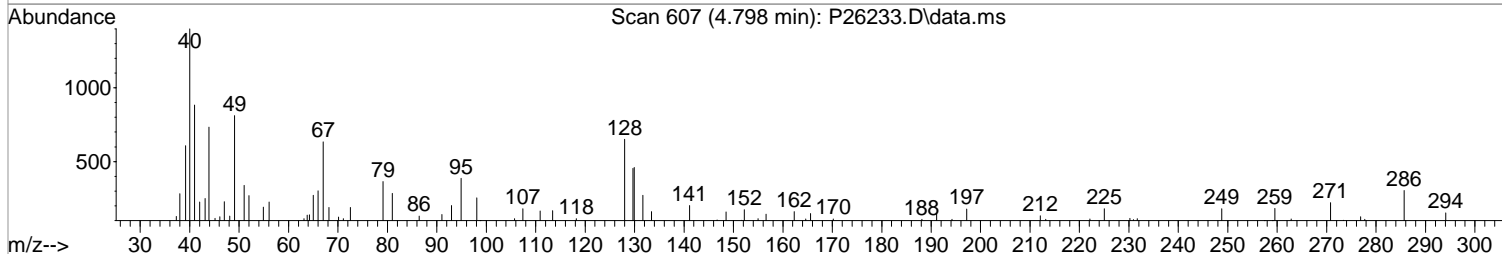
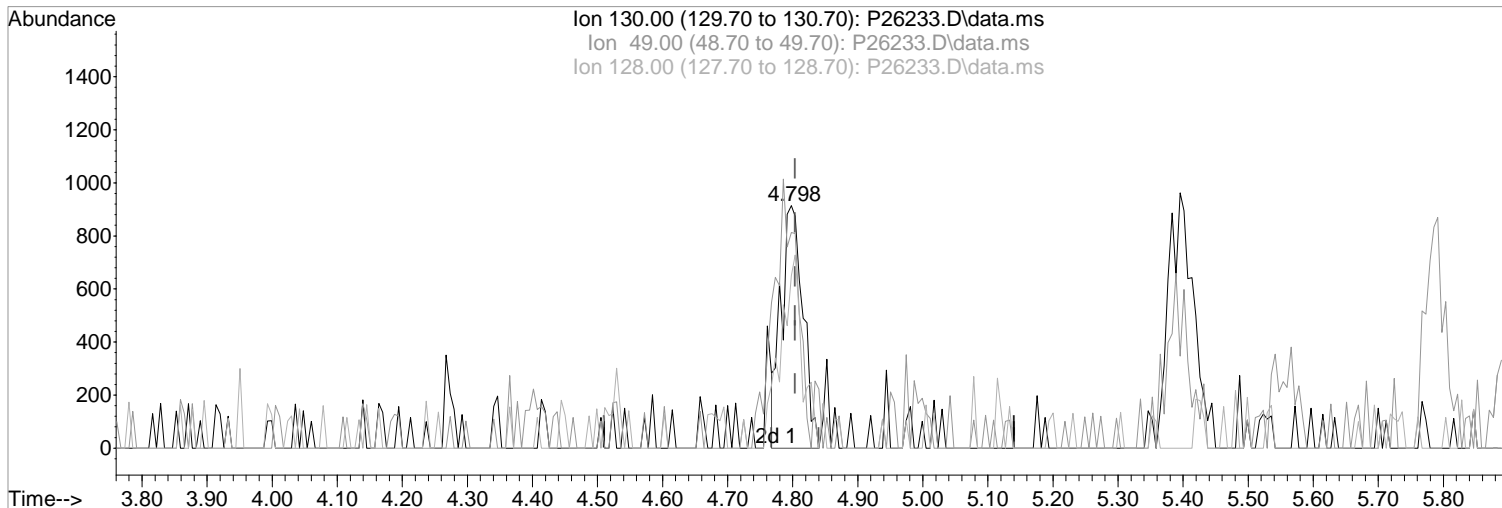
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	176.74#
128.00	78.80	141.30#
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(37) Bromochloromethane

4.798min (-0.006) 0.84 ppb

response 2126

Ion	Exp%	Act%
130.00	100	100
49.00	96.80	88.95
128.00	78.80	71.12
0.00	0.00	0.00

Manual Integration:

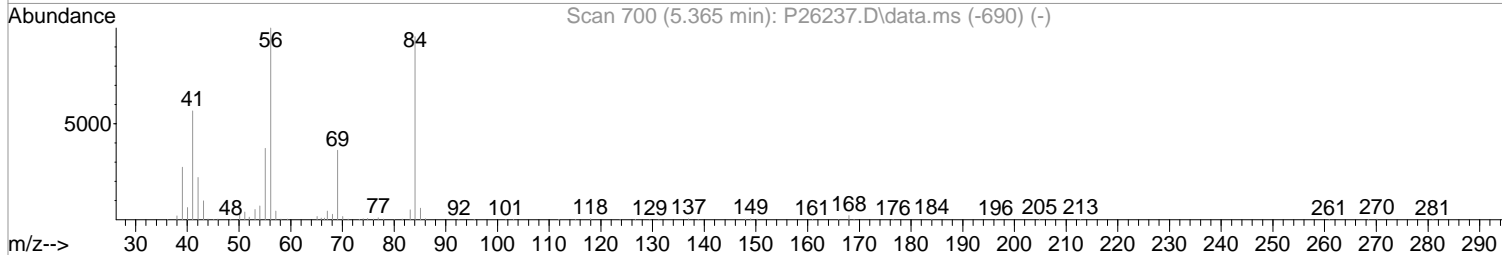
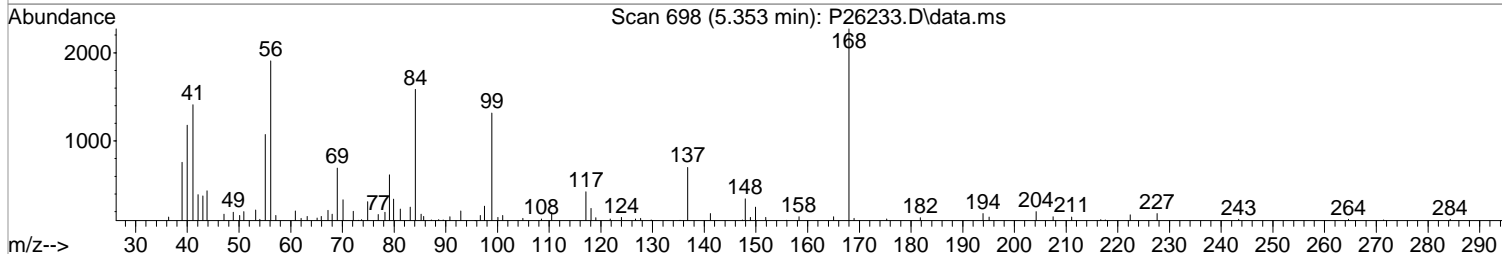
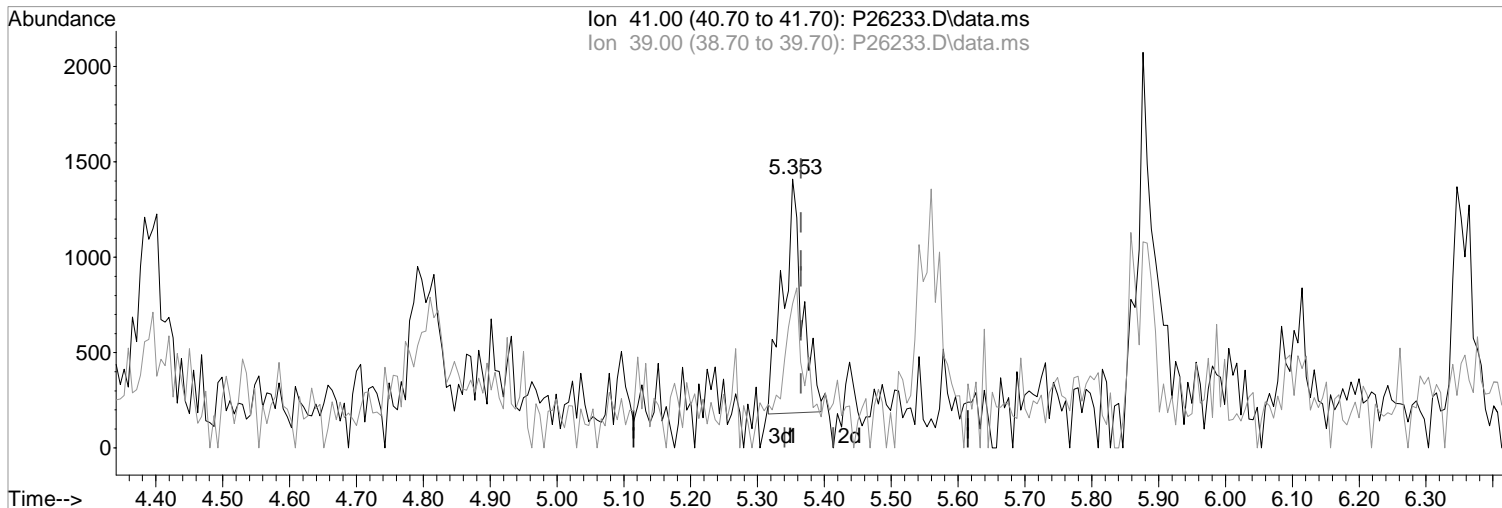
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(44) Cyclohexane (P)

5.353min (-0.012) 0.91 ppb m
response 2453

Ion	Exp%	Act%
41.00	100	100
39.00	48.60	53.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

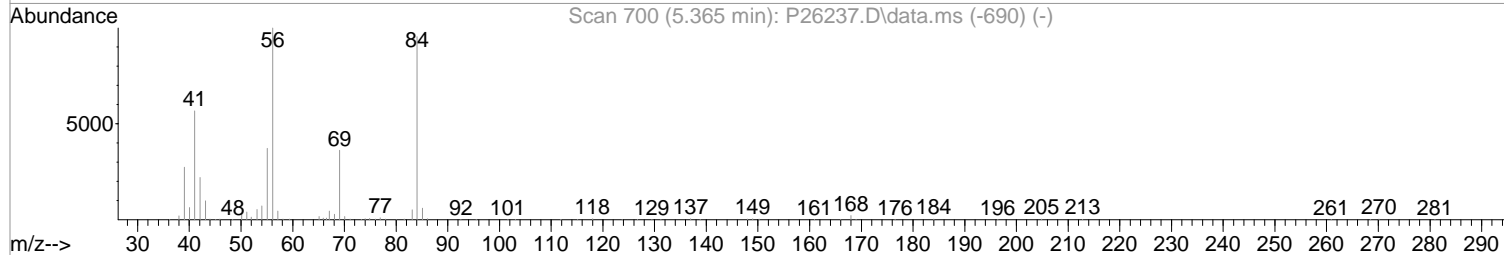
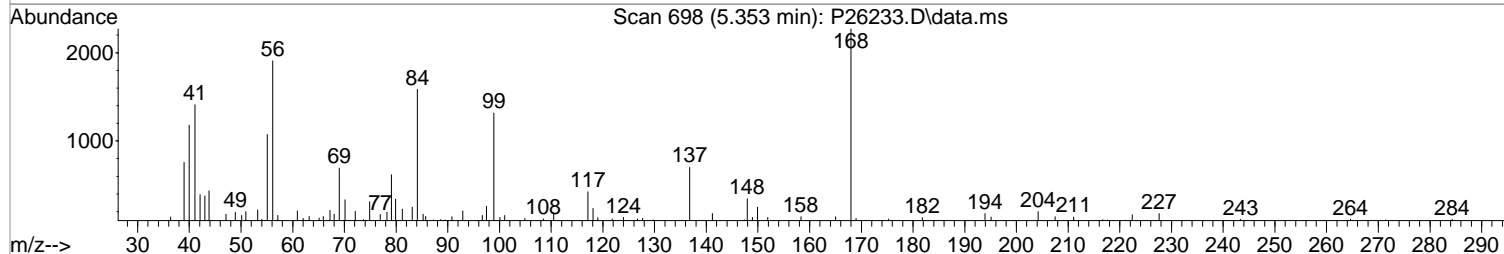
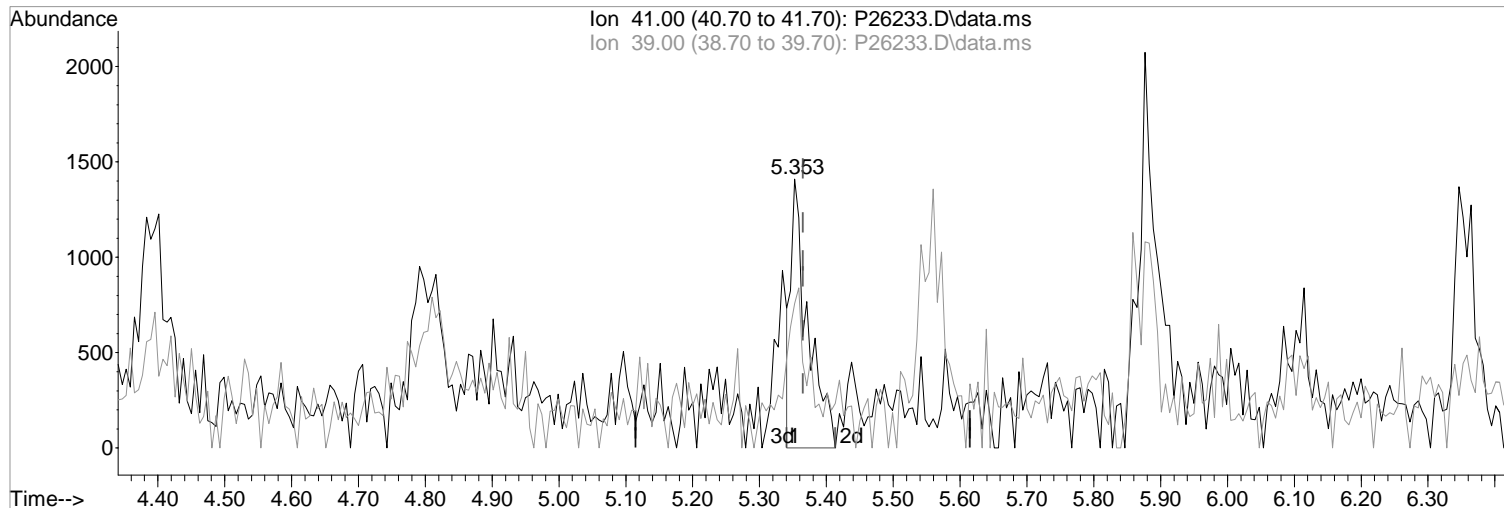
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



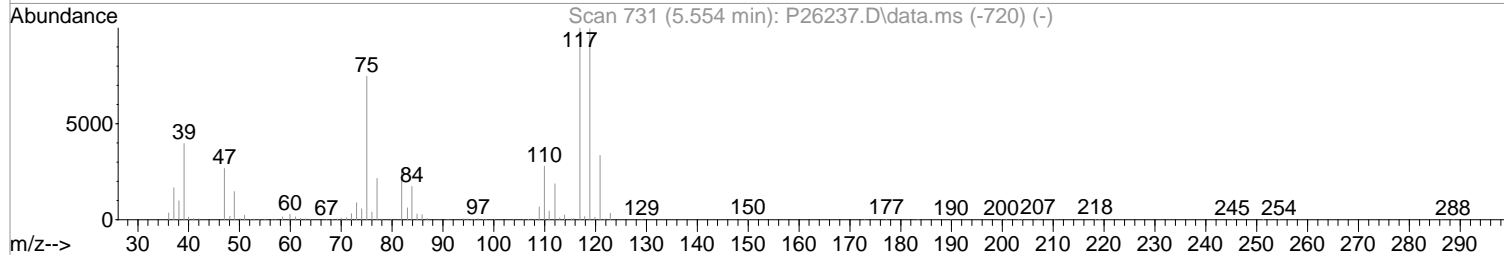
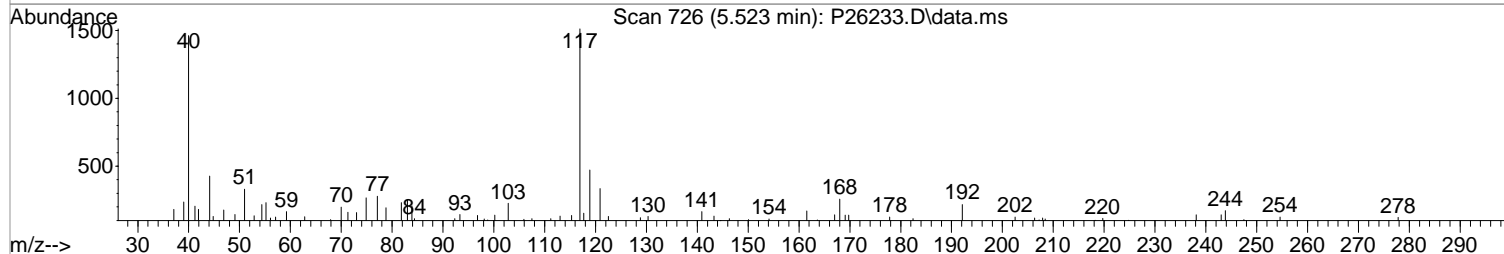
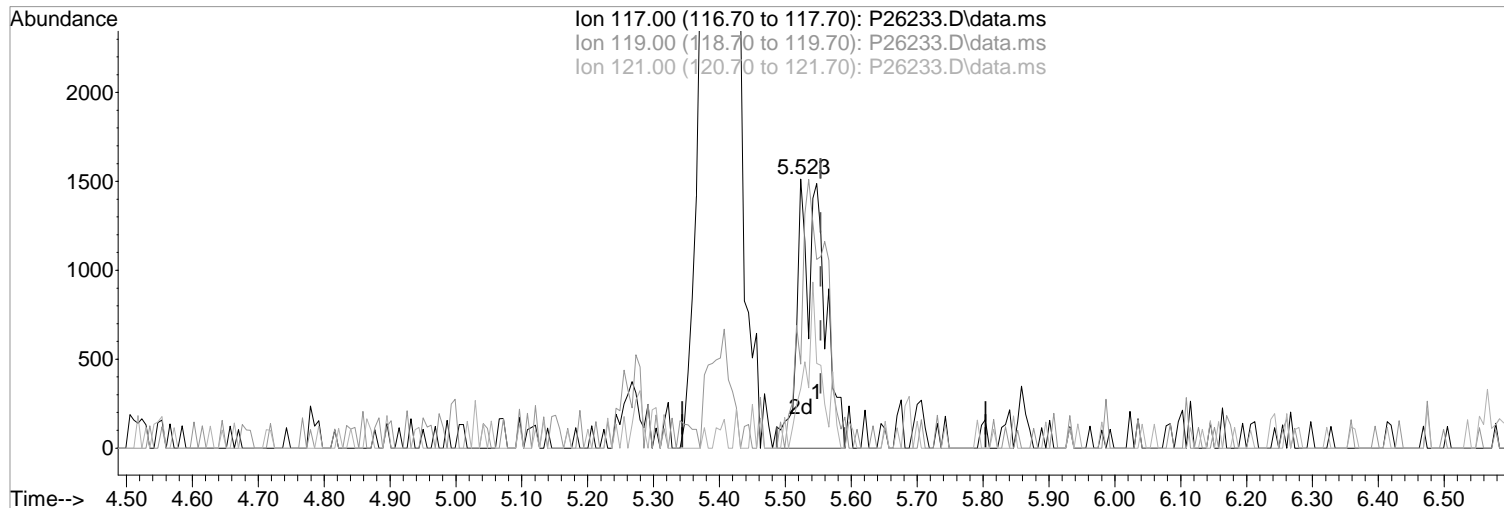
(44) Cyclohexane (P)
5.353min (-0.012) 0.93 ppb
response 2488
Ion Exp% Act%
41.00 100 100
39.00 48.60 53.69
0.00 0.00 0.00
0.00 0.00 0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(46) Carbontetrachloride (P)

5.523min (-0.031) 0.93 ppb m
response 4031

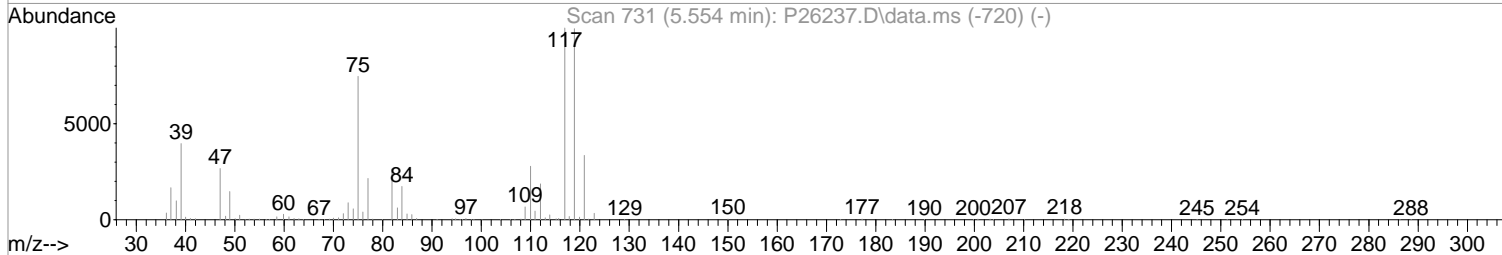
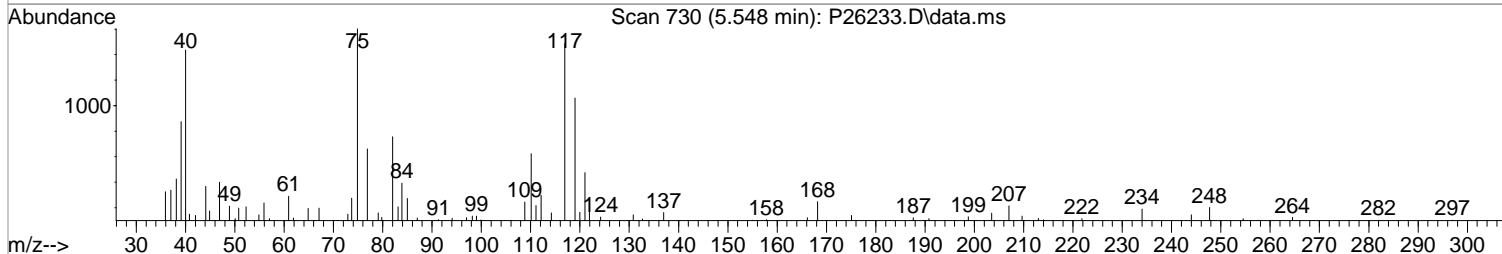
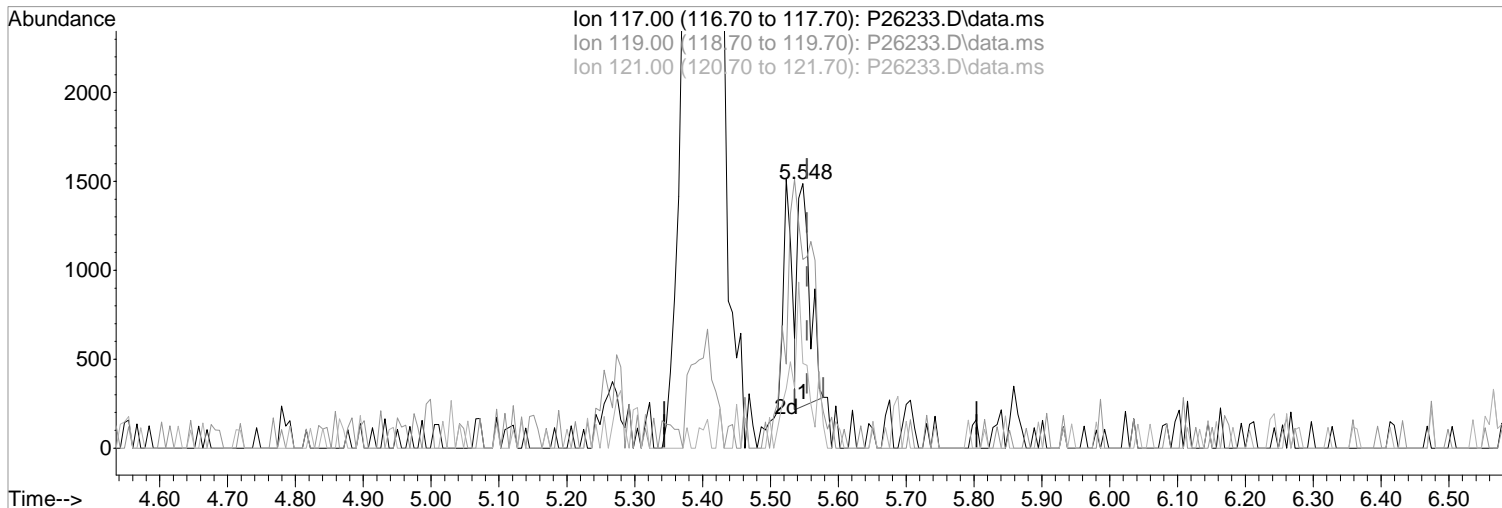
Ion	Exp%	Act%
117.00	100	100
119.00	99.40	31.20#
121.00	33.40	22.08
0.00	0.00	0.00

Manual Integration:
After
Split Peak
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(46) Carbontetrachloride (P)

Manual Integration:

5.548min (-0.006) 0.37 ppb

Before

response 1616

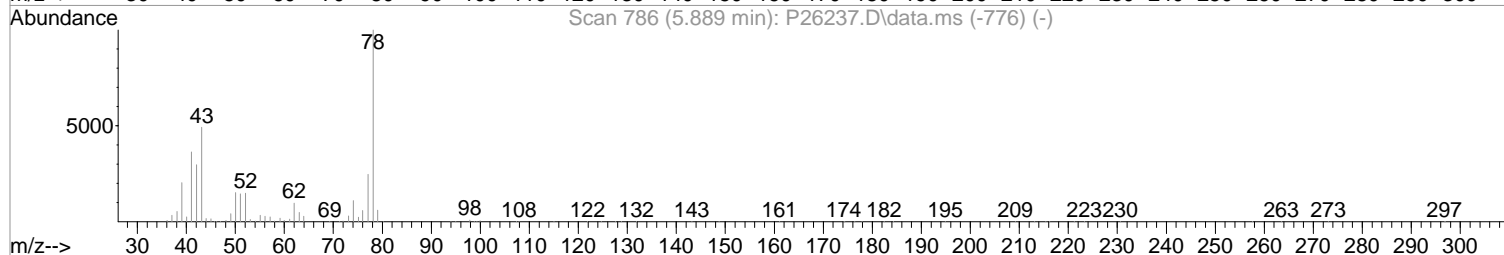
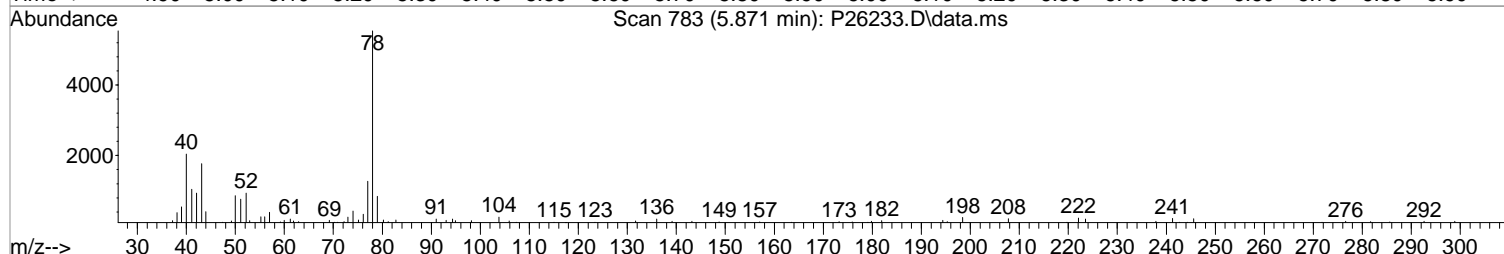
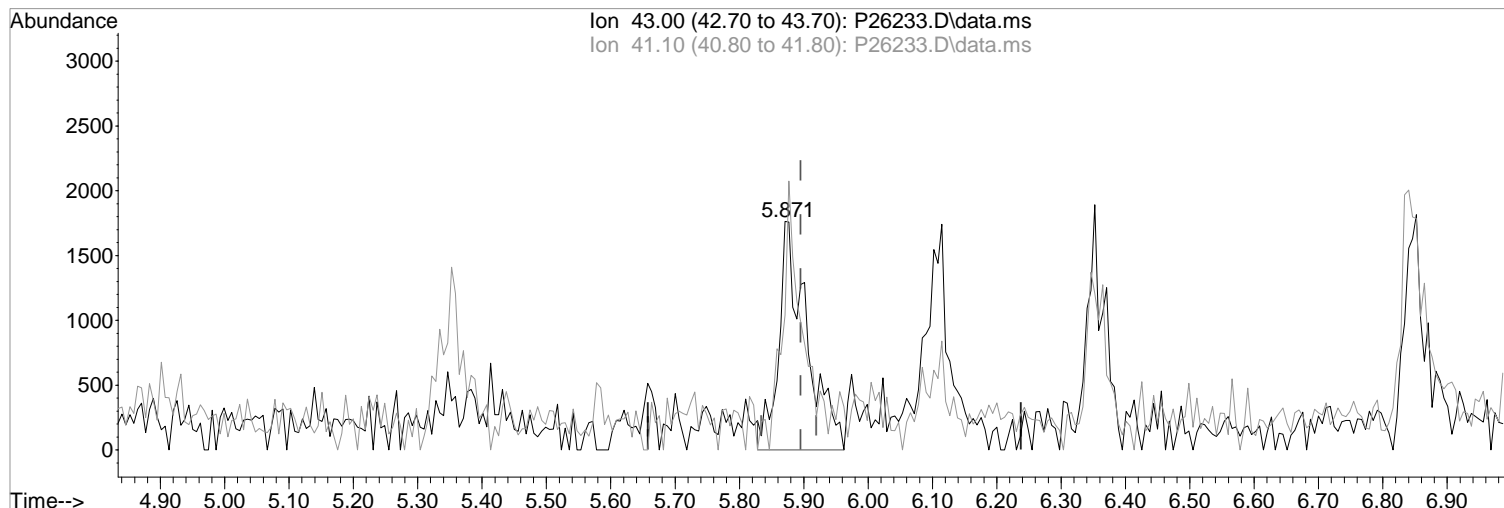
Ion	Exp%	Act%
117.00	100	100
119.00	99.40	71.35#
121.00	33.40	32.01
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(51) Iso-Butyl Alcohol
5.871min (-0.024) 19.19 ppb m
response 5327

Manual Integration:

After

Poor integration.

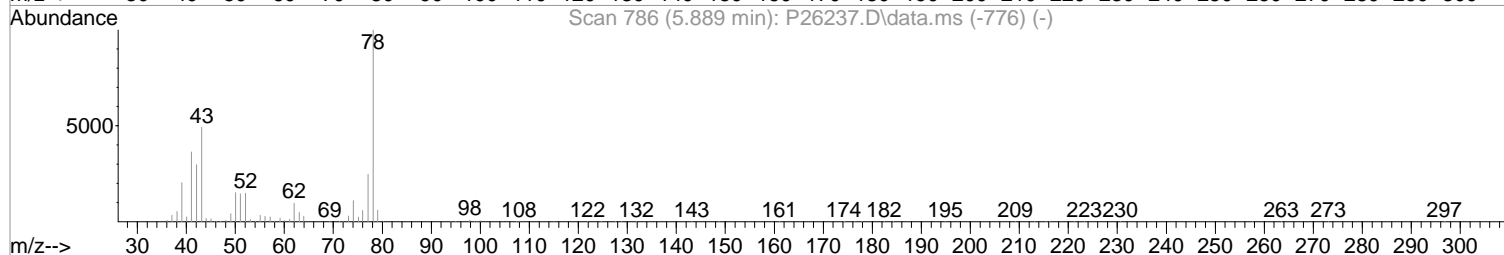
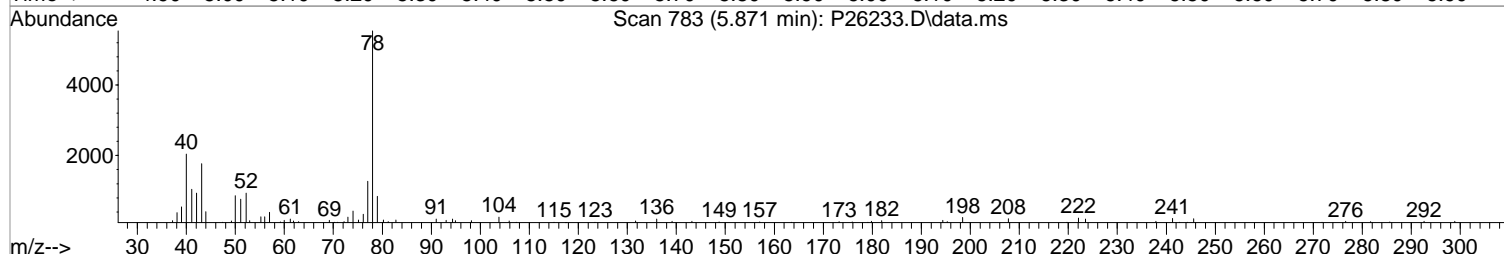
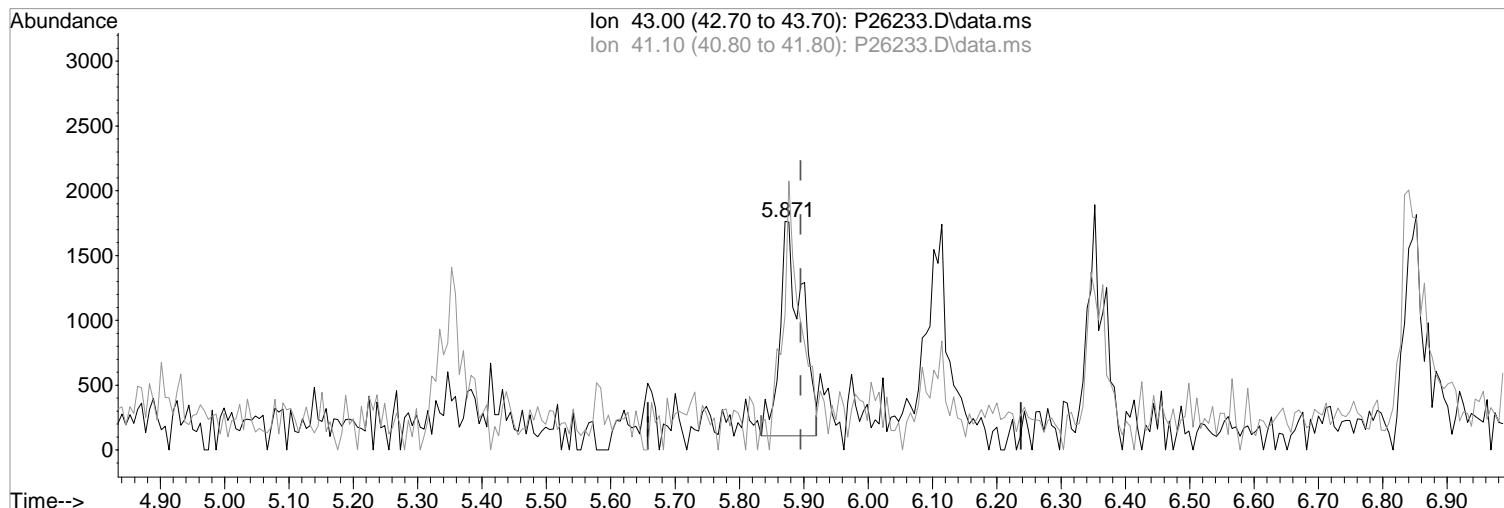
05/01/19

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.871min (-0.024) 14.16 ppb
response 3932

Manual Integration:
Before

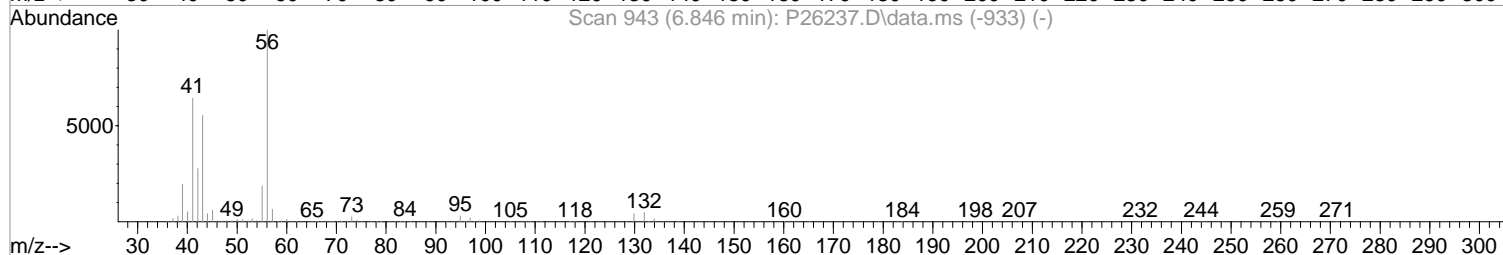
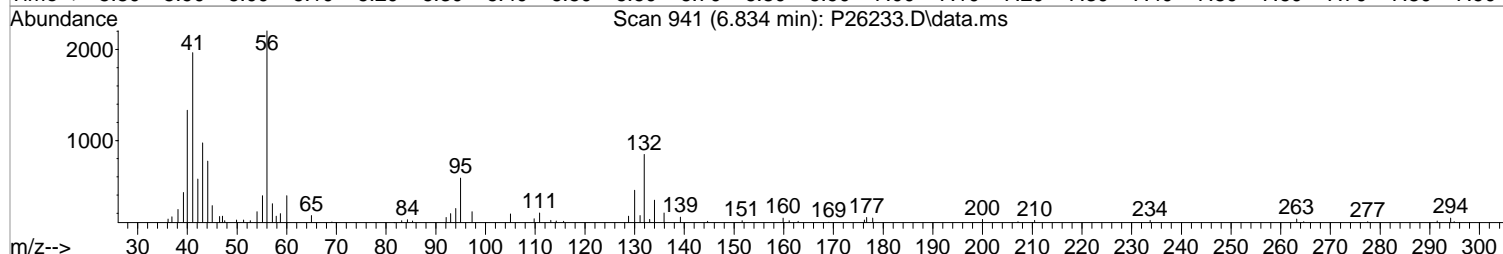
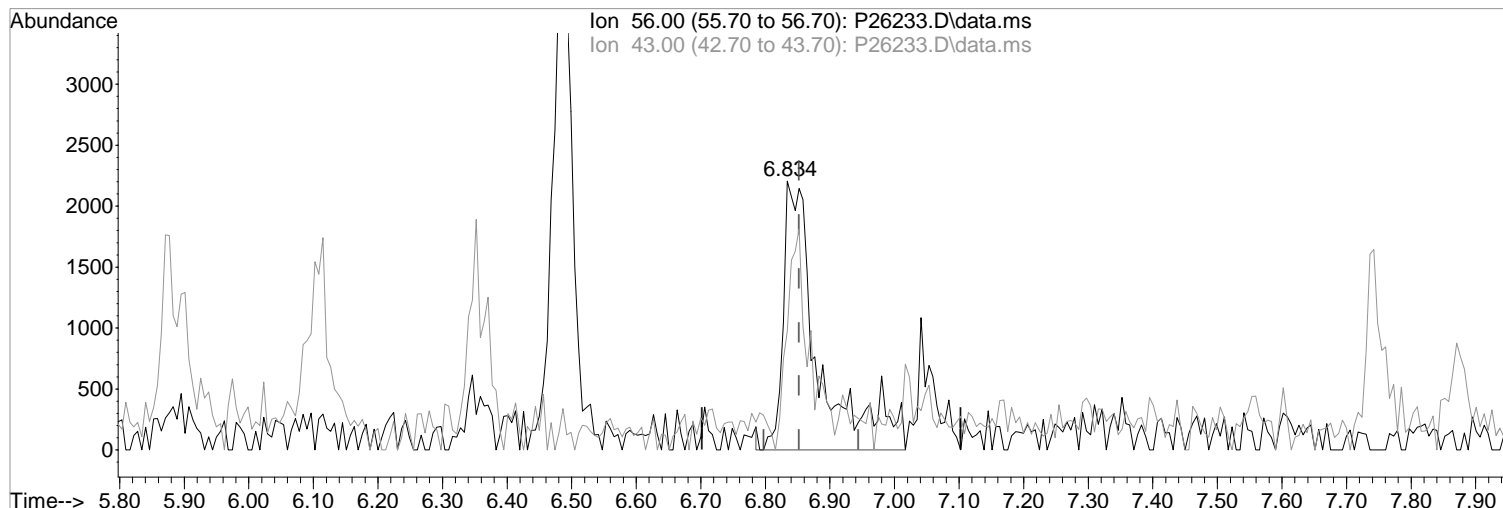
Ion	Exp%	Act%
43.00	100	100
41.10	74.30	59.01
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.834min (-0.018) 44.20 ppb m
response 8370

Manual Integration:
After
Poor integration.

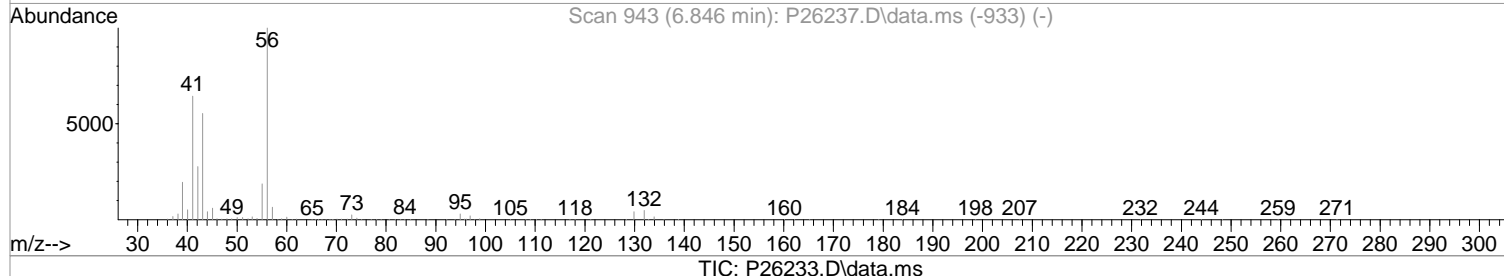
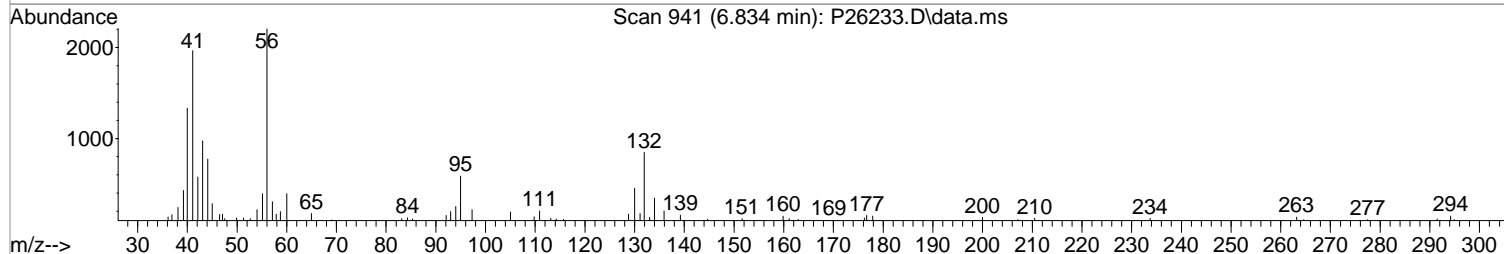
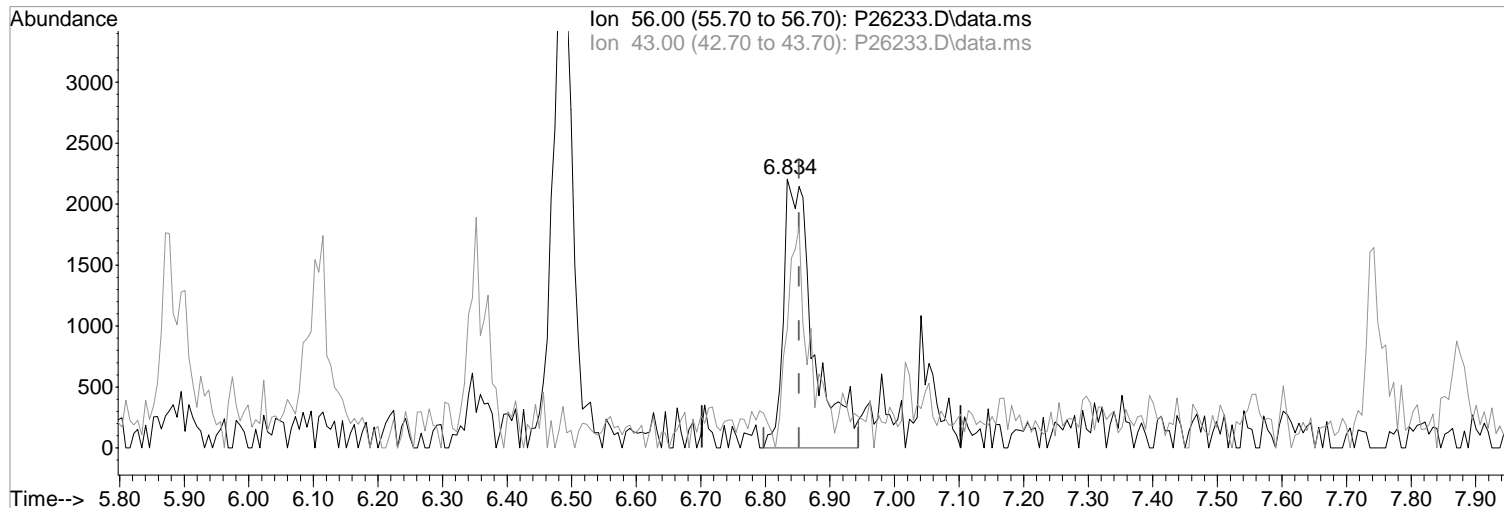
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	52.39
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.834min (-0.018) 37.66 ppb
response 7132

Manual Integration:
Before

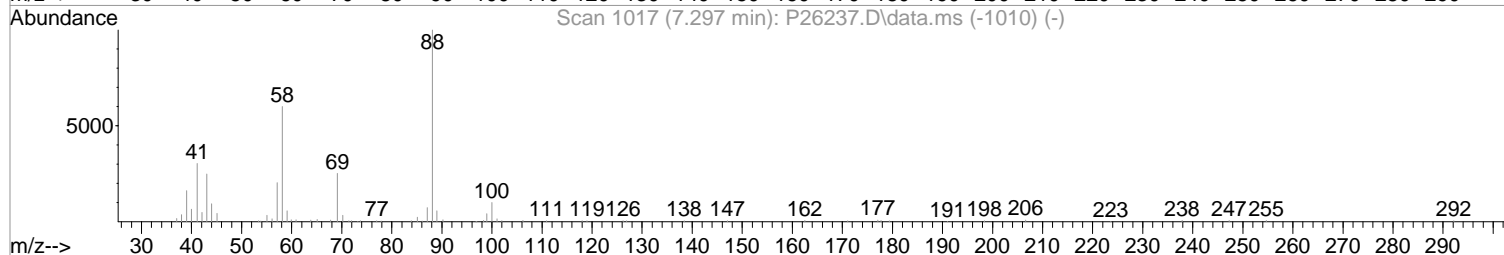
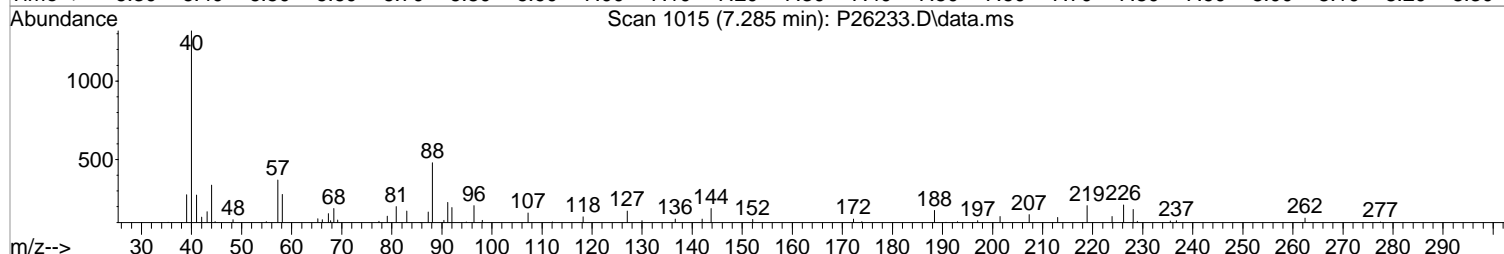
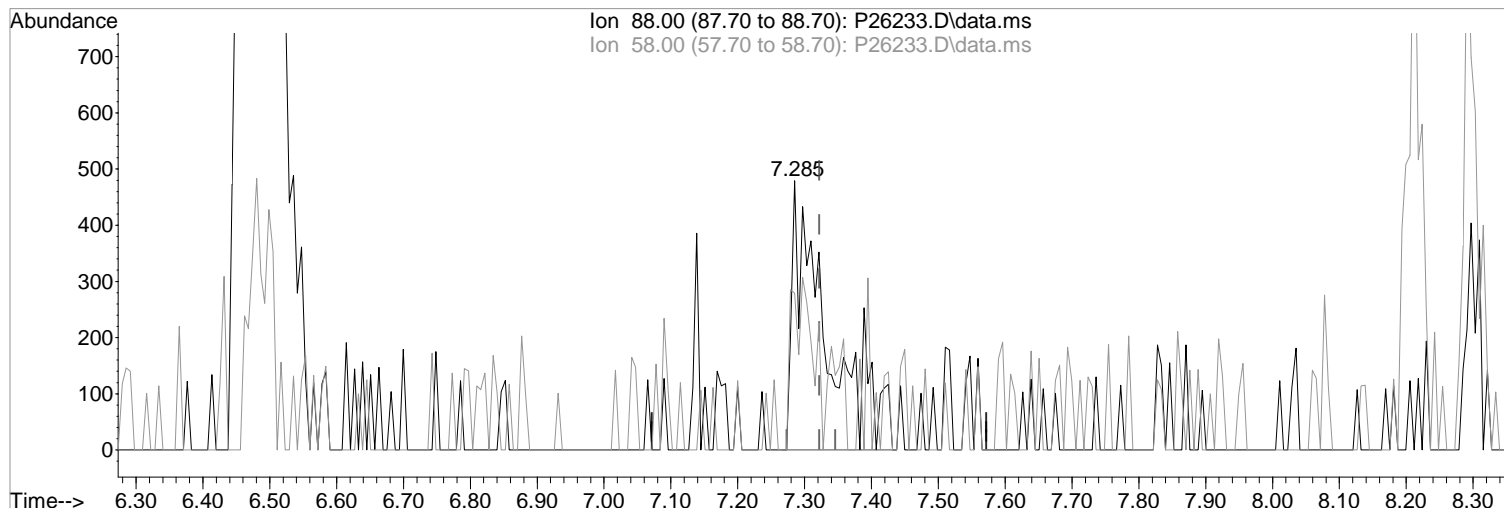
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	61.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.285min (-0.037) 20.87 ppb m
response 1759

Manual Integration:
After
Poor integration.

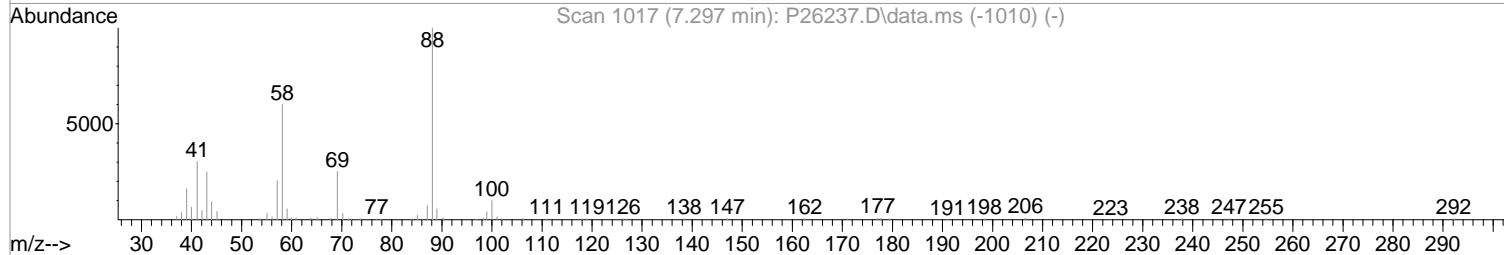
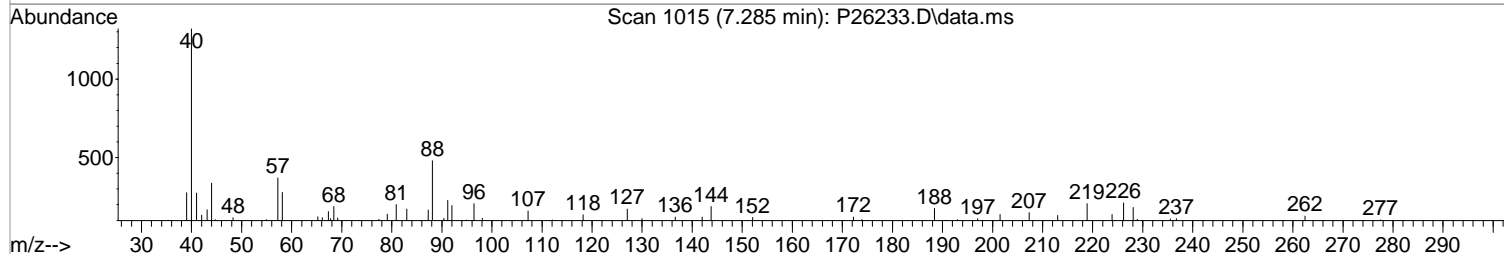
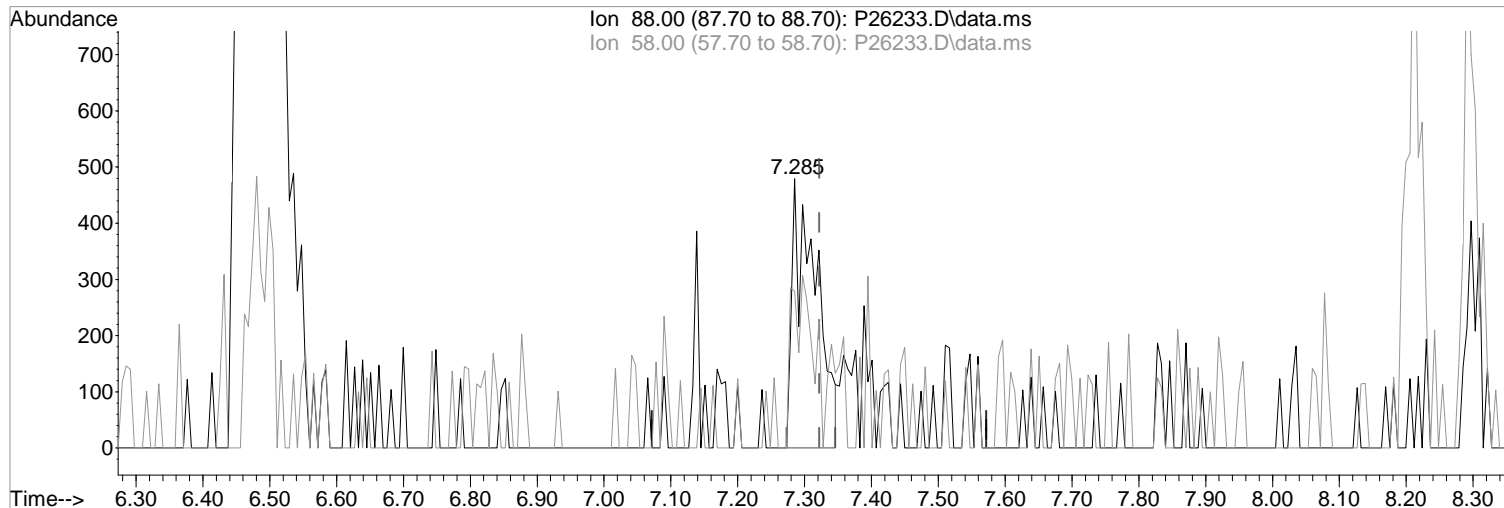
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(58) 1,4-Dioxane
7.285min (-0.037) 14.05 ppb
response 1184

Manual Integration:
Before

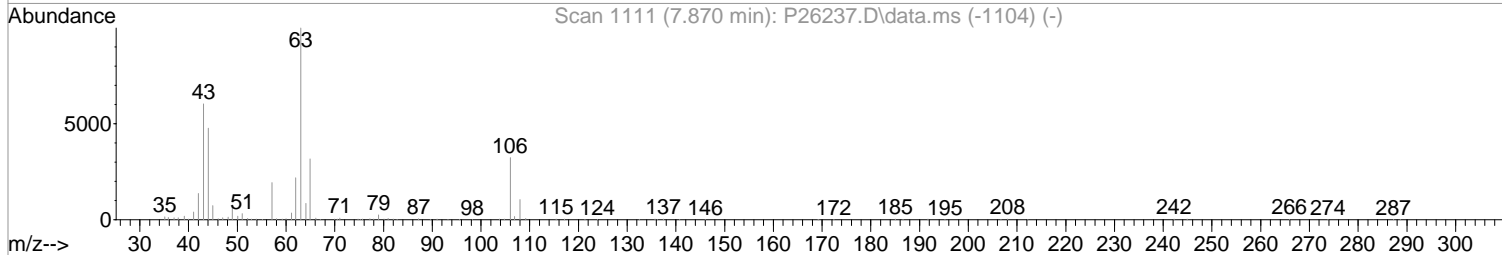
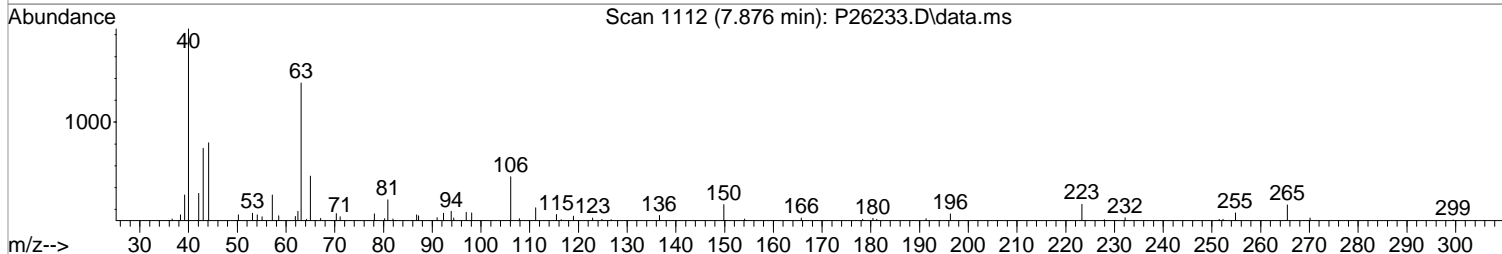
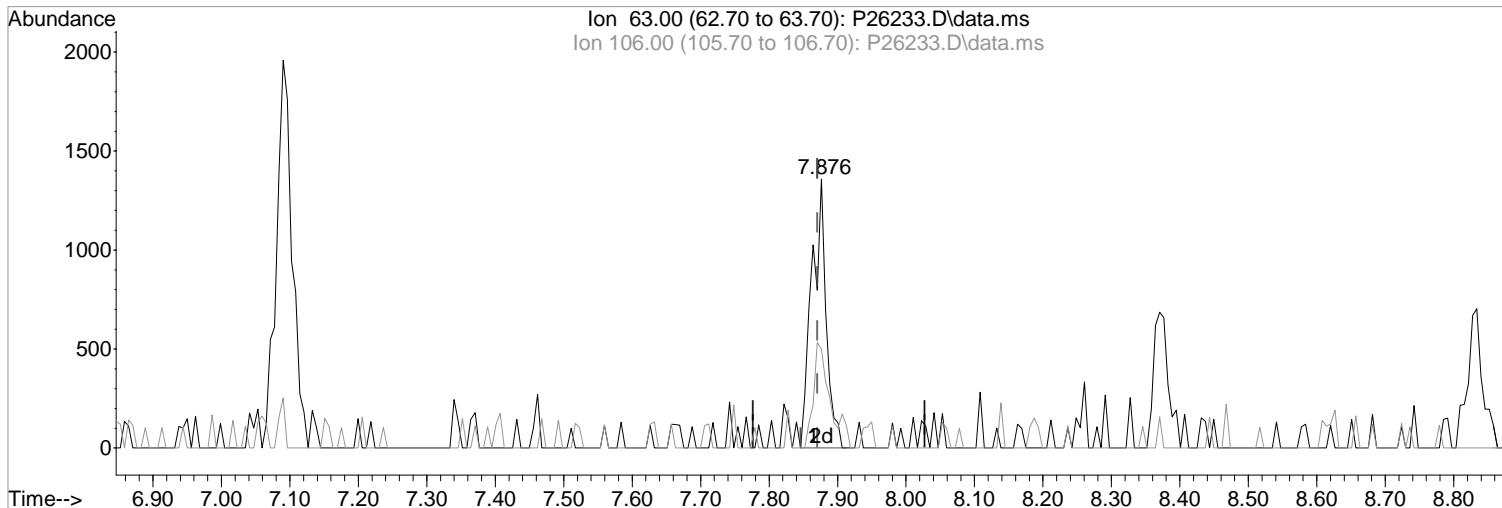
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	58.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(62) 2-Chloroethylvinyl Ether
7.876min (+0.006) 0.91 ppb m
response 1997

Manual Integration:

After

Split Peak

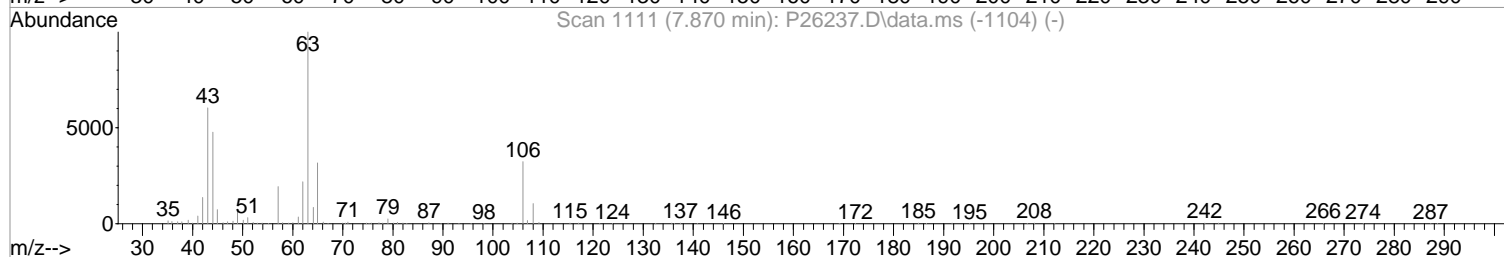
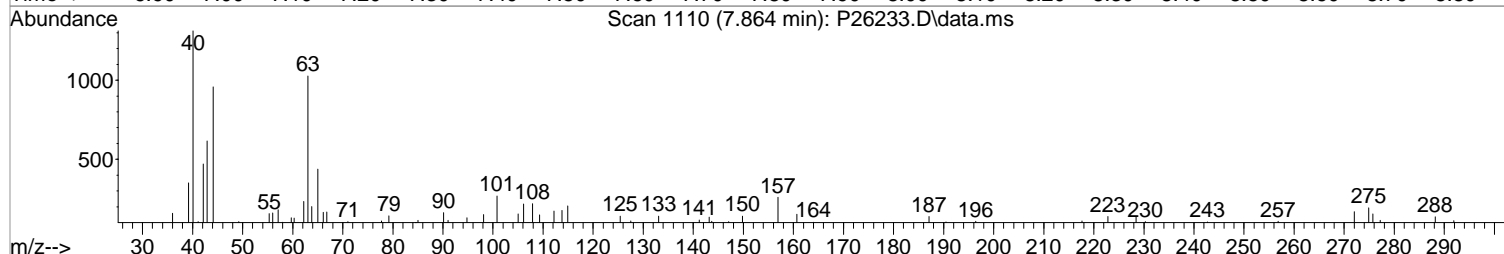
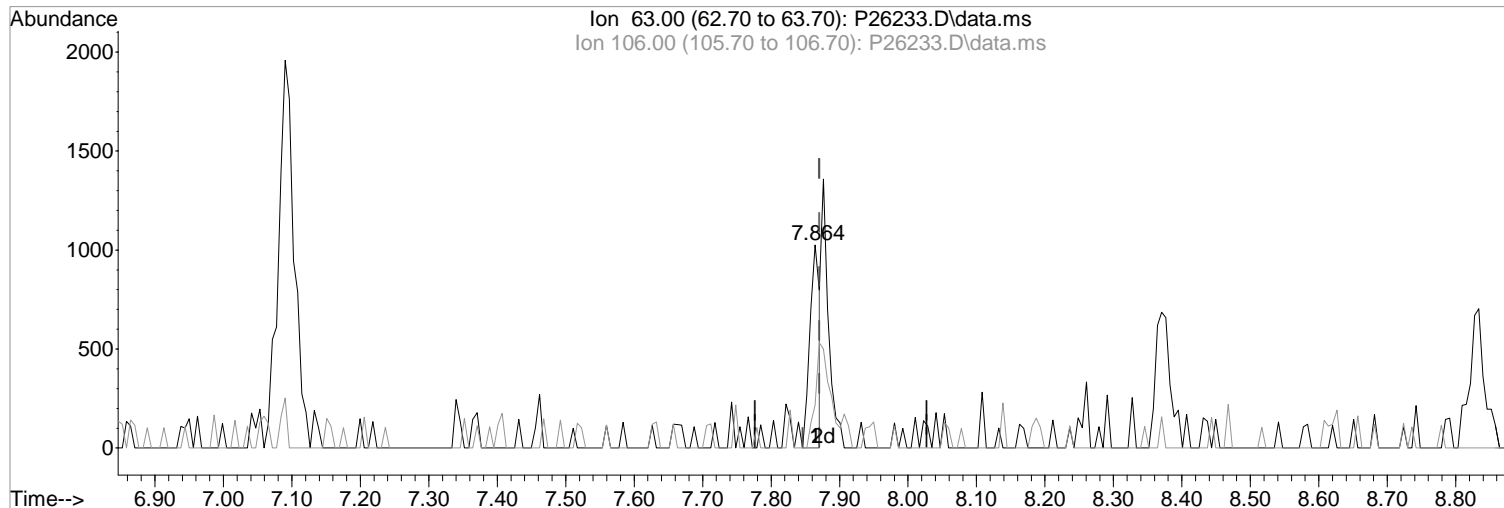
05/01/19

Ion	Exp%	Act%
63.00	100	100
106.00	32.20	36.79
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26233.D\data.ms

(62) 2-Chloroethylvinyl Ether

Manual Integration:

7.864min (-0.006) 0.47 ppb

Before

response 1024

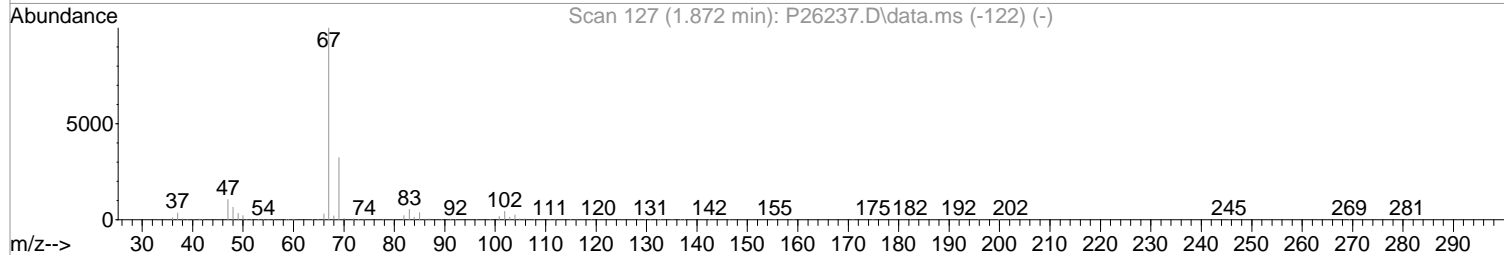
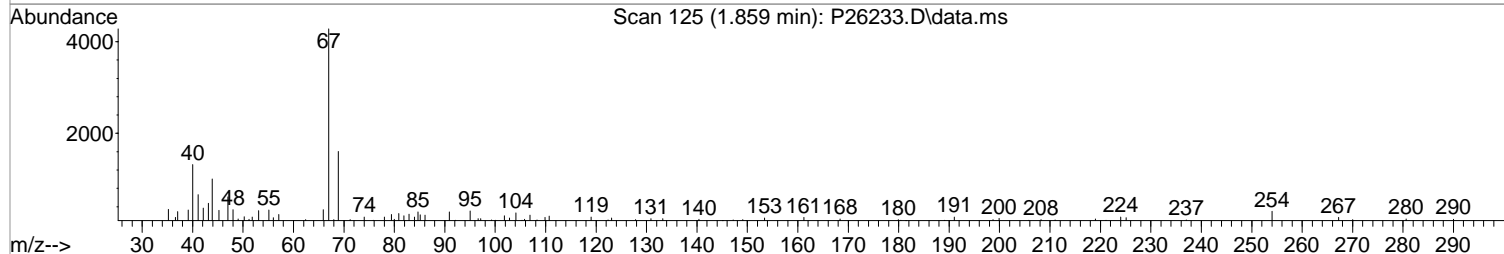
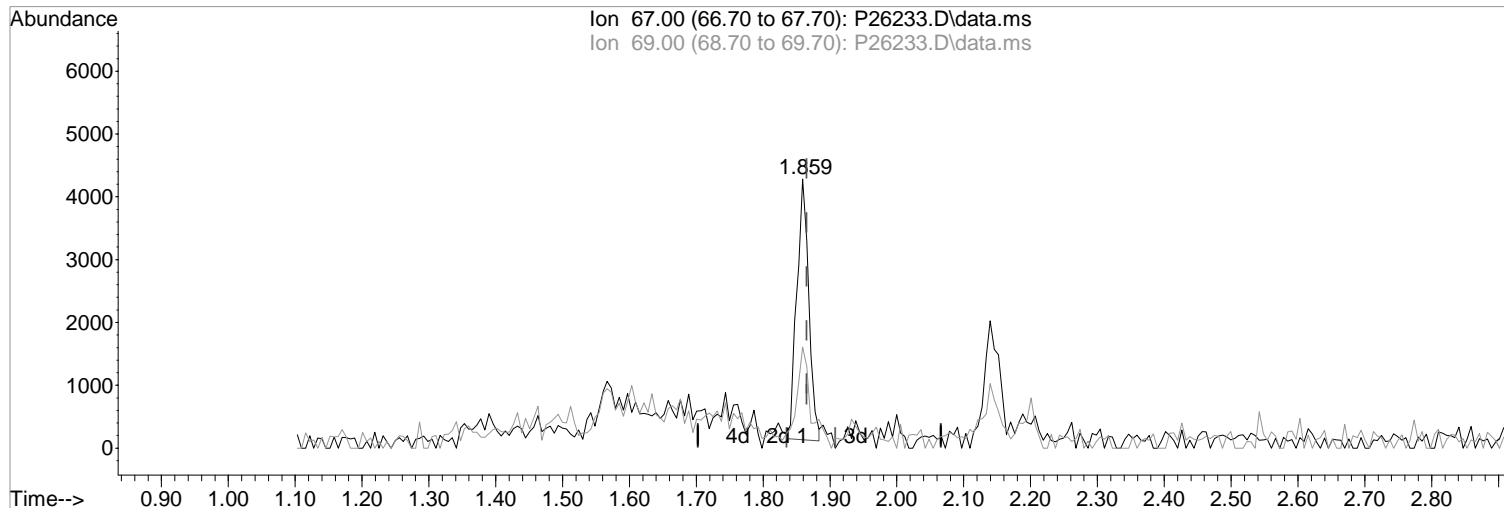
Ion	Exp%	Act%
63.00	100	100
106.00	32.20	21.25
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(7) Freon 21

1.859min (-0.006) 0.97 ppb m

response 5190

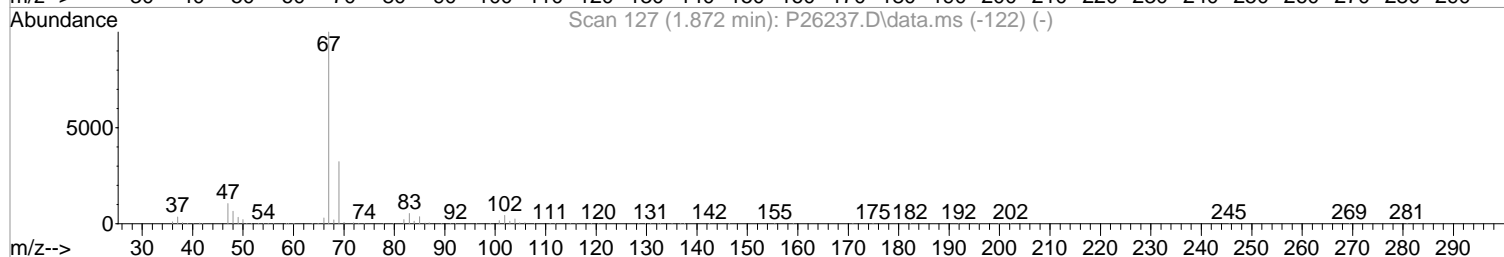
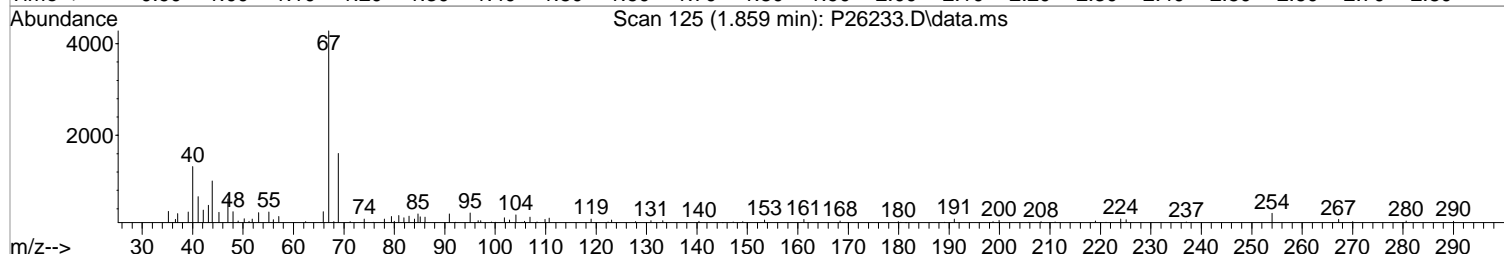
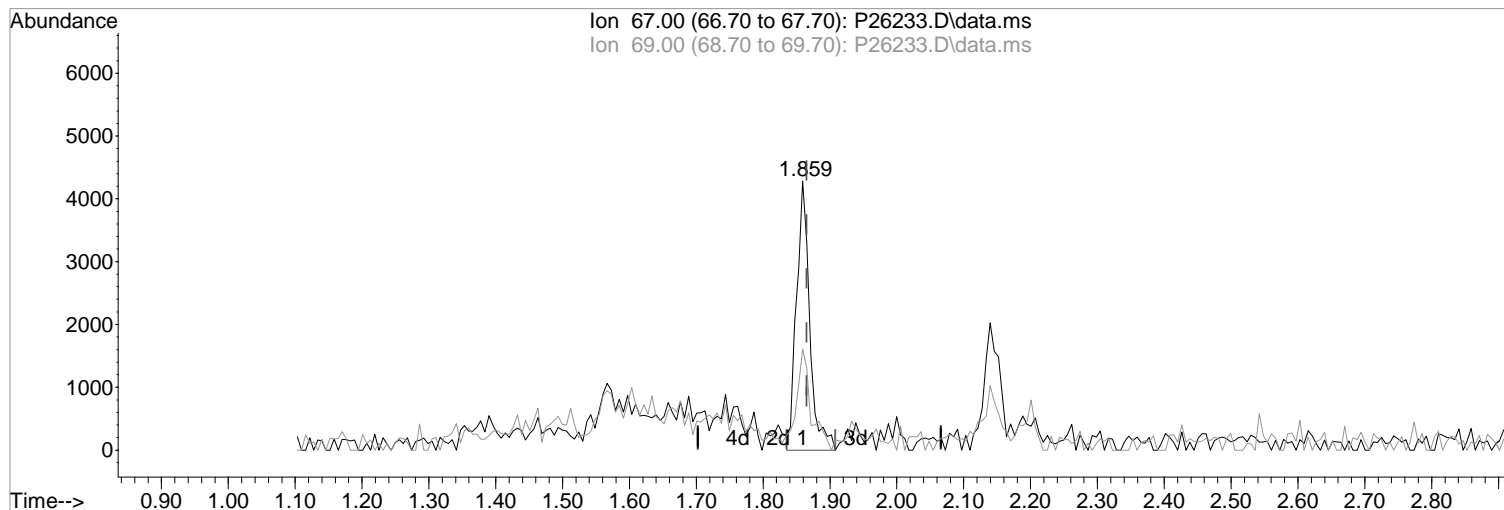
Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26233.D
Acq On : 1 May 2019 1:08 pm
Operator : K.Ruest
Sample : 1.0ppb
Misc : 8260/624 ICAL
ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:40 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(7) Freon 21

Manual Integration:

1.859min (-0.006) 1.10 ppb

Before

response 5876

Ion	Exp%	Act%
67.00	100	100
69.00	32.50	37.52
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.395	168	351521	50.00	ppb	-0.01	
43) 1,4-Difluorobenzene	6.486	114	498560	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	442620	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	229696	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	30932	10.79	ppb	-0.01	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	21.58%#		
48) surr1,1,2-dichloroetha...	5.791	65	36767	11.76	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	23.52%#		
65) SURR3,Toluene-d8	8.297	98	133615	11.23	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	22.46%#		
70) SURR2,BFB	10.864	95	50875	10.94	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	21.88%#		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	3410	1.03	ppb		93
3) Chloromethane	1.329	50	3403	1.13	ppb		76
4) Vinyl Chloride	1.408	62	3196	0.86	ppb		89
5) Bromomethane	1.640	94	4483	1.21	ppb		98
6) Chloroethane	1.713	64	2690	0.89	ppb		96
7) Freon 21	1.859	67	5190m	0.97	ppb		
8) Trichlorofluoromethane	1.908	101	4217	0.92	ppb		87
9) Diethyl Ether	2.146	59	3107	1.17	ppb		88
10) Freon 123a	2.140	67	3474	1.06	ppb		90
11) Freon 123	2.201	83	3763	0.99	ppb		83
12) Acrolein	2.237	56	3922m	6.20	ppb		
13) 1,1-Dicethene	2.323	96	3071	1.05	ppb	#	72
14) Freon 113	2.329	101	2689	1.04	ppb	#	50
15) Acetone	2.371	43	2743	1.94	ppb		91
16) 2-Propanol	2.506	45	6859m	18.82	ppb		
17) Iodomethane	2.451	142	1403	0.43	ppb	#	58
18) Carbon Disulfide	2.518	76	6383	0.91	ppb		87
19) Acetonitrile	2.627	40	1904	11.60	ppb	#	17
20) Allyl Chloride	2.652	76	1765m	1.15	ppb		
21) Methyl Acetate	2.688	43	2436	0.80	ppb		83
22) Methylene Chloride	2.774	84	3922	1.20	ppb		95
23) TBA	2.896	59	13100	19.52	ppb		77
24) Acrylonitrile	3.036	53	8063	5.26	ppb		86
25) Methyl-t-Butyl Ether	3.079	73	11021	1.04	ppb		90
26) trans-1,2-Dichloroethene	3.072	96	3669	1.14	ppb	#	74
28) 1,1-Dicethane	3.566	63	5579	1.06	ppb		92
29) Vinyl Acetate	3.676	86	288m	0.44	ppb		
30) DIPE	3.688	45	8536	1.04	ppb		83
31) 2-Chloro-1,3-Butadiene	3.688	53	3887	0.99	ppb		99
32) ETBE	4.219	59	9225	1.02	ppb		90
33) 2,2-Dichloropropane	4.389	77	4736m	0.99	ppb		
34) cis-1,2-Dichloroethene	4.408	96	4217m	1.11	ppb		
36) Propionitrile	4.536	54	3398m	4.90	ppb		
37) Bromochloromethane	4.798	130	2398m	0.94	ppb		
38) Methacrylonitrile	4.822	67	1425	0.75	ppb	#	73
40) Chloroform	4.981	83	5556	1.00	ppb	#	74
41) 1,1,1-Trichloroethane	5.261	97	5360	1.03	ppb		78
42) TAME	6.102	73	9631	1.01	ppb		88
44) Cyclohexane	5.353	41	2453m	0.91	ppb		

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Carbontetrachloride	5.523	117	4031m	0.93	ppb	
47) 1,1-Dichloropropene	5.548	75	3861	0.96	ppb	91
49) Benzene	5.865	78	13316	1.03	ppb	95
50) 1,2-Dichloroethane	5.907	62	4629	1.01	ppb	81
51) Iso-Butyl Alcohol	5.871	43	5327m	19.19	ppb	
52) n-Heptane	6.352	43	3460	1.01	ppb	88
53) 1-Butanol	6.834	56	8370m	44.20	ppb	
54) Trichloroethene	6.803	130	4051	1.01	ppb	# 67
55) Methylcyclohexane	7.041	55	4170	1.11	ppb	88
56) 1,2-Diclpropane	7.090	63	3141	1.01	ppb	85
57) Dibromomethane	7.236	93	2057	0.94	ppb	# 80
58) 1,4-Dioxane	7.285	88	1759m	20.87	ppb	
59) Methyl Methacrylate	7.322	69	2880	0.94	ppb	# 73
60) Bromodichloromethane	7.462	83	4230	0.98	ppb	93
61) 2-Nitropropane	7.742	41	1819	1.63	ppb	86
62) 2-Chloroethylvinyl Ether	7.876	63	1997m	0.91	ppb	
63) cis-1,3-Dichloropropene	8.004	75	5478	0.99	ppb	84
64) 4-Methyl-2-pentanone	8.212	43	3476	0.89	ppb	84
66) Toluene	8.376	91	13433	0.92	ppb	94
67) trans-1,3-Dichloropropene	8.645	75	4340	0.88	ppb	90
68) Ethyl Methacrylate	8.785	69	5385	1.01	ppb	89
69) 1,1,2-Trichloroethane	8.827	97	3754	1.07	ppb	88
72) Tetrachloroethene	8.962	164	2769	0.87	ppb	# 83
73) 2-Hexanone	9.120	43	2177	0.73	ppb	99
74) 1,3-Dichloropropane	9.004	76	4706	0.88	ppb	89
75) Dibromochloromethane	9.224	129	3716	0.96	ppb	92
76) N-Butyl Acetate	9.279	43	5922	1.04	ppb	88
77) 1,2-Dibromoethane	9.321	107	3694	1.03	ppb	# 75
78) Chlorobenzene	9.815	112	9837	1.01	ppb	89
79) 3-CBTF	9.833	180	5154	0.92	ppb	# 91
80) 4-CBTF	9.888	180	4584	0.90	ppb	88
81) 1,1,1,2-Tetrachloroethane	9.907	131	3692	0.98	ppb	# 78
82) Ethylbenzene	9.937	106	4885	0.93	ppb	# 87
83) (m+p)Xylene	10.053	106	12731	1.95	ppb	90
84) o-Xylene	10.406	106	6419	0.97	ppb	# 83
85) Styrene	10.419	104	8523	0.83	ppb	86
87) Bromoform	10.571	173	2476	0.93	ppb	90
88) 2-CBTF	10.650	180	5613	1.11	ppb	# 90
89) Isopropylbenzene	10.742	105	15958	1.10	ppb	98
90) Cyclohexanone	10.803	55	15150	21.02	ppb	86
91) trans-1,4-Dichloro-2-B...	11.047	53	1332	1.12	ppb	# 72
92) 1,1,2,2-Tetrachloroethane	10.998	83	5199	1.19	ppb	84
93) Bromobenzene	10.986	156	4539	1.04	ppb	# 81
94) 1,2,3-Trichloropropane	11.022	110	1946	1.19	ppb	# 75
95) n-Propylbenzene	11.095	91	16727	1.07	ppb	93
96) 2-Chlorotoluene	11.162	91	9316	0.96	ppb	85
97) 3-Chlorotoluene	11.211	91	9500	1.03	ppb	95
98) 4-Chlorotoluene	11.254	91	11143	1.00	ppb	79
99) 1,3,5-Trimethylbenzene	11.248	105	12723	1.05	ppb	94
100) tert-Butylbenzene	11.522	119	10875	0.98	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	12960	1.07	ppb	88
102) 3,4-DCBTF	11.620	214	4588	1.06	ppb	# 85
103) sec-Butylbenzene	11.705	105	16150	1.04	ppb	87
104) p-Isopropyltoluene	11.827	119	13102	0.97	ppb	81
105) 1,3-Dclbenz	11.784	146	7854	1.01	ppb	95
106) 1,4-Dclbenz	11.857	146	8407	1.06	ppb	91

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 2 Sample Multiplier: 1

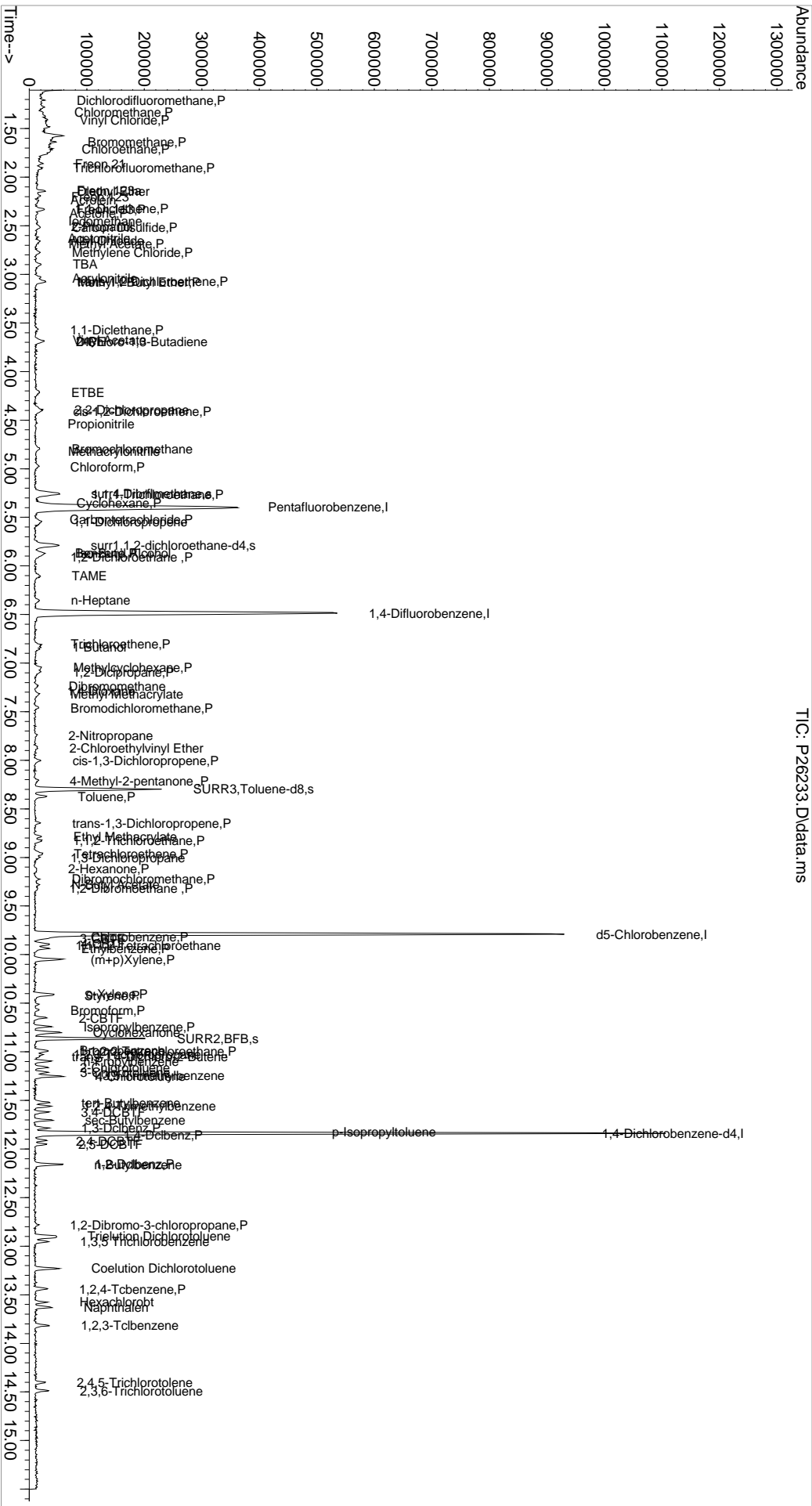
Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 2,4-DCBTF	11.918	214	3810	0.98	ppb	93
108) 2,5-DCBTF	11.955	214	4152	0.96	ppb	88
109) n-Butylbenzene	12.162	91	11067	0.99	ppb	96
110) 1,2-Dclbenz	12.156	146	8124	1.05	ppb	95
111) 1,2-Dibromo-3-chloropr...	12.784	157	1513	0.98	ppb #	50
112) Trielution Dichlorotol...	12.894	125	20256	3.11	ppb #	91
113) 1,3,5 Trichlorobenzene	12.955	180	6340	1.03	ppb #	89
114) Coelution Dichlorotoluene	13.229	125	14548	2.00	ppb	98
115) 1,2,4-Tcbenzene	13.442	180	5821	0.90	ppb	97
116) Hexachlorobt	13.577	225	2953	1.06	ppb	88
117) Naphthalen	13.631	128	19207	1.03	ppb	98
118) 1,2,3-Tclbenzene	13.814	180	6985	1.02	ppb	87
119) 2,4,5-Trichlorotolene	14.406	159	3660m	0.88	ppb	
120) 2,3,6-Trichlorotoluene	14.491	159	4567	0.94	ppb	95

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

05/01/19

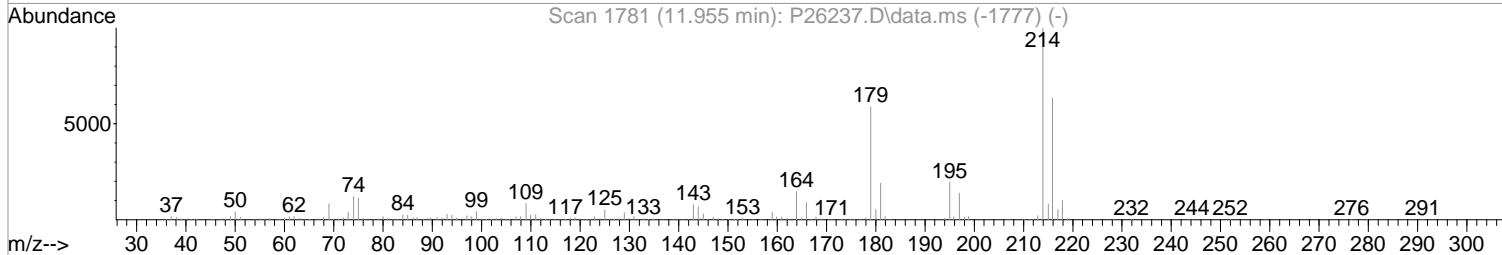
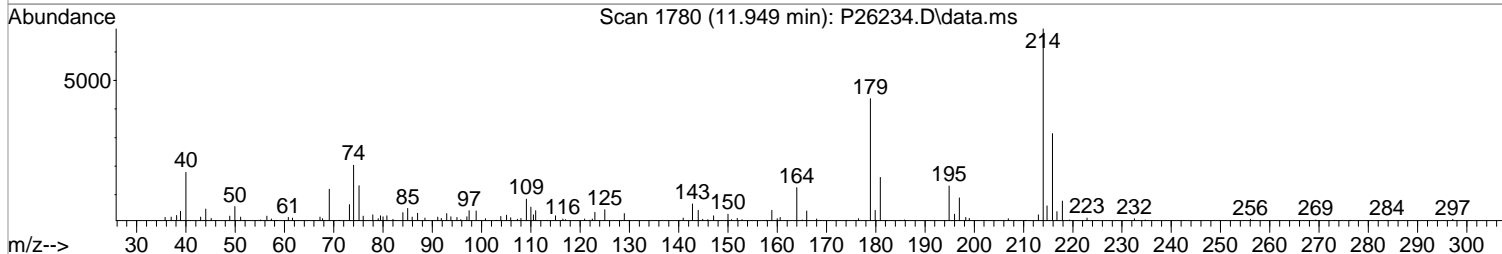
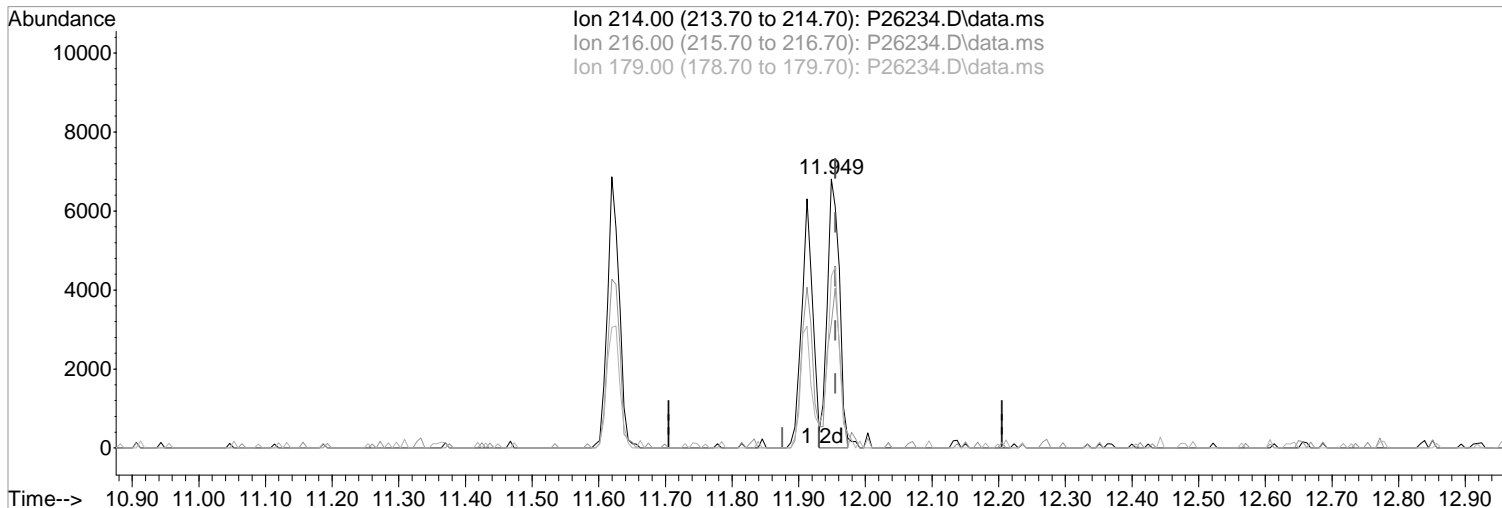
Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26233.D
 Acq On : 1 May 2019 1:08 pm
 Operator : K.Ruest
 Sample : 1.0ppb
 Disc : 8260/624 ICAL
 PALS Vial : 2 Sample Multiplier: 1
 Inst : MSVOA-12
 Quant Time: May 01 16:53:41 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(108) 2,5-DCBTF
11.949min (-0.006) 1.91 ppb m
response 8578

Manual Integration:
After
Wrong peak selected.

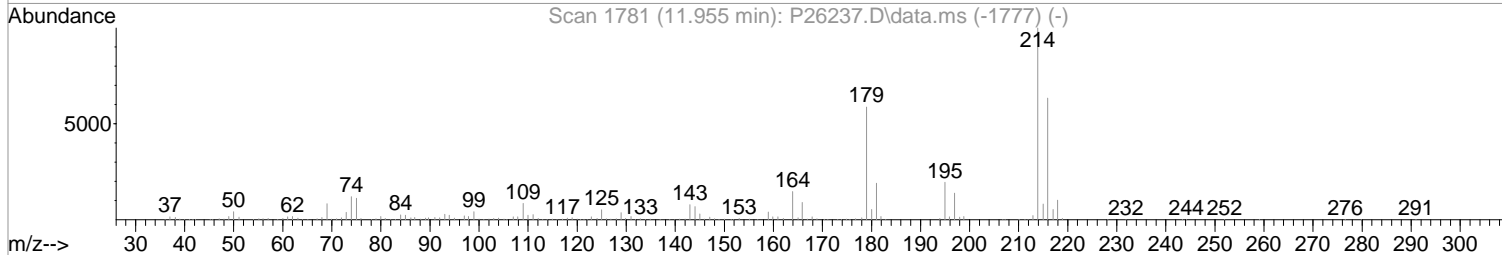
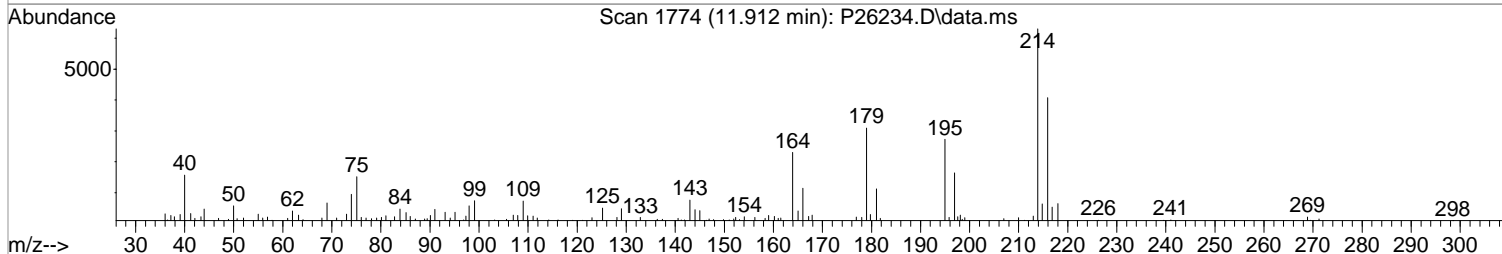
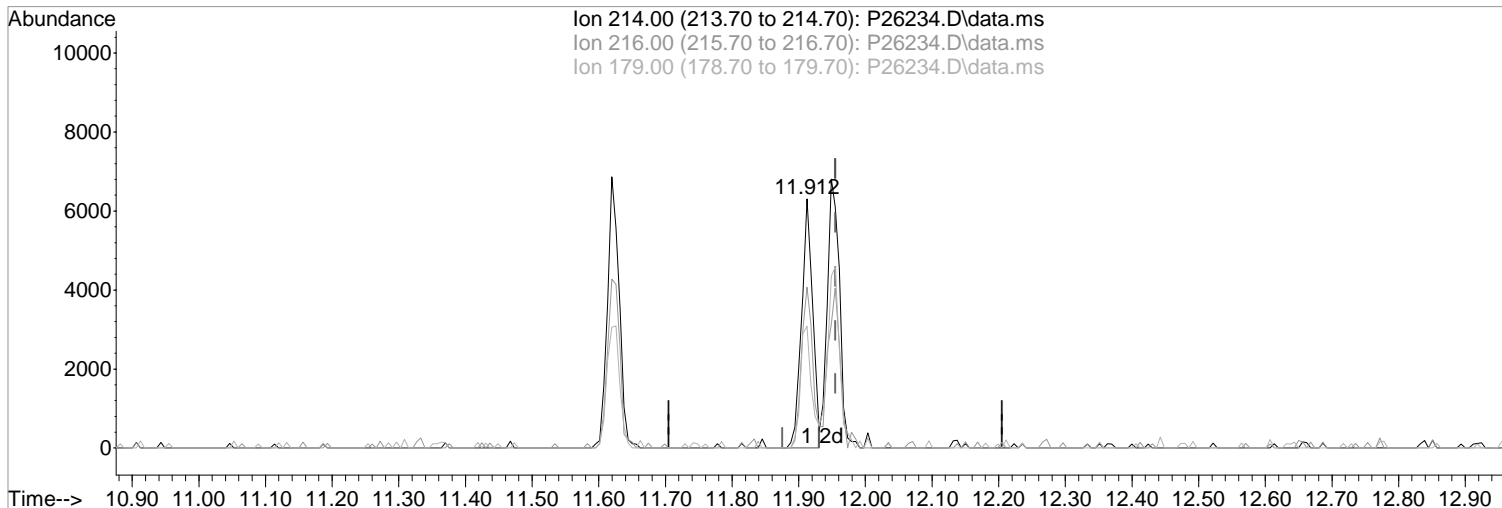
Ion	Exp%	Act%
214.00	100	100
216.00	63.50	46.19#
179.00	57.30	63.99
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(108) 2,5-DCBTF

11.912min (-0.043) 1.65 ppb

response 7385

Ion	Exp%	Act%
214.00	100	100
216.00	63.50	64.60
179.00	57.30	48.93
0.00	0.00	0.00

Manual Integration:

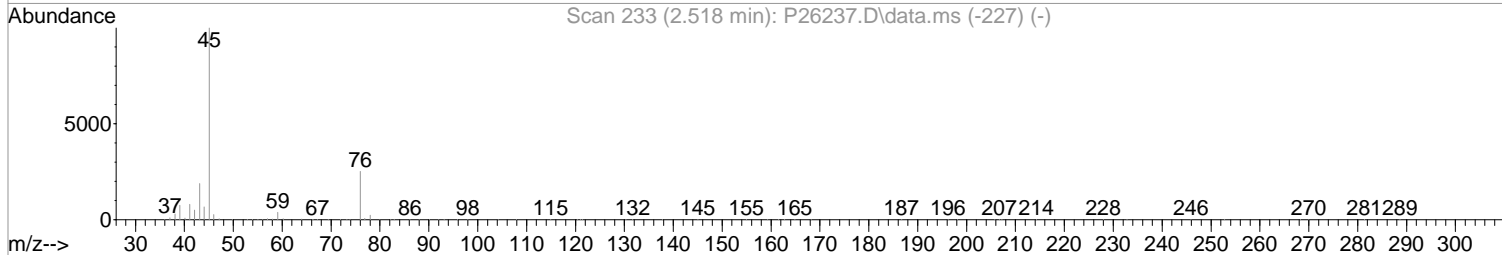
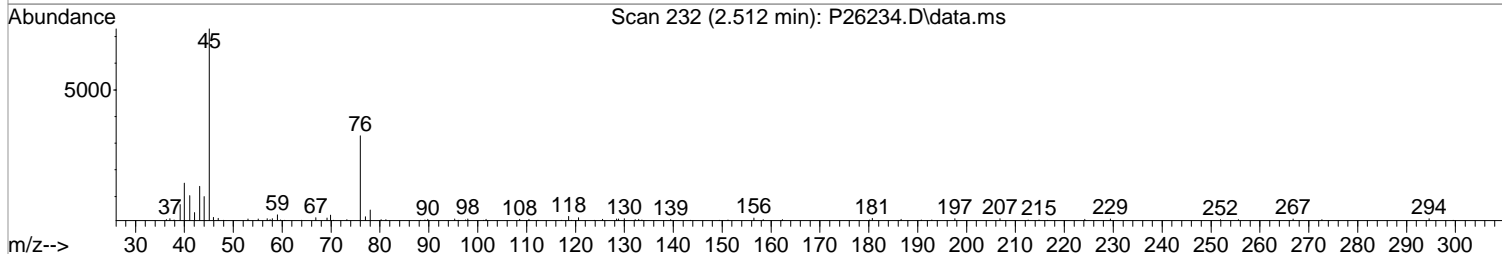
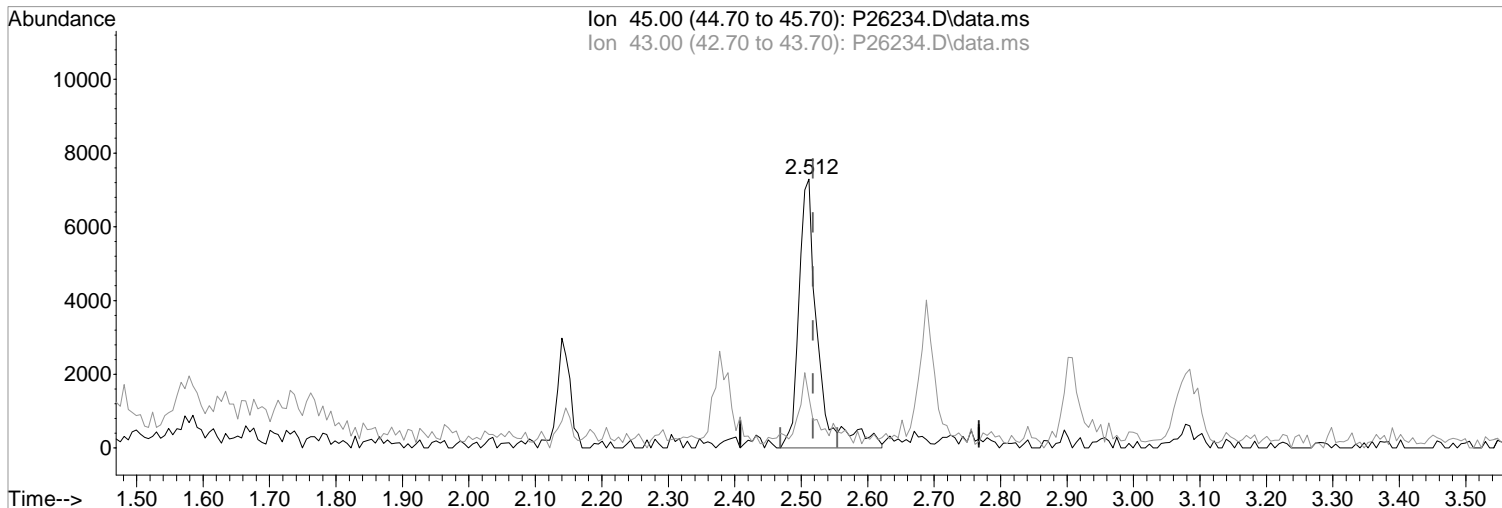
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(16) 2-Propanol

2.512min (-0.006) 41.25 ppb m

response 14531

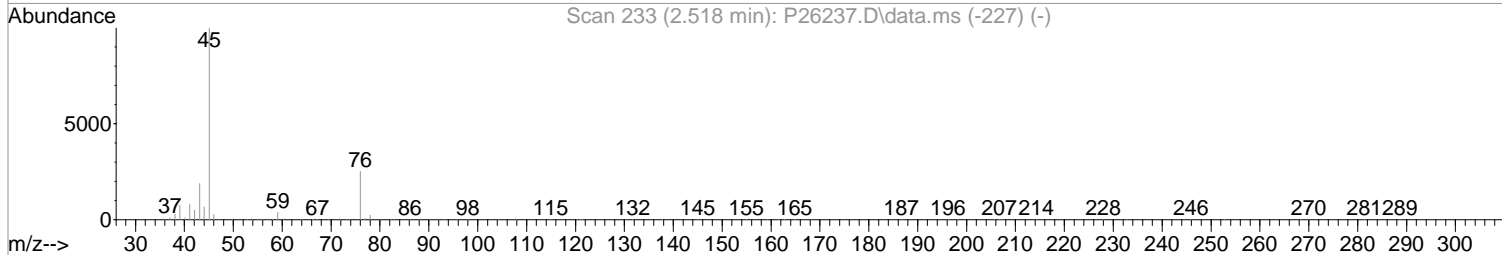
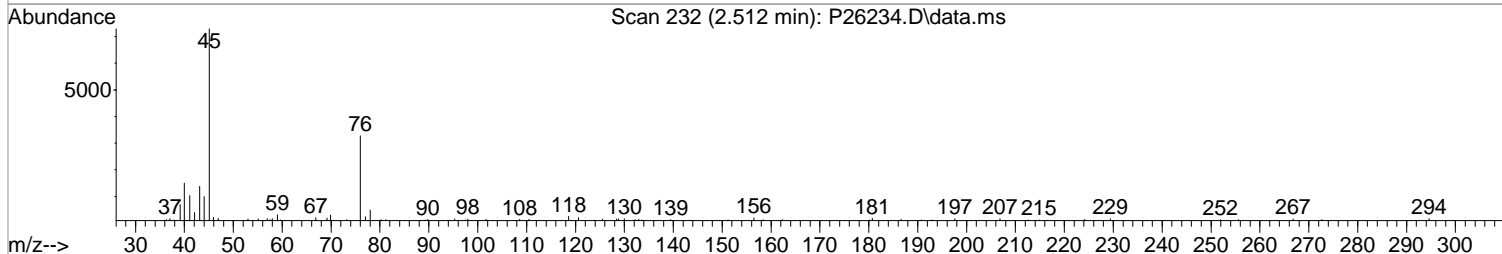
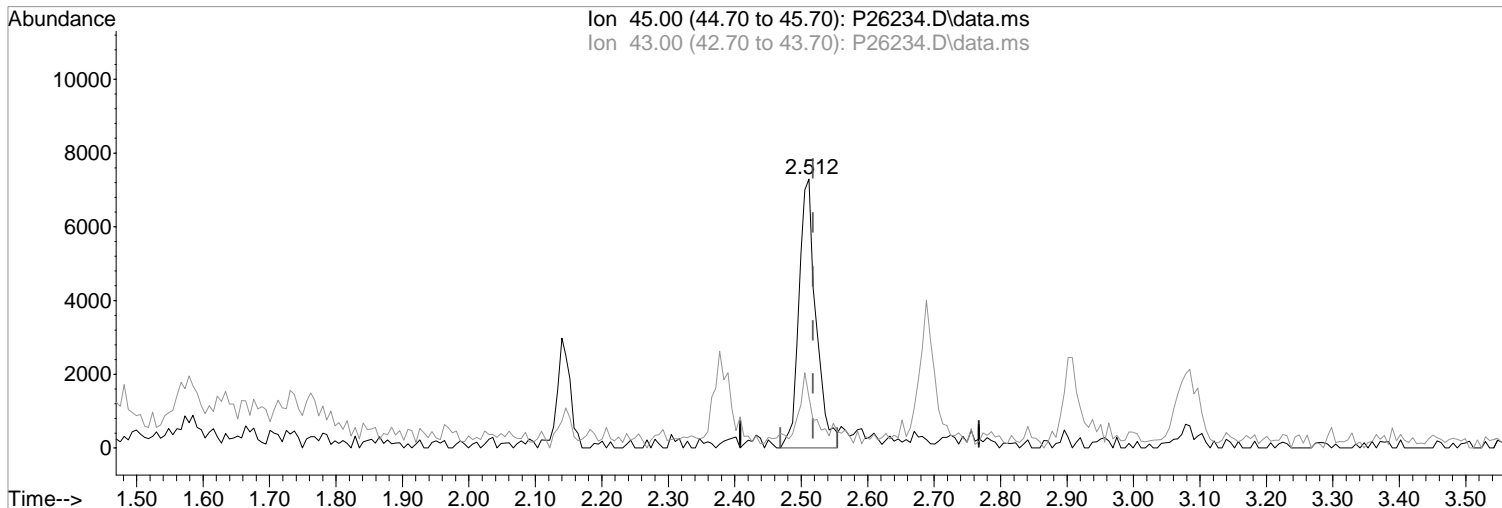
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 36.99 ppb
response 13032

Manual Integration:
Before

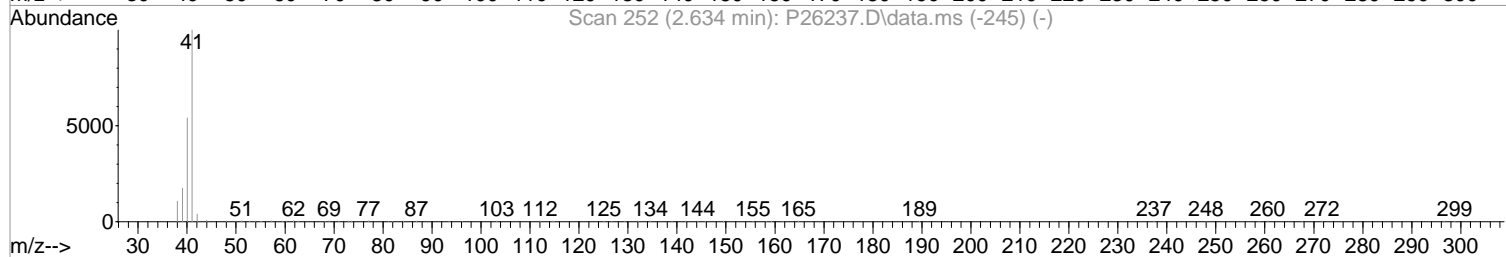
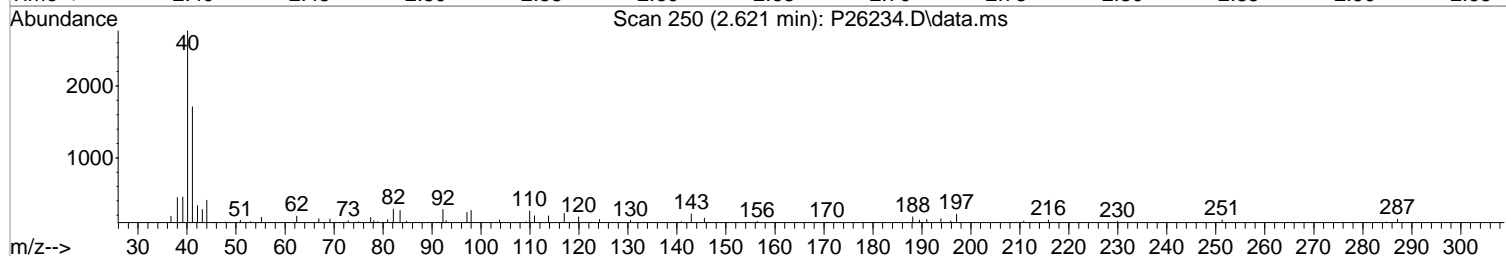
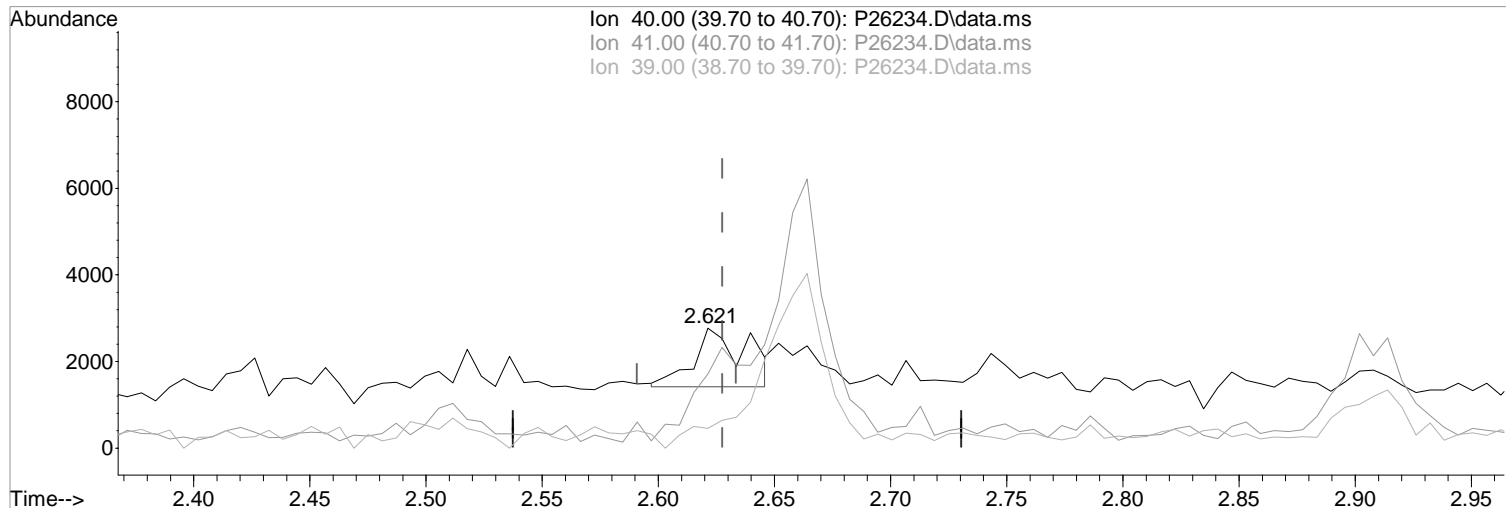
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	18.93
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(19) Acetonitrile
2.621min (-0.006) 13.57 ppb m
response 2154

Manual Integration:
After
Poor integration.

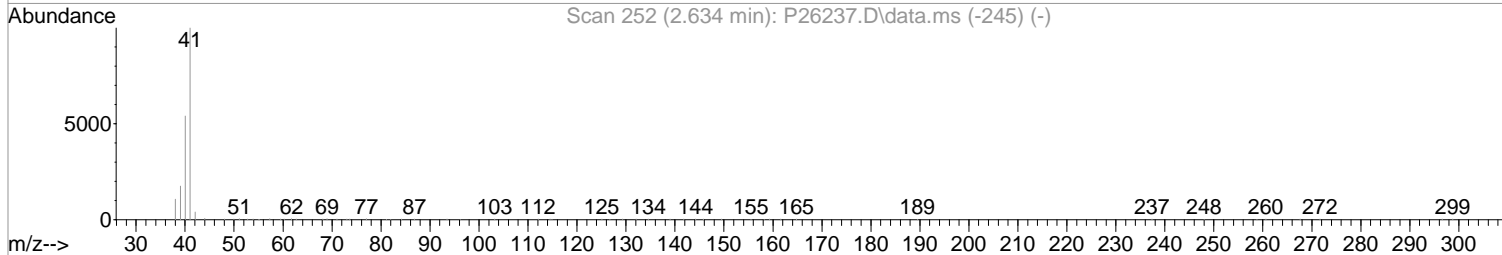
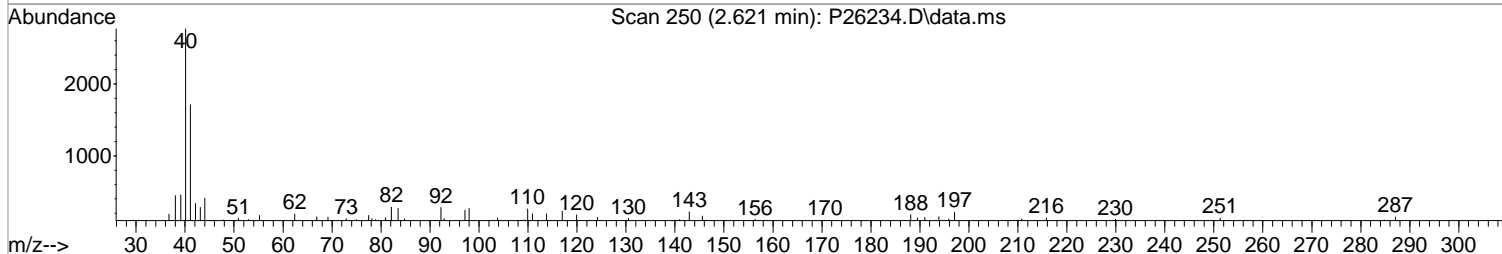
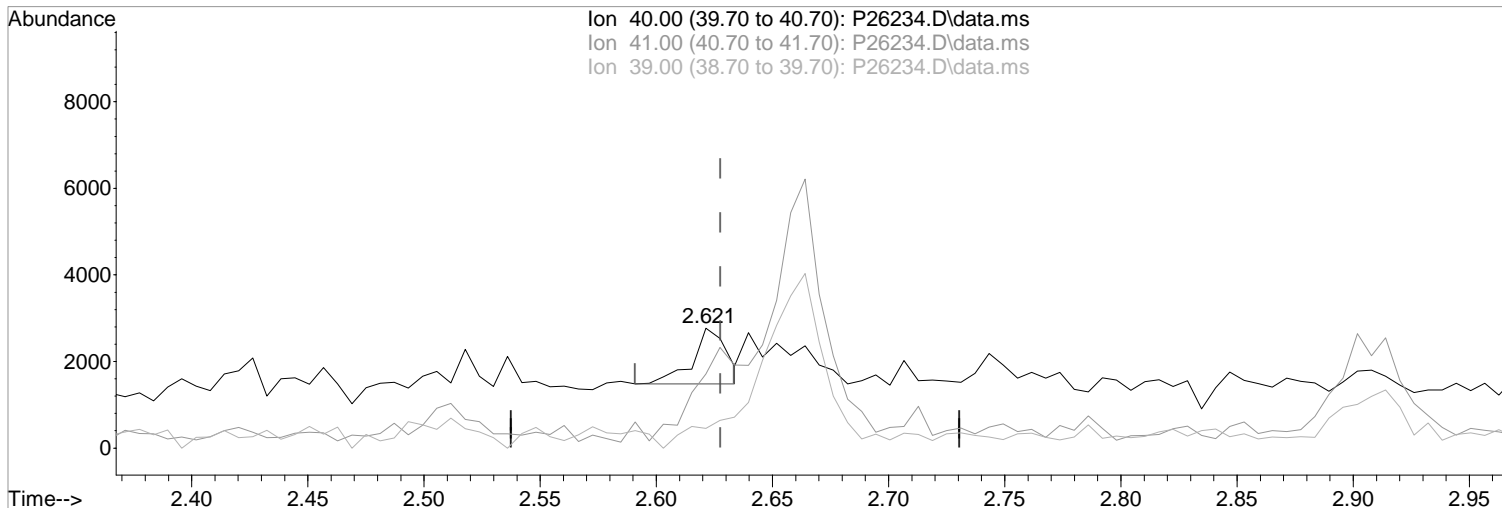
Ion	Exp%	Act%
40.00	100	100
41.00	180.70	61.83#
39.00	33.90	16.43
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(19) Acetonitrile

2.621min (-0.006) 8.29 ppb

response 1316

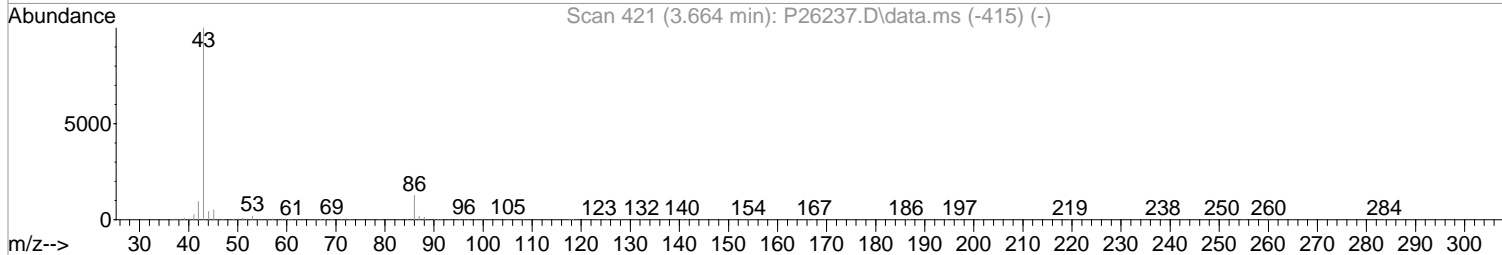
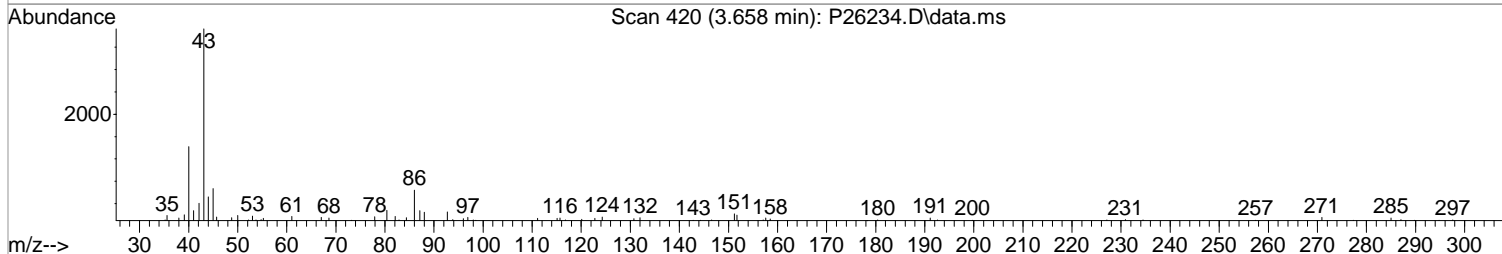
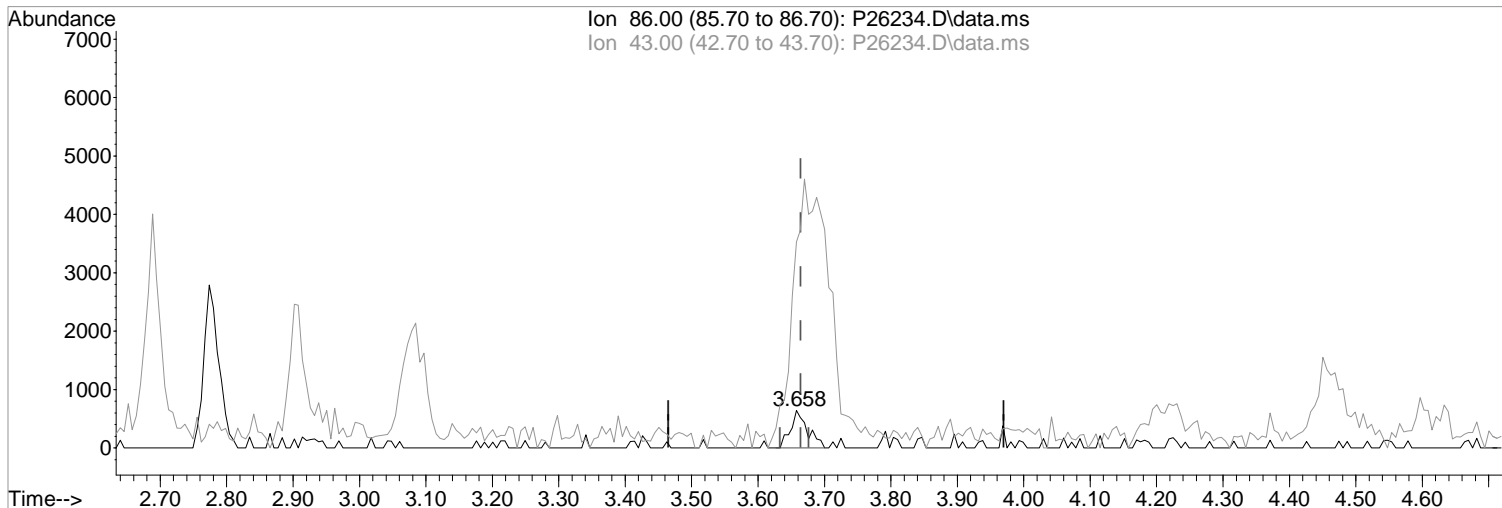
Ion	Exp%	Act%
40.00	100	100
41.00	180.70	61.83#
39.00	33.90	16.43
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(29) Vinyl Acetate
3.658min (-0.006) 1.83 ppb m
response 1155

Manual Integration:
After
Poor integration.

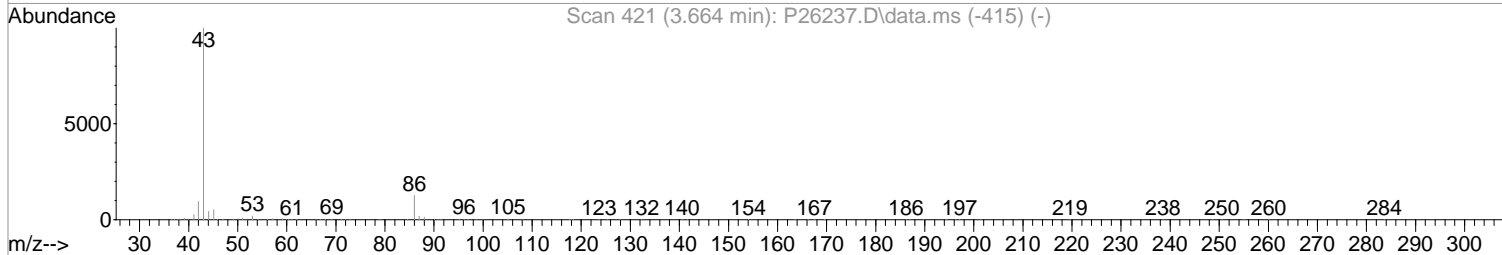
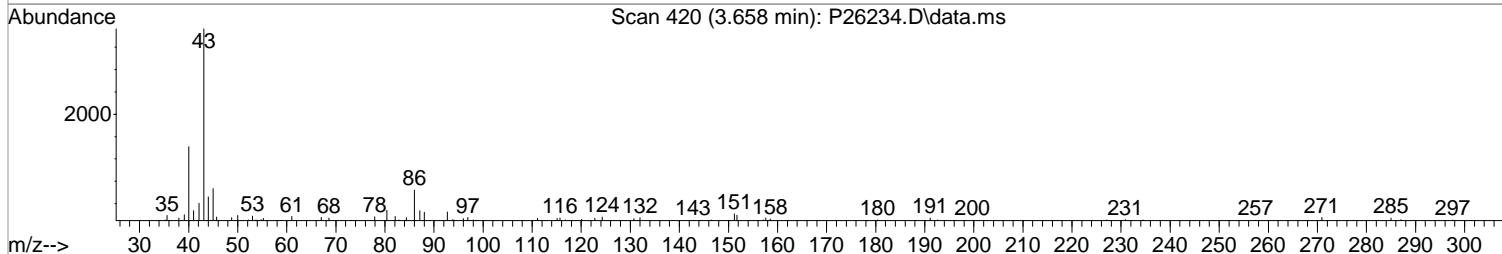
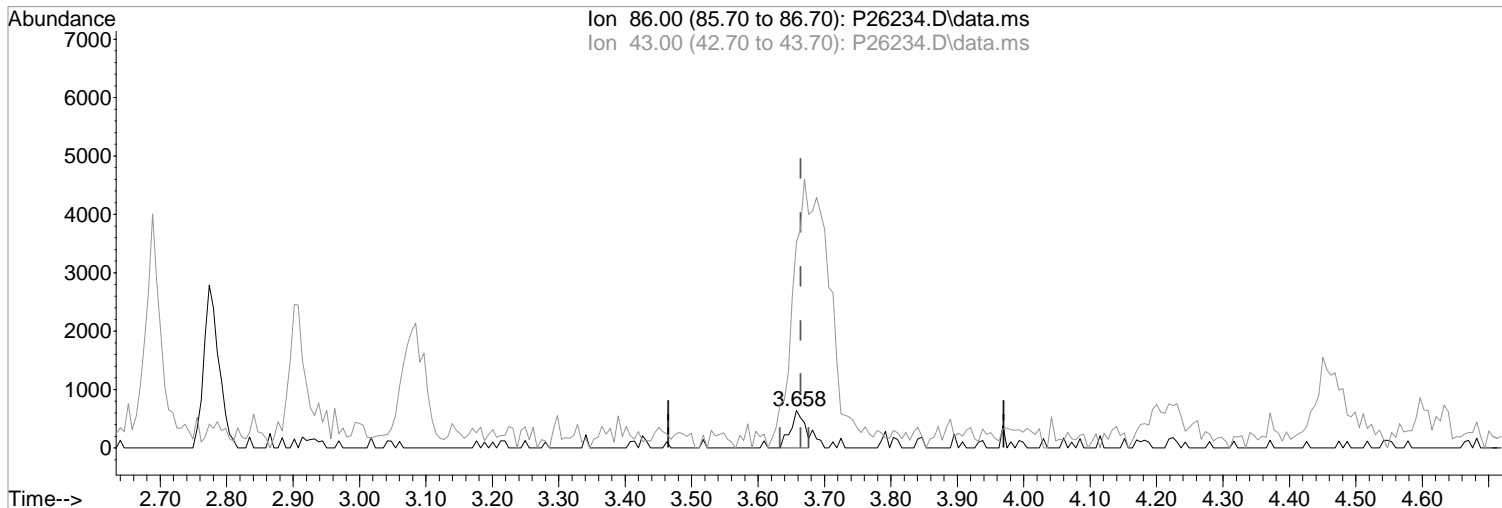
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(29) Vinyl Acetate
3.658min (-0.006) 1.48 ppb
response 938

Manual Integration:
Before

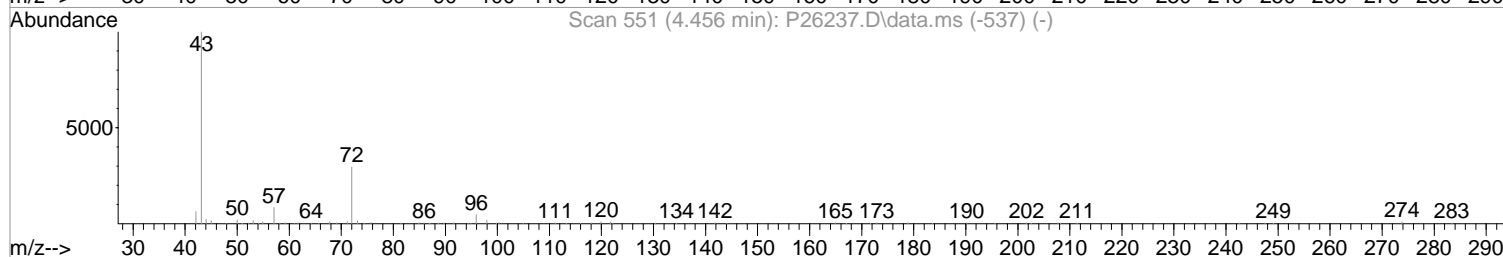
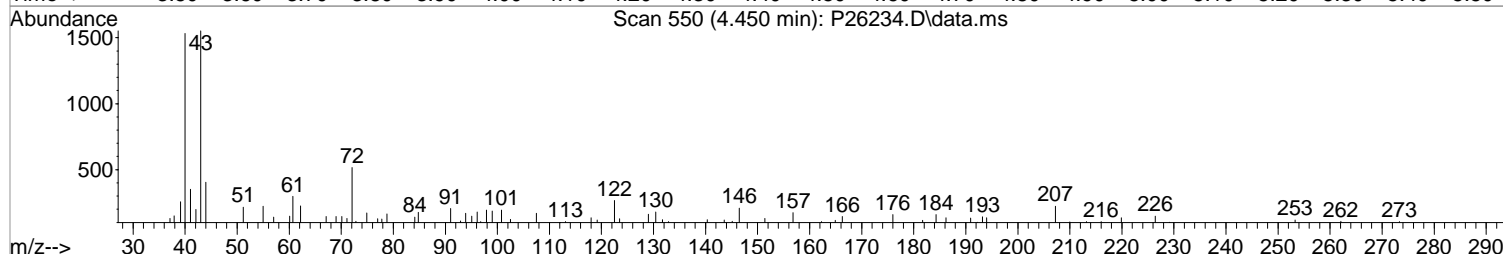
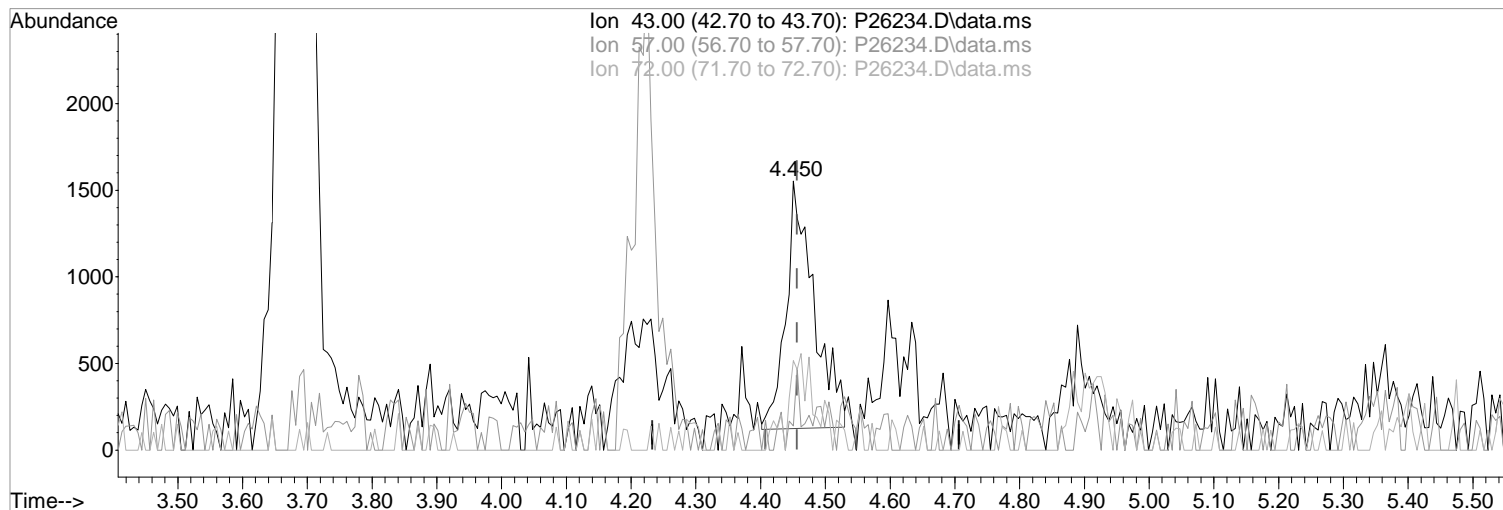
Ion	Exp%	Act%
86.00	100	100
43.00	802.20	549.69#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(35) 2-Butanone (P)

4.450min (-0.006) 2.29 ppb m

response 4296

Ion	Exp%	Act%
43.00	100	100
57.00	9.00	8.95
72.00	29.40	33.29
0.00	0.00	0.00

Manual Integration:

After

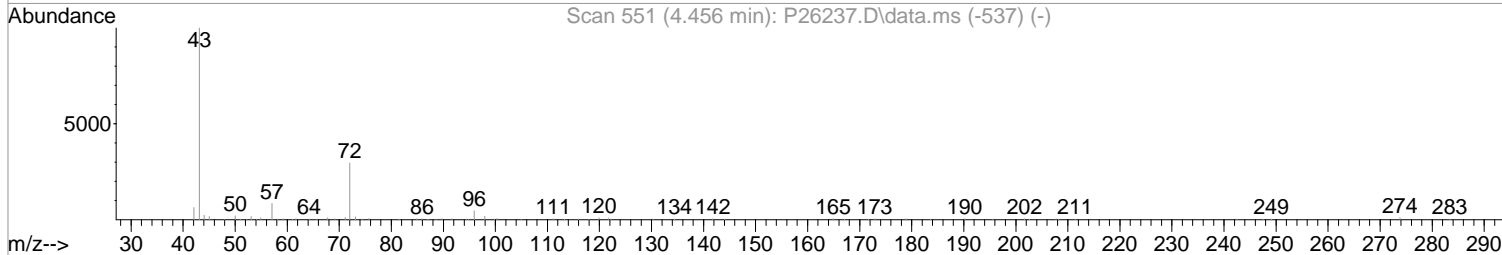
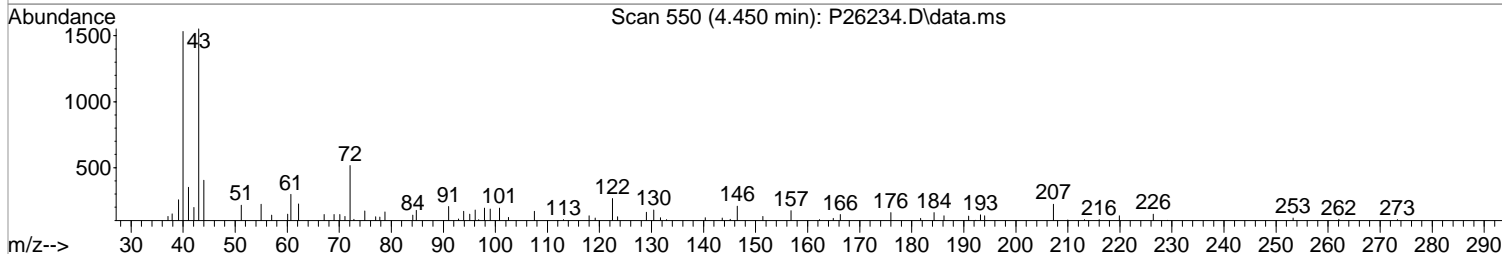
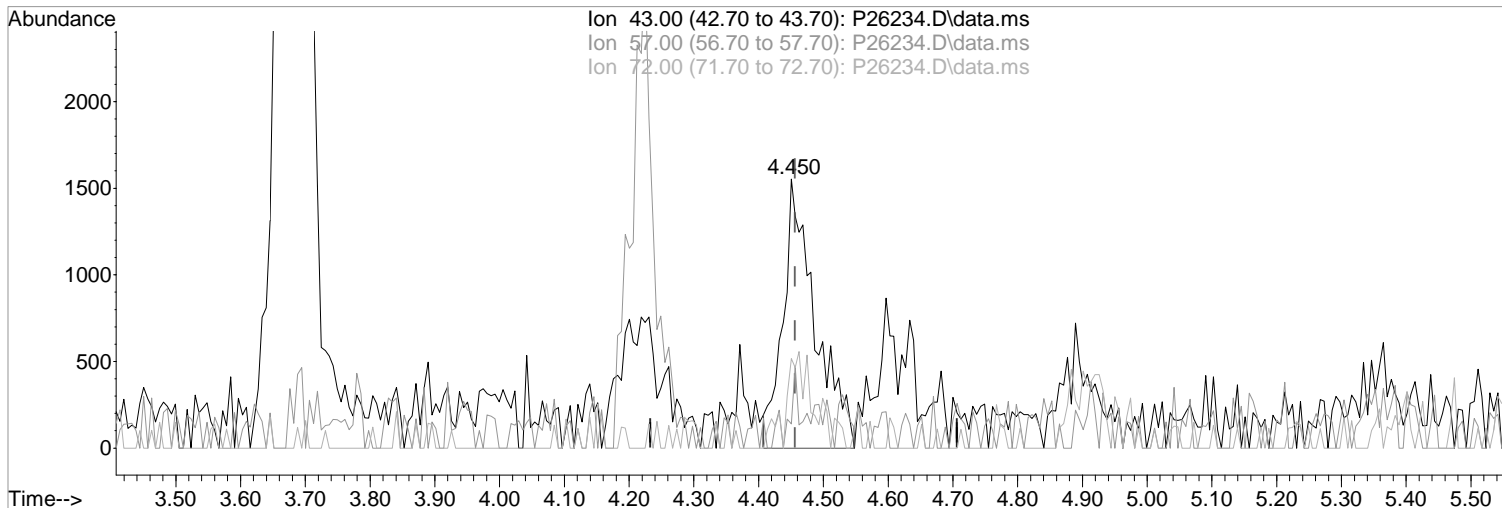
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(35) 2-Butanone (P)

4.450min (-0.006) 2.85 ppb

response 5357

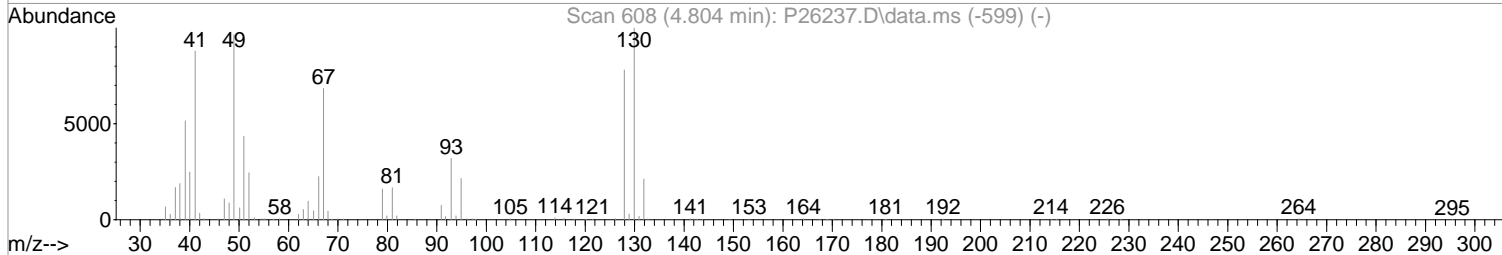
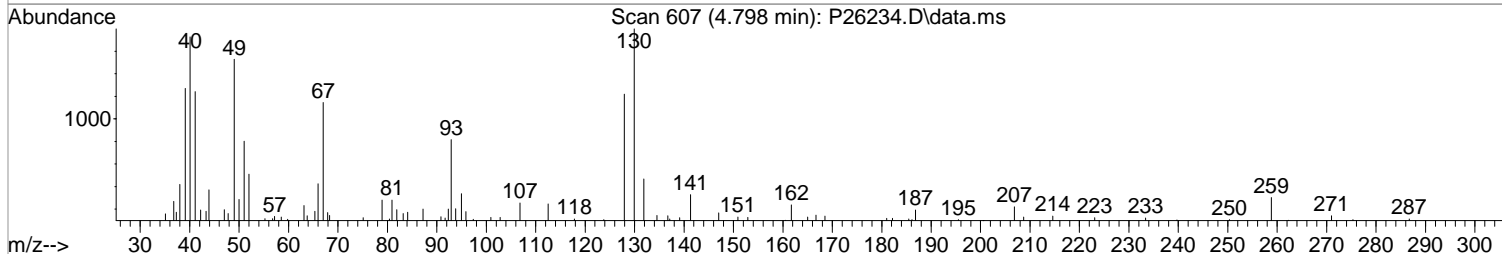
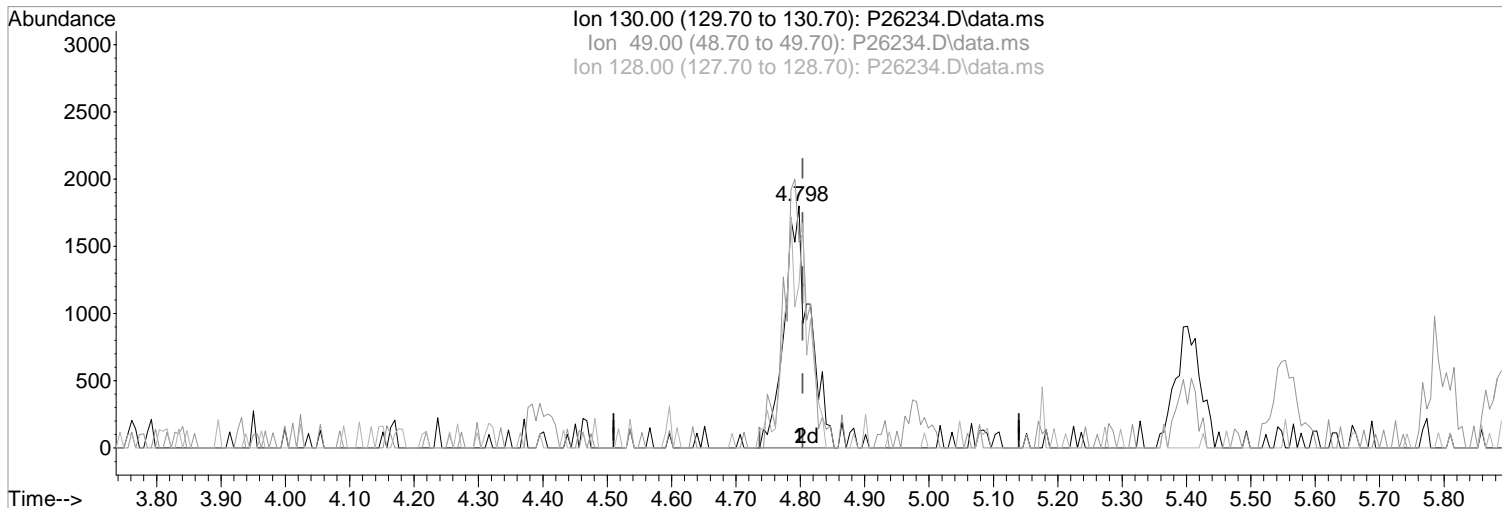
Ion	Exp%	Act%
43.00	100	100
57.00	9.00	8.95
72.00	29.40	33.29
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



TIC: P26234.D\data.ms

(37) Bromochloromethane

4.798min (-0.006) 2.00 ppb m

response 4906

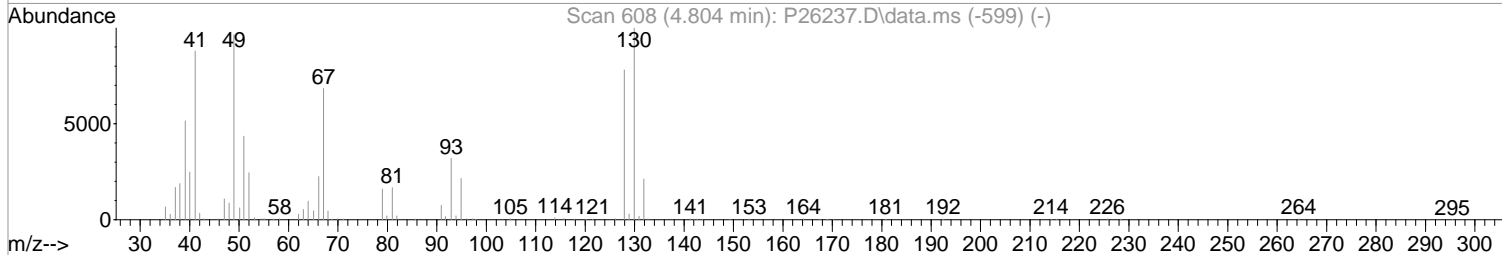
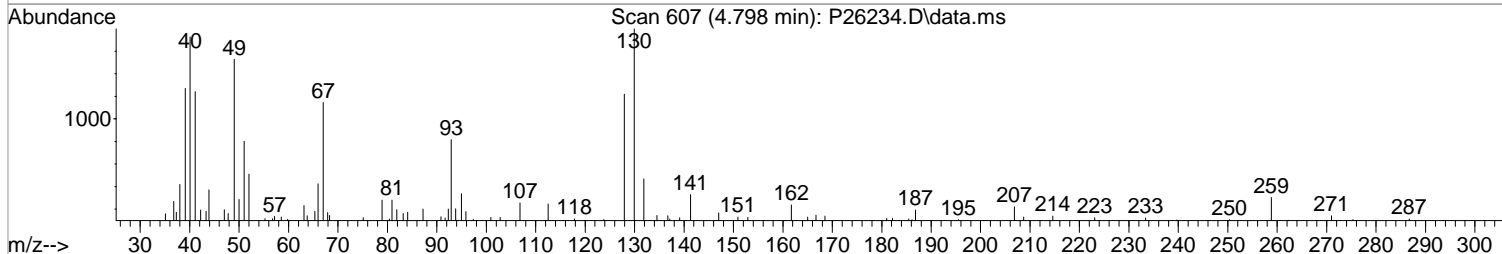
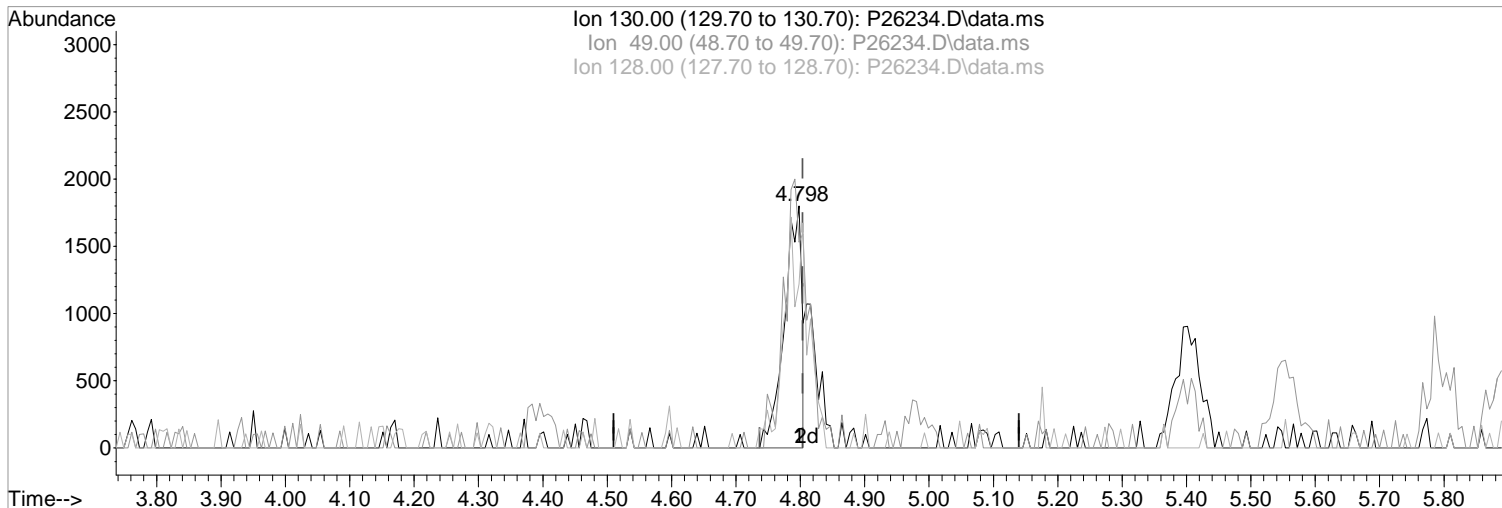
Ion	Exp%	Act%
130.00	100	100
49.00	96.80	85.00
128.00	78.80	67.78
0.00	0.00	0.00

Manual Integration:
 After
 Split Peak
 05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(37) Bromochloromethane

Manual Integration:

4.798min (-0.006) 1.38 ppb

Before

response 3396

Ion Exp% Act%

05/01/19

130.00 100 100

49.00 96.80 85.00

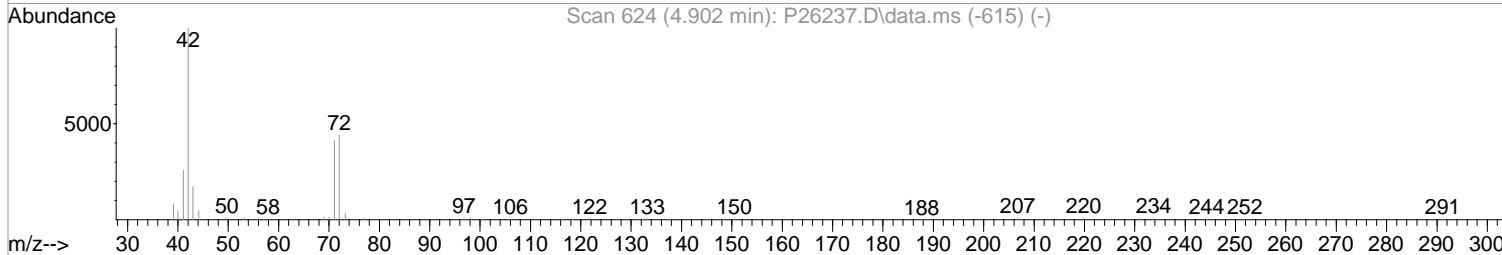
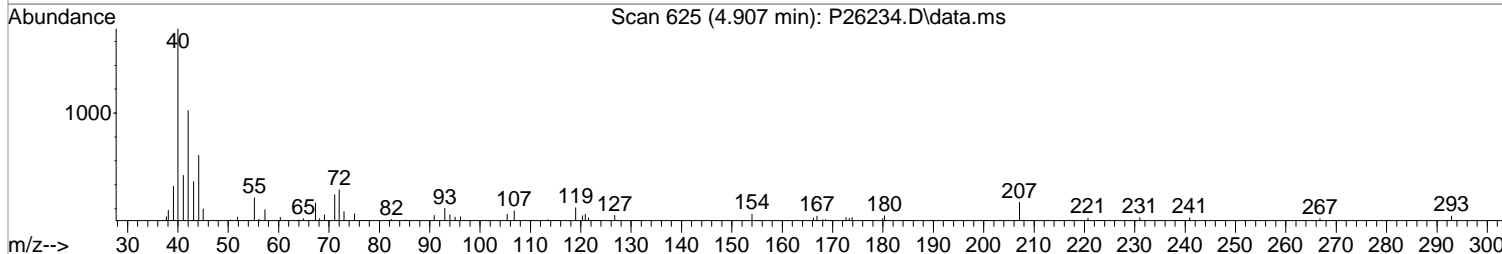
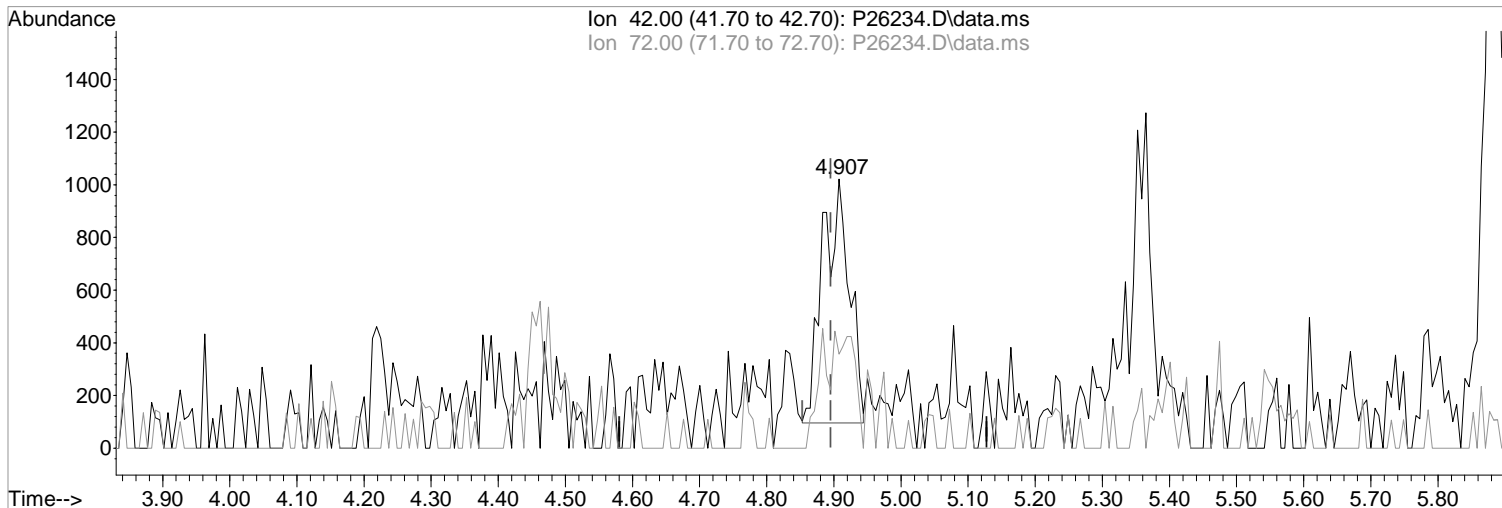
128.00 78.80 67.78

0.00 0.00 0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(39) Tetrahydrofuran

4.907min (+0.012) 2.03 ppb m

response 2588

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	34.93
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

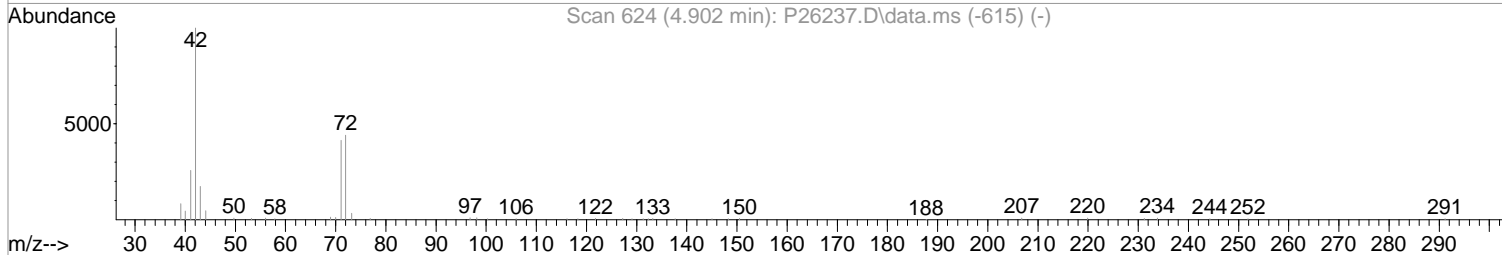
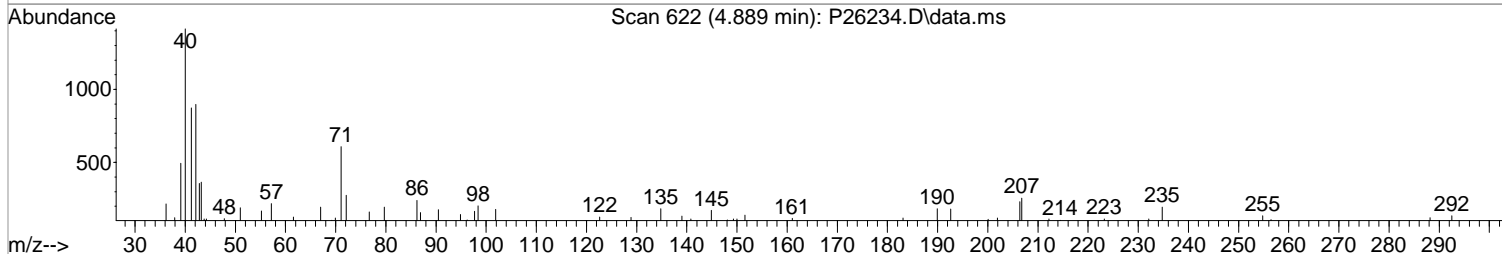
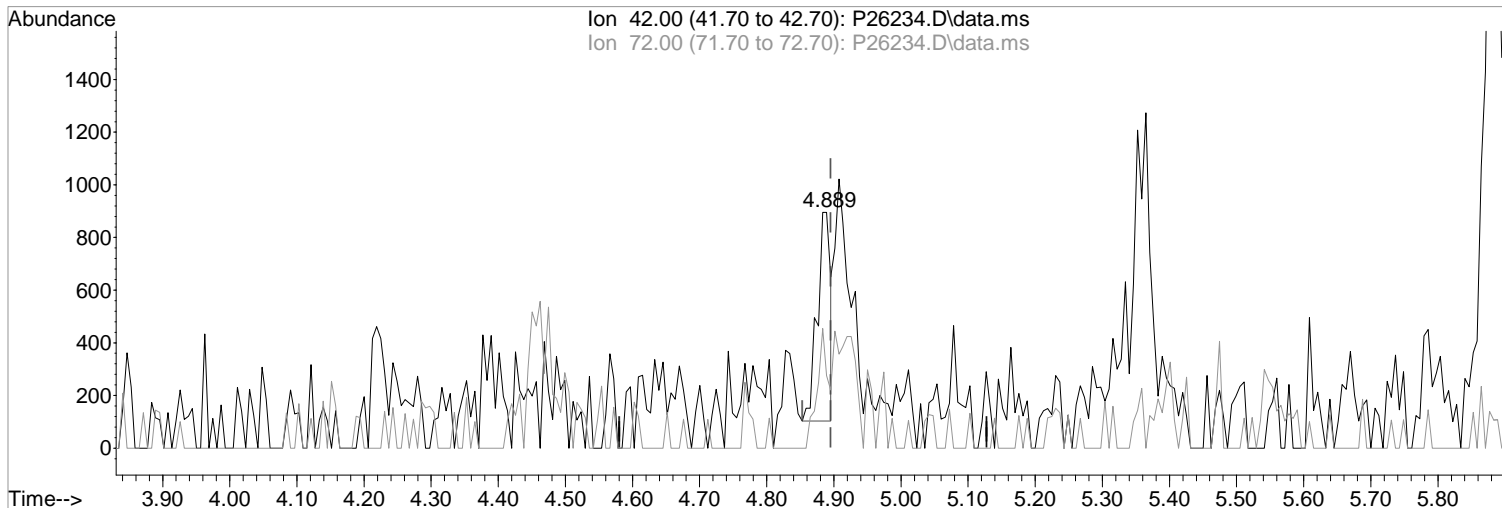
Split Peak

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.889min (-0.006) 0.85 ppb
response 1091

Manual Integration:
Before

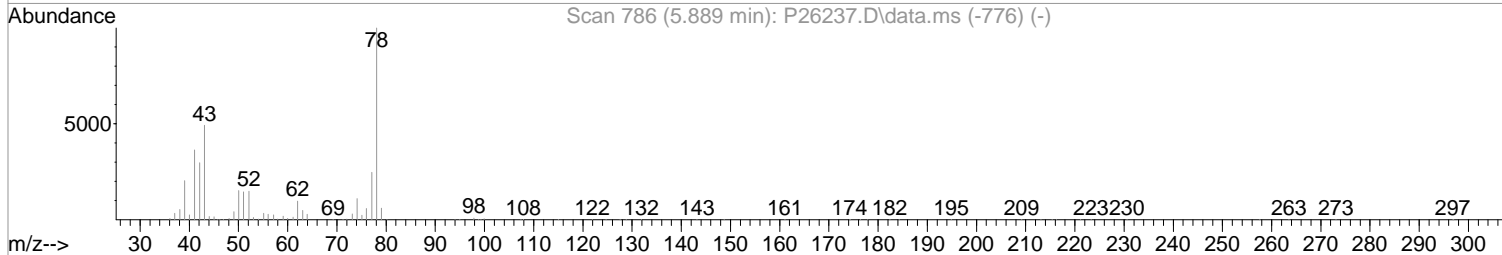
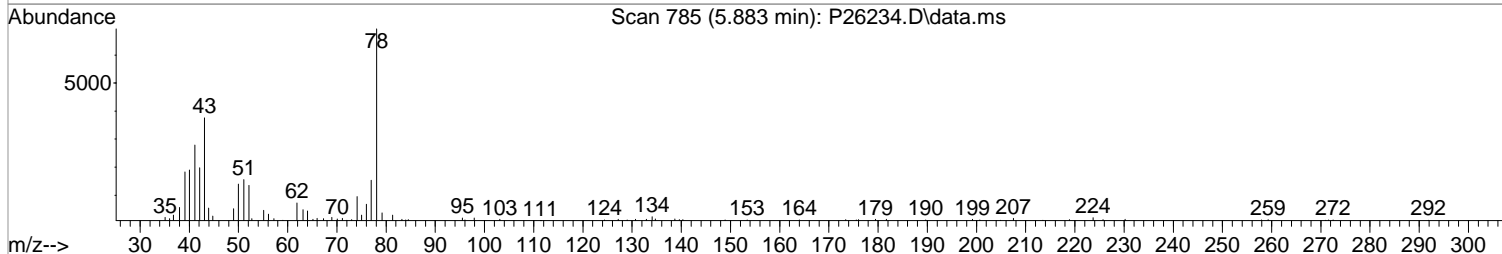
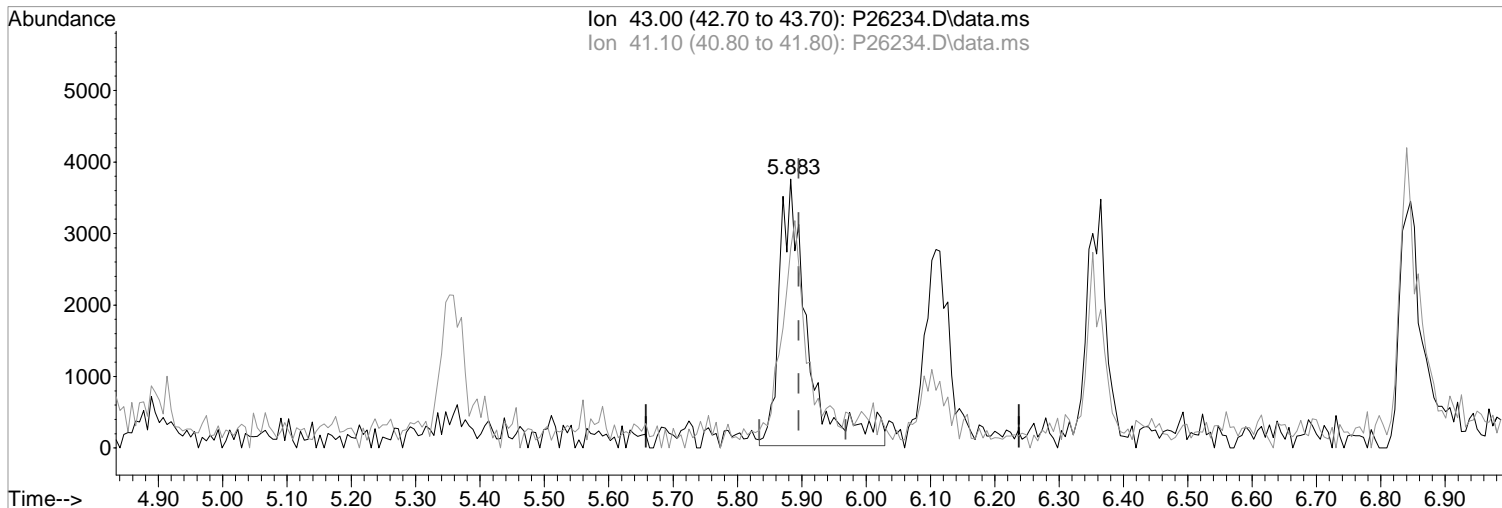
Ion	Exp%	Act%
42.00	100	100
72.00	43.90	30.80
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.883min (-0.012) 42.67 ppb m
response 11462

Manual Integration:

After

Poor integration.

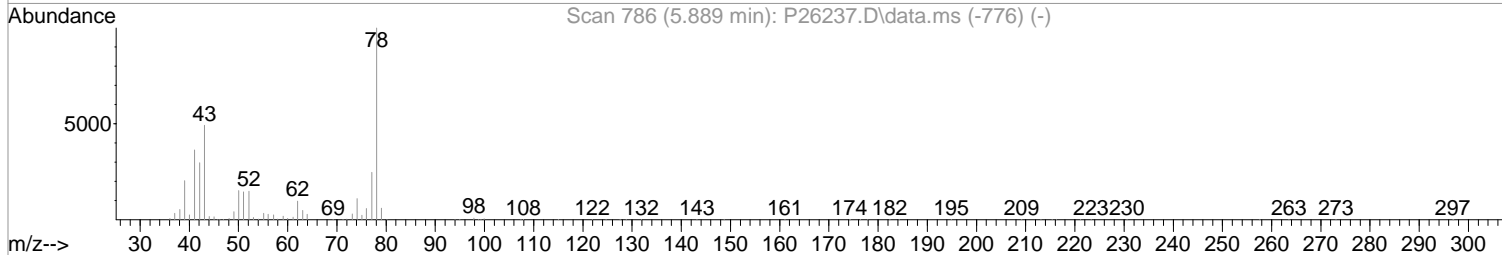
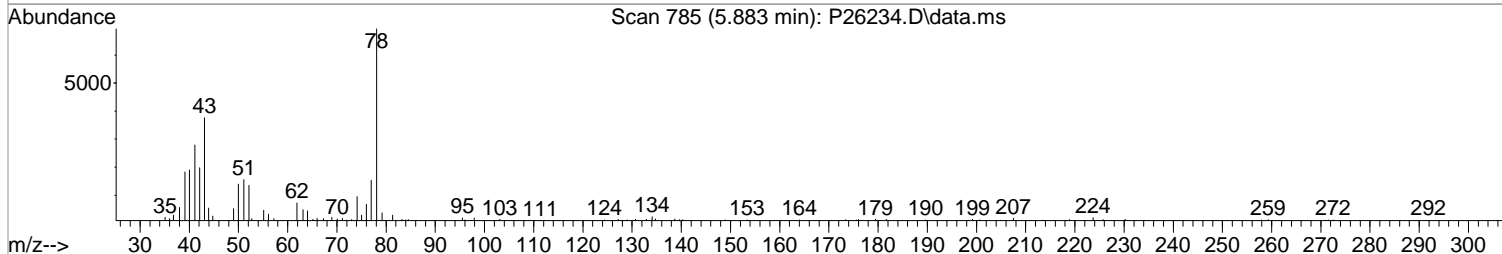
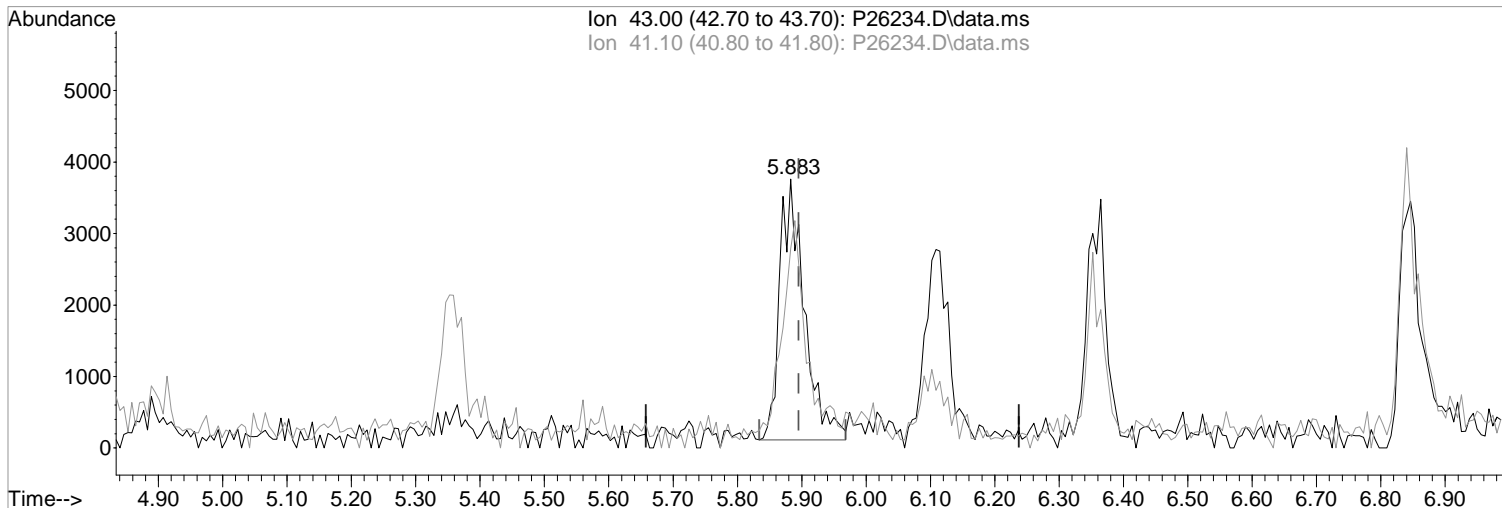
05/01/19

Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(51) Iso-Butyl Alcohol
5.883min (-0.012) 36.11 ppb
response 9699

Manual Integration:
Before

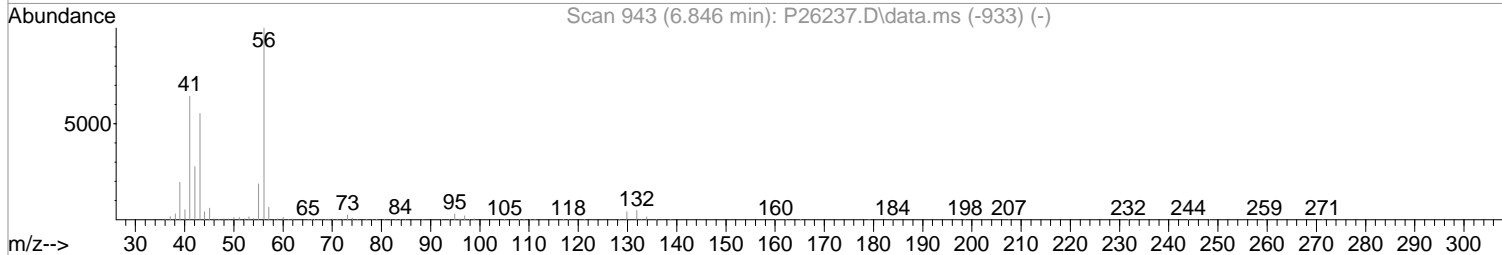
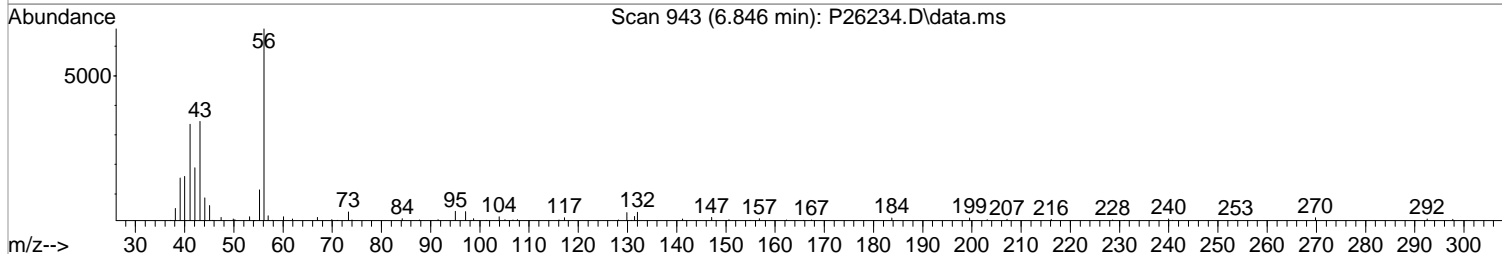
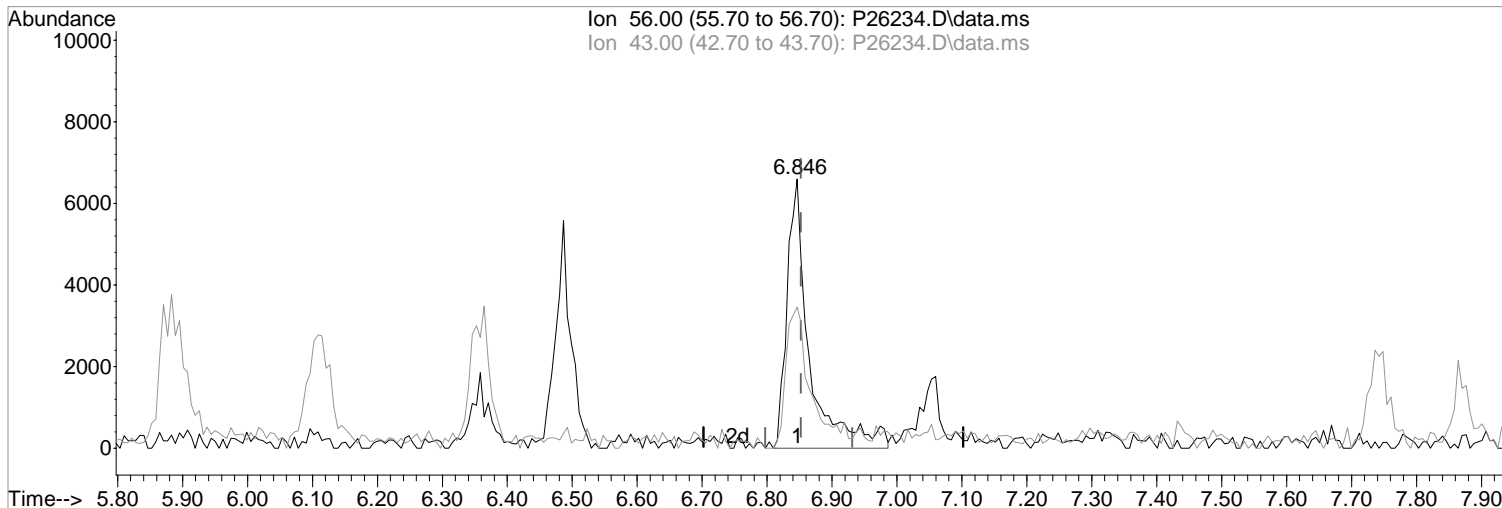
Ion	Exp%	Act%
43.00	100	100
41.10	74.30	74.13
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



TIC: P26234.D\data.ms

(53) 1-Butanol

6.846min (-0.006) 86.11 ppb m

response 15775

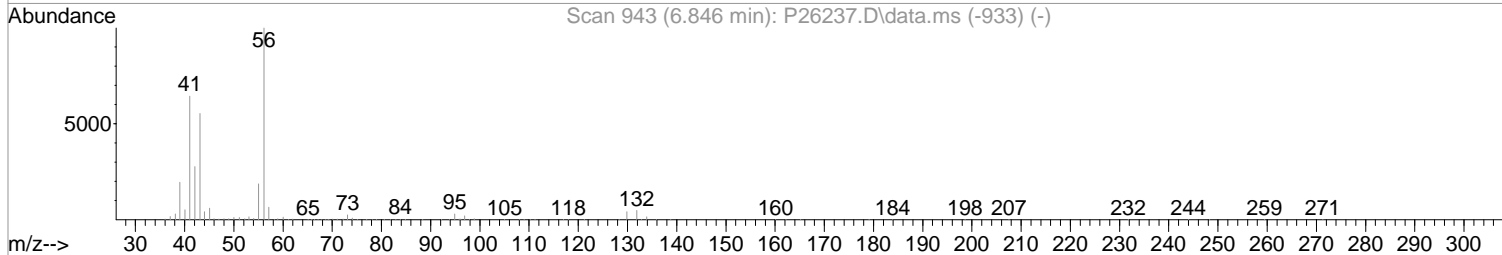
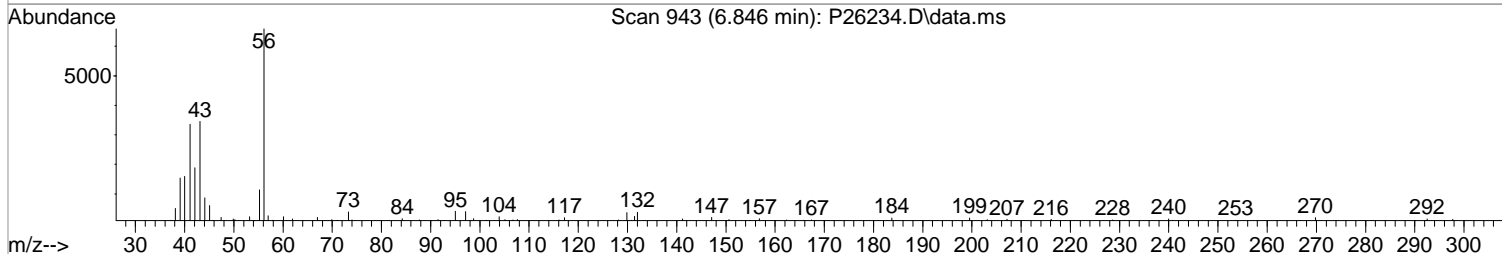
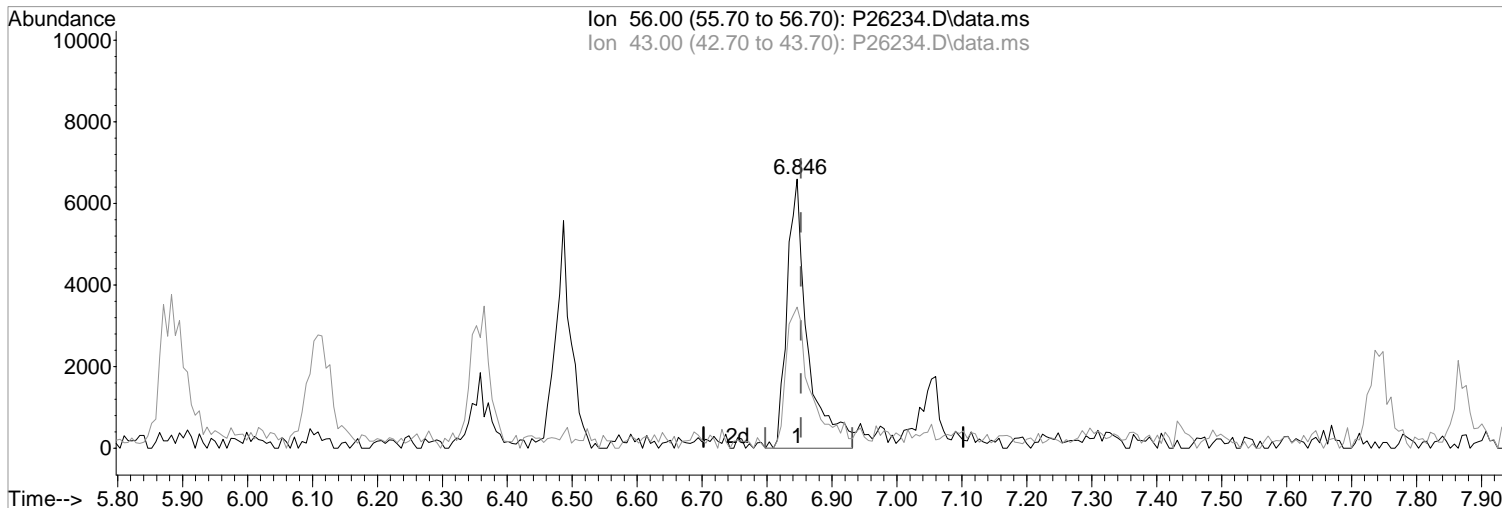
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	58.70
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
 After
 Poor integration.
 05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(53) 1-Butanol
6.846min (-0.006) 79.69 ppb
response 14599

Manual Integration:
Before

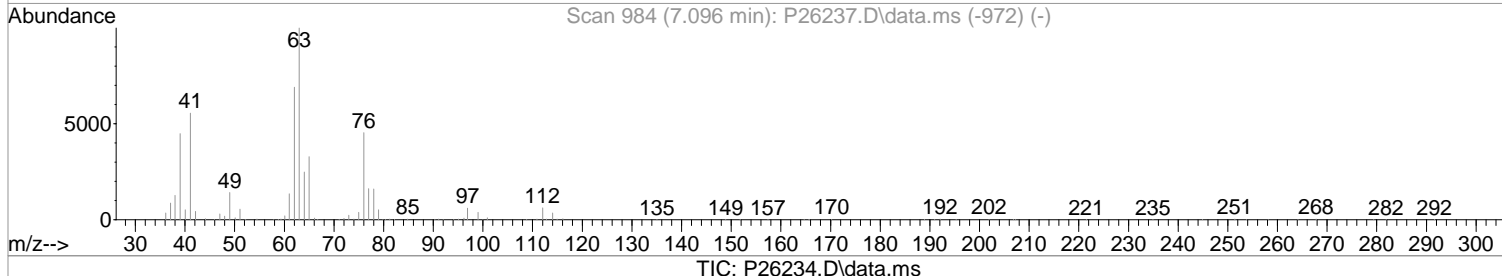
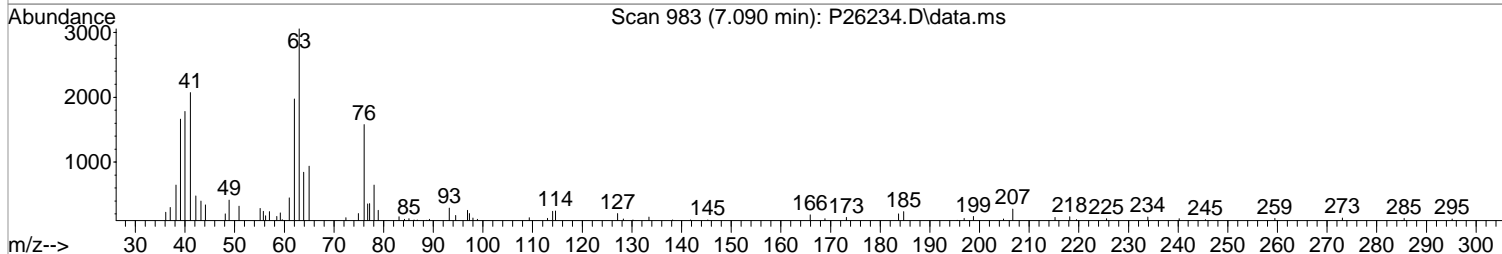
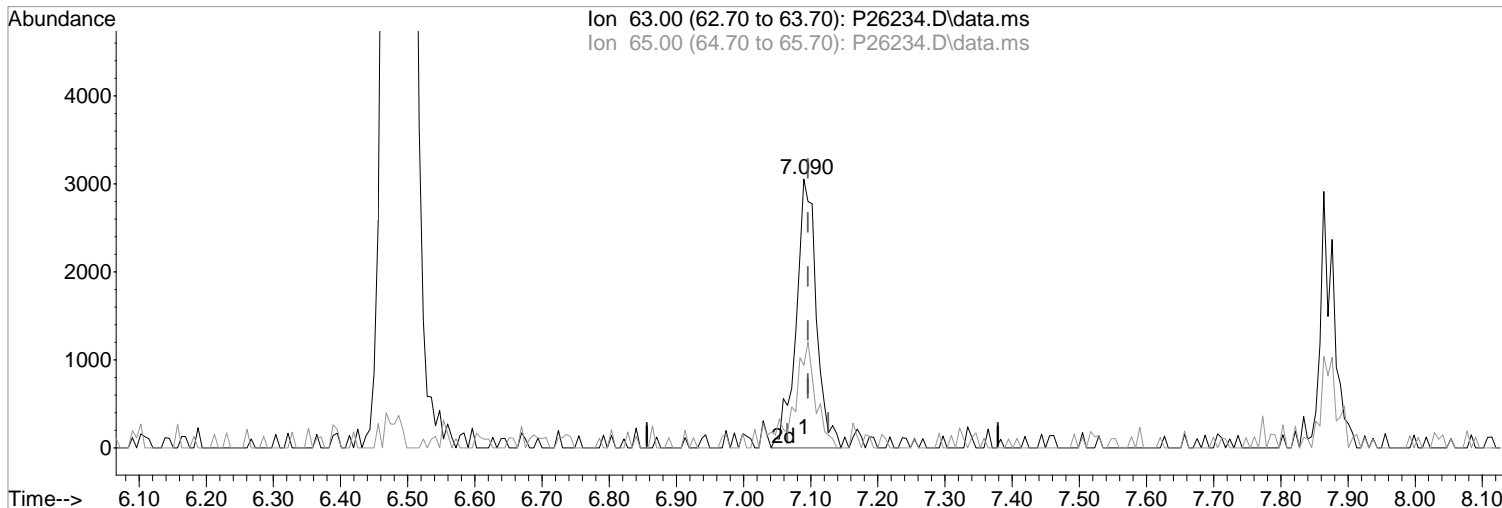
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	63.43
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.090min (-0.006) 2.13 ppb m
response 6391

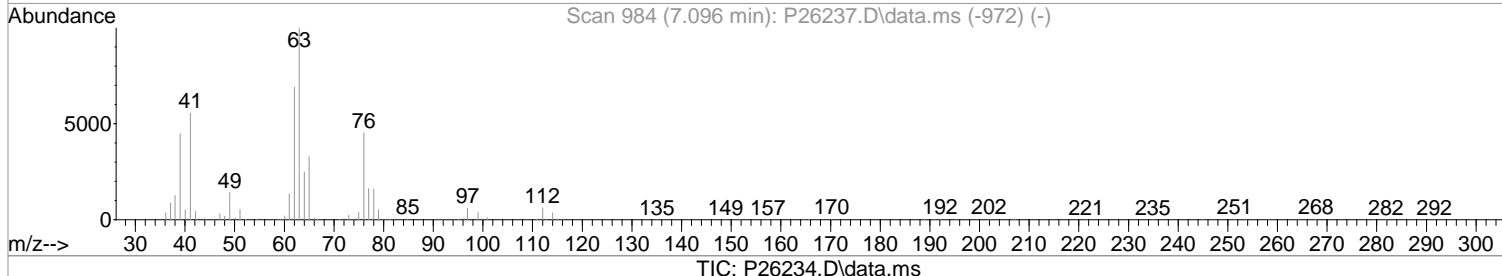
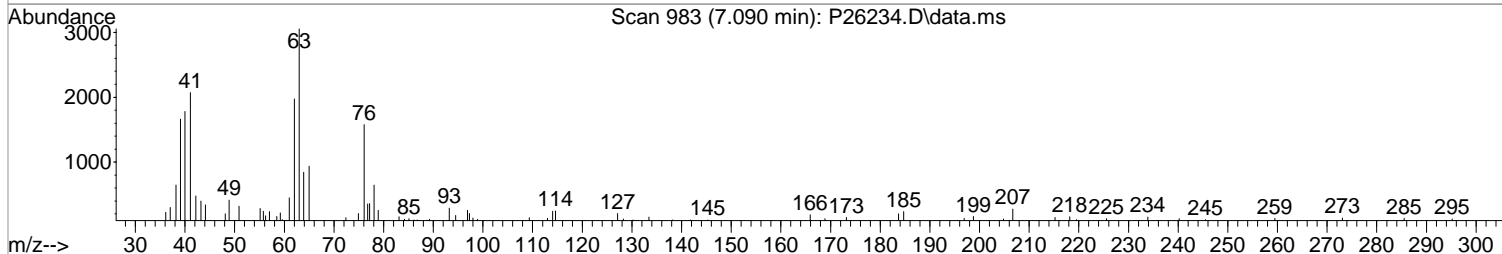
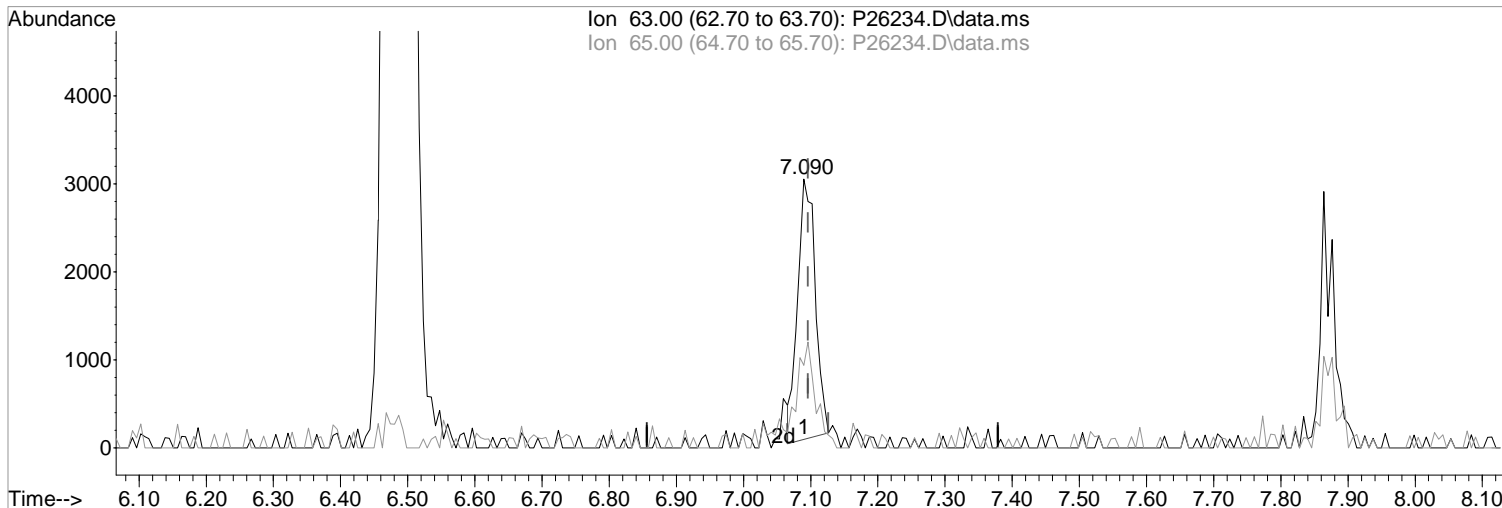
Manual Integration:
After
Poor integration.
05/01/19

Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(56) 1,2-Dicloropropane (P)
7.090min (-0.006) 1.79 ppb
response 5375

Manual Integration:
Before

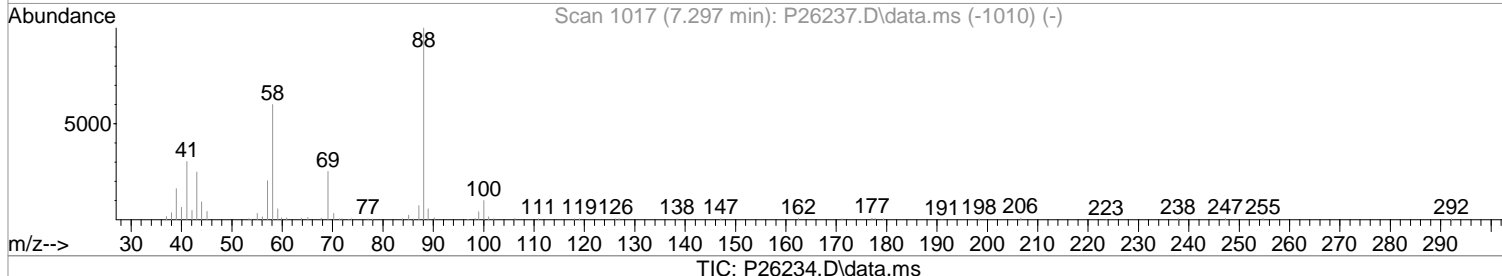
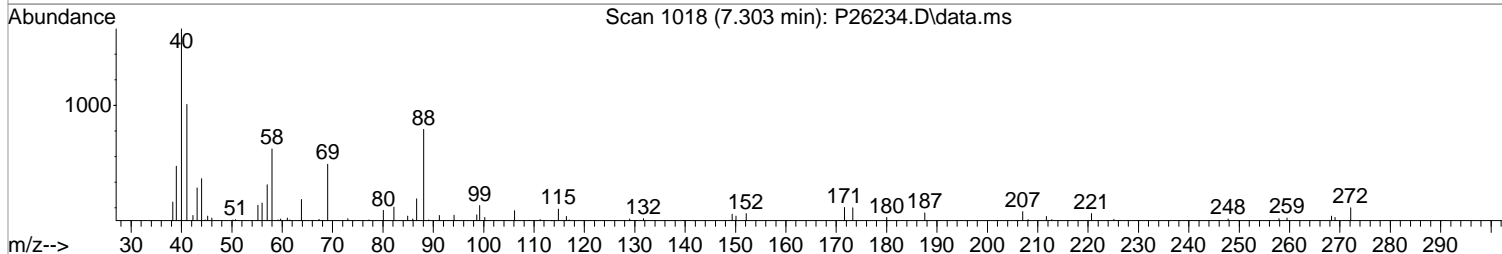
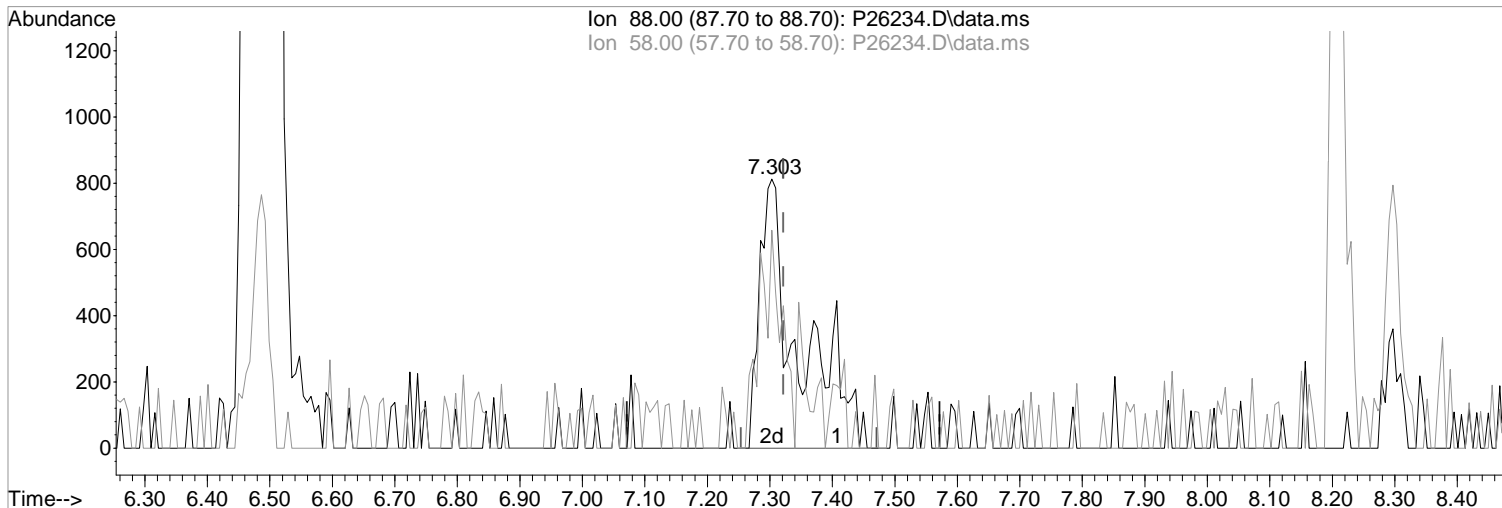
Ion	Exp%	Act%
63.00	100	100
65.00	32.80	30.73
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.303min (-0.018) 43.55 ppb m
response 3551

Manual Integration:
After
Poor integration.

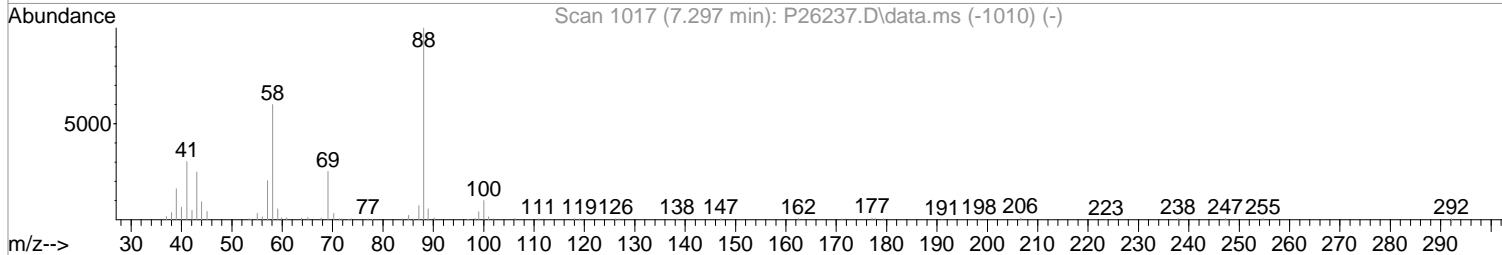
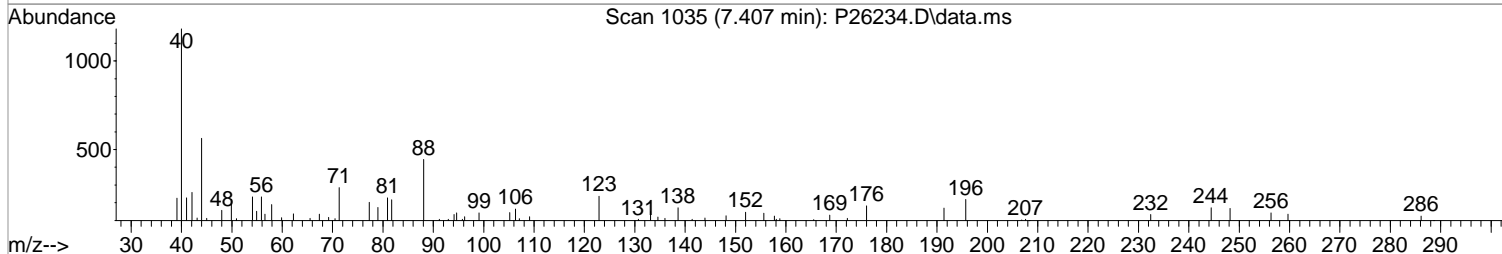
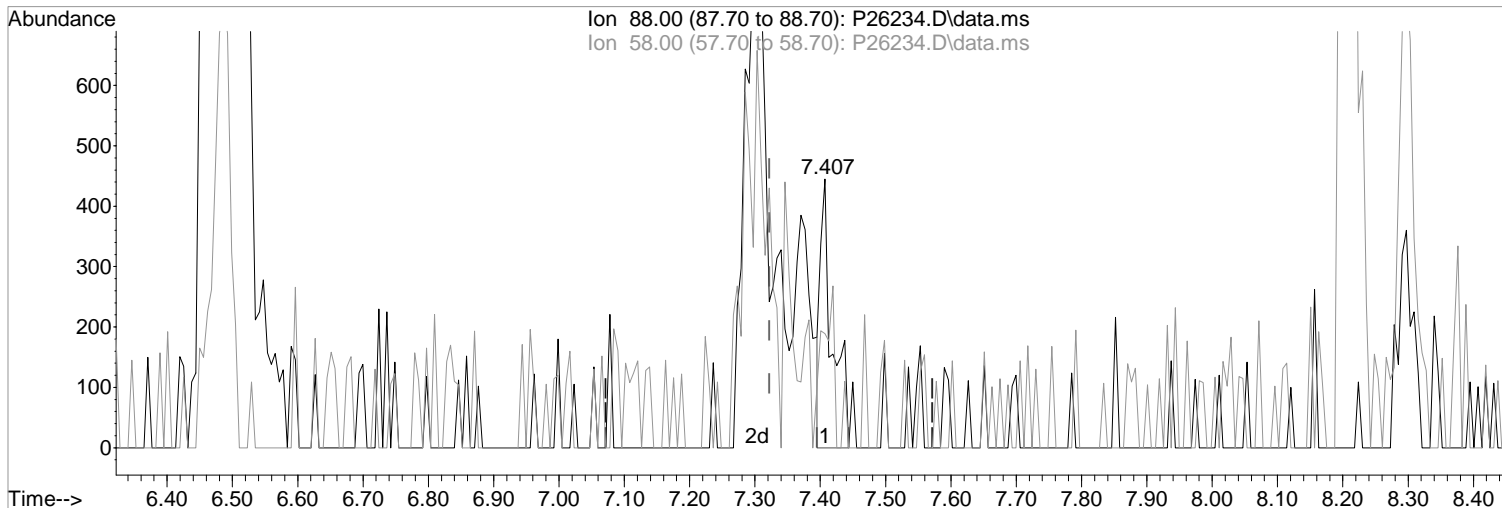
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	81.03#
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26234.D
Acq On : 1 May 2019 1:30 pm
Operator : K.Ruest
Sample : 2.0ppb
Misc : 8260/624 ICAL
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26234.D\data.ms

(58) 1,4-Dioxane
7.407min (+0.085) 6.97 ppb
response 568

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	42.47
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.401	168	339824	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.486	114	482339	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	433891	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	238503	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.261	113	30677	11.06	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	22.12%	#		
48) surr1,1,2-dichloroetha...	5.791	65	37344	12.34	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	24.68%	#		
65) SURR3,Toluene-d8	8.297	98	133142	11.56	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	23.12%	#		
70) SURR2,BFB	10.864	95	49769	11.06	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	22.12%	#		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	5978	1.87	ppb		86
3) Chloromethane	1.335	50	5821	2.00	ppb		83
4) Vinyl Chloride	1.408	62	6717	1.88	ppb		89
5) Bromomethane	1.640	94	8462	2.37	ppb		95
6) Chloroethane	1.719	64	5939	2.02	ppb		98
7) Freon 21	1.859	67	9482	1.84	ppb		79
8) Trichlorofluoromethane	1.908	101	9210	2.07	ppb		95
9) Diethyl Ether	2.146	59	5491	2.13	ppb		88
10) Freon 123a	2.146	67	7237	2.29	ppb		88
11) Freon 123	2.201	83	8249	2.24	ppb		96
12) Acrolein	2.249	56	6449	10.55	ppb		99
13) 1,1-Dicethene	2.335	96	6298	2.23	ppb	#	76
14) Freon 113	2.341	101	4764	1.90	ppb		97
15) Acetone	2.377	43	4471	3.28	ppb		87
16) 2-Propanol	2.512	45	14531m	41.25	ppb		
17) Iodomethane	2.463	142	2781	0.88	ppb		98
18) Carbon Disulfide	2.524	76	14300	2.10	ppb		93
19) Acetonitrile	2.621	40	2154m	13.57	ppb		
20) Allyl Chloride	2.664	76	3205	2.17	ppb	#	73
21) Methyl Acetate	2.688	43	5252	1.79	ppb		92
22) Methylene Chloride	2.780	84	7811	2.47	ppb	#	79
23) TBA	2.908	59	23804	36.68	ppb		98
24) Acrylonitrile	3.030	53	14814	9.99	ppb		93
25) Methyl-t-Butyl Ether	3.079	73	22635	2.21	ppb		98
26) trans-1,2-Dichloroethene	3.072	96	6044	1.95	ppb	#	88
28) 1,1-Dicethane	3.572	63	11386	2.25	ppb		99
29) Vinyl Acetate	3.658	86	1155m	1.83	ppb		
30) DIPE	3.694	45	16398	2.07	ppb		89
31) 2-Chloro-1,3-Butadiene	3.688	53	8566	2.25	ppb		90
32) ETBE	4.213	59	18176	2.08	ppb		90
33) 2,2-Dichloropropane	4.395	77	9447	2.04	ppb		85
34) cis-1,2-Dichloroethene	4.408	96	8217	2.24	ppb		89
35) 2-Butanone	4.450	43	4296m	2.29	ppb		
36) Propionitrile	4.529	54	6418	9.57	ppb		90
37) Bromochloromethane	4.798	130	4906m	2.00	ppb		
38) Methacrylonitrile	4.810	67	3761	2.05	ppb		95
39) Tetrahydrofuran	4.907	42	2588m	2.03	ppb		
40) Chloroform	4.981	83	12178	2.27	ppb		81
41) 1,1,1-Trichloroethane	5.273	97	10946	2.18	ppb		85

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.108	73	19476	2.11	ppb	93
44) Cyclohexane	5.353	41	4739	1.82	ppb	99
46) Carbontetrachloride	5.542	117	8177	1.95	ppb	83
47) 1,1-Dichloropropene	5.566	75	7993	2.06	ppb	90
49) Benzene	5.871	78	25525	2.04	ppb	92
50) 1,2-Dichloroethane	5.901	62	9512	2.15	ppb	84
51) Iso-Butyl Alcohol	5.883	43	11462m	42.67	ppb	
52) n-Heptane	6.365	43	7629	2.30	ppb	82
53) 1-Butanol	6.846	56	15775m	86.11	ppb	
54) Trichloroethene	6.816	130	7805	2.01	ppb	94
55) Methylcyclohexane	7.053	55	8181	2.26	ppb	87
56) 1,2-Diclpropane	7.090	63	6391m	2.13	ppb	
57) Dibromomethane	7.230	93	4013	1.90	ppb	# 68
58) 1,4-Dioxane	7.303	88	3551m	43.55	ppb	
59) Methyl Methacrylate	7.322	69	5855	1.98	ppb	97
60) Bromodichloromethane	7.462	83	8162	1.96	ppb	83
61) 2-Nitropropane	7.736	41	3375	3.13	ppb	97
62) 2-Chloroethylvinyl Ether	7.864	63	3993	1.88	ppb	91
63) cis-1,3-Dichloropropene	8.004	75	11610	2.16	ppb	97
64) 4-Methyl-2-pentanone	8.212	43	7499	1.98	ppb	95
66) Toluene	8.376	91	30907	2.19	ppb	87
67) trans-1,3-Dichloropropene	8.645	75	8688	1.81	ppb	88
68) Ethyl Methacrylate	8.785	69	11033	2.14	ppb	96
69) 1,1,2-Trichloroethane	8.827	97	6835	2.02	ppb	89
72) Tetrachloroethene	8.968	164	6207	1.99	ppb	85
73) 2-Hexanone	9.120	43	5597	1.92	ppb	94
74) 1,3-Dichloropropane	8.998	76	10355	1.97	ppb	94
75) Dibromochloromethane	9.224	129	7048	1.85	ppb	# 80
76) N-Butyl Acetate	9.279	43	10822	1.95	ppb	95
77) 1,2-Dibromoethane	9.321	107	6919	1.98	ppb	97
78) Chlorobenzene	9.815	112	19880	2.08	ppb	93
79) 3-CBTF	9.833	180	9591	1.75	ppb	# 81
80) 4-CBTF	9.888	180	9710	1.95	ppb	88
81) 1,1,1,2-Tetrachloroethane	9.900	131	7470	2.02	ppb	93
82) Ethylbenzene	9.937	106	11164	2.16	ppb	97
83) (m+p)Xylene	10.047	106	26667	4.18	ppb	92
84) o-Xylene	10.406	106	12213	1.89	ppb	# 76
85) Styrene	10.419	104	19390	1.92	ppb	83
87) Bromoform	10.565	173	5194	1.88	ppb	94
88) 2-CBTF	10.650	180	10283	1.96	ppb	95
89) Isopropylbenzene	10.742	105	32740	2.18	ppb	98
90) Cyclohexanone	10.803	55	31714	42.37	ppb	99
91) trans-1,4-Dichloro-2-B...	11.053	53	2452	1.98	ppb	87
92) 1,1,2,2-Tetrachloroethane	10.998	83	10104	2.23	ppb	95
93) Bromobenzene	10.986	156	9945	2.20	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	3427	2.01	ppb	96
95) n-Propylbenzene	11.095	91	35362	2.17	ppb	97
96) 2-Chlorotoluene	11.156	91	21842	2.16	ppb	94
97) 3-Chlorotoluene	11.211	91	20124	2.10	ppb	99
98) 4-Chlorotoluene	11.254	91	24636	2.13	ppb	93
99) 1,3,5-Trimethylbenzene	11.248	105	25369	2.01	ppb	97
100) tert-Butylbenzene	11.522	119	23990	2.08	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	25789	2.06	ppb	97
102) 3,4-DCBTF	11.620	214	8395	1.88	ppb	96
103) sec-Butylbenzene	11.705	105	35137	2.18	ppb	95
104) p-Isopropyltoluene	11.827	119	28713	2.05	ppb	96

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 3 Sample Multiplier: 1

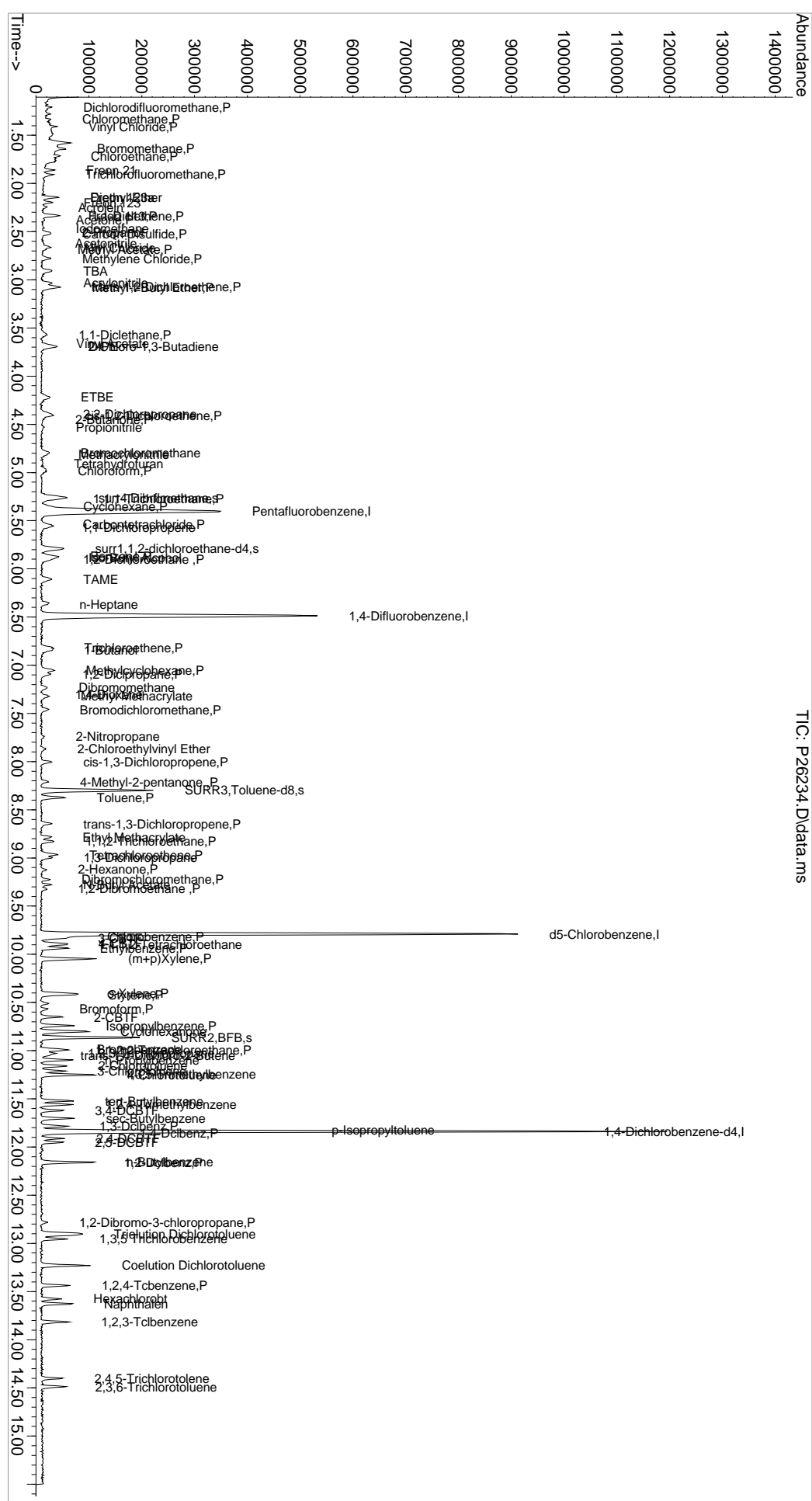
Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	16508	2.04	ppb	89
106) 1,4-Dclbenz	11.857	146	17568	2.13	ppb	97
107) 2,4-DCBTF	11.912	214	7385	1.83	ppb	97
108) 2,5-DCBTF	11.949	214	8578m	1.91	ppb	
109) n-Butylbenzene	12.156	91	24424	2.09	ppb	98
110) 1,2-Dclbenz	12.162	146	16378	2.04	ppb	94
111) 1,2-Dibromo-3-chloropr...	12.784	157	2863	1.78	ppb	88
112) Trielution Dichlorotol...	12.900	125	40999	6.07	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	12083	1.89	ppb	94
114) Coelution Dichlorotoluene	13.229	125	28801	3.82	ppb	93
115) 1,2,4-Tcbenzene	13.436	180	12295	1.83	ppb	97
116) Hexachlorobt	13.577	225	4986	1.72	ppb	91
117) Naphthalen	13.625	128	38227	1.97	ppb	92
118) 1,2,3-Tclbenzene	13.814	180	13181	1.85	ppb	97
119) 2,4,5-Trichlorotoluene	14.400	159	7819	1.82	ppb	94
120) 2,3,6-Trichlorotoluene	14.491	159	9346	1.85	ppb	94

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

1st 05/01/19

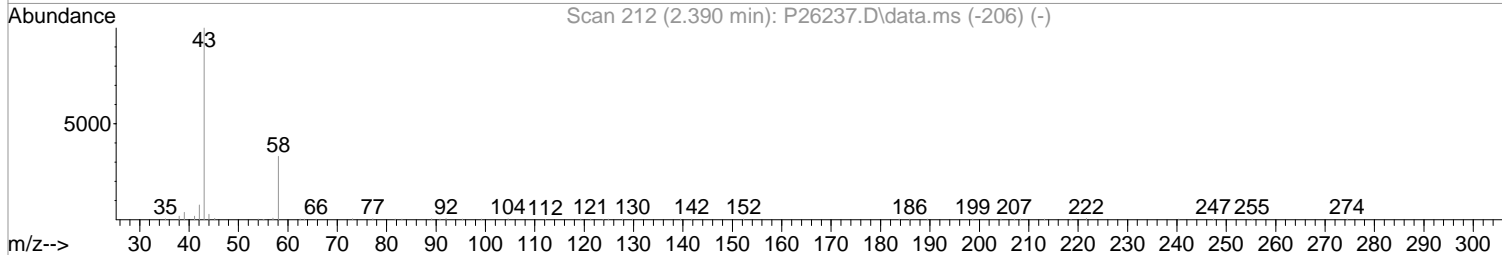
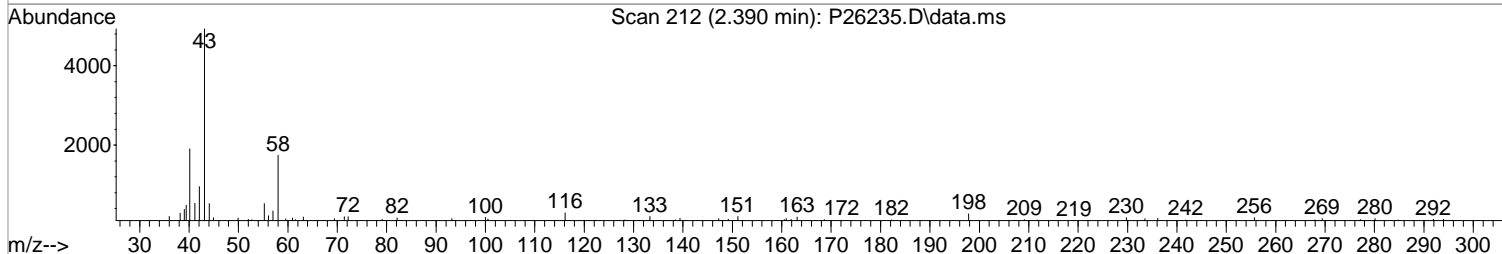
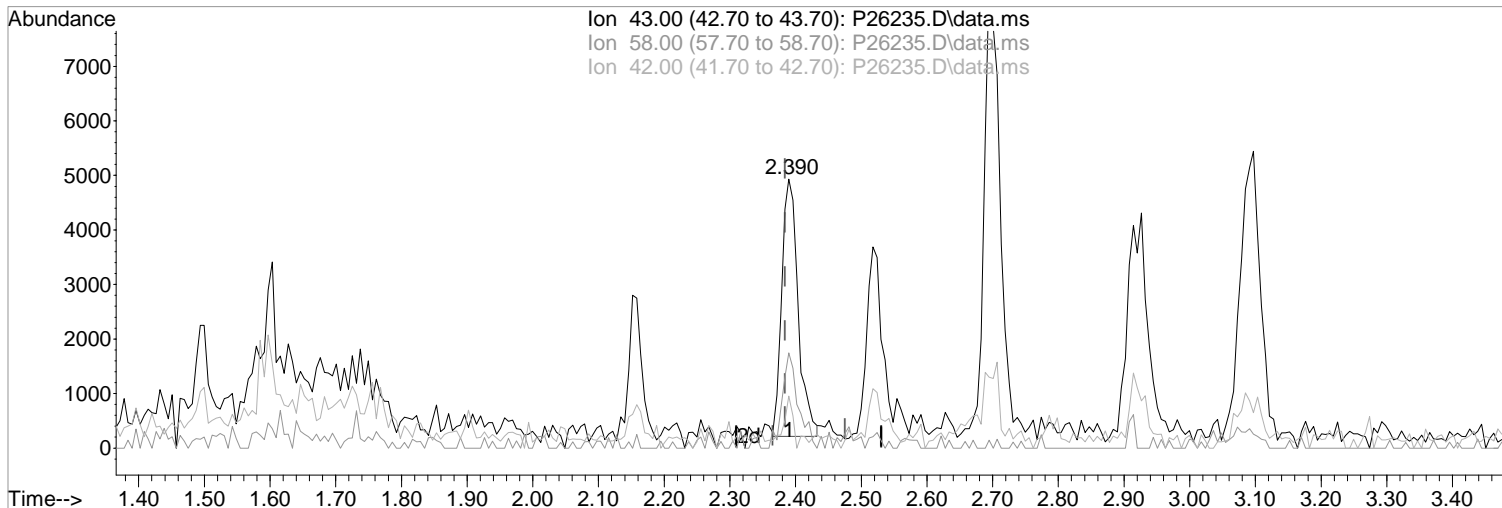
Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26234.D
 Acq On : 1 May 2019 1:30 pm
 Operator : K.Ruest
 Sample : 2.0ppb
 Disc : 8260/624 ICAL
 PALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA-12
 Quant Time: May 01 17:02:06 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)

2.390min (+0.006) 6.07 ppb m

response 8156

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

Manual Integration:

After

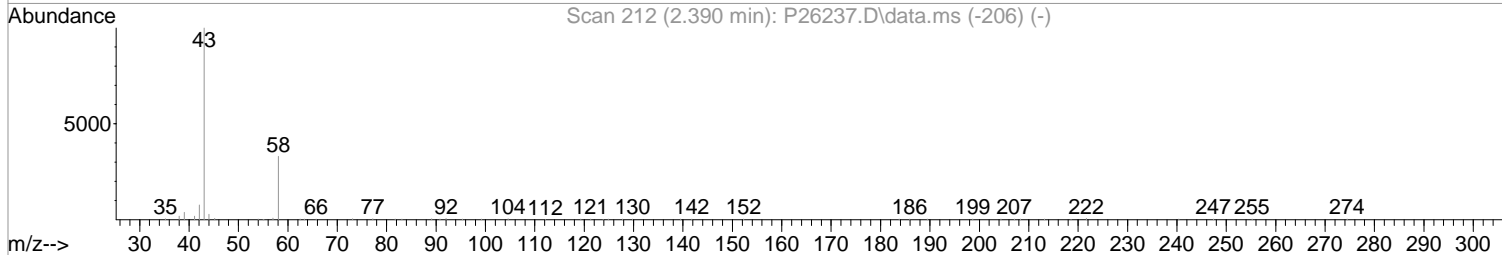
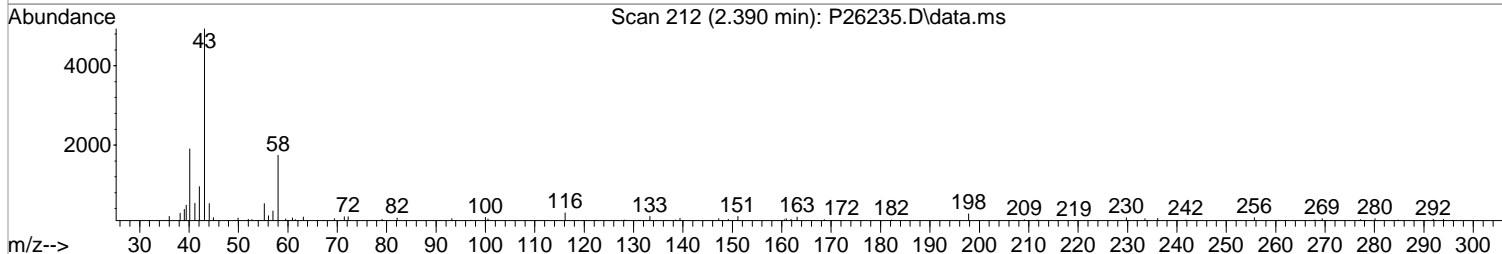
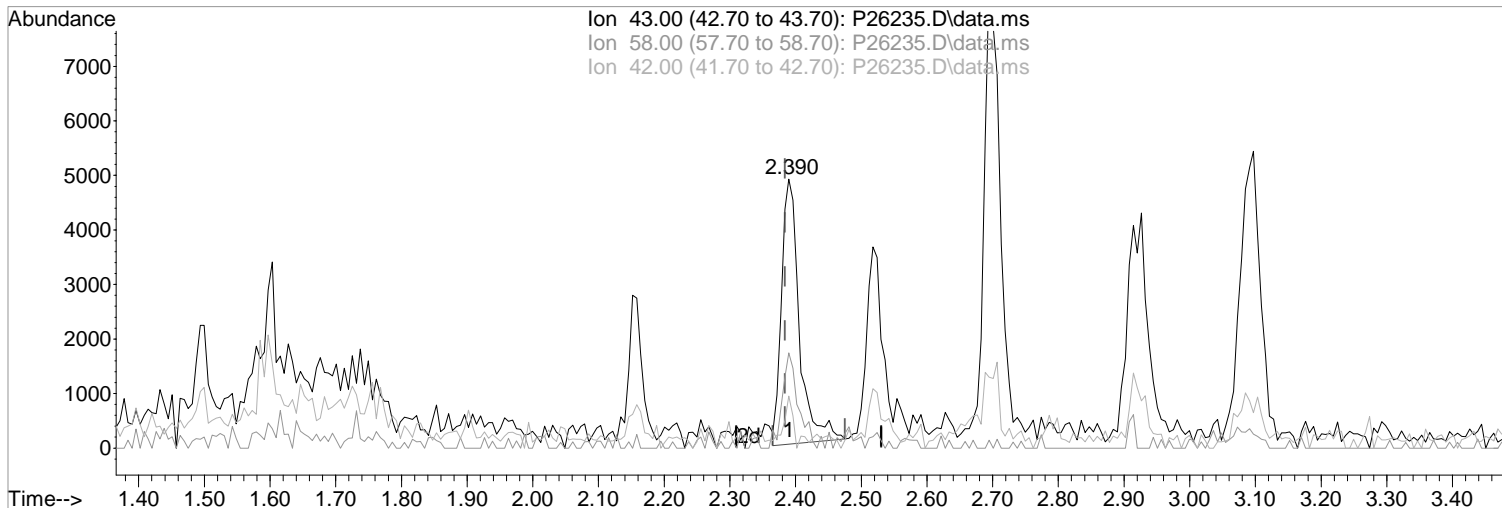
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 6.81 ppb
response 9138

Manual Integration:
Before

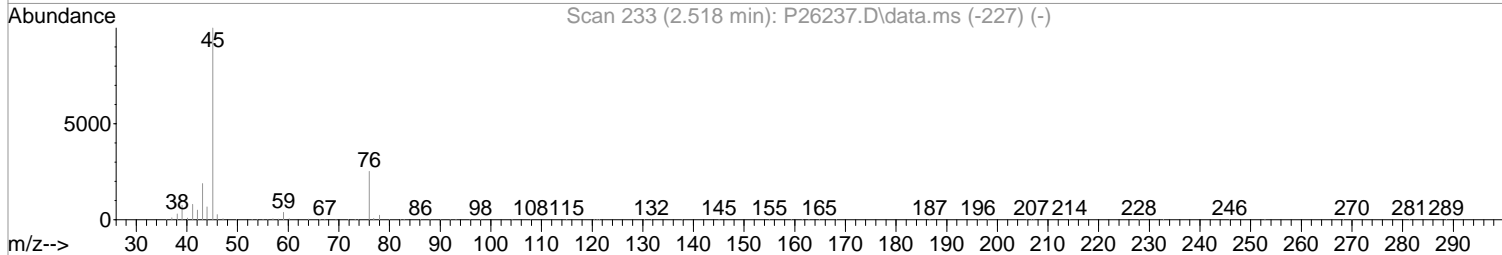
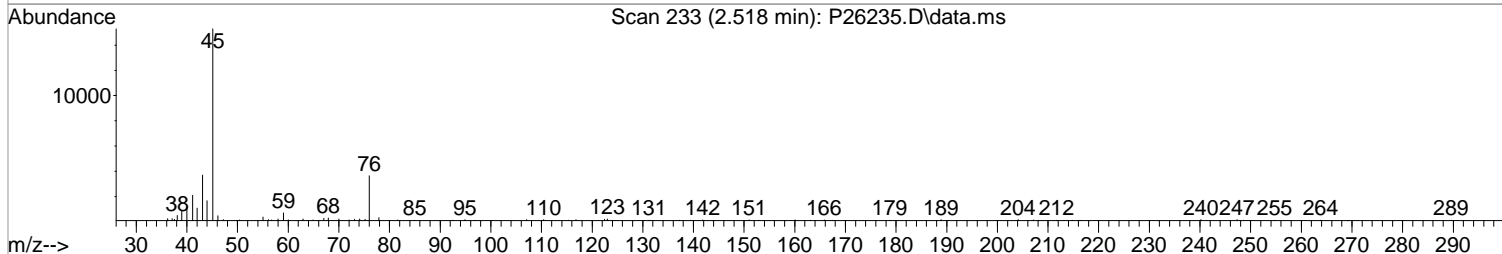
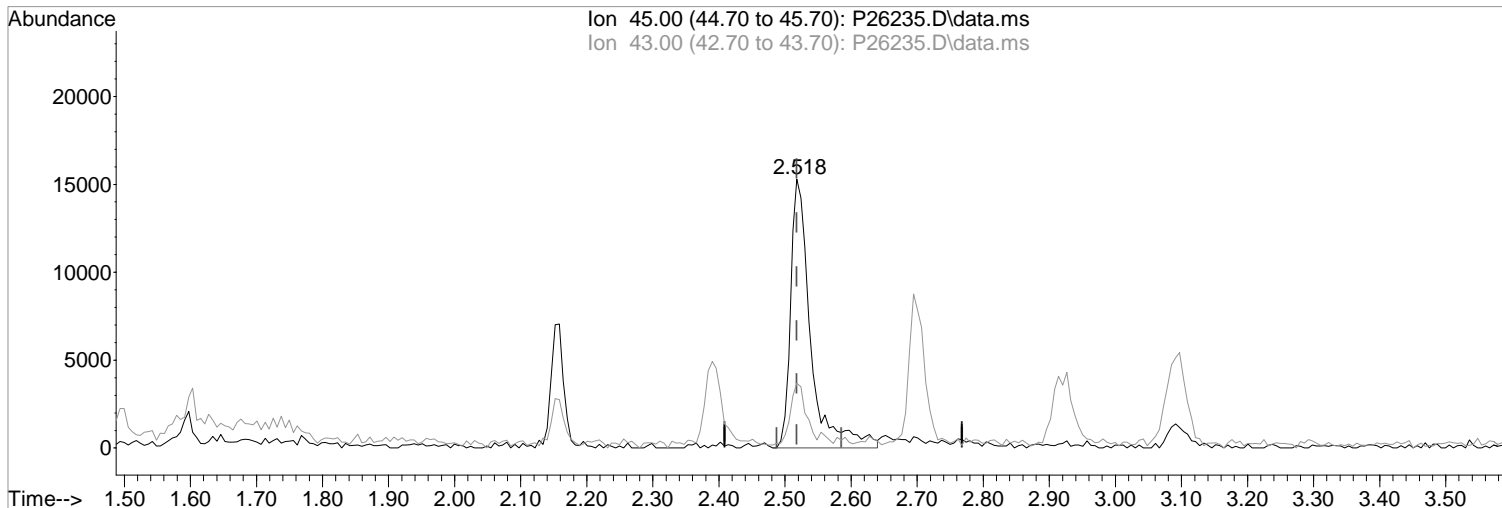
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	35.39
42.00	8.30	19.32
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (+0.000) 93.43 ppb m
response 32416

Manual Integration:

After

Poor integration.

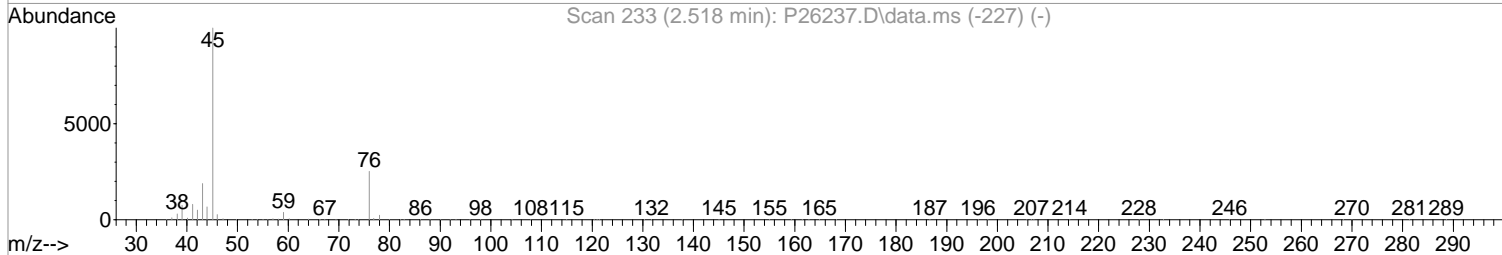
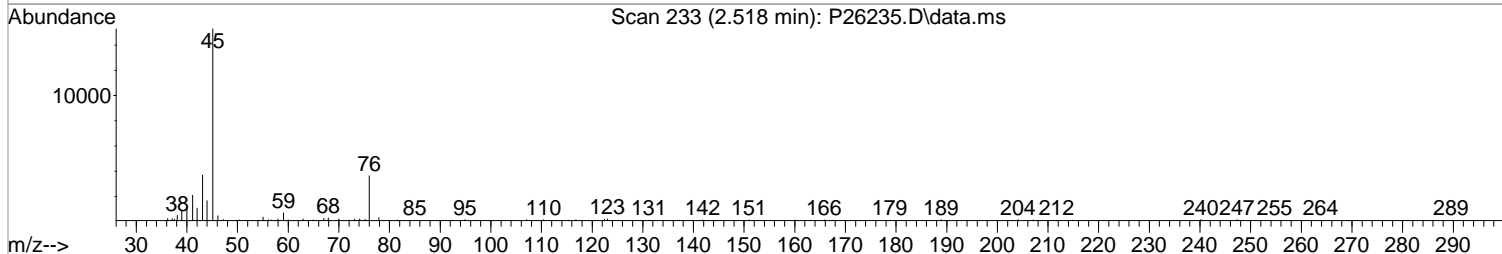
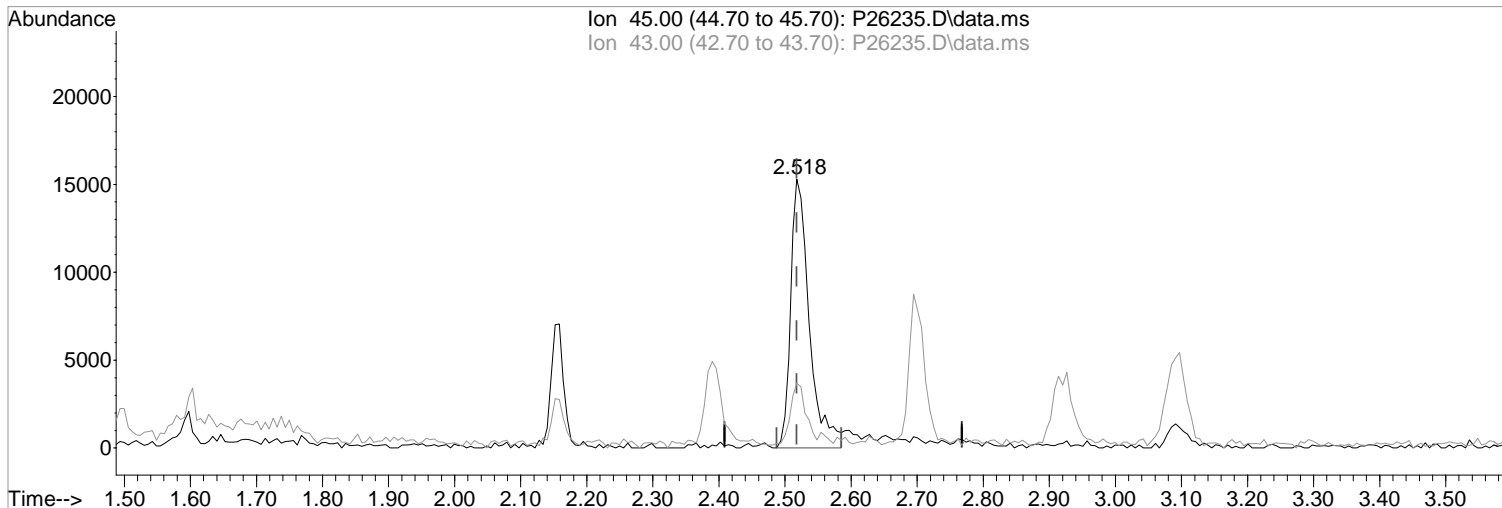
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(16) 2-Propanol
2.518min (+0.000) 86.72 ppb
response 30085

Manual Integration:
Before

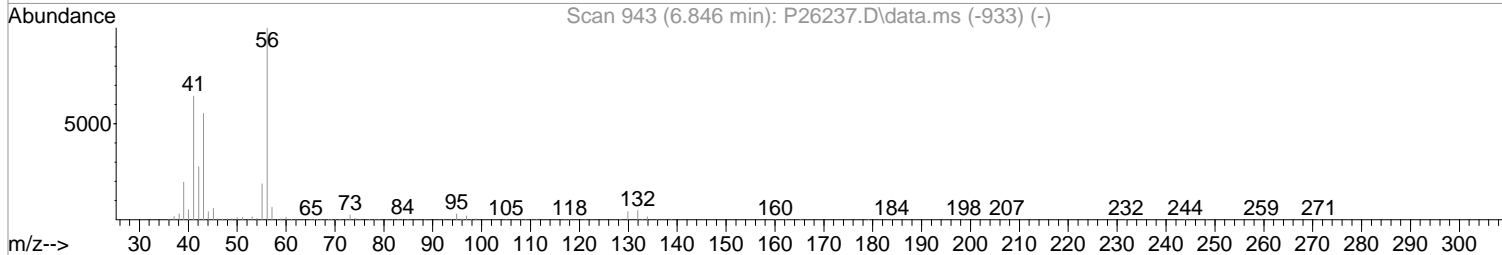
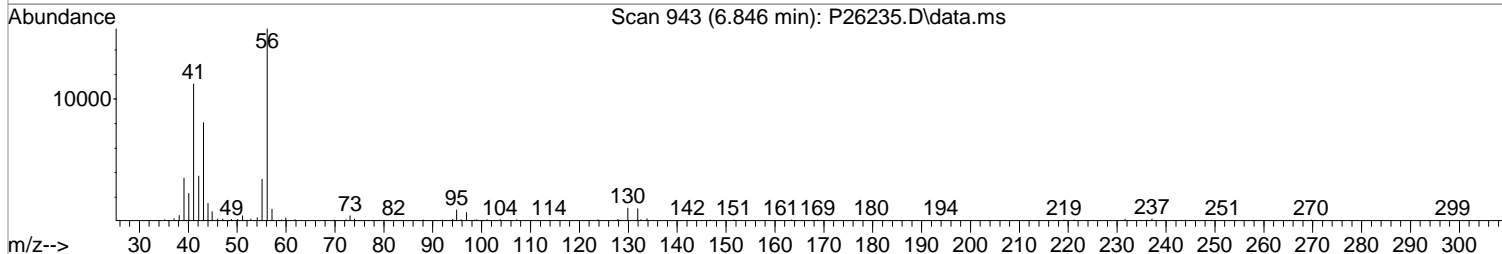
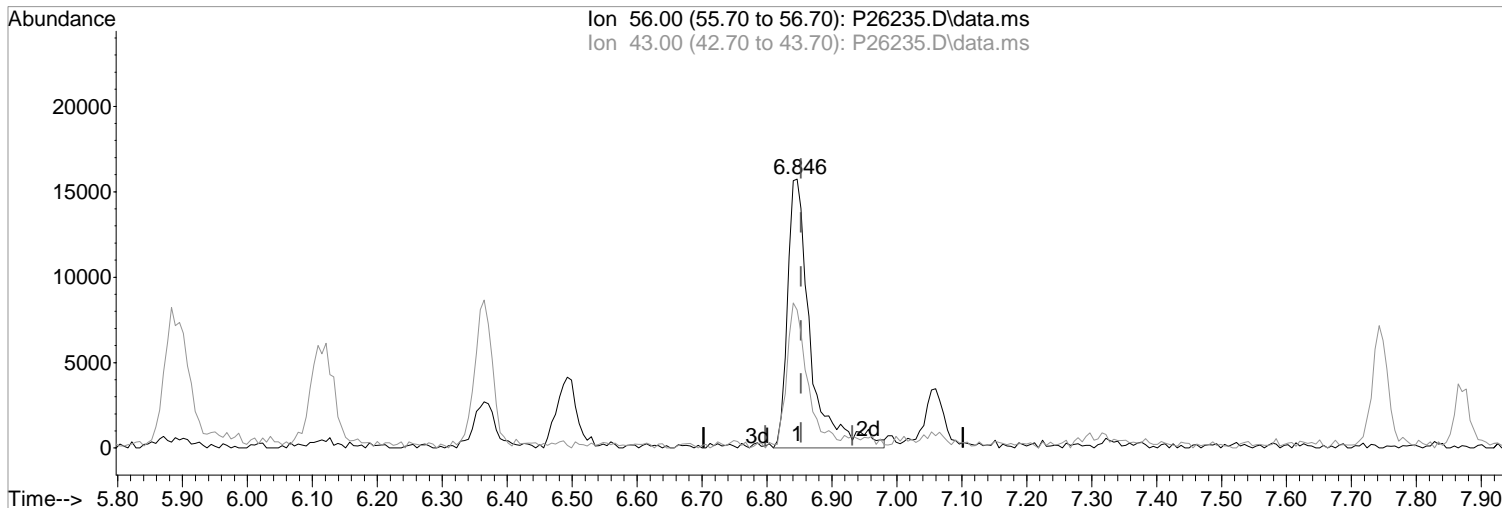
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	24.10
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(53) 1-Butanol
6.846min (-0.006) 211.94 ppb m
response 38909

Manual Integration:
After
Poor integration.

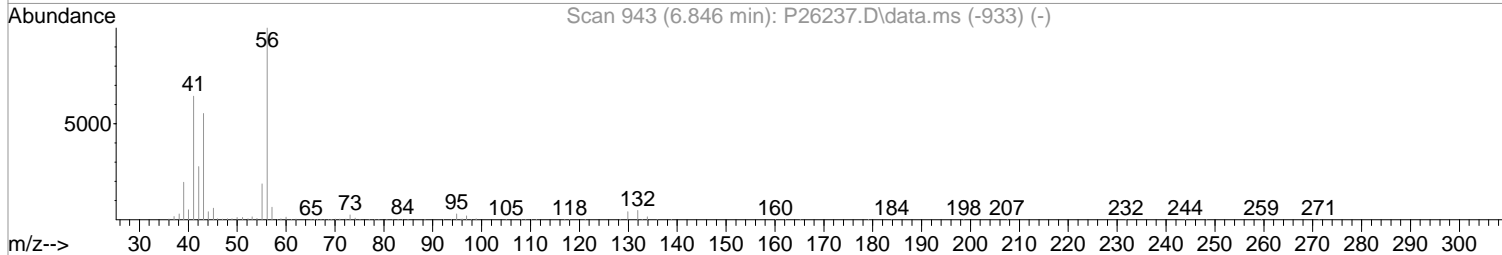
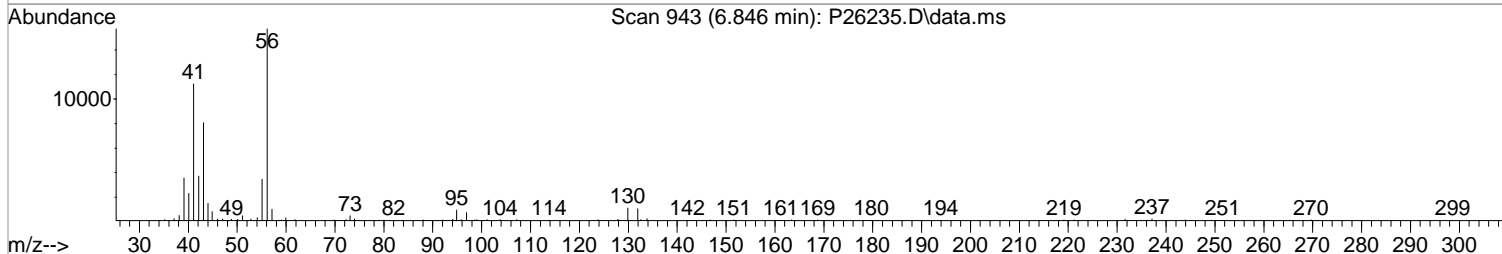
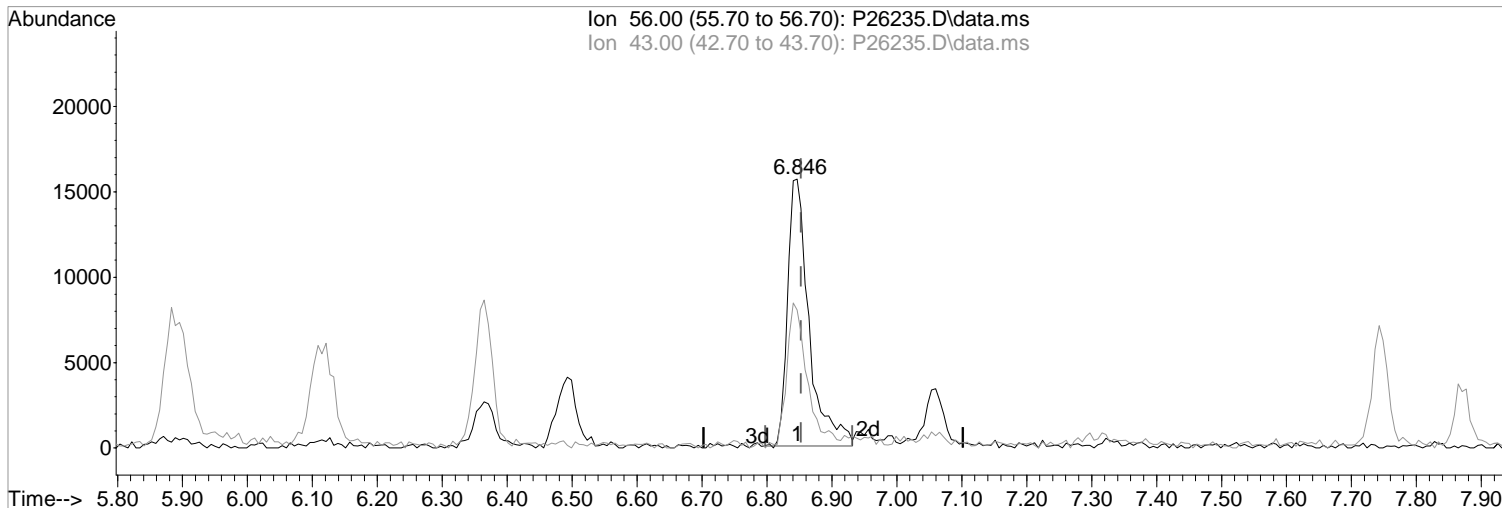
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	49.11
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(53) 1-Butanol
6.846min (-0.006) 196.01 ppb
response 35985

Manual Integration:
Before

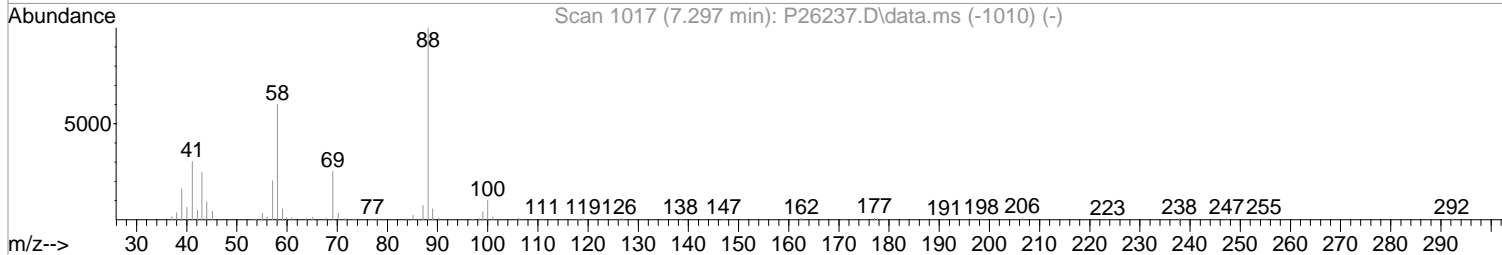
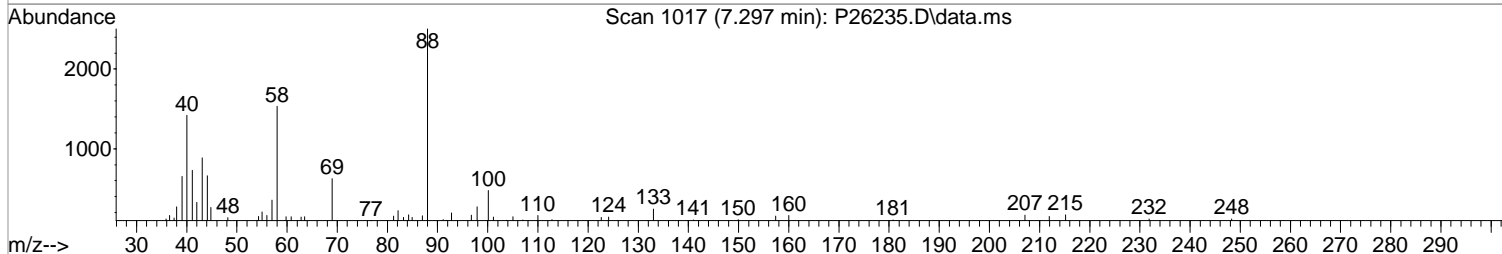
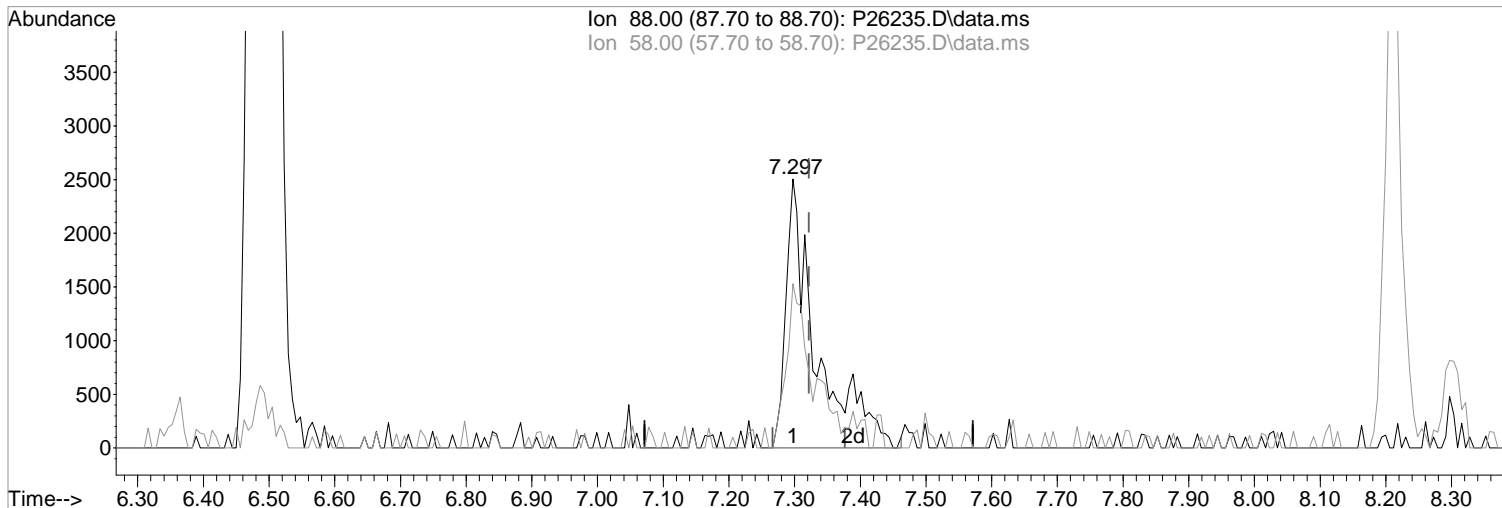
Ion	Exp%	Act%
56.00	100	100
43.00	52.80	53.11
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26235.D\data.ms

(58) 1,4-Dioxane
7.297min (-0.024) 98.60 ppb m
response 8056

Manual Integration:

After
Split Peak

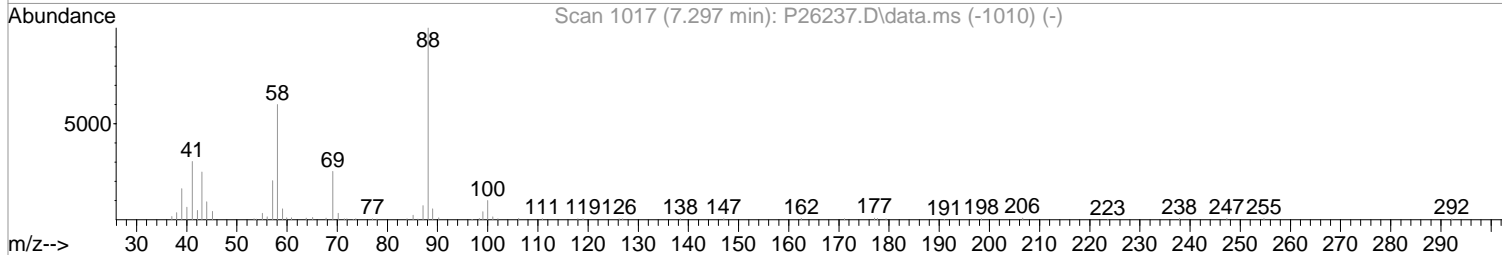
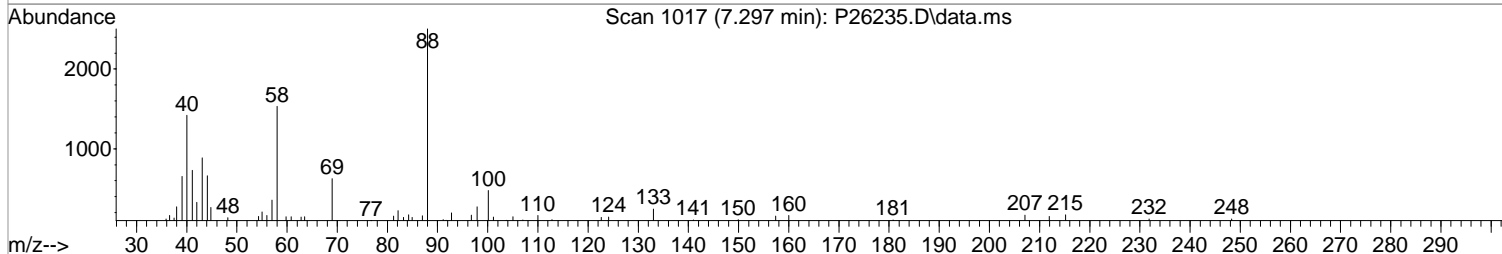
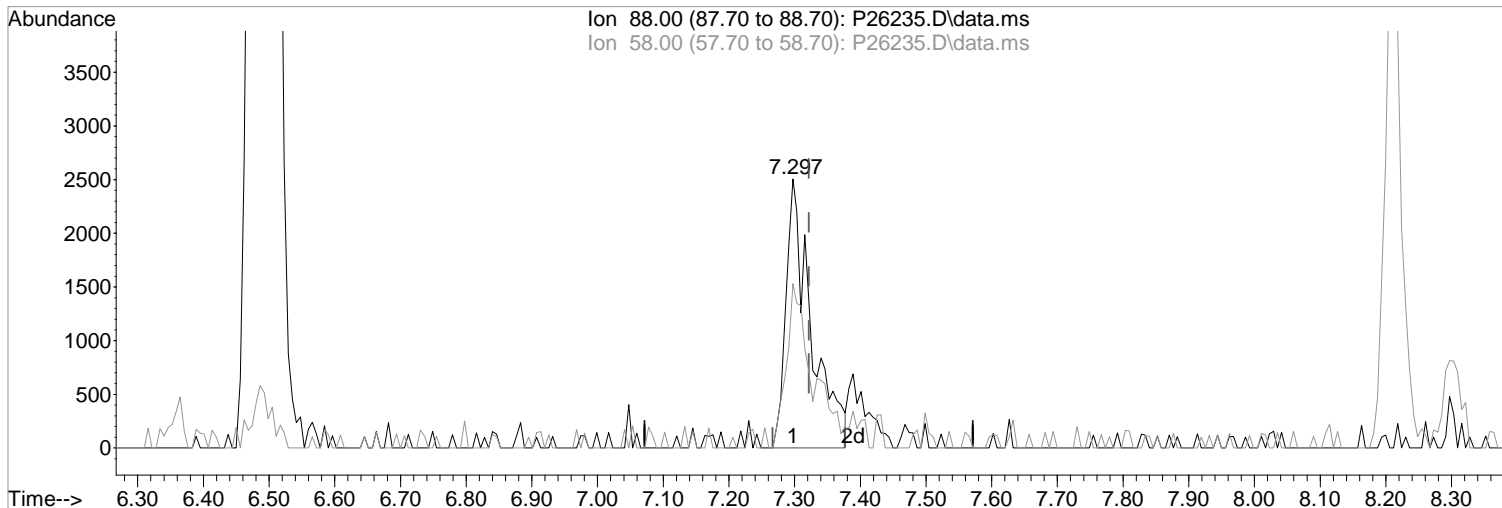
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26235.D
Acq On : 1 May 2019 1:52 pm
Operator : K.Ruest
Sample : 5.0ppb
Misc : 8260/624 ICAL
ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:46 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.297min (-0.024) 81.42 ppb
response 6652

Manual Integration:
Before

Ion	Exp%	Act%
88.00	100	100
58.00	60.00	61.12
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.414	168	334675	50.00	ppb	0.00
43) 1,4-Difluorobenzene	6.493	114	483344	50.00	ppb	0.00
71) d5-Chlorobenzene	9.791	117	422330	50.00	ppb	0.00
86) 1,4-Dichlorobenzene-d4	11.839	152	224759	50.00	ppb	0.00

System Monitoring Compounds						
45) surr4,Dibrflmethane	5.267	113	30718	11.05	ppb	0.00
Spiked Amount	50.000	Range	89 - 119	Recovery	=	22.10%#
48) surr1,1,2-dichloroetha...	5.804	65	32787	10.81	ppb	0.00
Spiked Amount	50.000	Range	73 - 125	Recovery	=	21.62%#
65) SURR3,Toluene-d8	8.303	98	131436	11.39	ppb	0.00
Spiked Amount	50.000	Range	87 - 121	Recovery	=	22.78%#
70) SURR2,BFB	10.864	95	50687	11.24	ppb	0.00
Spiked Amount	50.000	Range	85 - 122	Recovery	=	22.48%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.219	85	13683	4.34	ppb	94
3) Chloromethane	1.347	50	13543	4.73	ppb	97
4) Vinyl Chloride	1.420	62	18006	5.12	ppb	97
5) Bromomethane	1.646	94	20449	5.82	ppb	98
6) Chloroethane	1.725	64	15166	5.24	ppb	98
7) Freon 21	1.872	67	25892	5.11	ppb	100
8) Trichlorofluoromethane	1.920	101	21639	4.95	ppb	97
9) Diethyl Ether	2.158	59	12609	4.97	ppb	92
10) Freon 123a	2.158	67	15211	4.89	ppb	93
11) Freon 123	2.207	83	18848	5.19	ppb	93
12) Acrolein	2.256	56	14406	23.92	ppb	97
13) 1,1-Dicethene	2.347	96	14134	5.08	ppb	96
14) Freon 113	2.347	101	12768	5.18	ppb	92
15) Acetone	2.390	43	8156m	6.07	ppb	
16) 2-Propanol	2.518	45	32416m	93.43	ppb	
17) Iodomethane	2.475	142	7643	2.47	ppb	86
18) Carbon Disulfide	2.536	76	34679	5.17	ppb	99
19) Acetonitrile	2.640	40	4513	28.87	ppb	# 65
20) Allyl Chloride	2.676	76	7293	5.01	ppb	# 87
21) Methyl Acetate	2.695	43	13973	4.82	ppb	96
22) Methylene Chloride	2.786	84	14527	4.66	ppb	95
23) TBA	2.920	59	59308	92.80	ppb	94
24) Acrylonitrile	3.042	53	38310	26.24	ppb	99
25) Methyl-t-Butyl Ether	3.097	73	52212	5.17	ppb	95
26) trans-1,2-Dichloroethene	3.091	96	14503	4.75	ppb	# 82
28) 1,1-Dicethane	3.579	63	25181	5.05	ppb	95
29) Vinyl Acetate	3.676	86	3195	5.13	ppb	# 74
30) DIPE	3.707	45	42001	5.38	ppb	90
31) 2-Chloro-1,3-Butadiene	3.701	53	18730	4.99	ppb	99
32) ETBE	4.231	59	44782	5.19	ppb	95
33) 2,2-Dichloropropane	4.402	77	24841	5.44	ppb	99
34) cis-1,2-Dichloroethene	4.414	96	18320	5.08	ppb	88
35) 2-Butanone	4.469	43	9967	5.39	ppb	97
36) Propionitrile	4.536	54	16272	24.64	ppb	91
37) Bromochloromethane	4.804	130	11805	4.88	ppb	90
38) Methacrylonitrile	4.804	67	8815	4.87	ppb	# 79
39) Tetrahydrofuran	4.895	42	7525	5.98	ppb	87
40) Chloroform	4.987	83	26931	5.09	ppb	94
41) 1,1,1-Trichloroethane	5.273	97	26112	5.29	ppb	91

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	46475	5.12	ppb	99
44) Cyclohexane	5.371	41	12772	4.90	ppb	83
46) Carbontetrachloride	5.548	117	21270	5.06	ppb	84
47) 1,1-Dichloropropene	5.566	75	20328	5.22	ppb	95
49) Benzene	5.883	78	62669	5.00	ppb	96
50) 1,2-Dichloroethane	5.914	62	21852	4.92	ppb	97
51) Iso-Butyl Alcohol	5.883	43	22704	84.35	ppb	90
52) n-Heptane	6.365	43	17061	5.12	ppb	85
53) 1-Butanol	6.846	56	38909m	211.94	ppb	
54) Trichloroethene	6.822	130	19304	4.96	ppb	93
55) Methylcyclohexane	7.054	55	17339	4.77	ppb	97
56) 1,2-Diclpropane	7.102	63	16234	5.41	ppb	97
57) Dibromomethane	7.236	93	10441	4.94	ppb	88
58) 1,4-Dioxane	7.297	88	8056m	98.60	ppb	
59) Methyl Methacrylate	7.328	69	15091	5.08	ppb	# 81
60) Bromodichloromethane	7.462	83	21362	5.13	ppb	100
61) 2-Nitropropane	7.742	41	10740	9.95	ppb	89
62) 2-Chloroethylvinyl Ether	7.870	63	10368	4.87	ppb	77
63) cis-1,3-Dichloropropene	8.005	75	27460	5.11	ppb	98
64) 4-Methyl-2-pentanone	8.212	43	17254	4.55	ppb	97
66) Toluene	8.376	91	71277	5.03	ppb	99
67) trans-1,3-Dichloropropene	8.645	75	23570	4.90	ppb	97
68) Ethyl Methacrylate	8.785	69	23753	4.61	ppb	96
69) 1,1,2-Trichloroethane	8.834	97	17385	5.12	ppb	91
72) Tetrachloroethene	8.968	164	15096	4.97	ppb	98
73) 2-Hexanone	9.120	43	13634	4.81	ppb	99
74) 1,3-Dichloropropane	8.998	76	27052	5.30	ppb	96
75) Dibromochloromethane	9.224	129	18055	4.88	ppb	91
76) N-Butyl Acetate	9.279	43	27053	5.00	ppb	86
77) 1,2-Dibromoethane	9.321	107	16298	4.78	ppb	92
78) Chlorobenzene	9.815	112	48052	5.18	ppb	99
79) 3-CBTF	9.833	180	26468	4.96	ppb	95
80) 4-CBTF	9.888	180	23727	4.91	ppb	92
81) 1,1,1,2-Tetrachloroethane	9.901	131	18125	5.03	ppb	93
82) Ethylbenzene	9.937	106	27046	5.39	ppb	92
83) (m+p)Xylene	10.047	106	61948	9.97	ppb	# 87
84) o-Xylene	10.407	106	32097	5.10	ppb	89
85) Styrene	10.419	104	49369	5.02	ppb	88
87) Bromoform	10.571	173	12153	4.66	ppb	97
88) 2-CBTF	10.650	180	26439	5.35	ppb	# 83
89) Isopropylbenzene	10.742	105	78831	5.58	ppb	94
90) Cyclohexanone	10.803	55	77172	109.41	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	6206	5.32	ppb	87
92) 1,1,2,2-Tetrachloroethane	10.998	83	23647	5.54	ppb	92
93) Bromobenzene	10.986	156	21770	5.11	ppb	# 88
94) 1,2,3-Trichloropropane	11.028	110	9246	5.77	ppb	95
95) n-Propylbenzene	11.095	91	85759	5.59	ppb	93
96) 2-Chlorotoluene	11.156	91	54552	5.72	ppb	92
97) 3-Chlorotoluene	11.211	91	49652	5.51	ppb	94
98) 4-Chlorotoluene	11.254	91	62206	5.71	ppb	99
99) 1,3,5-Trimethylbenzene	11.248	105	65065	5.48	ppb	96
100) tert-Butylbenzene	11.522	119	60101	5.54	ppb	94
101) 1,2,4-Trimethylbenzene	11.559	105	65900	5.58	ppb	94
102) 3,4-DCBTF	11.620	214	20264	4.80	ppb	# 91
103) sec-Butylbenzene	11.705	105	83292	5.49	ppb	95
104) p-Isopropyltoluene	11.827	119	69138	5.24	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

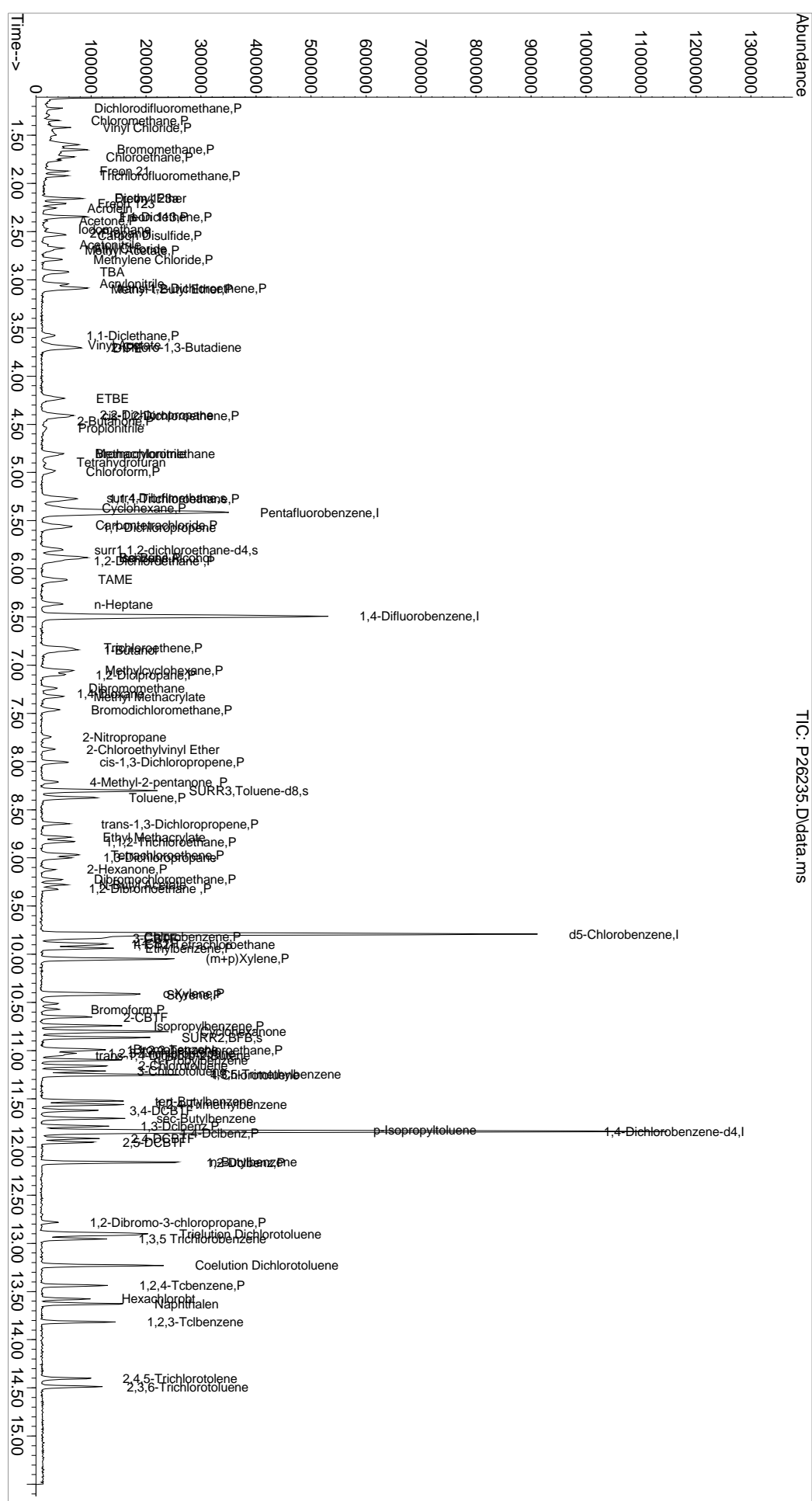
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	39757	5.22	ppb	94
106) 1,4-Dclbenz	11.857	146	41468	5.33	ppb	97
107) 2,4-DCBTF	11.912	214	18125	4.77	ppb	96
108) 2,5-DCBTF	11.955	214	20270	4.80	ppb	95
109) n-Butylbenzene	12.156	91	57917	5.27	ppb	94
110) 1,2-Dclbenz	12.162	146	40134	5.29	ppb	91
111) 1,2-Dibromo-3-chloropr...	12.784	157	7172	4.73	ppb	92
112) Trielution Dichlorotol...	12.900	125	100816	15.83	ppb	91
113) 1,3,5 Trichlorobenzene	12.955	180	29057	4.82	ppb	91
114) Coelution Dichlorotoluene	13.229	125	75108	10.57	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	30218	4.78	ppb	94
116) Hexachlorobt	13.577	225	13161	4.82	ppb	86
117) Naphthalen	13.625	128	94474	5.16	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	33462	5.00	ppb	95
119) 2,4,5-Trichlorotoluene	14.400	159	18953	4.67	ppb	99
120) 2,3,6-Trichlorotoluene	14.491	159	21798	4.58	ppb	96

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

1st 05/01/19

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26235.D
 Acq On : 1 May 2019 1:52 pm
 Operator : K.Ruest
 Sample : 5.0ppb
 Disc : 8260/624 ICAL
 PALS Vial : 4 Sample Multiplier: 1
 Inst : MSVOA-12

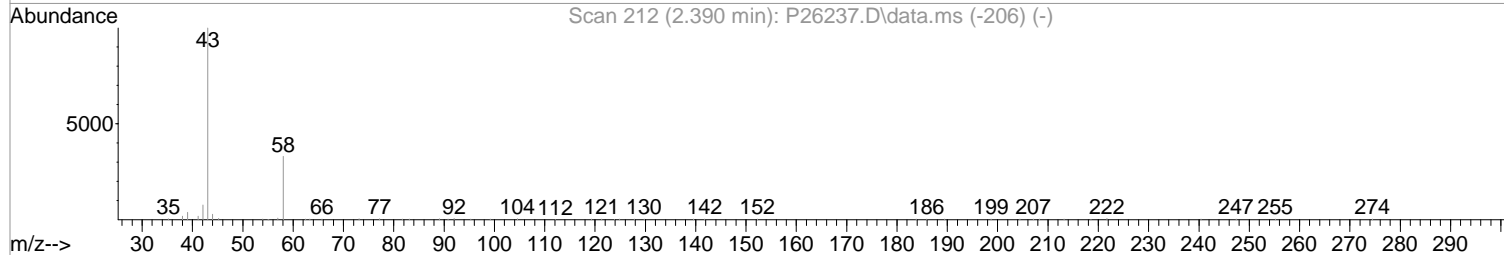
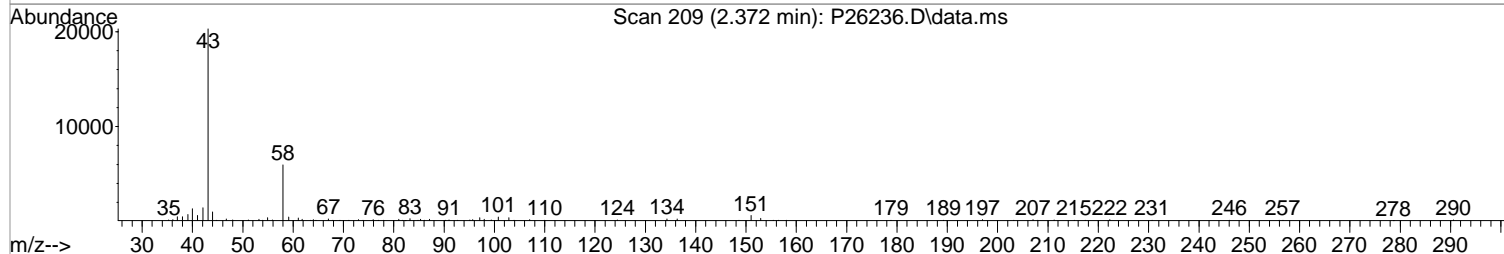
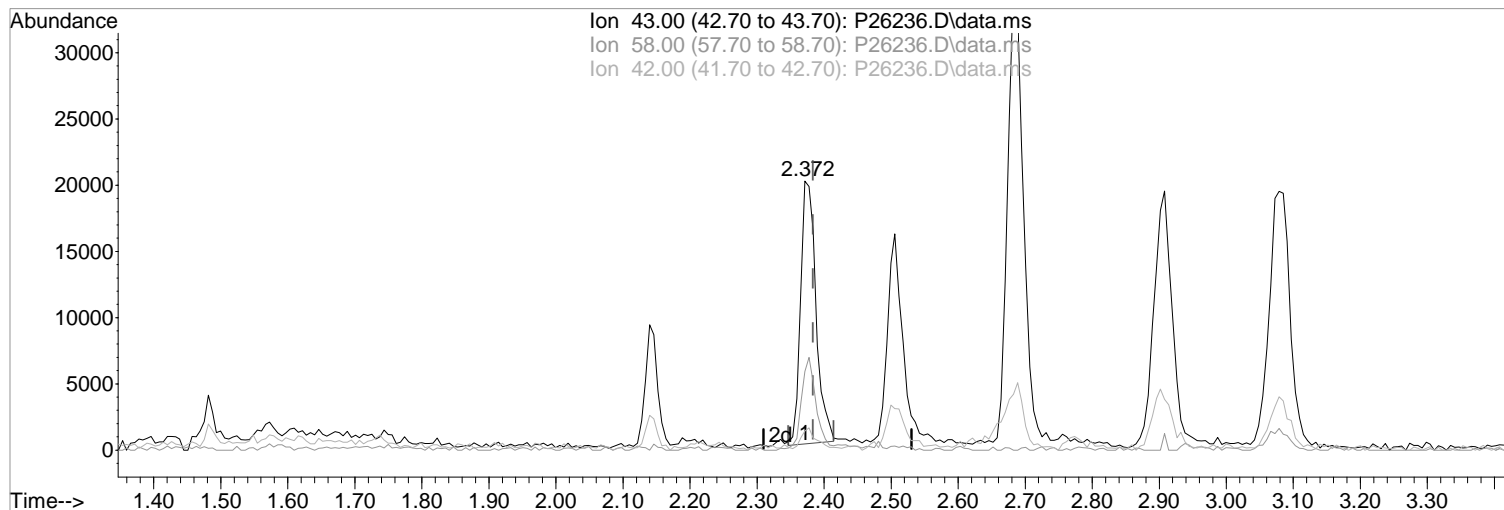
Quant Time: May 01 17:40:49 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(15) Acetone (P)
2.372min (-0.012) 23.66 ppb m
response 31687

Manual Integration:

After

Poor integration.

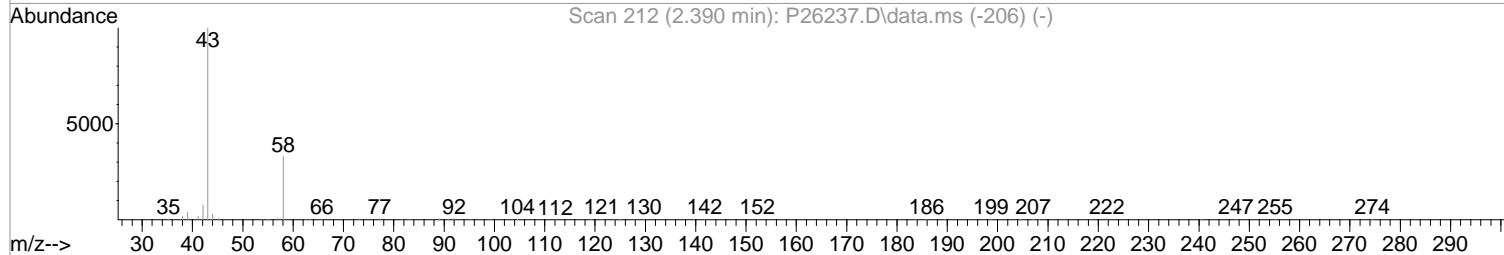
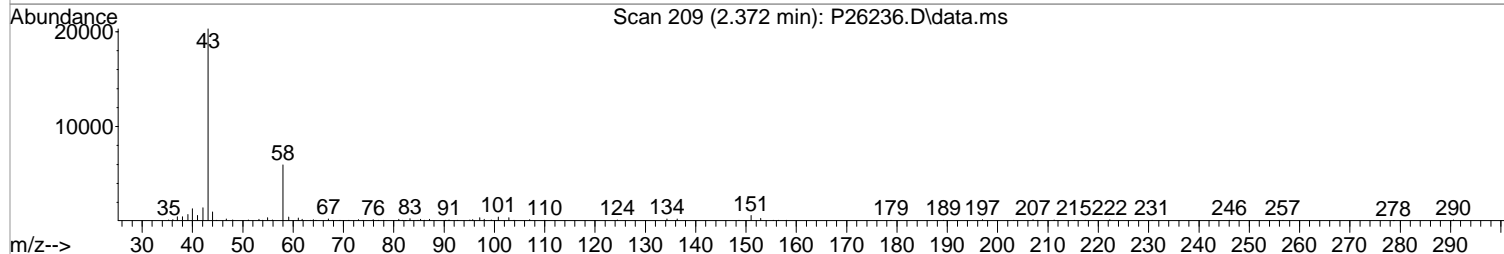
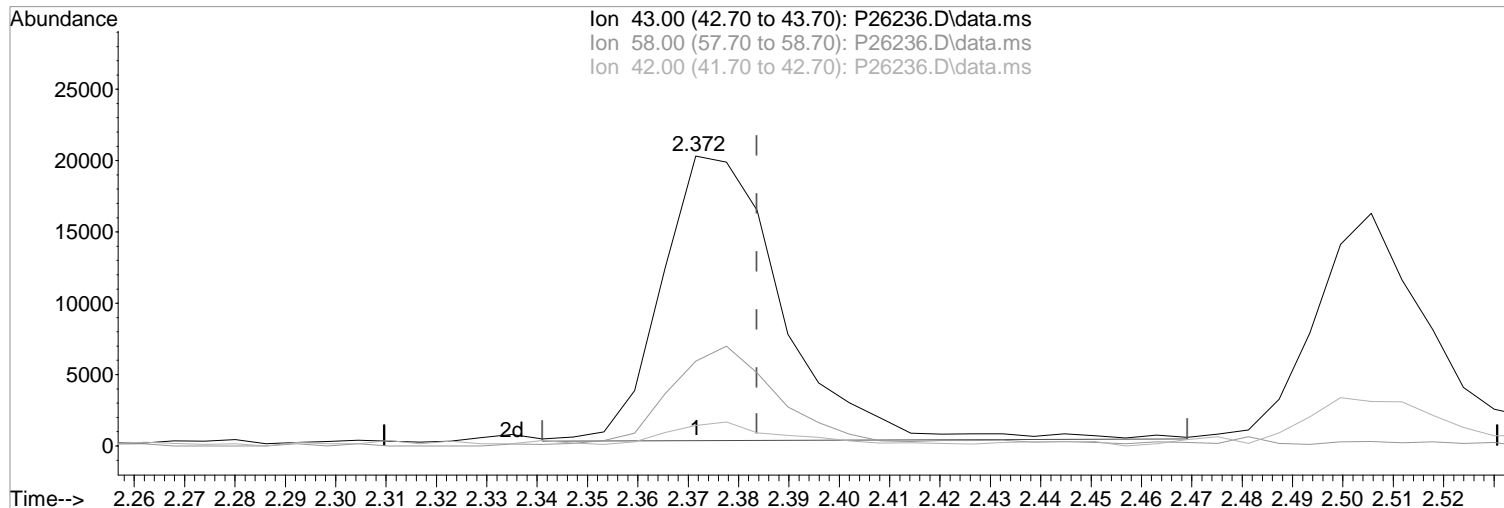
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.372min (-0.012) 24.86 ppb
response 33295

Manual Integration:
Before

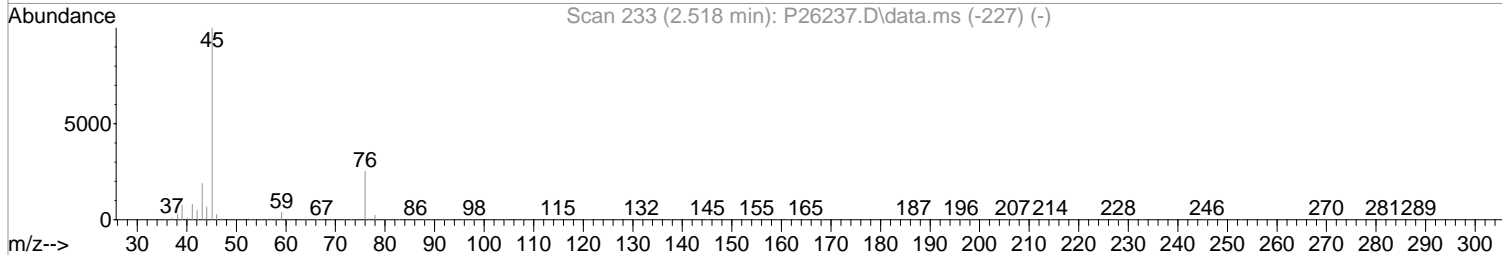
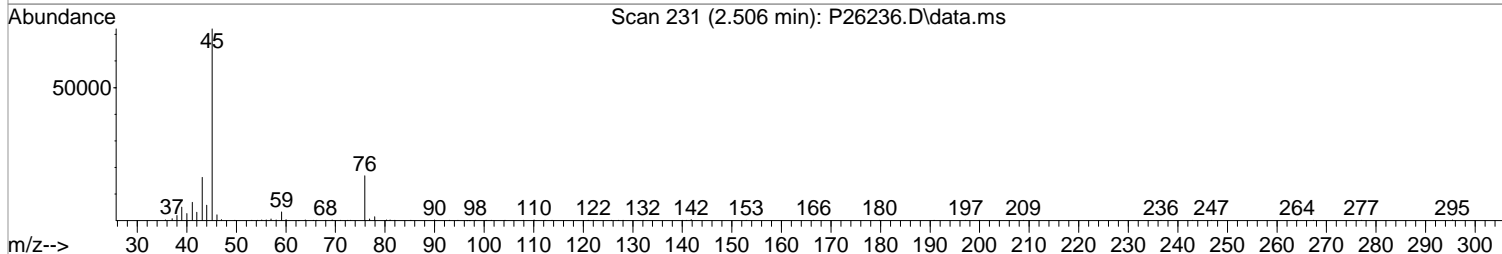
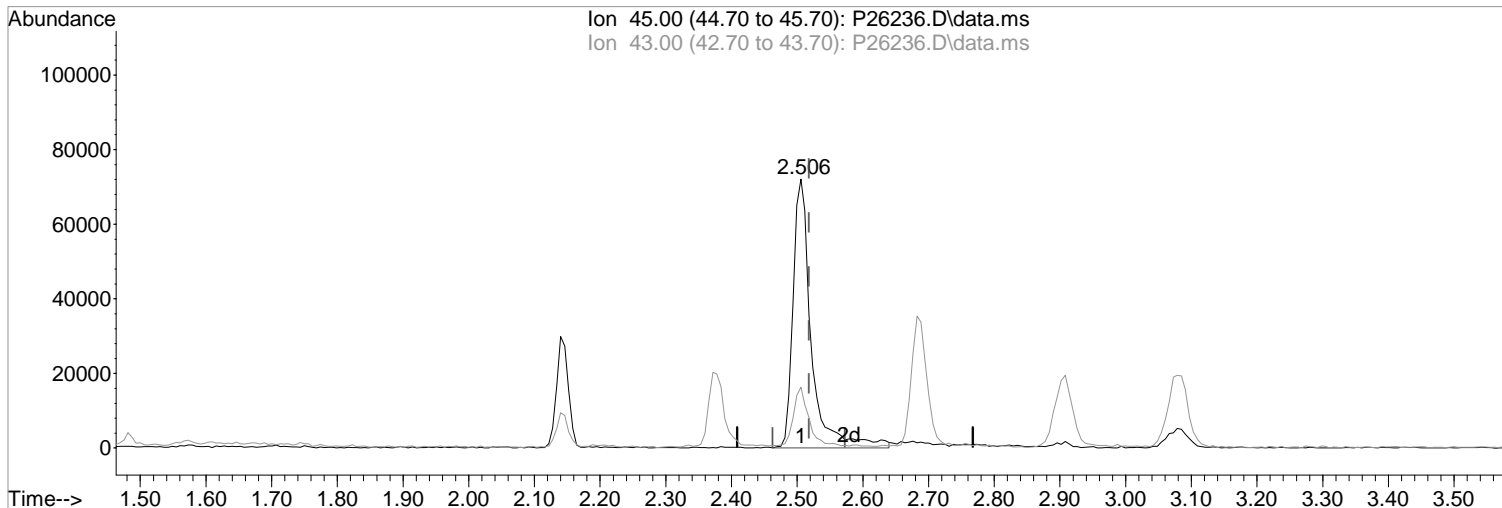
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	29.24
42.00	8.30	7.11
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 405.00 ppb m
response 140122

Manual Integration:

After

Poor integration.

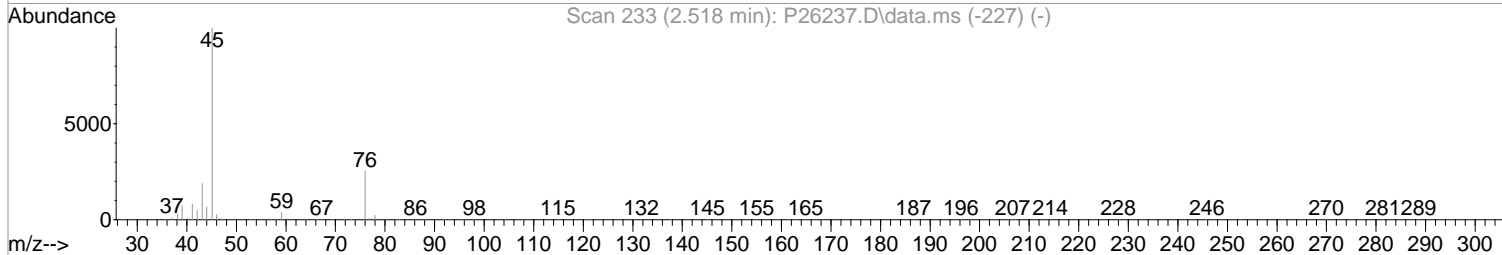
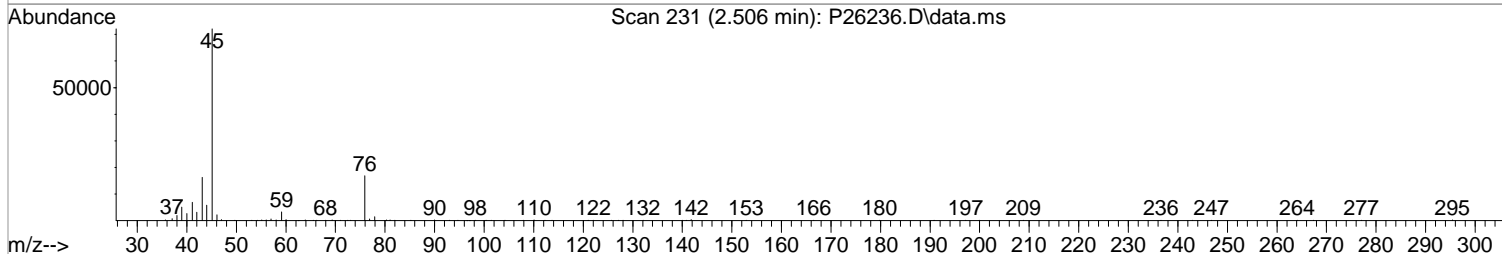
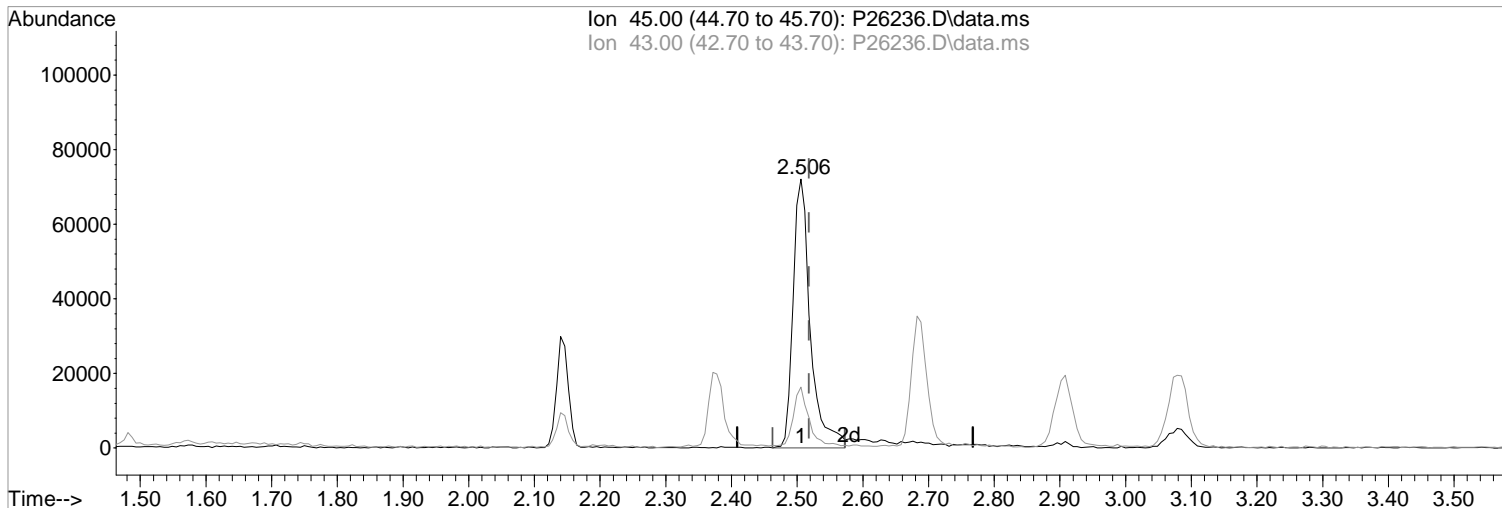
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 381.12 ppb
response 131858

Manual Integration:
Before

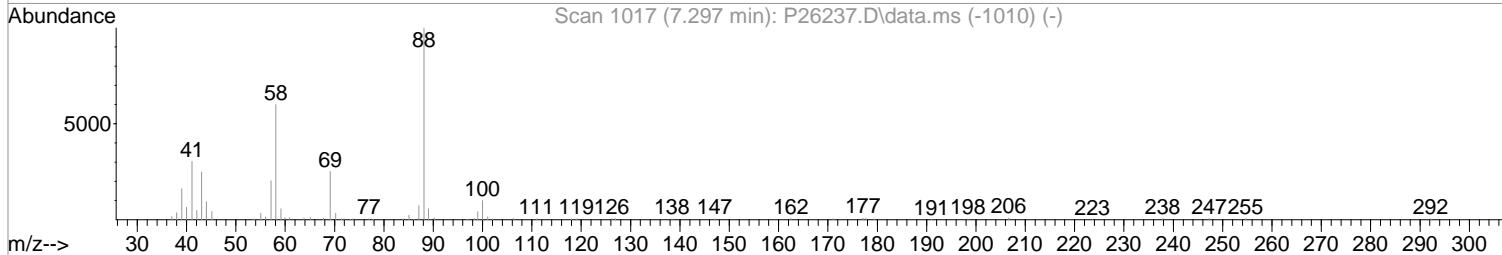
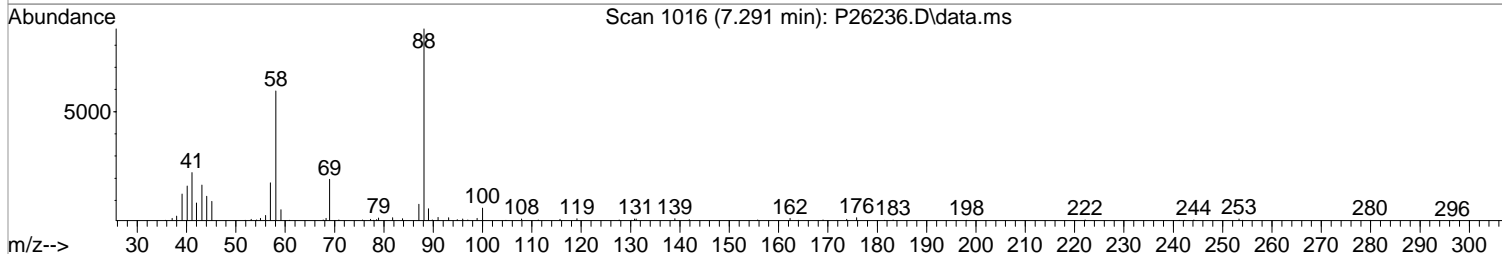
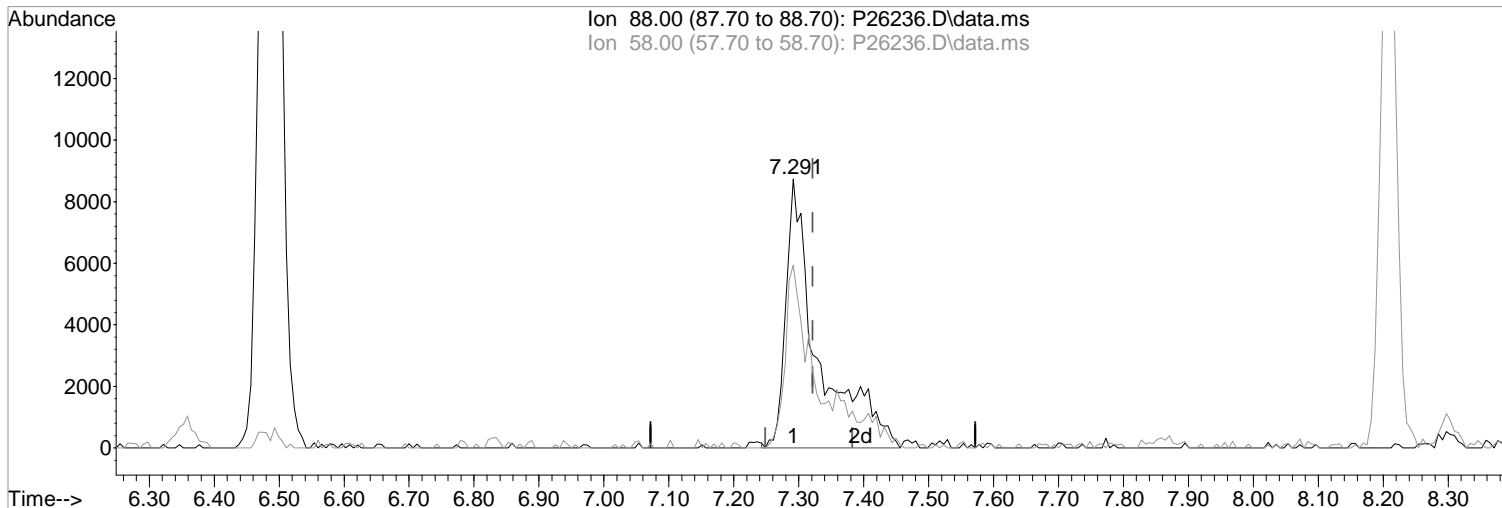
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.61
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26236.D\data.ms

(58) 1,4-Dioxane
7.291min (-0.030) 369.35 ppb m
response 30152

Manual Integration:
After
Poor integration.

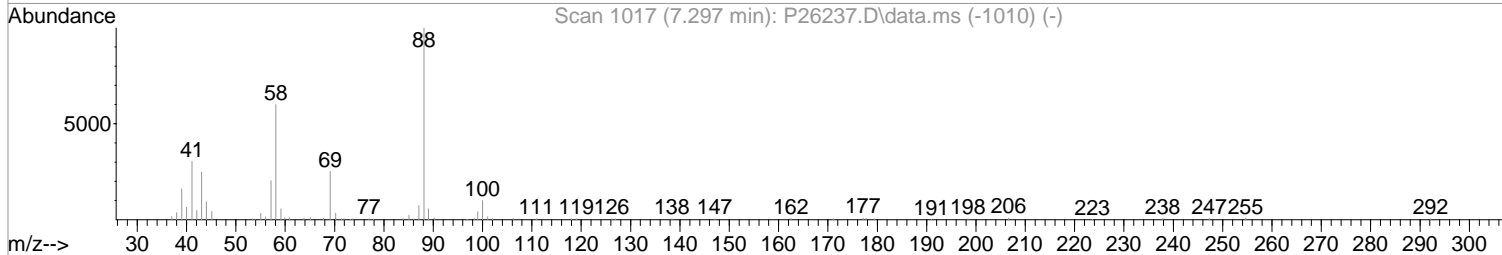
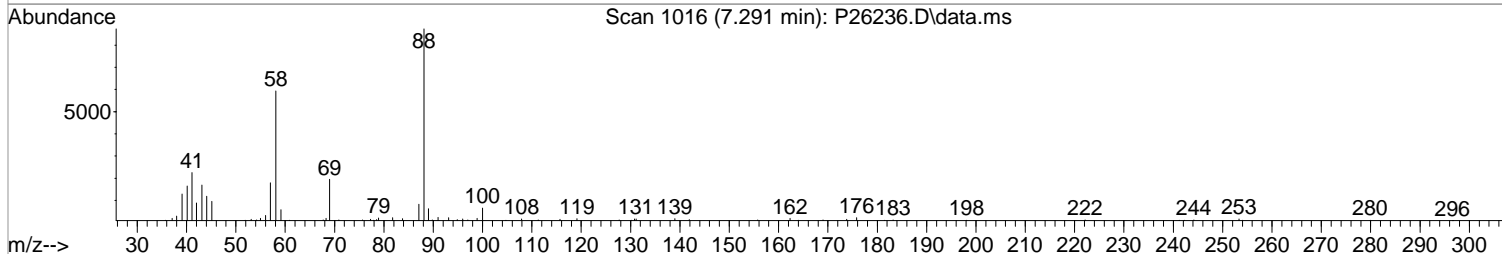
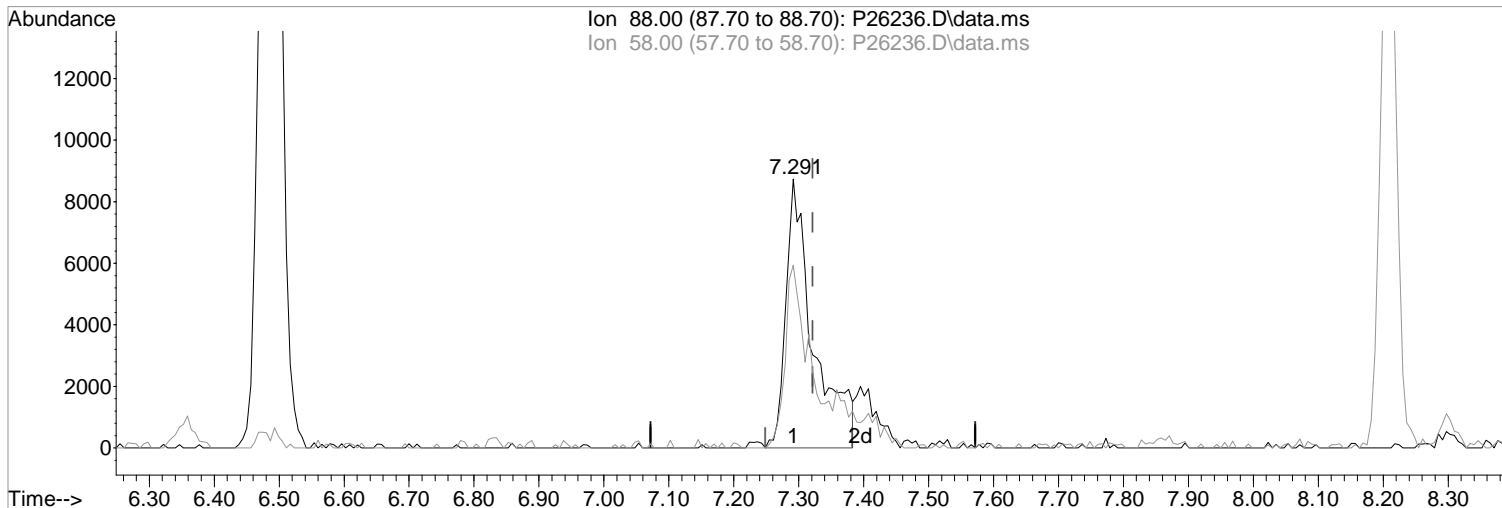
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26236.D
Acq On : 1 May 2019 2:14 pm
Operator : K.Ruest
Sample : 20ppb
Misc : 8260/624 ICAL
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:49 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(58) 1,4-Dioxane
7.291min (-0.030) 314.35 ppb
response 25662

Manual Integration:
Before

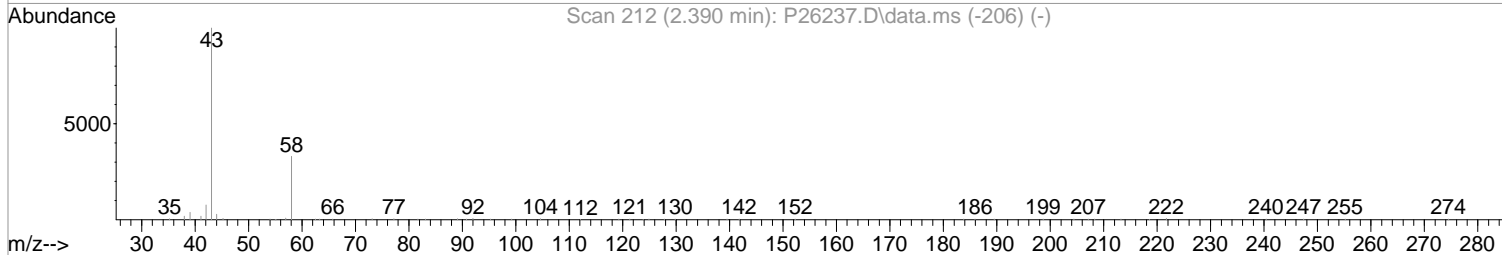
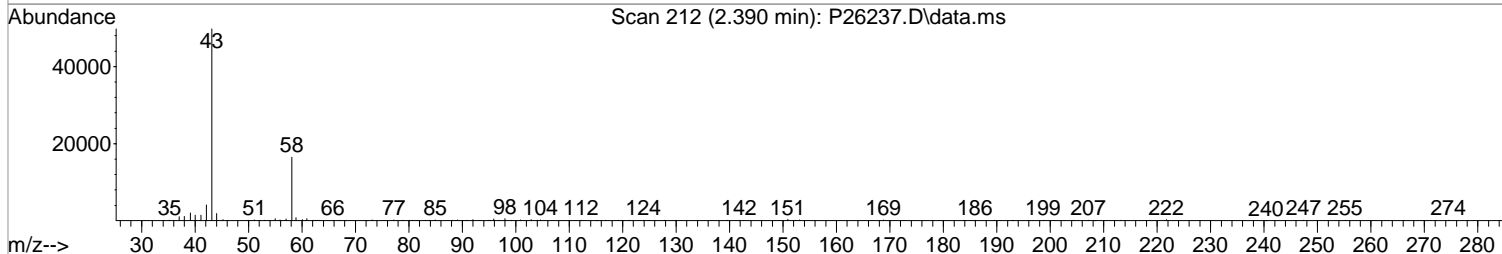
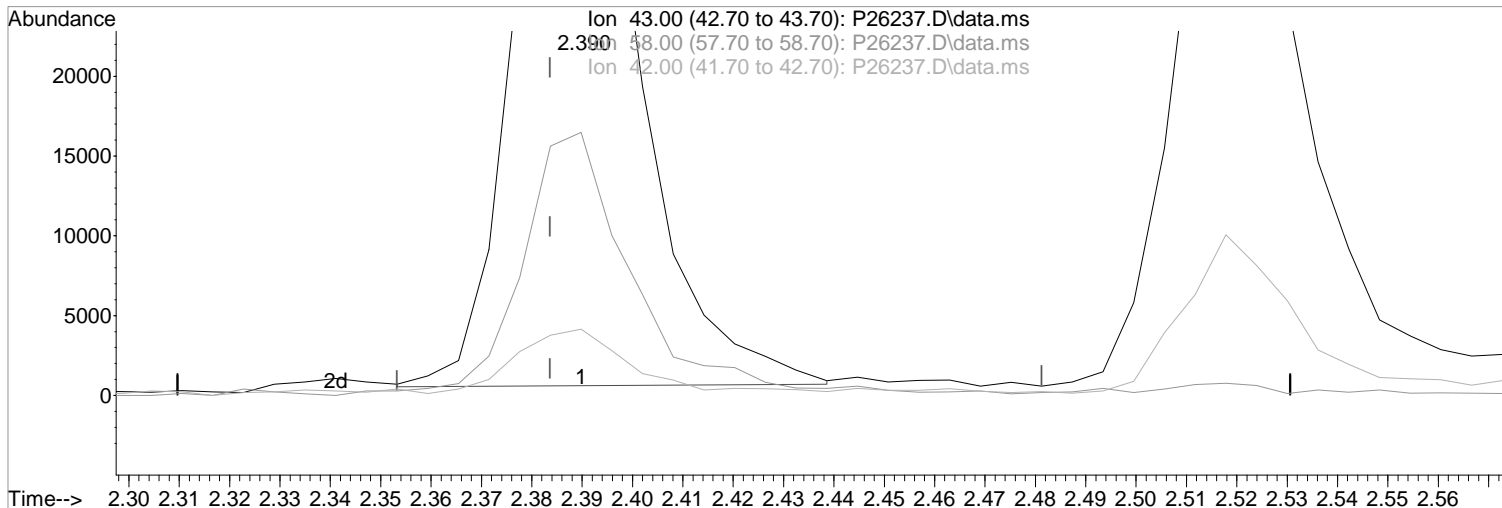
Ion	Exp%	Act%
88.00	100	100
58.00	60.00	67.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 52.16 ppb m
response 74155

Manual Integration:

After

Poor integration.

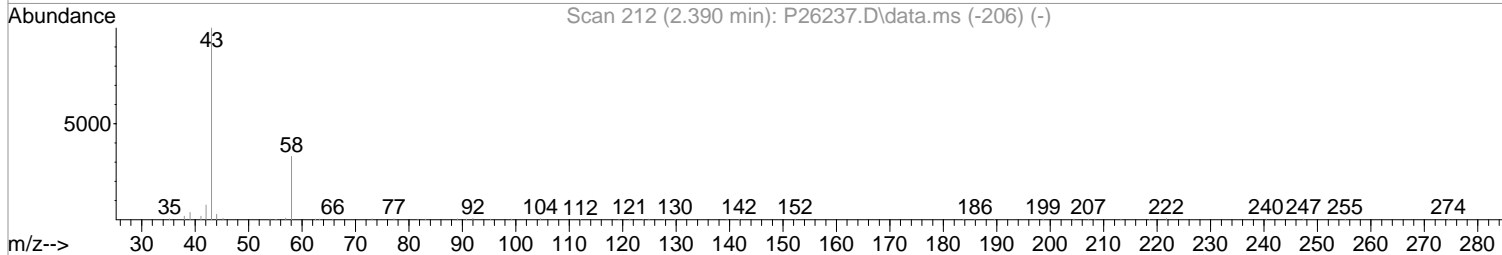
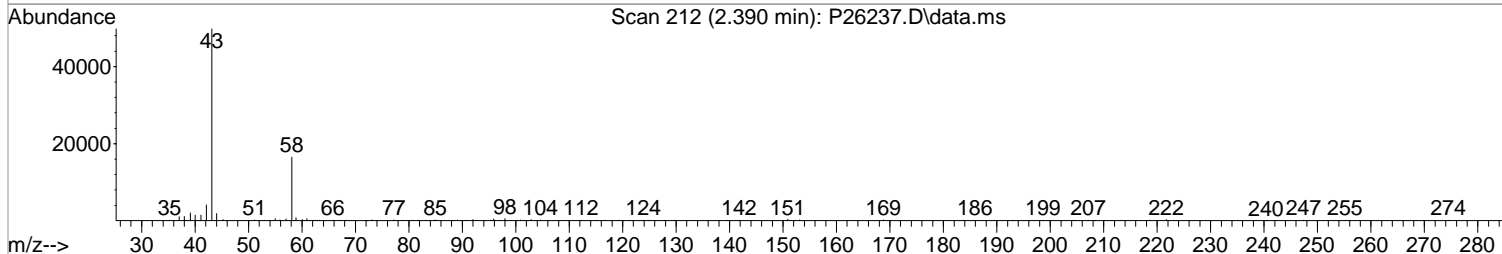
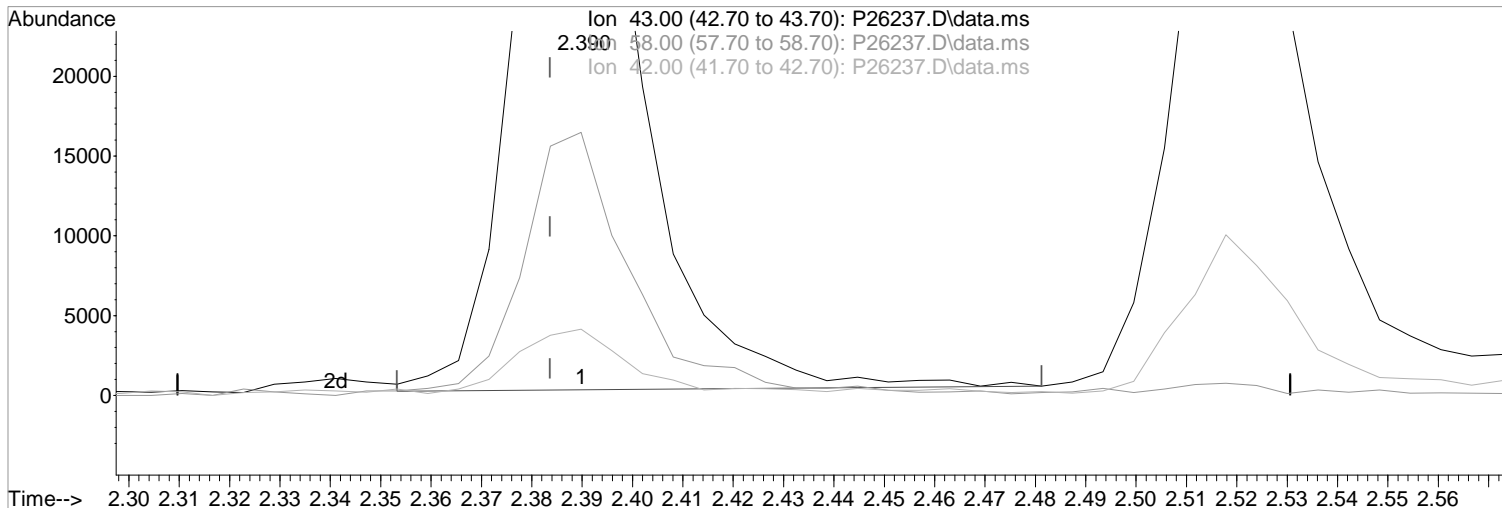
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 53.63 ppb
response 76244

Manual Integration:
Before

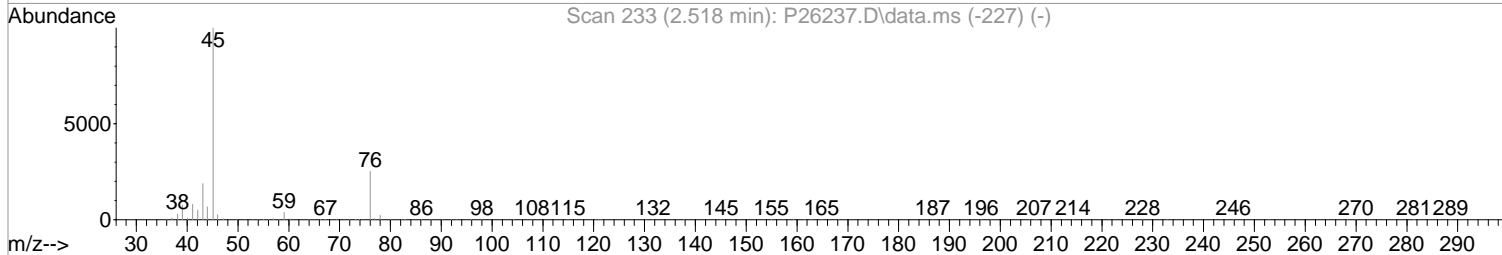
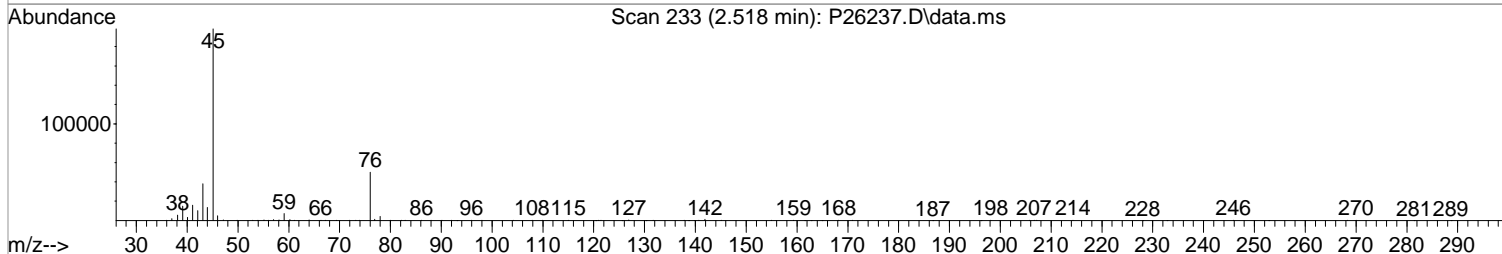
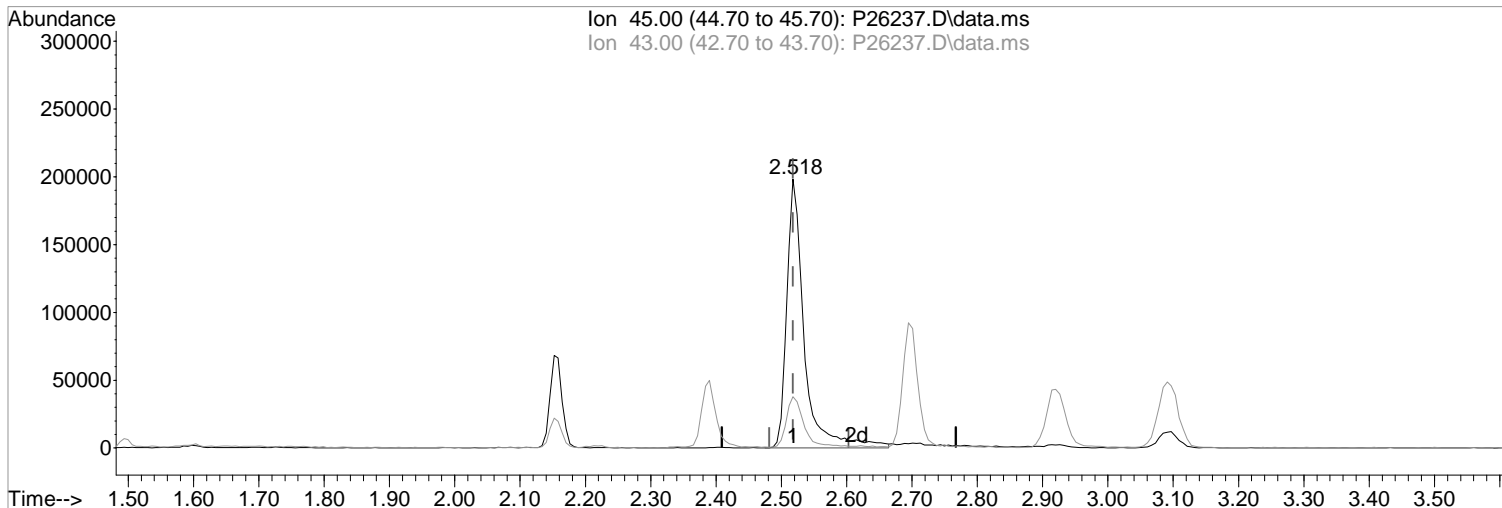
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	33.10
42.00	8.30	8.35
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol

2.518min (+0.000) 1001.51 ppb m

response 367862

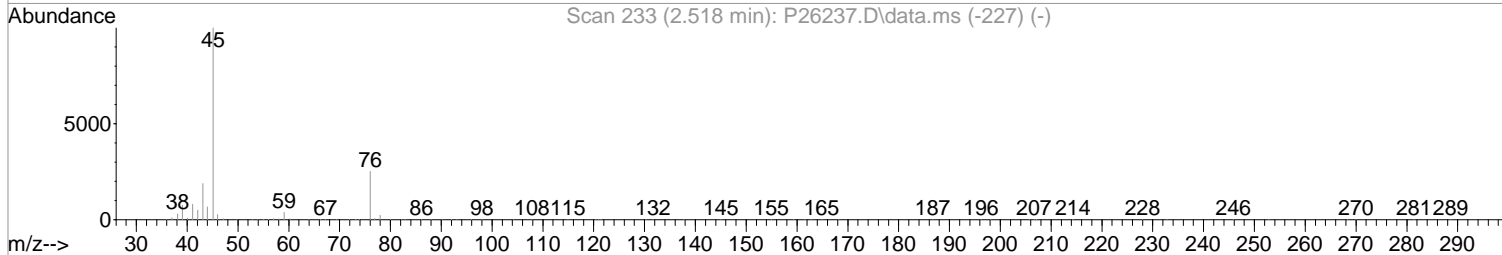
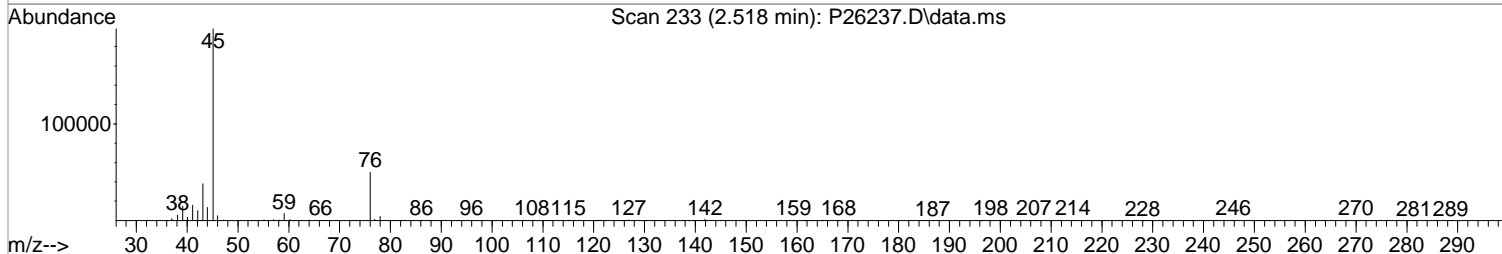
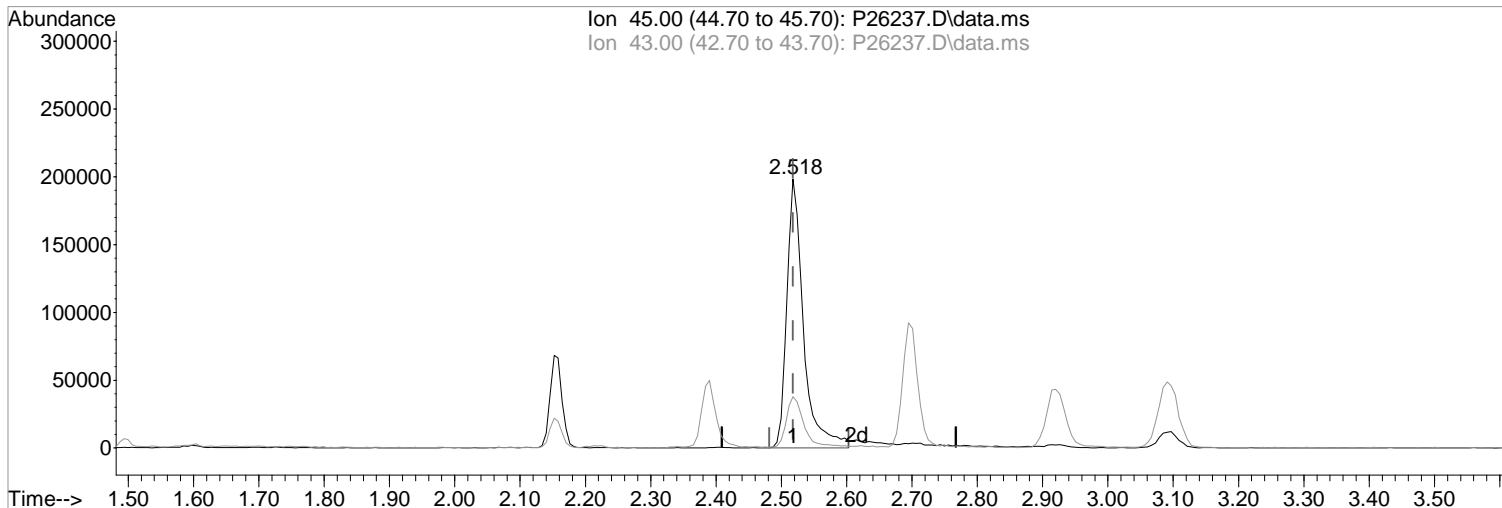
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26237.D
Acq On : 1 May 2019 2:36 pm
Operator : K.Ruest
Sample : 50ppb
Misc : 8260/624 ICAL
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:52 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (+0.000) 957.97 ppb
response 351871

Manual Integration:
Before

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	19.15
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	354323	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	498990	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	469254	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	300936	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	144520	50.38	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	100.76%		
48) surr1,1,2-dichloroetha...	5.798	65	164940	52.70	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	105.40%		
65) SURR3,Toluene-d8	8.303	98	606611	50.93	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	101.86%		
70) SURR2,BFB	10.864	95	248957	53.49	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	106.98%		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	177695	53.25	ppb		100
3) Chloromethane	1.347	50	149706	49.40	ppb		100
4) Vinyl Chloride	1.420	62	187452	50.33	ppb		100
5) Bromomethane	1.646	94	165070	44.37	ppb		100
6) Chloroethane	1.725	64	142198	46.42	ppb		100
7) Freon 21	1.872	67	264085	49.19	ppb		100
8) Trichlorofluoromethane	1.920	101	234110	50.55	ppb		100
9) Diethyl Ether	2.158	59	126601	47.17	ppb		100
10) Freon 123a	2.158	67	162268	49.30	ppb		100
11) Freon 123	2.207	83	194977	50.72	ppb		100
12) Acrolein	2.256	56	162785	255.31	ppb		100
13) 1,1-Diclcethene	2.341	96	139055	47.20	ppb		100
14) Freon 113	2.347	101	130696	50.10	ppb		100
15) Acetone	2.390	43	74155m	52.16	ppb		
16) 2-Propanol	2.518	45	367862m	1001.51	ppb		
17) Iodomethane	2.475	142	186337	56.83	ppb		100
18) Carbon Disulfide	2.536	76	368937	51.98	ppb		100
19) Acetonitrile	2.634	40	59127	357.31	ppb		100
20) Allyl Chloride	2.676	76	65983	42.81	ppb		100
21) Methyl Acetate	2.695	43	146835	47.88	ppb		100
22) Methylene Chloride	2.786	84	152312	46.15	ppb		100
23) TBA	2.920	59	672348	993.70	ppb		100
24) Acrylonitrile	3.042	53	397367	257.09	ppb		100
25) Methyl-t-Butyl Ether	3.091	73	537448	50.22	ppb		100
26) trans-1,2-Dichloroethene	3.079	96	154273	47.76	ppb		100
28) 1,1-Diclcethane	3.579	63	271584	51.42	ppb		100
29) Vinyl Acetate	3.664	86	36735	55.67	ppb		100
30) DIPE	3.707	45	423008	51.14	ppb		100
31) 2-Chloro-1,3-Butadiene	3.701	53	201200	50.62	ppb		100
32) ETBE	4.231	59	468542	51.33	ppb		100
33) 2,2-Dichloropropane	4.408	77	250249	51.77	ppb		100
34) cis-1,2-Dichloroethene	4.414	96	179974	47.15	ppb		100
35) 2-Butanone	4.456	43	104888	53.54	ppb		100
36) Propionitrile	4.536	54	174917	250.22	ppb		100
37) Bromochloromethane	4.804	130	126701	49.46	ppb		100
38) Methacrylonitrile	4.804	67	93165	48.60	ppb		100
39) Tetrahydrofuran	4.902	42	69139	51.89	ppb		100
40) Chloroform	4.987	83	277264	49.46	ppb		100
41) 1,1,1-Trichloroethane	5.279	97	262895	50.32	ppb		100

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	492483	51.28	ppb	100
44) Cyclohexane	5.365	41	135276	50.31	ppb	100
46) Carbontetrachloride	5.554	117	226927	52.31	ppb	100
47) 1,1-Dichloropropene	5.566	75	205187	51.08	ppb	100
49) Benzene	5.877	78	647447	50.07	ppb	100
50) 1,2-Dichloroethane	5.914	62	230286	50.24	ppb	100
51) Iso-Butyl Alcohol	5.889	43	276739	995.93	ppb	100
52) n-Heptane	6.365	43	168896	49.12	ppb	100
53) 1-Butanol	6.846	56	481621	2541.15	ppb	100
54) Trichloroethene	6.822	130	198419	49.38	ppb	100
55) Methylcyclohexane	7.054	55	194220	51.75	ppb	100
56) 1,2-Dicloropropane	7.096	63	157928	50.93	ppb	100
57) Dibromomethane	7.236	93	109933	50.35	ppb	100
58) 1,4-Dioxane	7.297	88	77355	917.08	ppb	100
59) Methyl Methacrylate	7.322	69	155675	50.81	ppb	100
60) Bromodichloromethane	7.462	83	215536	50.09	ppb	100
61) 2-Nitropropane	7.742	41	124175	111.46	ppb	100
62) 2-Chloroethylvinyl Ether	7.870	63	117019	53.19	ppb	100
63) cis-1,3-Dichloropropene	8.005	75	277214	49.92	ppb	100
64) 4-Methyl-2-pentanone	8.212	43	199405	50.92	ppb	100
66) Toluene	8.376	91	746368	51.04	ppb	100
67) trans-1,3-Dichloropropene	8.645	75	257836	51.97	ppb	100
68) Ethyl Methacrylate	8.785	69	272364	51.15	ppb	100
69) 1,1,2-Trichloroethane	8.828	97	176345	50.31	ppb	100
72) Tetrachloroethene	8.968	164	163383	48.43	ppb	100
73) 2-Hexanone	9.120	43	159320	50.55	ppb	100
74) 1,3-Dichloropropane	8.998	76	281997	49.71	ppb	100
75) Dibromochloromethane	9.224	129	197467	48.02	ppb	100
76) N-Butyl Acetate	9.279	43	304972	50.74	ppb	100
77) 1,2-Dibromoethane	9.321	107	185675	49.02	ppb	100
78) Chlorobenzene	9.815	112	509827	49.42	ppb	100
79) 3-CBTF	9.833	180	293797	49.59	ppb	100
80) 4-CBTF	9.888	180	258975	48.19	ppb	100
81) 1,1,1,2-Tetrachloroethane	9.907	131	189082	47.24	ppb	100
82) Ethylbenzene	9.937	106	272049	48.78	ppb	100
83) (m+p)Xylene	10.053	106	700373	101.42	ppb	100
84) o-Xylene	10.407	106	356059	50.93	ppb	100
85) Styrene	10.419	104	584229	53.47	ppb	100
87) Bromoform	10.571	173	167907	48.11	ppb	100
88) 2-CBTF	10.650	180	307147	46.39	ppb	100
89) Isopropylbenzene	10.742	105	871867	46.06	ppb	100
90) Cyclohexanone	10.803	55	848318	898.28	ppb	100
91) trans-1,4-Dichloro-2-B...	11.047	53	66292	42.44	ppb	100
92) 1,1,2,2-Tetrachloroethane	10.998	83	254668	44.53	ppb	100
93) Bromobenzene	10.986	156	264373	46.33	ppb	100
94) 1,2,3-Trichloropropane	11.028	110	96986	45.18	ppb	100
95) n-Propylbenzene	11.095	91	959506	46.75	ppb	100
96) 2-Chlorotoluene	11.162	91	592282	46.40	ppb	100
97) 3-Chlorotoluene	11.211	91	578592	47.97	ppb	100
98) 4-Chlorotoluene	11.254	91	702912	48.16	ppb	100
99) 1,3,5-Trimethylbenzene	11.248	105	760516	47.83	ppb	100
100) tert-Butylbenzene	11.522	119	712650	49.06	ppb	100
101) 1,2,4-Trimethylbenzene	11.559	105	760086	48.07	ppb	100
102) 3,4-DCBTF	11.626	214	280755	49.72	ppb	100
103) sec-Butylbenzene	11.705	105	964123	47.43	ppb	100
104) p-Isopropyltoluene	11.827	119	869872	49.20	ppb	100

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Misc : 8260/624 ICAL
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

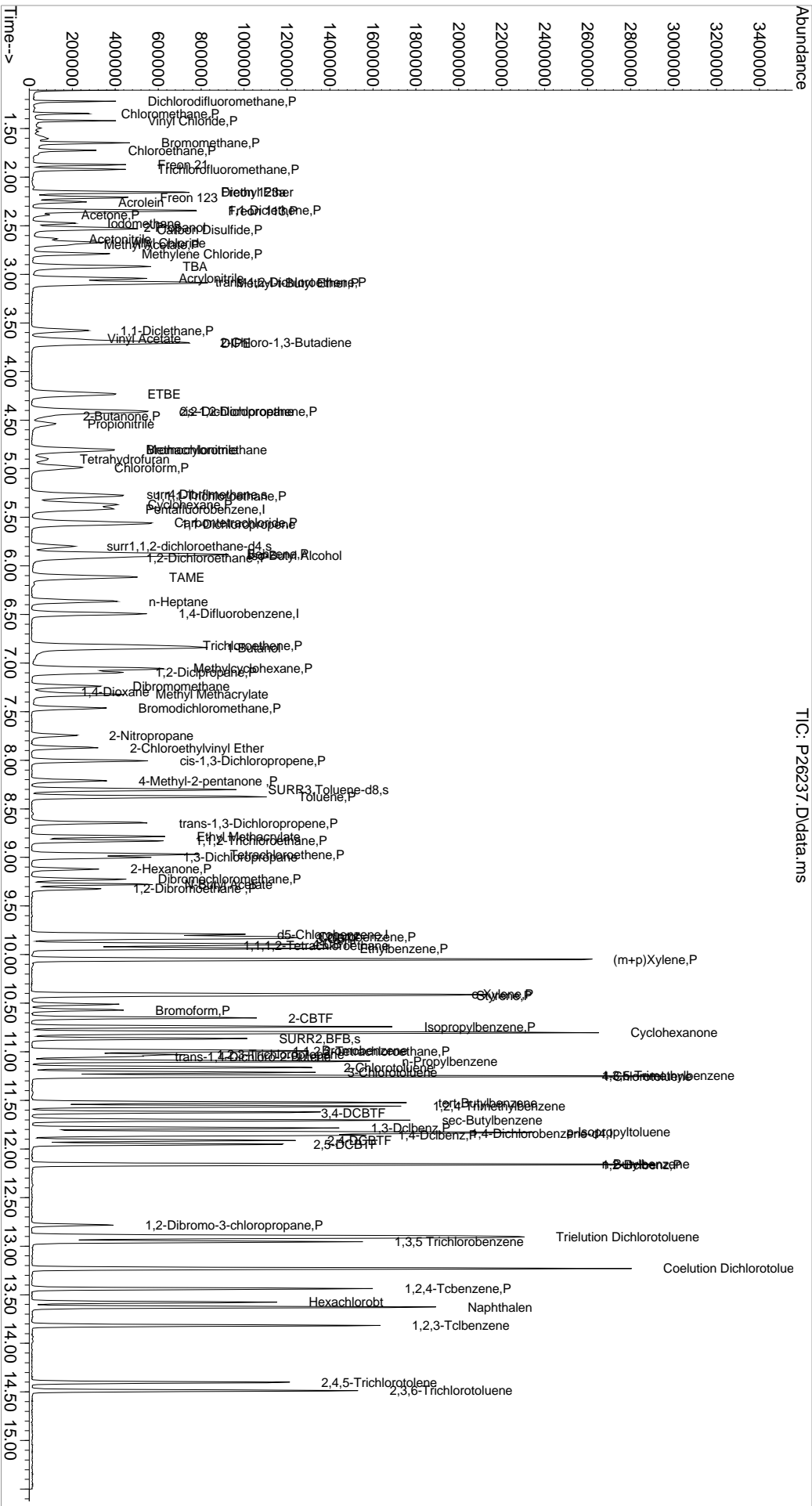
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	491651	48.24	ppb	100
106) 1,4-Dclbenz	11.857	146	515778	49.47	ppb	100
107) 2,4-DCBTF	11.912	214	255670	50.27	ppb	100
108) 2,5-DCBTF	11.955	214	281561	49.80	ppb	100
109) n-Butylbenzene	12.156	91	691693	47.02	ppb	100
110) 1,2-Dclbenz	12.162	146	494890	48.75	ppb	100
111) 1,2-Dibromo-3-chloropr...	12.784	157	96786	47.72	ppb	100
112) Trielution Dichlorotol...	12.906	125	1263252	148.17	ppb	100
113) 1,3,5 Trichlorobenzene	12.955	180	397664	49.31	ppb	100
114) Coelution Dichlorotoluene	13.229	125	934190	98.21	ppb	100
115) 1,2,4-Tcbenzene	13.436	180	421605	49.82	ppb	100
116) Hexachlorobt	13.577	225	177228	48.48	ppb	100
117) Naphthalen	13.625	128	1206252	49.21	ppb	100
118) 1,2,3-Tclbenzene	13.814	180	443933	49.49	ppb	100
119) 2,4,5-Trichlorotolene	14.400	159	279033	51.40	ppb	100
120) 2,3,6-Trichlorotoluene	14.485	159	324895	50.99	ppb	100

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

1st 05/01/19

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26237.D
 Acq On : 1 May 2019 2:36 pm
 Operator : K.Ruest
 Sample : 50ppb
 Conc : 8260/624 ICAL
 PALS Vial : 6 Sample Multiplier: 1
 Inst : MSVOA-12

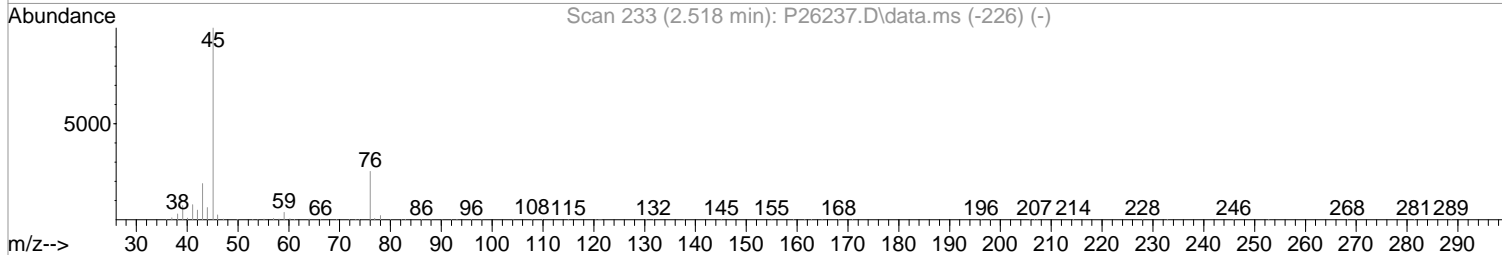
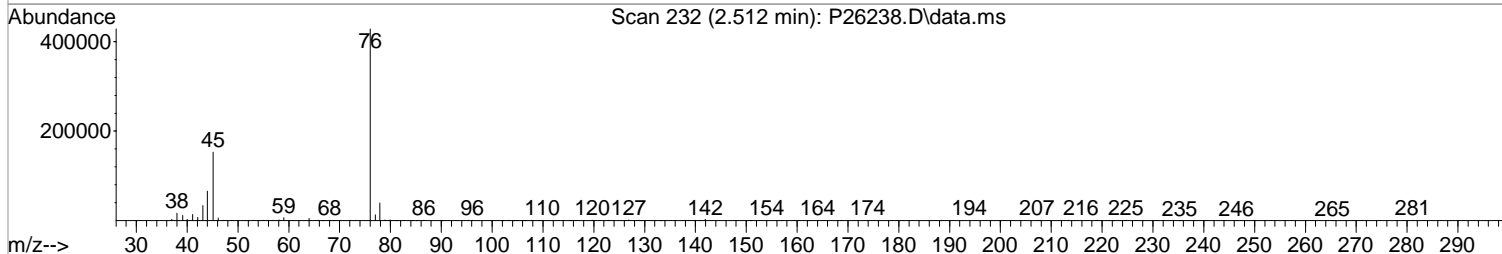
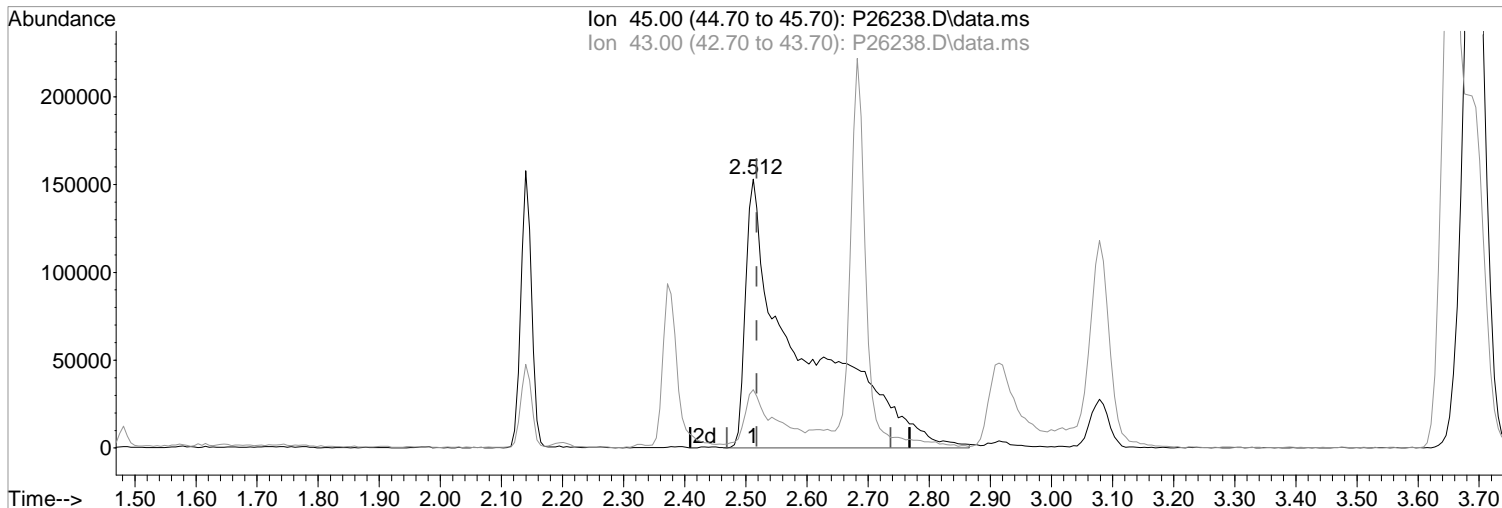
Quant Time: May 01 17:48:01 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B MATERS 10mL Purge
 Qlast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.512min (-0.006) 2213.99 ppb m
response 953242

Manual Integration:

After

Poor integration.

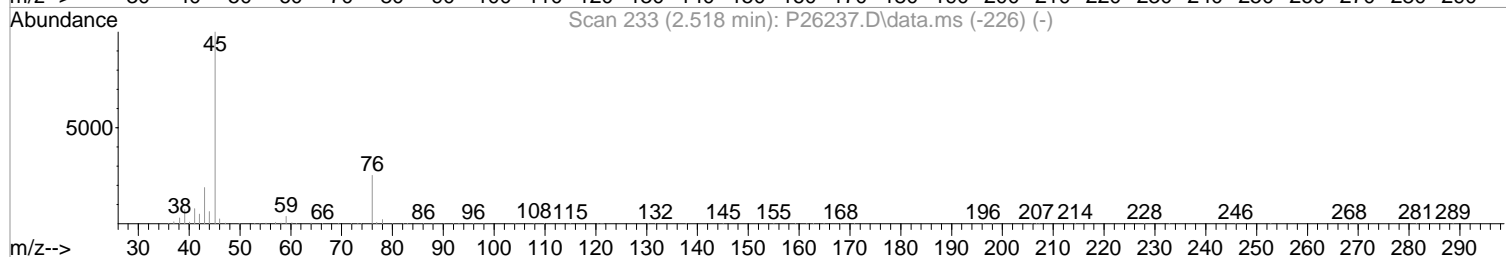
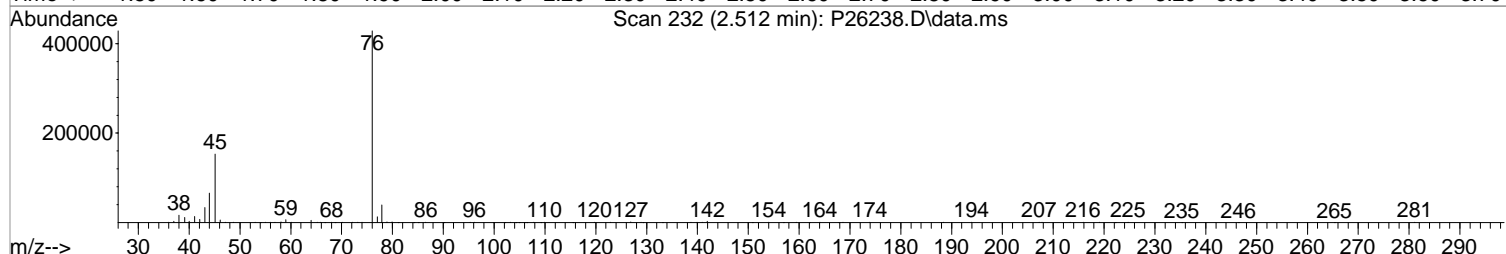
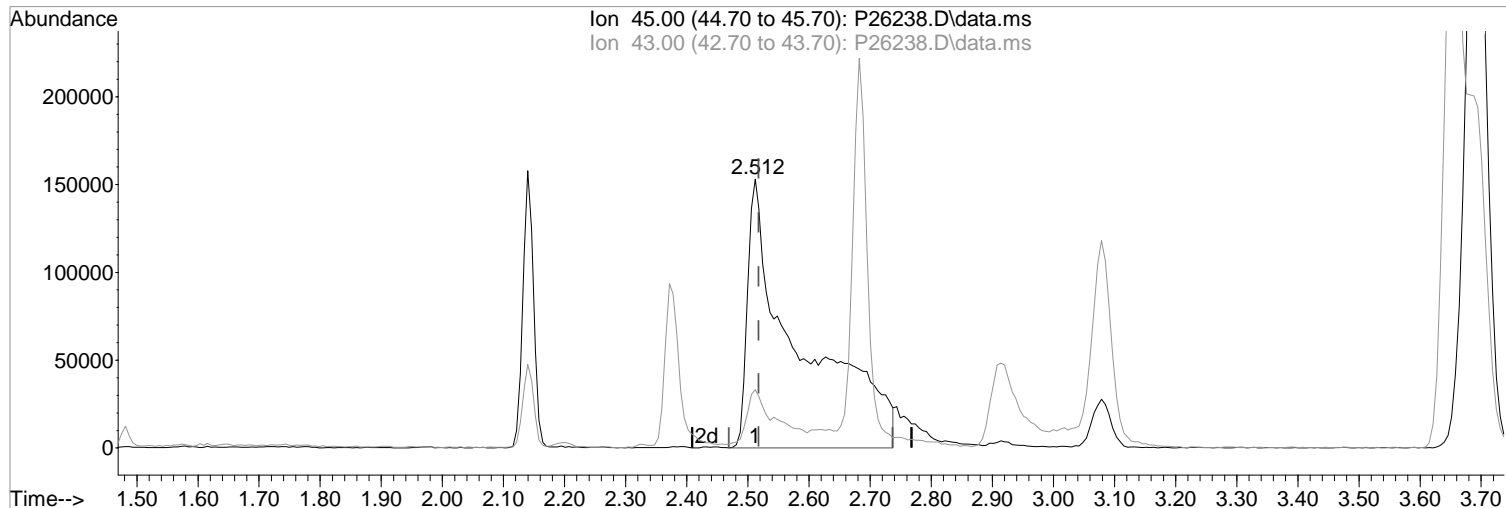
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(16) 2-Propanol
2.512min (-0.006) 2059.62 ppb
response 886775

Manual Integration:
Before

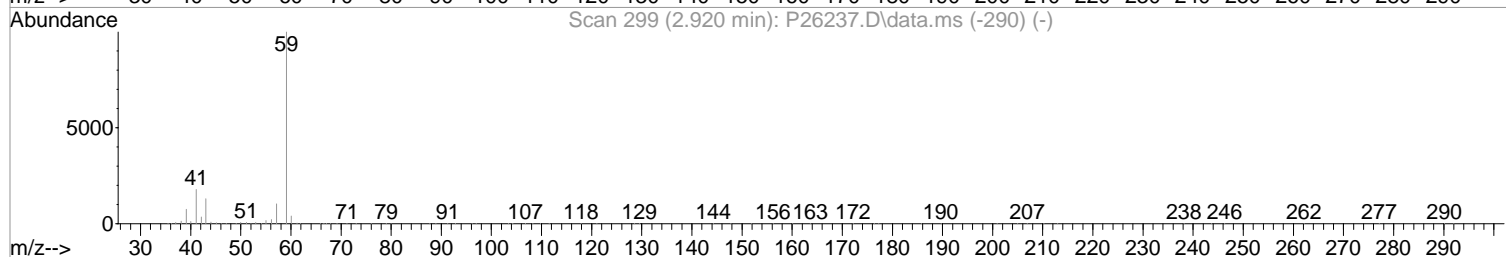
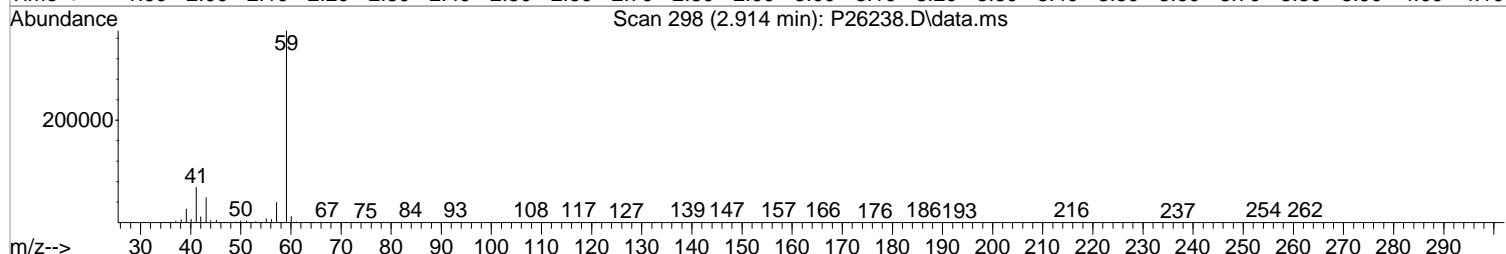
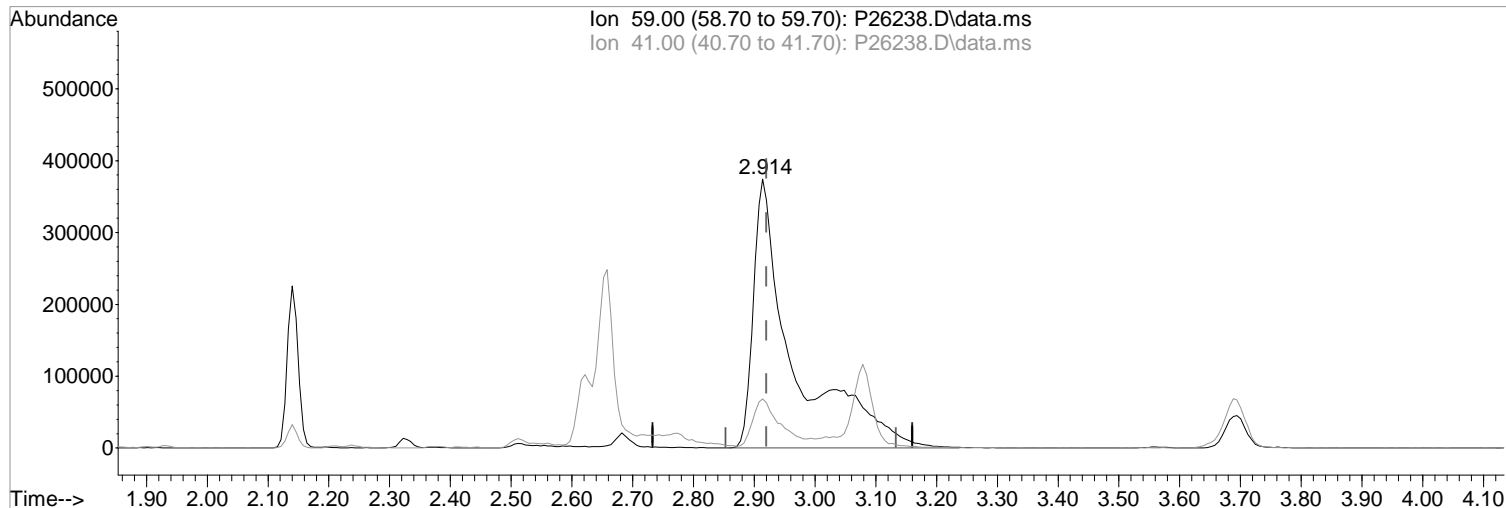
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	21.67
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(23) TBA

2.914min (-0.006) 2166.30 ppb m

response 1718122

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

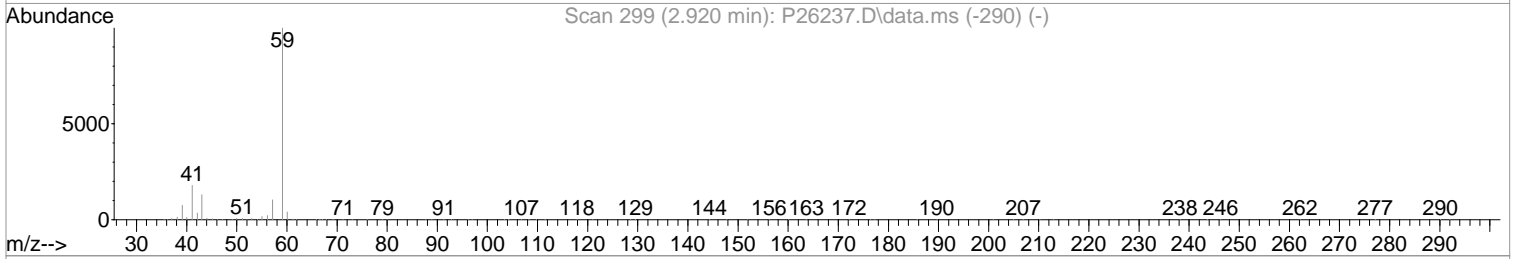
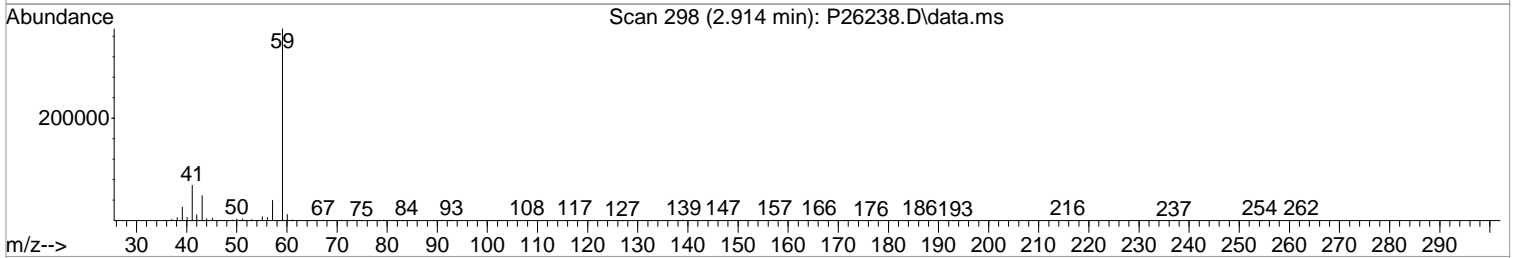
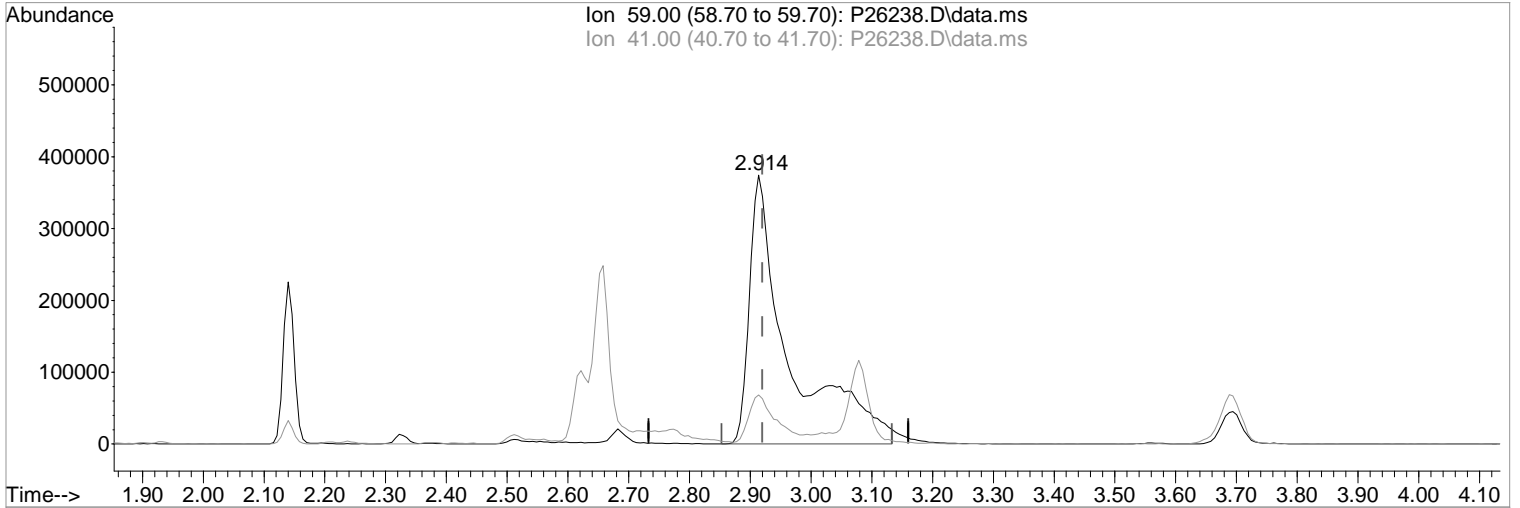
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(23) TBA

Manual Integration:

2.914min (-0.006) 2121.56 ppb

Before

response 1682642

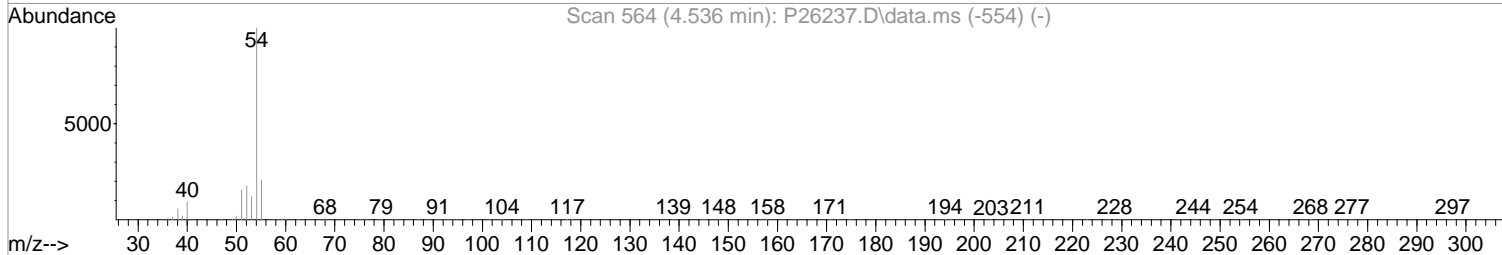
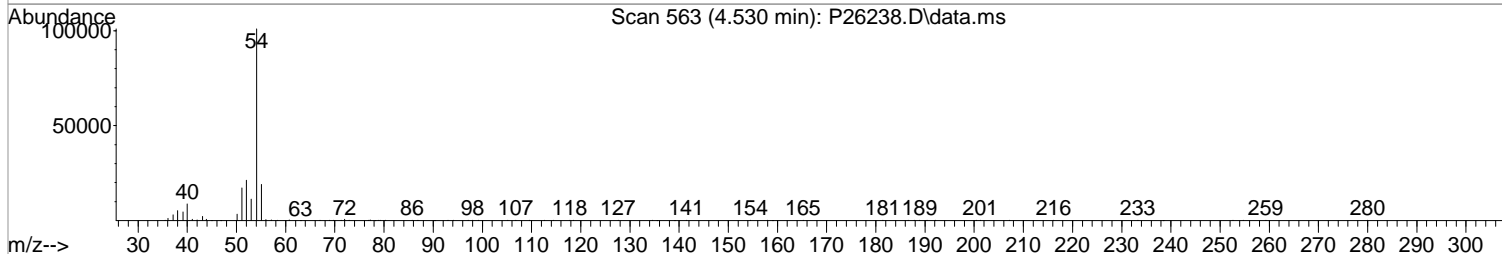
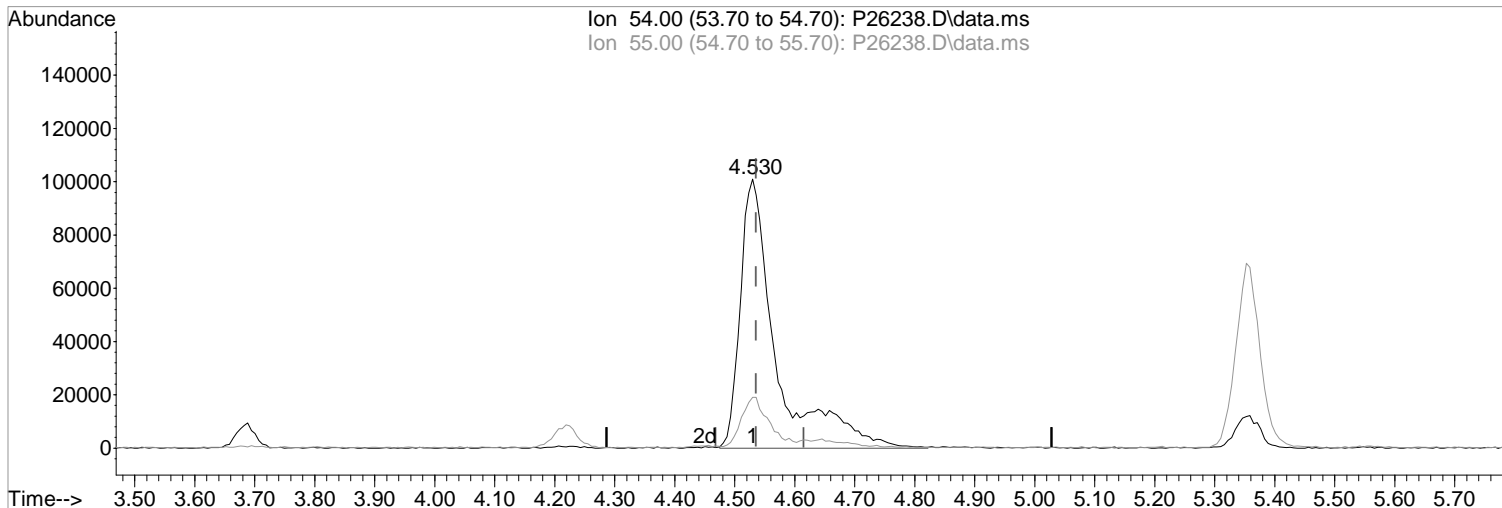
Ion	Exp%	Act%
59.00	100	100
41.00	18.20	18.24
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(36) Propionitrile
4.530min (-0.006) 513.19 ppb m
response 420510

Manual Integration:
After
Poor integration.

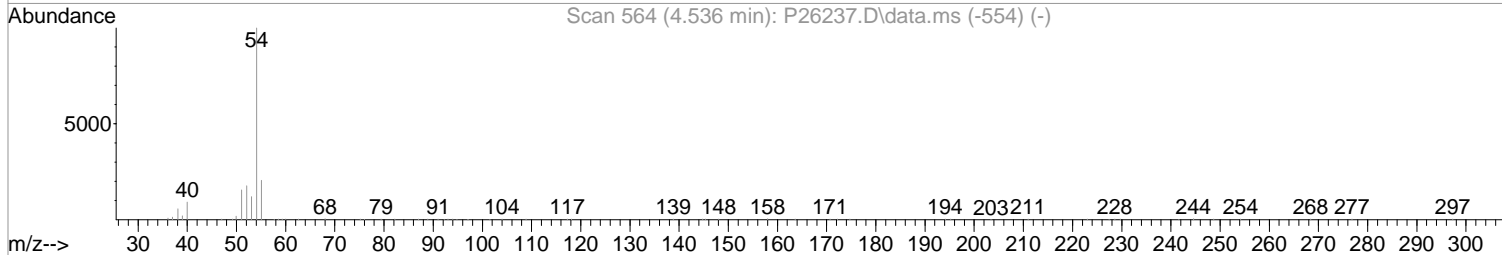
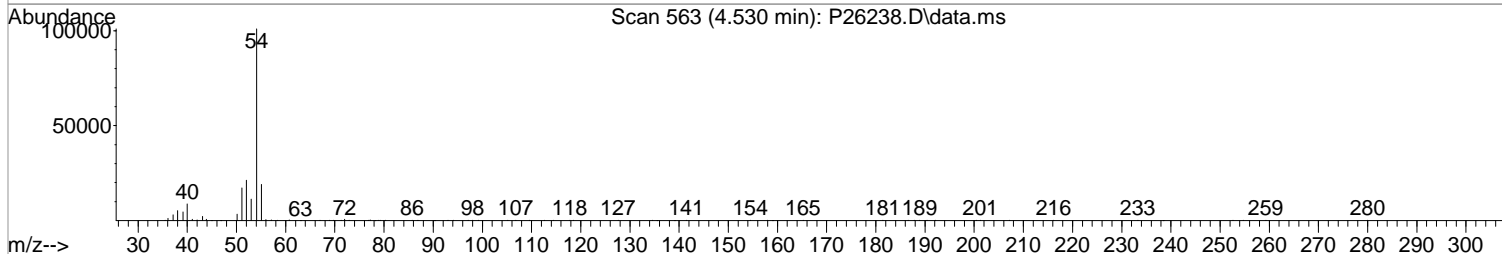
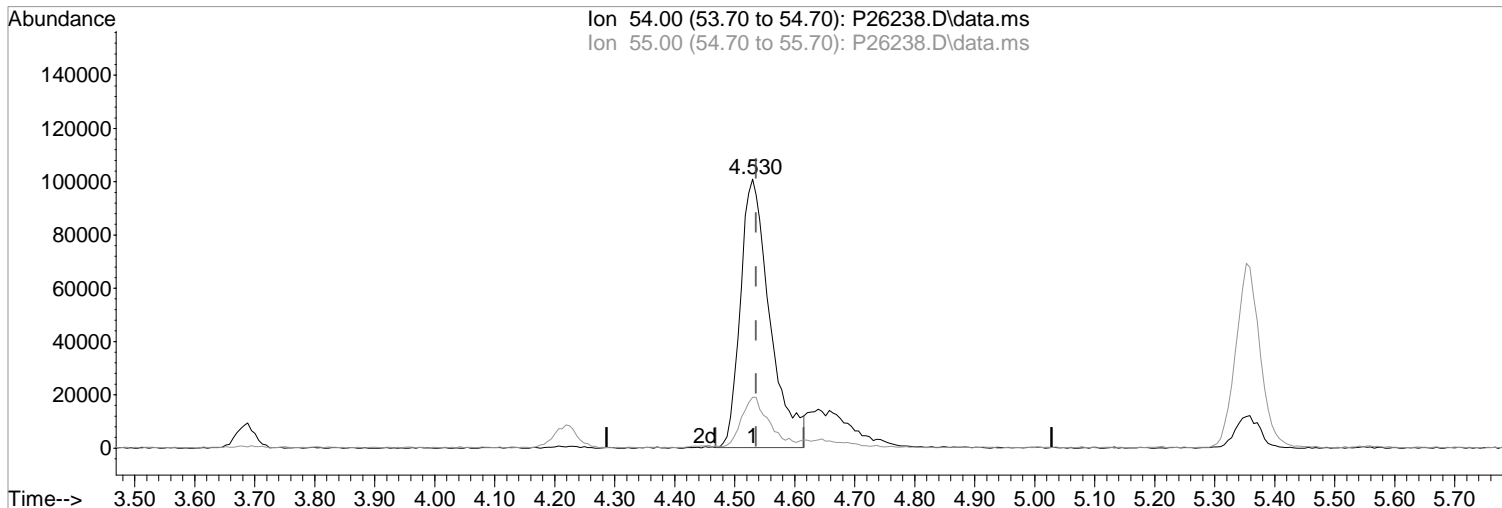
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26238.D\data.ms

(36) Propionitrile
4.530min (-0.006) 419.24 ppb
response 343526

Manual Integration:
Before

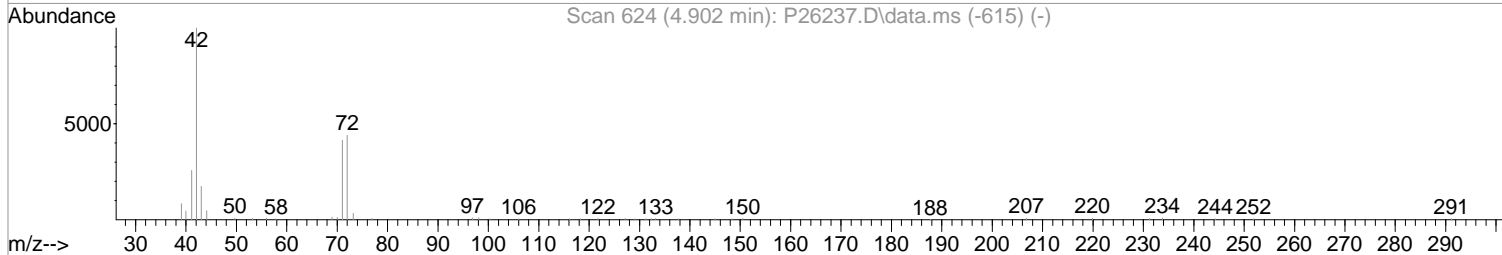
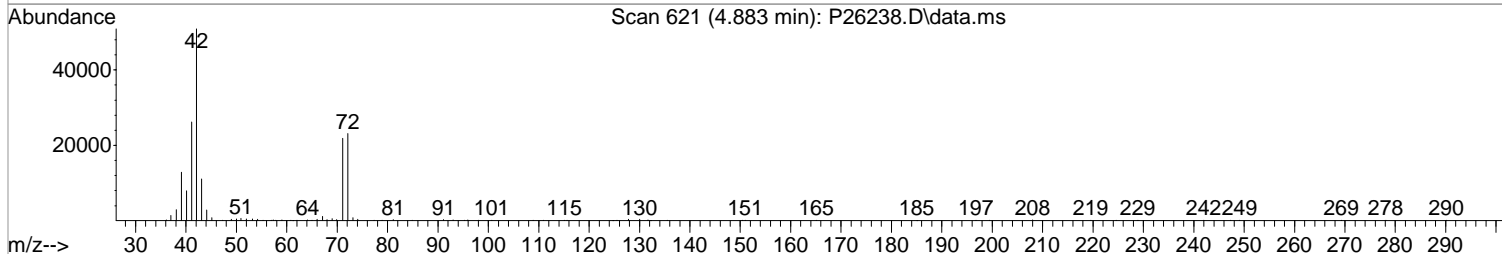
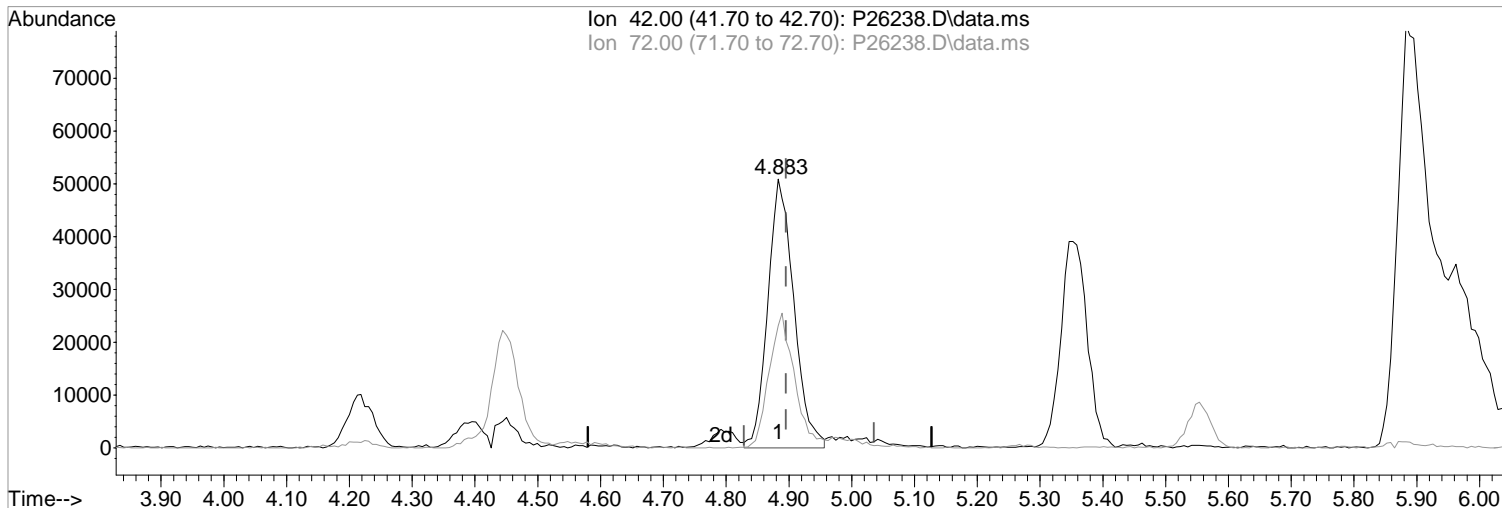
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	18.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.883min (-0.012) 93.50 ppb m
response 146028

Manual Integration:

After

Poor integration.

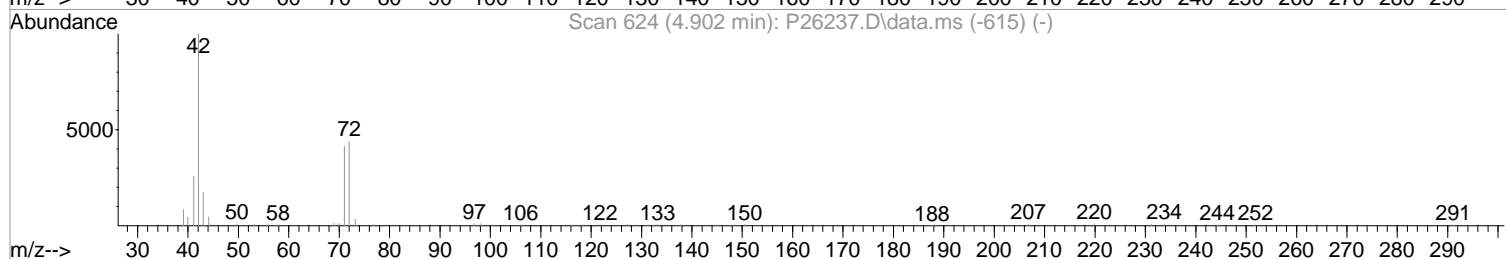
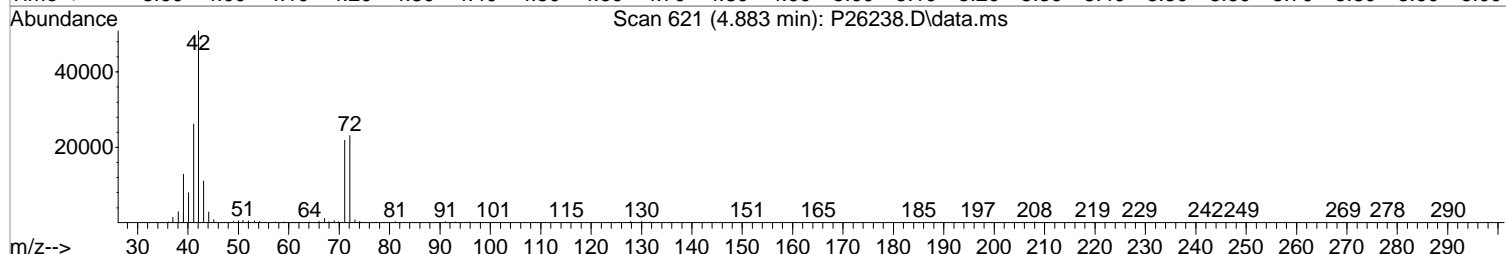
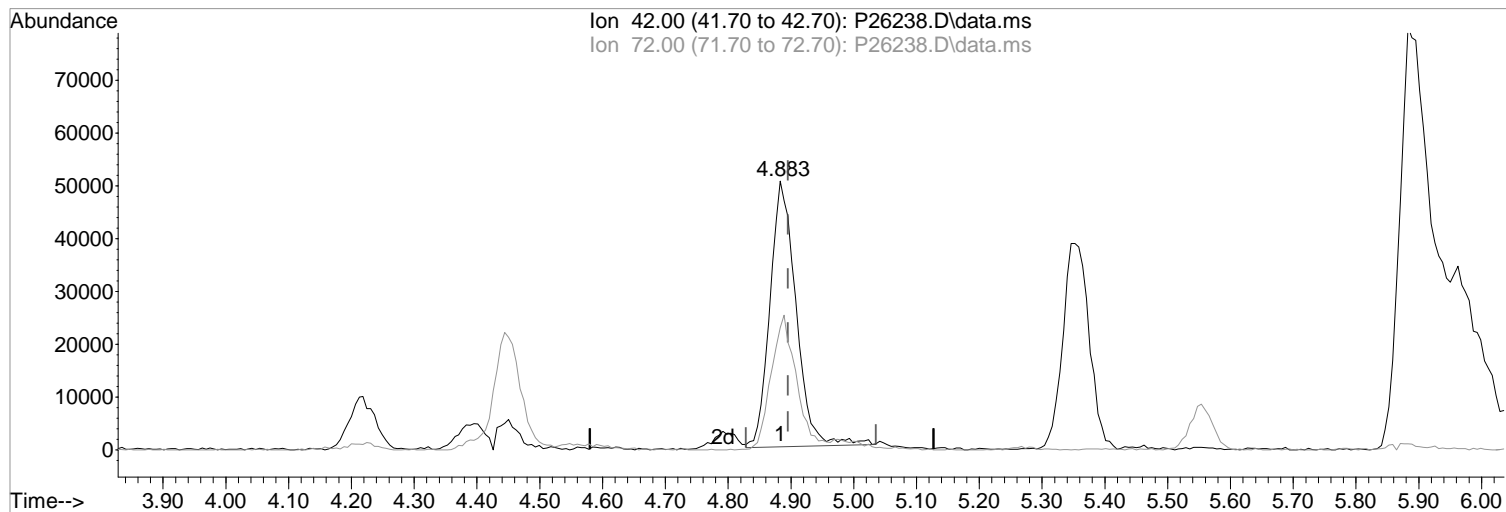
05/01/19

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Misc : 8260/624 ICAL
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:55 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran

Manual Integration:

4.883min (-0.012) 92.81 ppb

Before

response 144947

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	45.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.401	168	415332	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.486	114	569847	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	524990	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	342851	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	330049	100.74	ppb	-0.01	
Spiked Amount	50.000	Range 89 - 119	Recovery	=	201.48%#		
48) surr1,1,2-dichloroetha...	5.785	65	347222	97.14	ppb	-0.01	
Spiked Amount	50.000	Range 73 - 125	Recovery	=	194.28%#		
65) SURR3,Toluene-d8	8.297	98	1325620	97.46	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery	=	194.92%#		
70) SURR2,BFB	10.864	95	522021	98.21	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery	=	196.42%#		
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	386150	98.73	ppb		99
3) Chloromethane	1.329	50	338516	95.30	ppb		97
4) Vinyl Chloride	1.402	62	431647	98.87	ppb		99
5) Bromomethane	1.634	94	360295	82.61	ppb		100
6) Chloroethane	1.707	64	336086	93.59	ppb		99
7) Freon 21	1.853	67	644096	102.34	ppb		100
8) Trichlorofluoromethane	1.902	101	562485	103.61	ppb		97
9) Diethyl Ether	2.140	59	283352	90.06	ppb		95
10) Freon 123a	2.140	67	350871	90.95	ppb		94
11) Freon 123	2.195	83	412578	91.56	ppb		98
12) Acrolein	2.237	56	347922	465.52	ppb		97
13) 1,1-Diclcethene	2.329	96	310474	89.90	ppb		97
14) Freon 113	2.329	101	289647	94.73	ppb		91
15) Acetone	2.371	43	148478	89.10	ppb		98
16) 2-Propanol	2.512	45	953242m	2213.99	ppb		
17) Iodomethane	2.457	142	488332	127.06	ppb		99
18) Carbon Disulfide	2.518	76	805430	96.82	ppb		98
19) Acetonitrile	2.621	40	90669	467.44	ppb		85
20) Allyl Chloride	2.658	76	145982	80.80	ppb		96
21) Methyl Acetate	2.682	43	382775	106.48	ppb		95
22) Methylene Chloride	2.774	84	341153	88.18	ppb		97
23) TBA	2.914	59	1718122m	2166.30	ppb		
24) Acrylonitrile	3.030	53	876856	483.98	ppb		98
25) Methyl-t-Butyl Ether	3.079	73	1203902	95.98	ppb		100
26) trans-1,2-Dichloroethene	3.066	96	363180	95.91	ppb		96
28) 1,1-Diclcethane	3.560	63	590286	95.35	ppb		99
29) Vinyl Acetate	3.658	86	92617	119.75	ppb	#	92
30) DIPE	3.694	45	892736	92.08	ppb		97
31) 2-Chloro-1,3-Butadiene	3.688	53	426550	91.56	ppb		96
32) ETBE	4.219	59	985444	92.10	ppb		99
33) 2,2-Dichloropropane	4.389	77	554576	97.88	ppb		98
34) cis-1,2-Dichloroethene	4.402	96	408079	91.21	ppb		90
35) 2-Butanone	4.450	43	214845	93.56	ppb		98
36) Propionitrile	4.530	54	420510m	513.19	ppb		
37) Bromochloromethane	4.798	130	299144	99.63	ppb		92
38) Methacrylonitrile	4.798	67	204977	91.22	ppb		100
39) Tetrahydrofuran	4.883	42	146028m	93.50	ppb		
40) Chloroform	4.975	83	603537	91.85	ppb		99
41) 1,1,1-Trichloroethane	5.267	97	585394	95.59	ppb		97

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.108	73	1060632	94.22	ppb	98
44) Cyclohexane	5.353	41	279041	90.88	ppb	97
46) Carbontetrachloride	5.542	117	516250	104.21	ppb	97
47) 1,1-Dichloropropene	5.554	75	449746	98.04	ppb	99
49) Benzene	5.871	78	1420804	96.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	493096	94.21	ppb	97
51) Iso-Butyl Alcohol	5.895	43	680168	2143.43	ppb	92
52) n-Heptane	6.358	43	378514	96.39	ppb	96
53) 1-Butanol	6.846	56	1202499	5555.76	ppb	100
54) Trichloroethene	6.810	130	462479	100.78	ppb	98
55) Methylcyclohexane	7.053	55	406273	94.79	ppb	88
56) 1,2-Diclpropane	7.090	63	347062	98.01	ppb	93
57) Dibromomethane	7.230	93	257087	103.11	ppb	97
58) 1,4-Dioxane	7.309	88	203194	2109.42	ppb	99
59) Methyl Methacrylate	7.322	69	350027	100.03	ppb	89
60) Bromodichloromethane	7.456	83	479750	97.63	ppb	97
61) 2-Nitropropane	7.742	41	276427	217.27	ppb	96
62) 2-Chloroethylvinyl Ether	7.864	63	261696	104.16	ppb	96
63) cis-1,3-Dichloropropene	8.004	75	619817	97.74	ppb	95
64) 4-Methyl-2-pentanone	8.206	43	451080	100.86	ppb	98
66) Toluene	8.370	91	1657946	99.27	ppb	98
67) trans-1,3-Dichloropropene	8.638	75	588239	103.82	ppb	100
68) Ethyl Methacrylate	8.785	69	610742	100.44	ppb	96
69) 1,1,2-Trichloroethane	8.827	97	391028	97.68	ppb	97
72) Tetrachloroethene	8.968	164	392615	104.02	ppb	99
73) 2-Hexanone	9.120	43	352719	100.04	ppb	98
74) 1,3-Dichloropropane	8.998	76	619967	97.69	ppb	98
75) Dibromochloromethane	9.224	129	477050	103.69	ppb	96
76) N-Butyl Acetate	9.273	43	669595	99.58	ppb	96
77) 1,2-Dibromoethane	9.321	107	432867	102.14	ppb	97
78) Chlorobenzene	9.815	112	1165538	100.99	ppb	97
79) 3-CBTF	9.833	180	682029	102.91	ppb	96
80) 4-CBTF	9.888	180	591447	98.36	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.900	131	447440	99.92	ppb	97
82) Ethylbenzene	9.937	106	631292	101.18	ppb	93
83) (m+p)Xylene	10.047	106	1580407	204.57	ppb	100
84) o-Xylene	10.406	106	791061	101.13	ppb	94
85) Styrene	10.419	104	1306702	106.89	ppb	99
87) Bromoform	10.571	173	418679	105.30	ppb	100
88) 2-CBTF	10.650	180	706668	93.68	ppb	97
89) Isopropylbenzene	10.742	105	1933207	89.65	ppb	97
90) Cyclohexanone	10.809	55	2012430	1870.44	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	155475	87.37	ppb	94
92) 1,1,2,2-Tetrachloroethane	10.998	83	583904	89.61	ppb	99
93) Bromobenzene	10.986	156	622113	95.68	ppb	96
94) 1,2,3-Trichloropropane	11.028	110	224956	91.97	ppb	97
95) n-Propylbenzene	11.095	91	2088318	89.31	ppb	97
96) 2-Chlorotoluene	11.162	91	1305380	89.76	ppb	99
97) 3-Chlorotoluene	11.211	91	1206570	87.80	ppb	99
98) 4-Chlorotoluene	11.254	91	1510979	90.88	ppb	97
99) 1,3,5-Trimethylbenzene	11.248	105	1677287	92.60	ppb	100
100) tert-Butylbenzene	11.522	119	1562209	94.40	ppb	97
101) 1,2,4-Trimethylbenzene	11.559	105	1689152	93.77	ppb	99
102) 3,4-DCBTF	11.626	214	643043	99.95	ppb	98
103) sec-Butylbenzene	11.705	105	2117253	91.42	ppb	100
104) p-Isopropyltoluene	11.827	119	1916732	95.15	ppb	98

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26238.D
 Acq On : 1 May 2019 2:58 pm
 Operator : K.Ruest
 Sample : 100ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 7 Sample Multiplier: 1

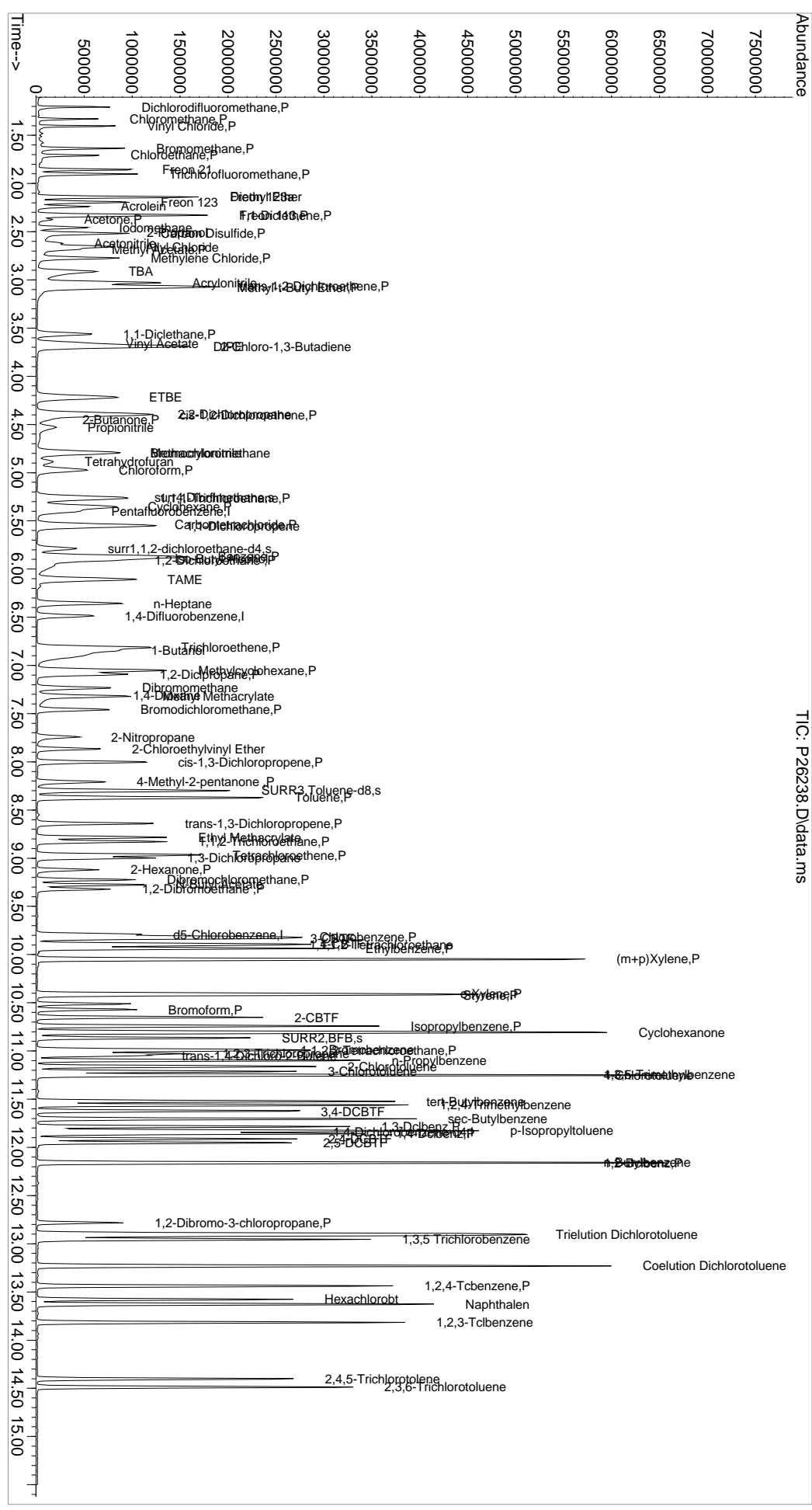
Quant Time: May 01 17:51:17 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1121880	96.62	ppb	99
106) 1,4-Dclbenz	11.857	146	1141785	96.13	ppb	97
107) 2,4-DCBTF	11.912	214	590879	101.97	ppb	98
108) 2,5-DCBTF	11.955	214	655945	101.83	ppb	98
109) n-Butylbenzene	12.156	91	1554972	92.78	ppb	99
110) 1,2-Dclbenz	12.162	146	1123476	97.13	ppb	97
111) 1,2-Dibromo-3-chloropr...	12.784	157	239271	103.55	ppb	99
112) Trielution Dichlorotol...	12.900	125	2733197	281.39	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	906525	98.67	ppb	99
114) Coelution Dichlorotoluene	13.229	125	2035206	187.80	ppb	99
115) 1,2,4-Tcbenzene	13.436	180	1014016	105.17	ppb	98
116) Hexachlorobt	13.577	225	425443	102.14	ppb	97
117) Naphthalen	13.625	128	2732682	97.86	ppb	99
118) 1,2,3-Tclbenzene	13.814	180	1030928	100.89	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	617627	99.86	ppb	99
120) 2,3,6-Trichlorotoluene	14.485	159	724623	99.81	ppb	99

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

1st 05/01/19
Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26238.D
Acq On : 1 May 2019 2:58 pm
Operator : K.Ruest
Sample : 100ppb
Disc : 8260/624 ICAL
PALS Vial : 7 Sample Multiplier: 1
Inst : MSVOA-12

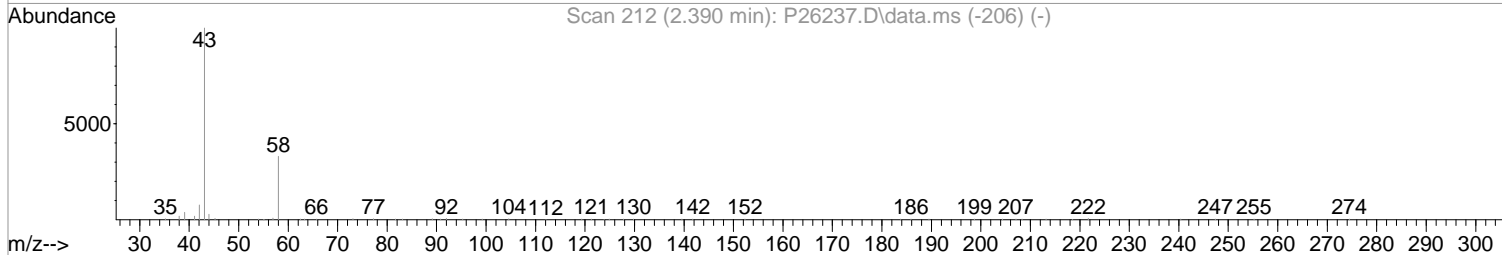
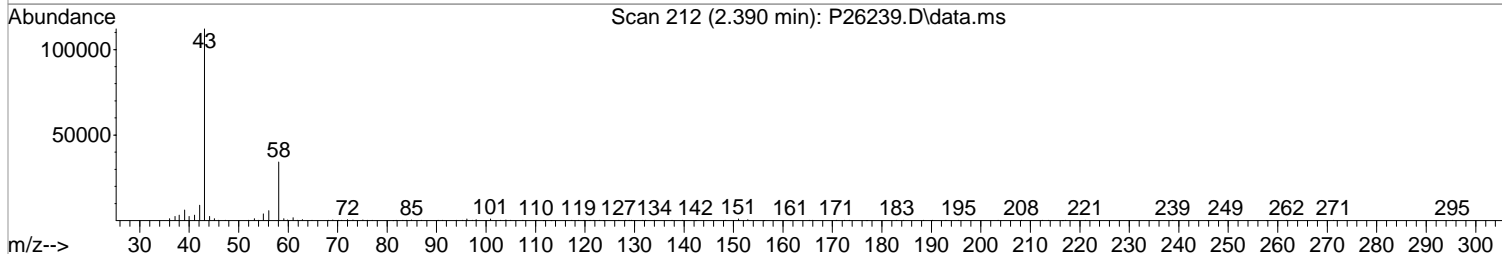
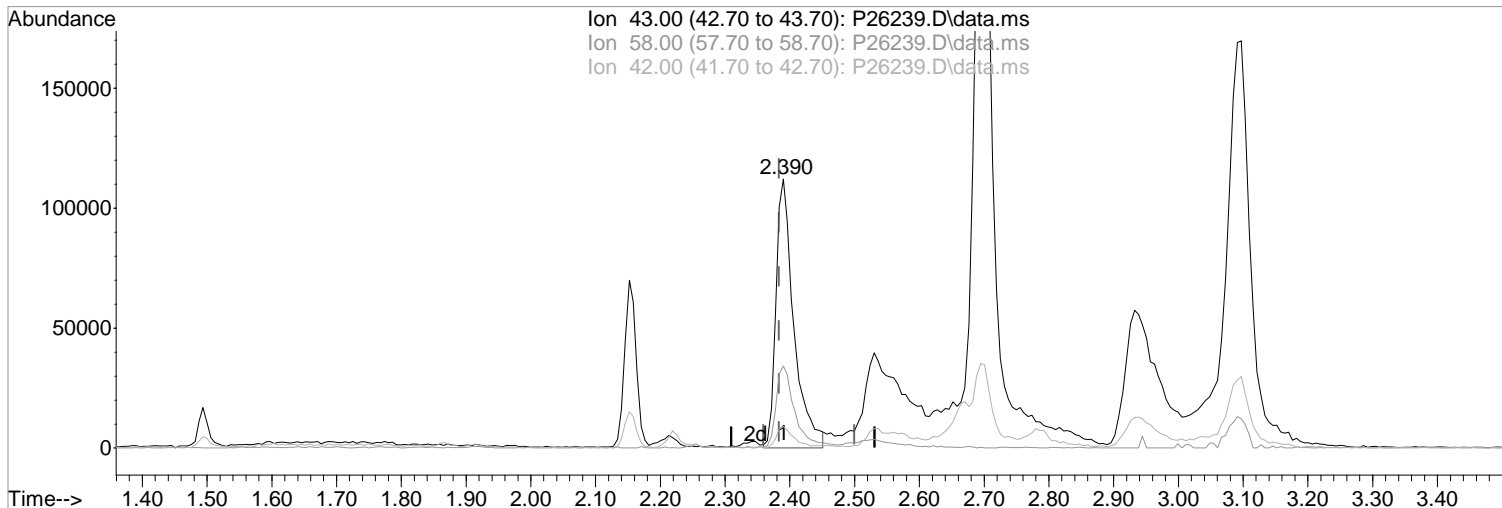
Quant Time: May 01 17:51:17 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10mL Purge
QIast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 121.19 ppb m
response 214264

Manual Integration:

After

Poor integration.

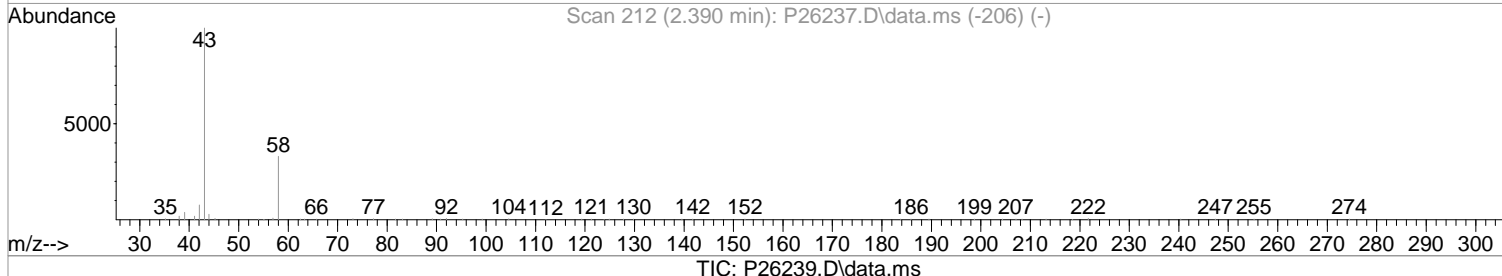
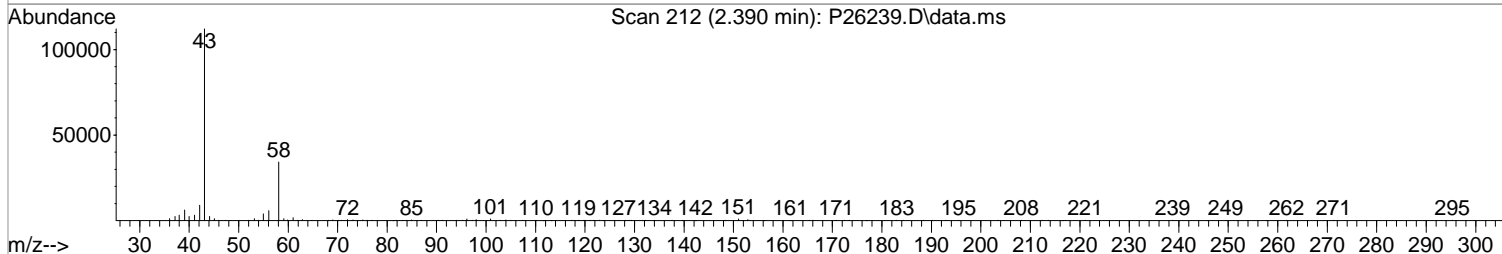
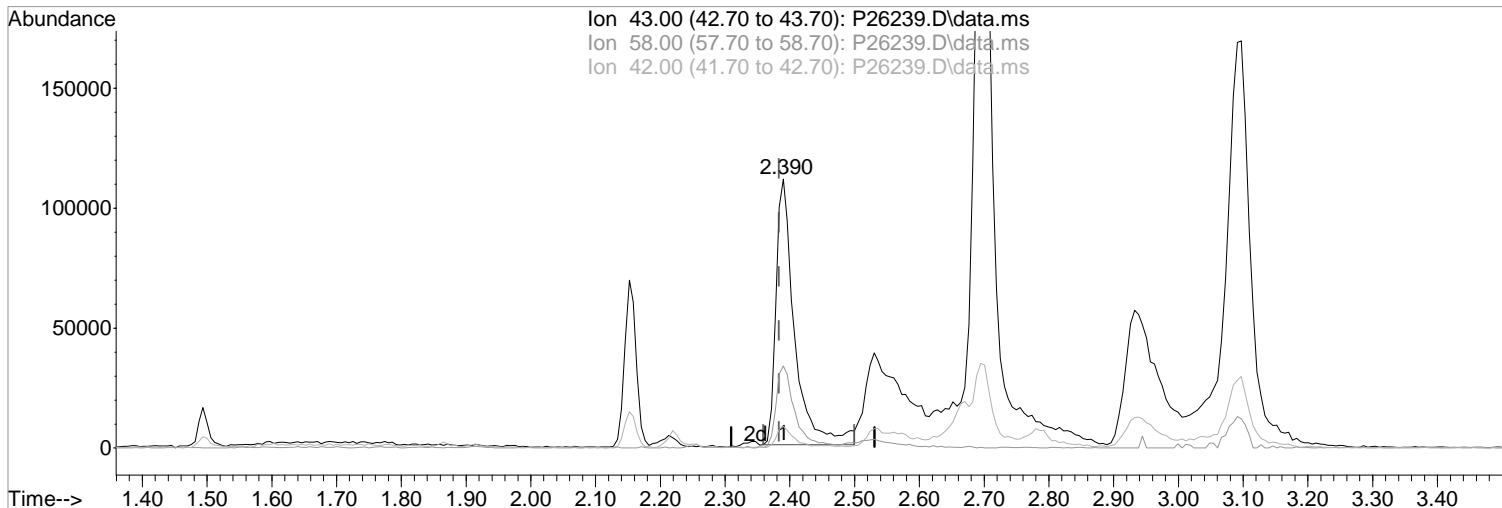
05/01/19

Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(15) Acetone (P)
2.390min (+0.006) 124.87 ppb
response 220779

Manual Integration:

Before

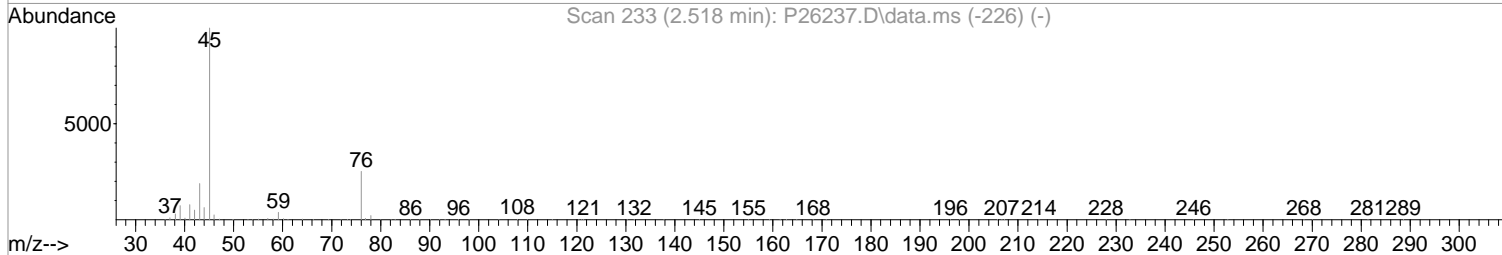
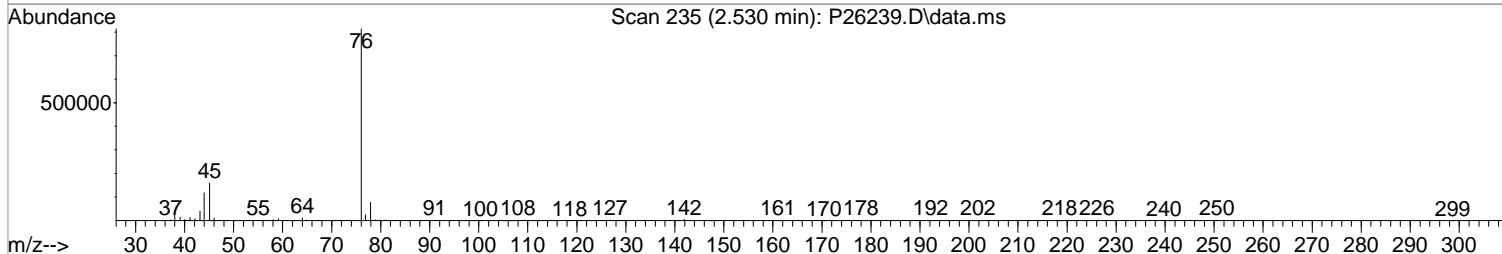
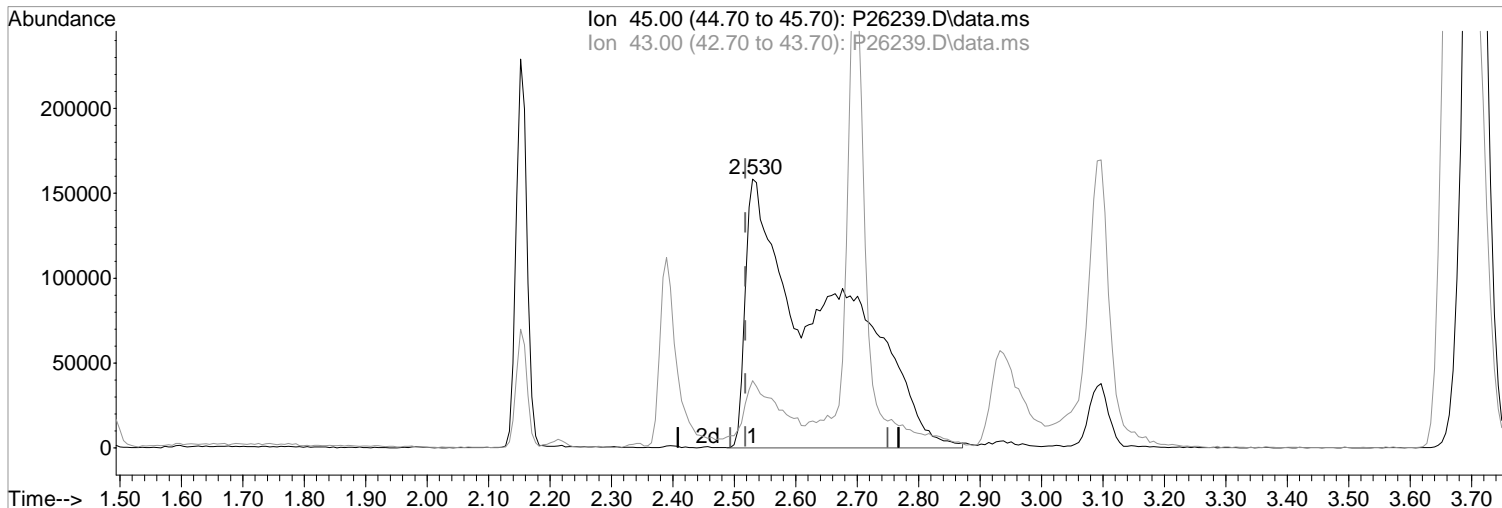
Ion	Exp%	Act%
43.00	100	100
58.00	33.10	30.51
42.00	8.30	8.03
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.530min (+0.012) 3212.71 ppb m
response 1467659

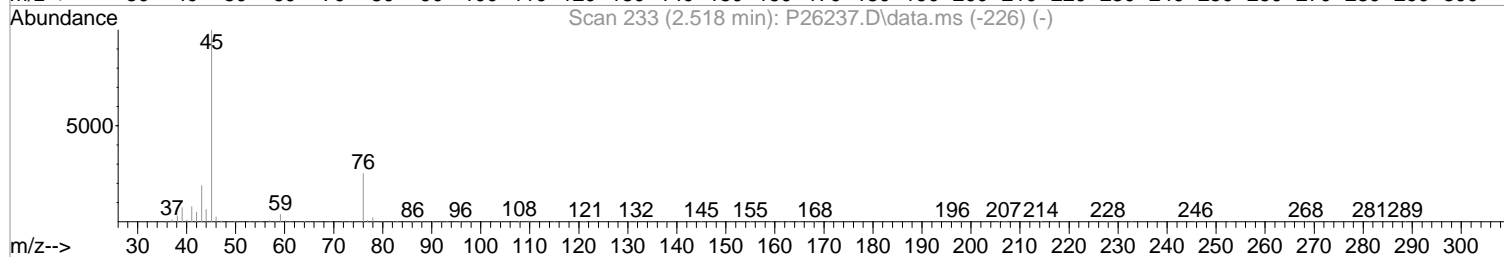
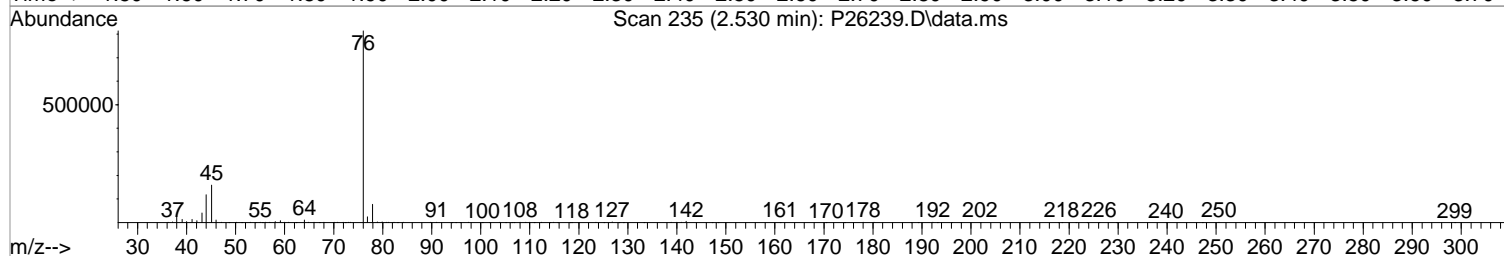
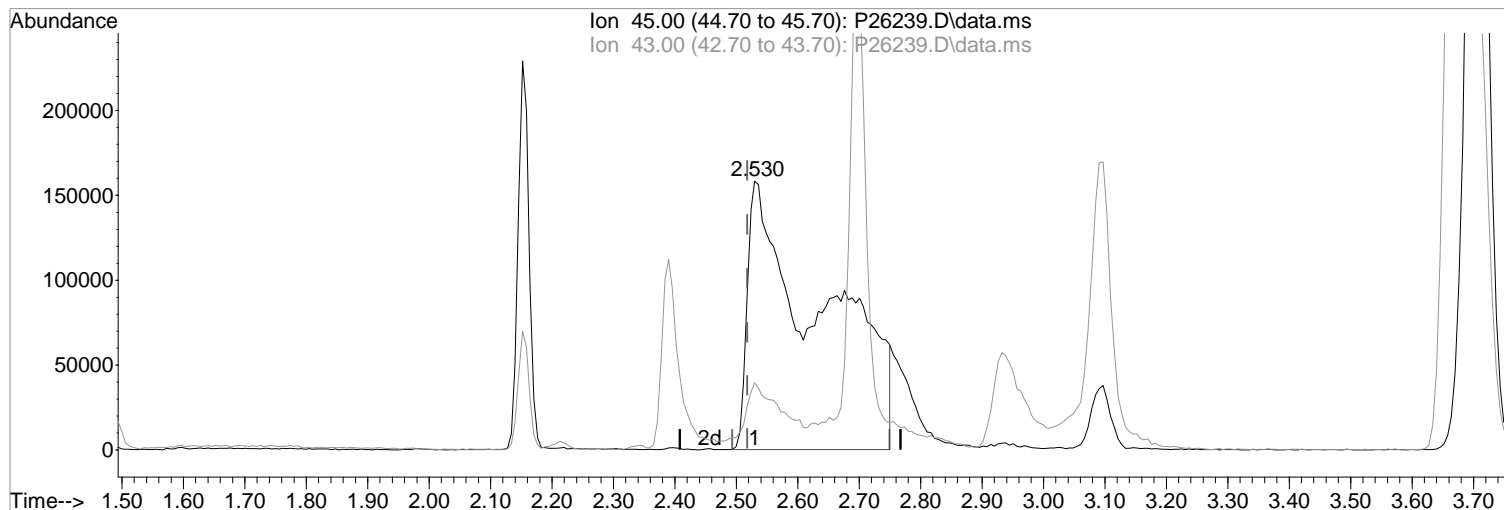
Manual Integration:
After
Poor integration.
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.530min (+0.012) 2895.82 ppb
response 1322898

Manual Integration:
Before

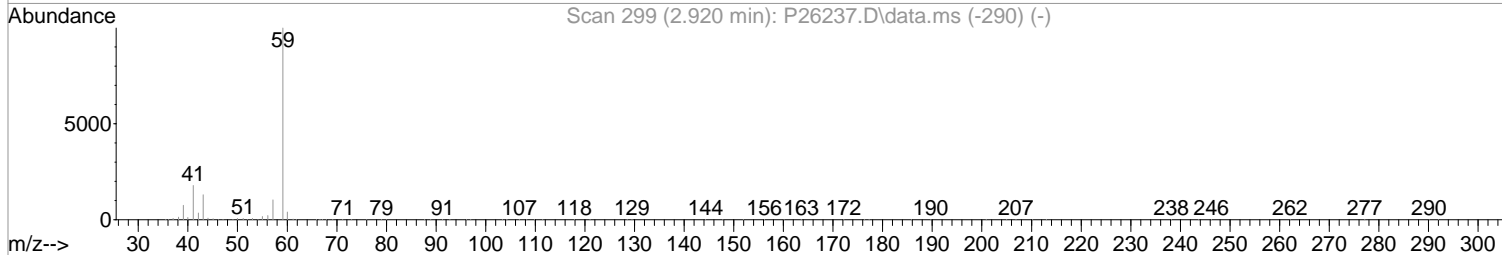
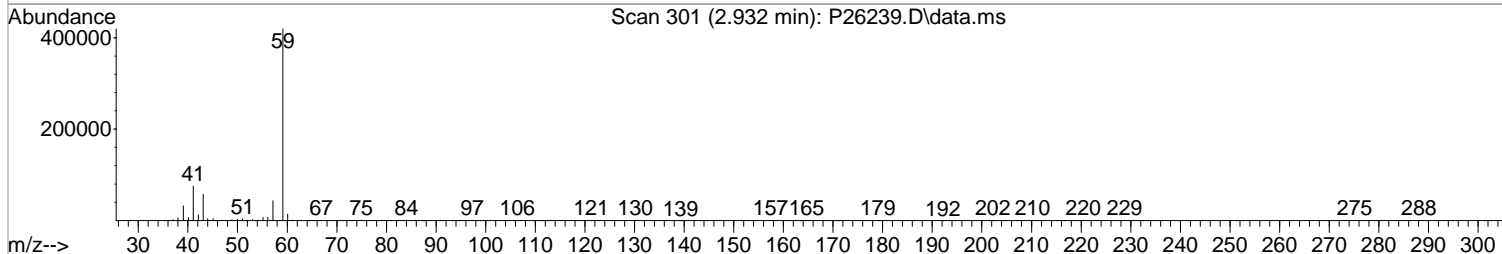
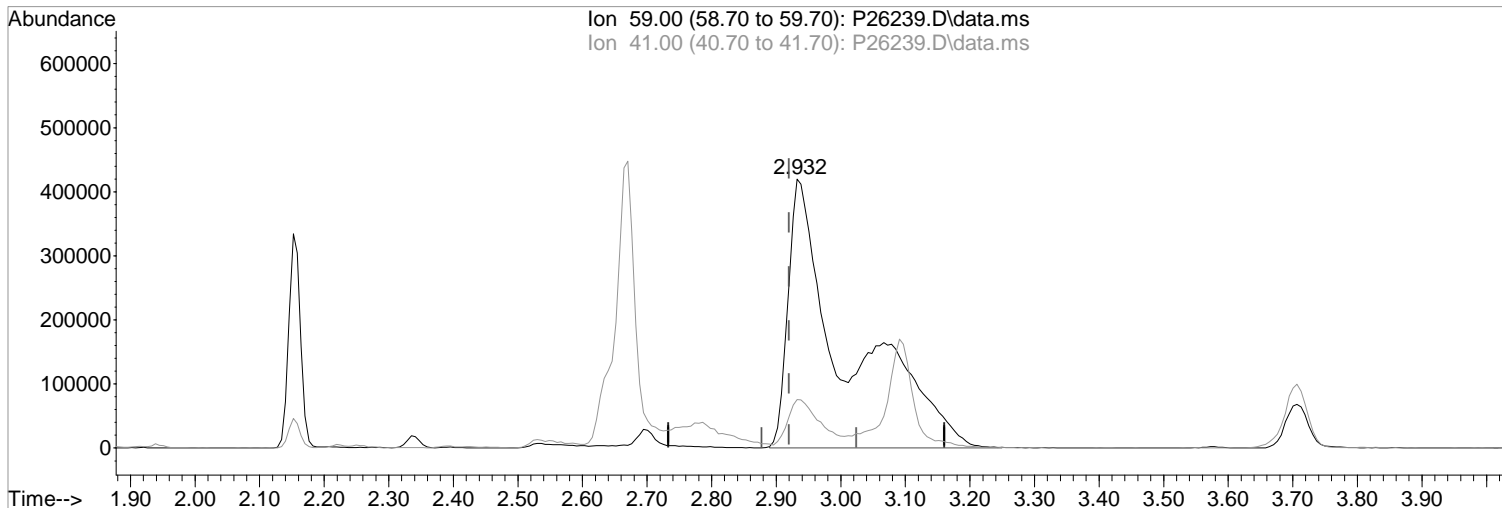
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	25.08
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(23) TBA
2.932min (+0.012) 3109.97 ppb m
response 2617087

Manual Integration:

After

Poor integration.

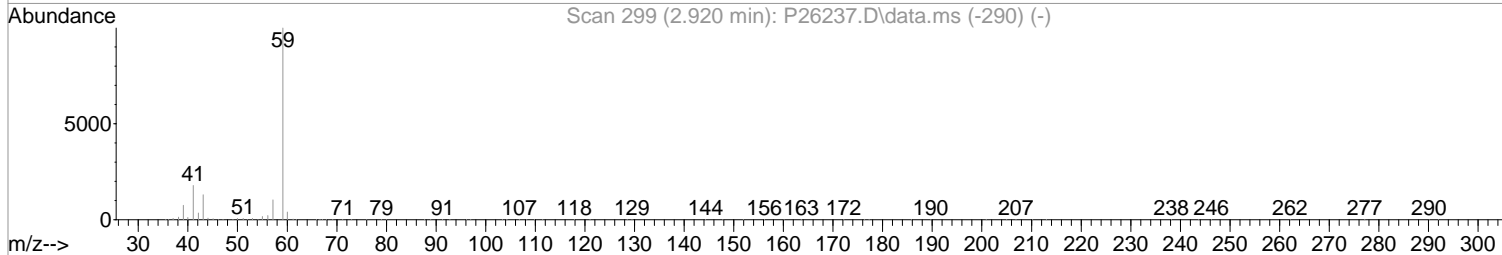
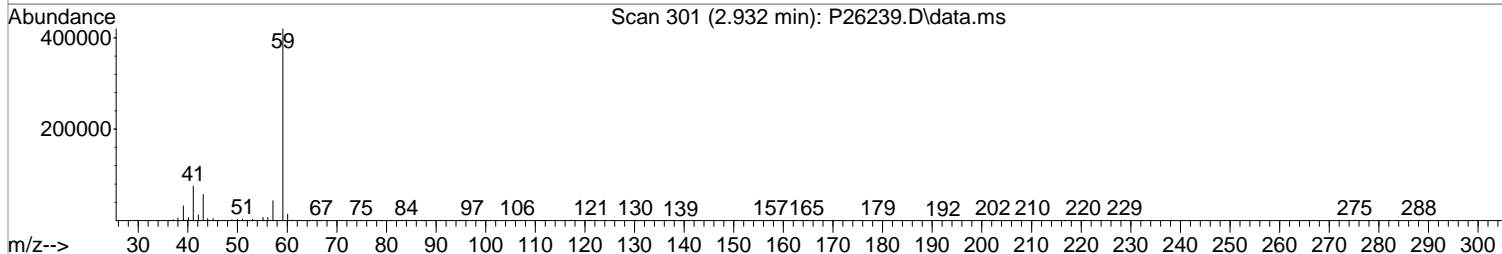
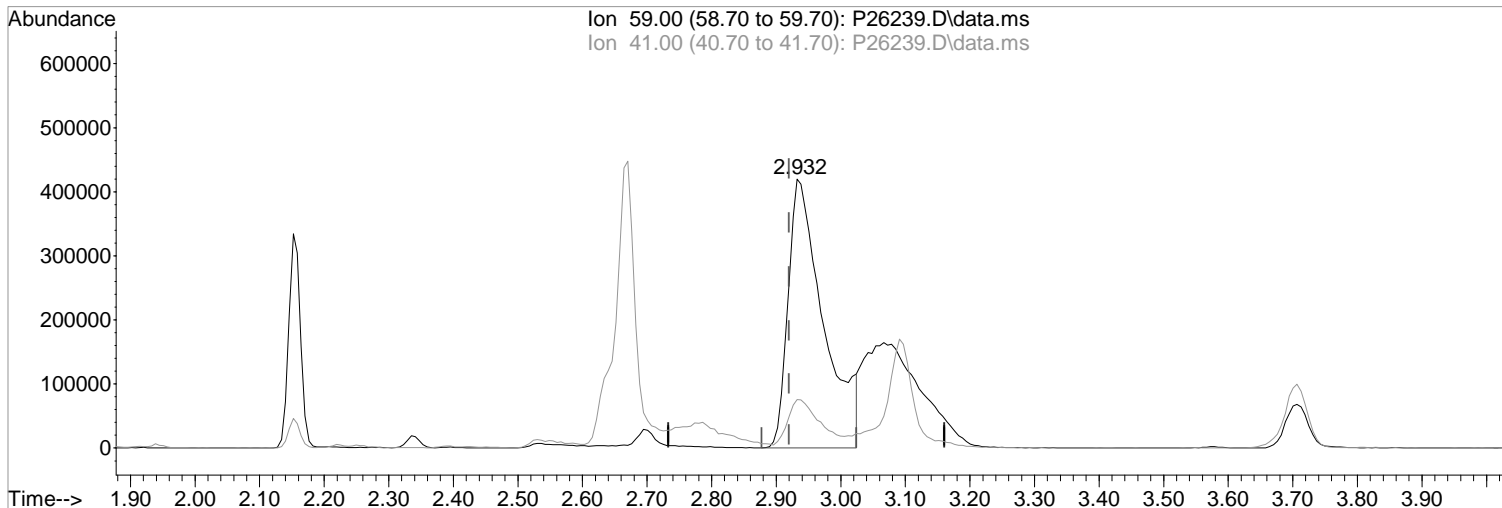
05/01/19

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(23) TBA

2.932min (+0.012) 1886.88 ppb

response 1587840

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.97
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

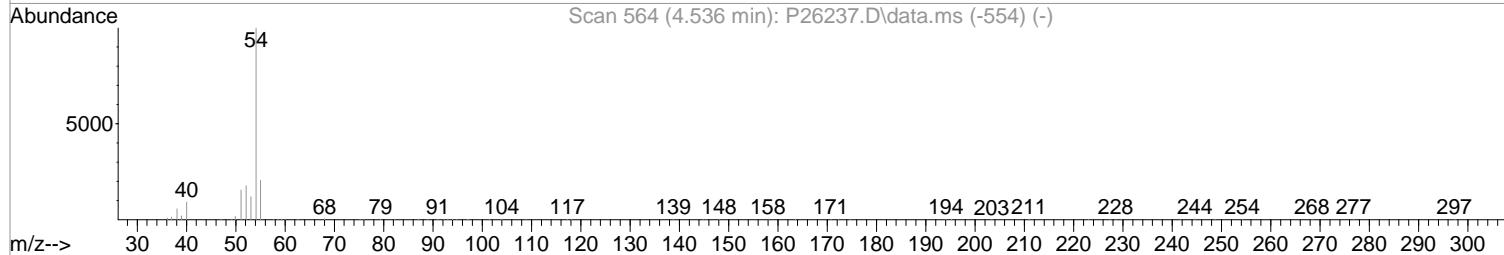
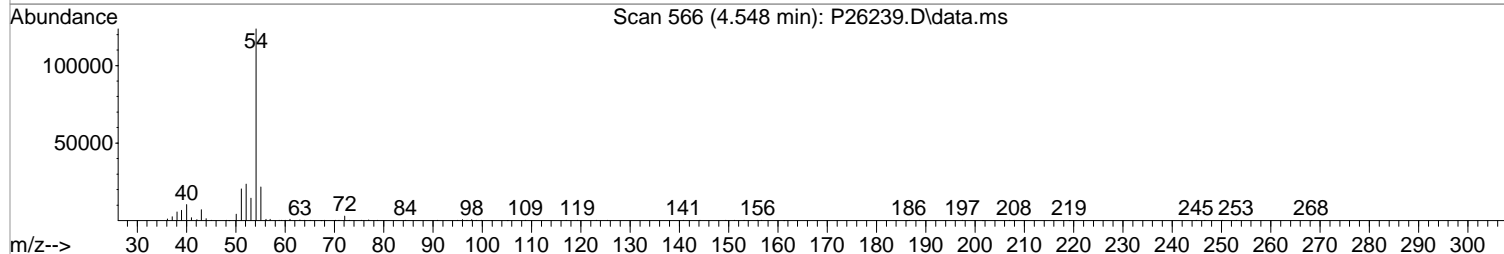
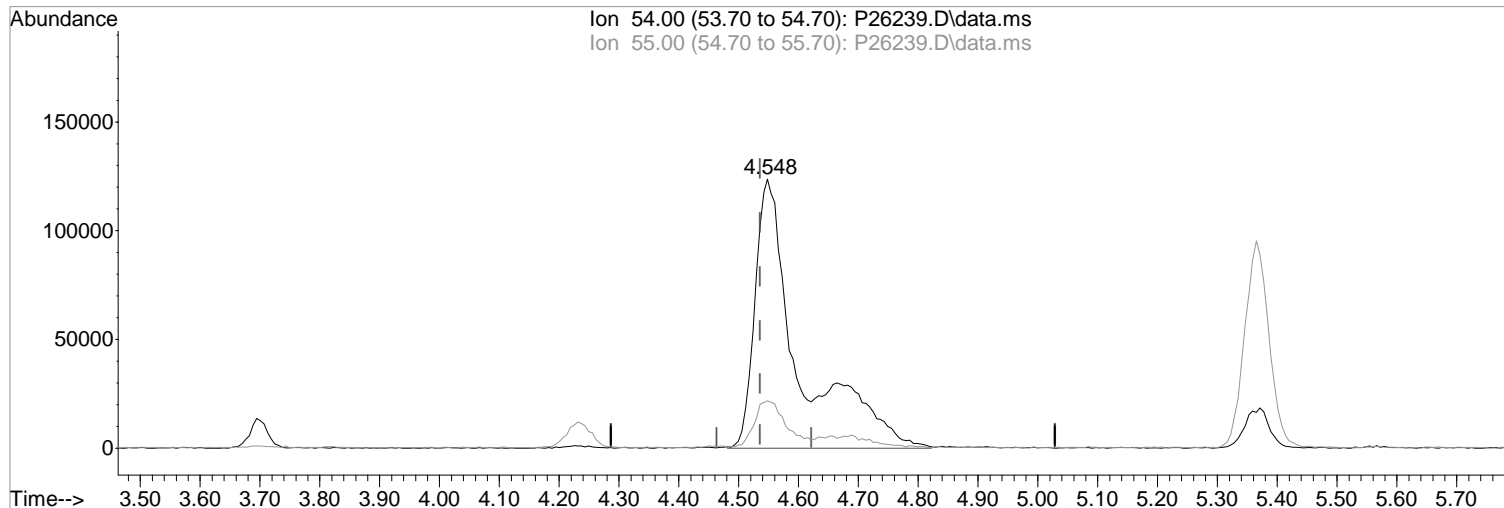
Before

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(36) Propionitrile
4.548min (+0.012) 727.93 ppb m
response 632876

Manual Integration:

After

Poor integration.

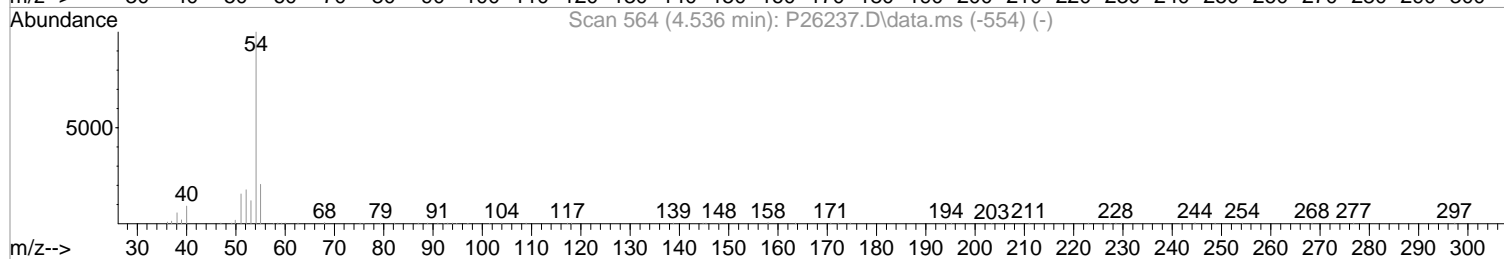
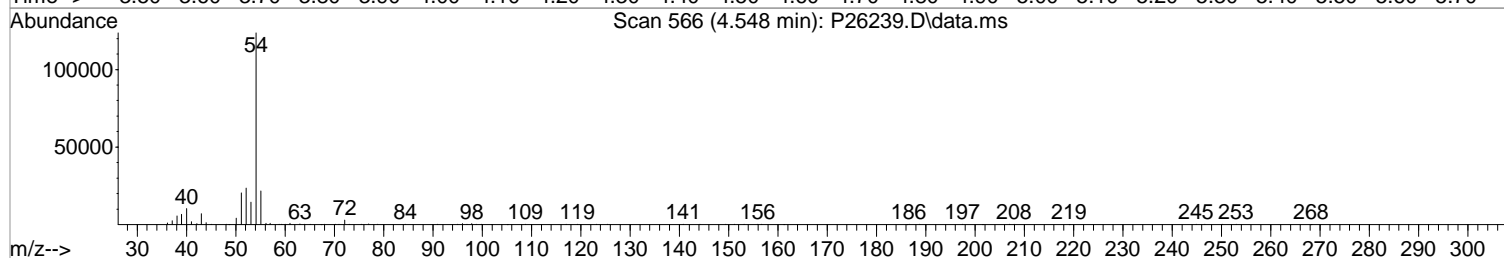
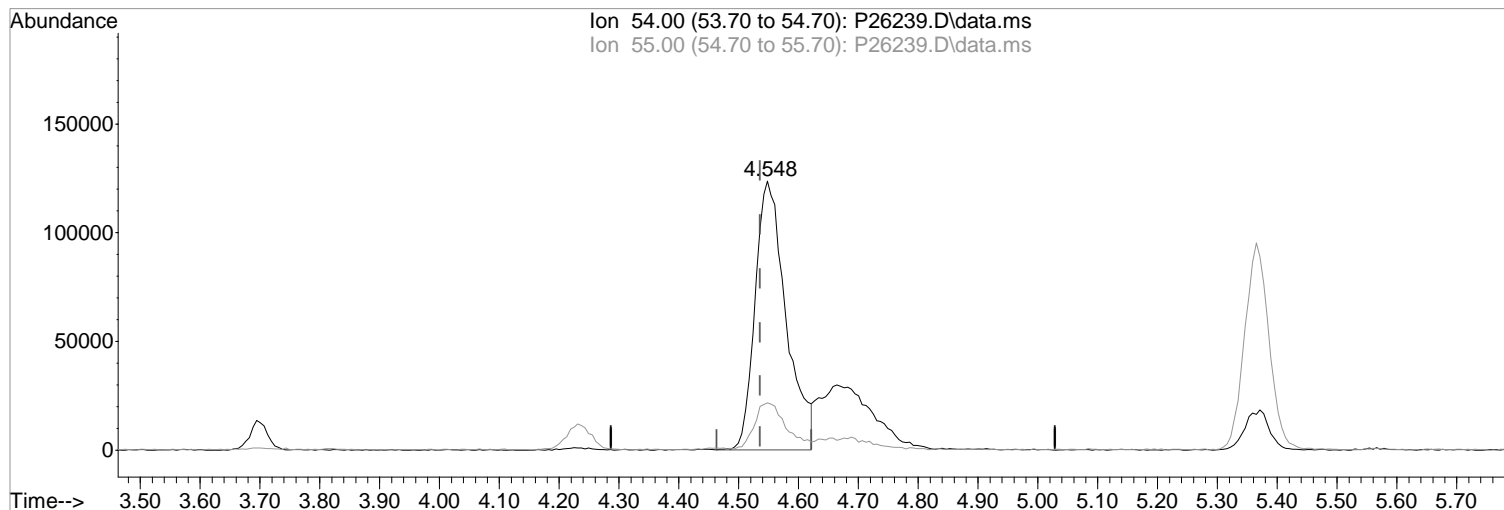
05/01/19

Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(36) Propionitrile
4.548min (+0.012) 511.36 ppb
response 444588

Manual Integration:
Before

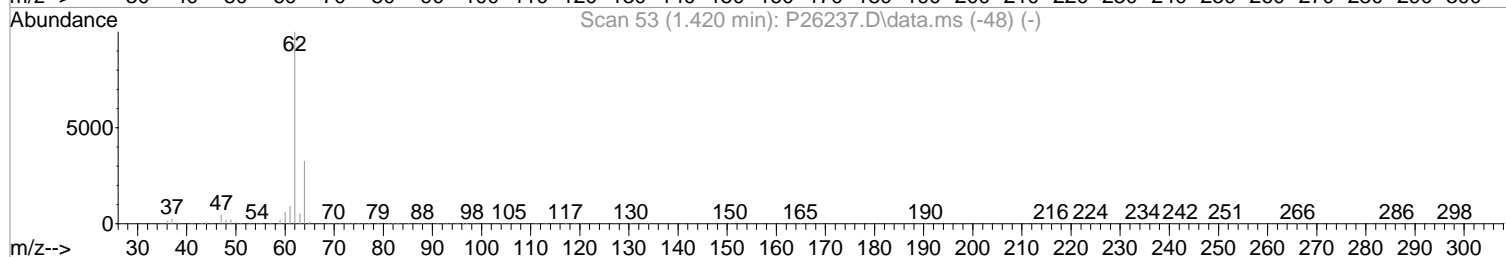
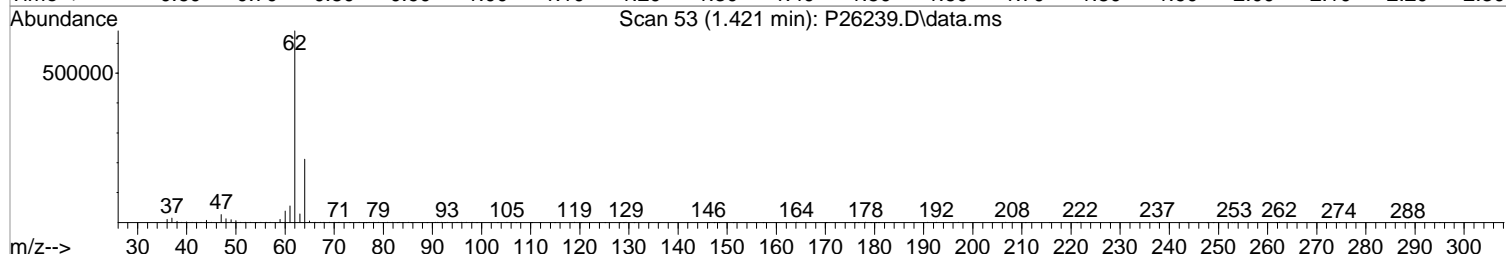
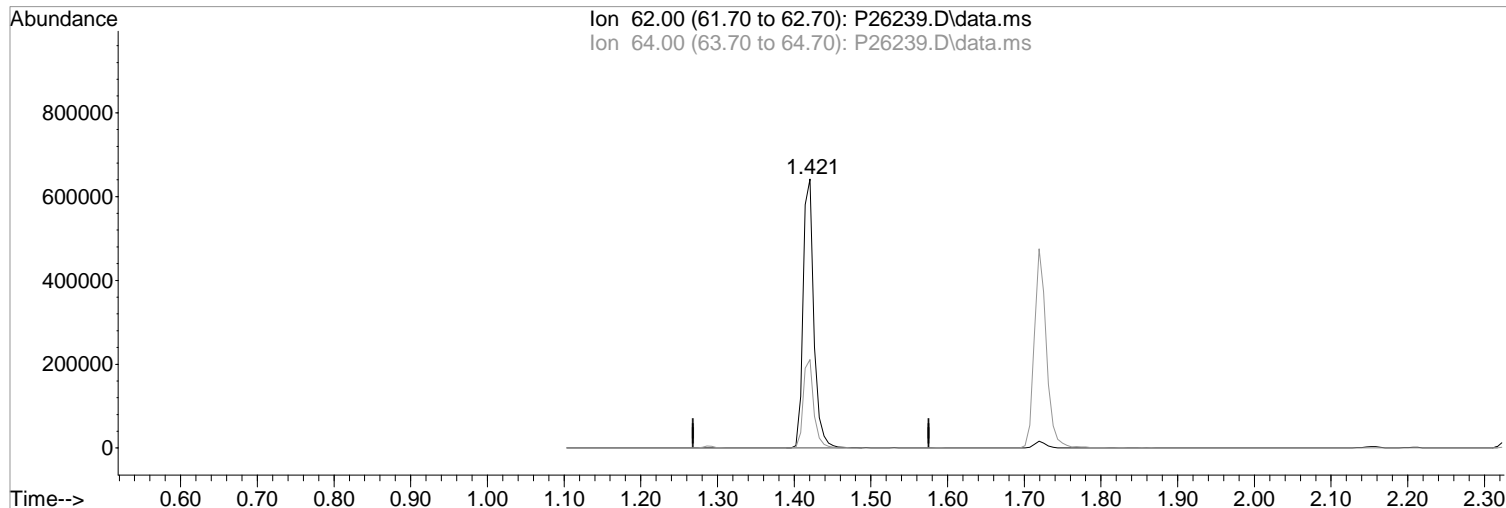
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.59
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)

1.421min (+0.006) 135.90 ppb m
response 629537

Ion	Exp%	Act%
62.00	100	100
64.00	32.50	32.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

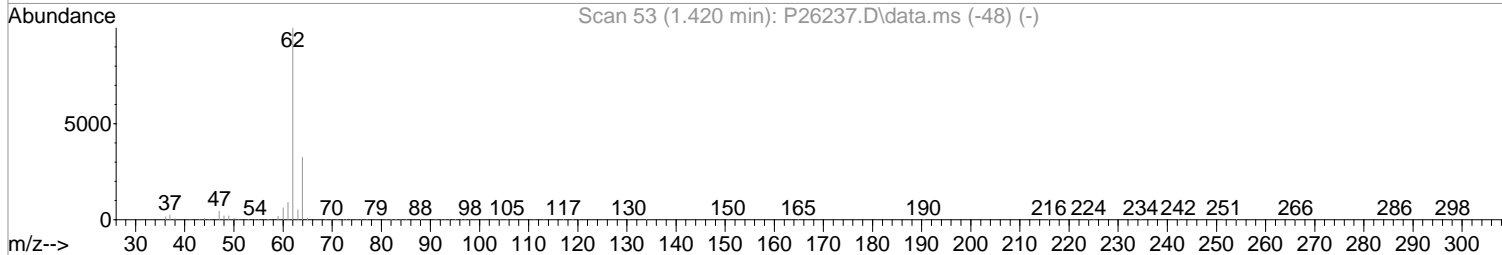
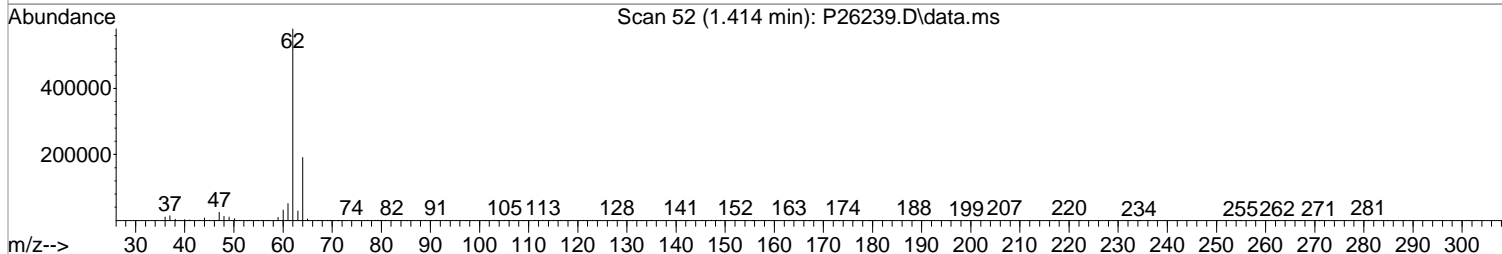
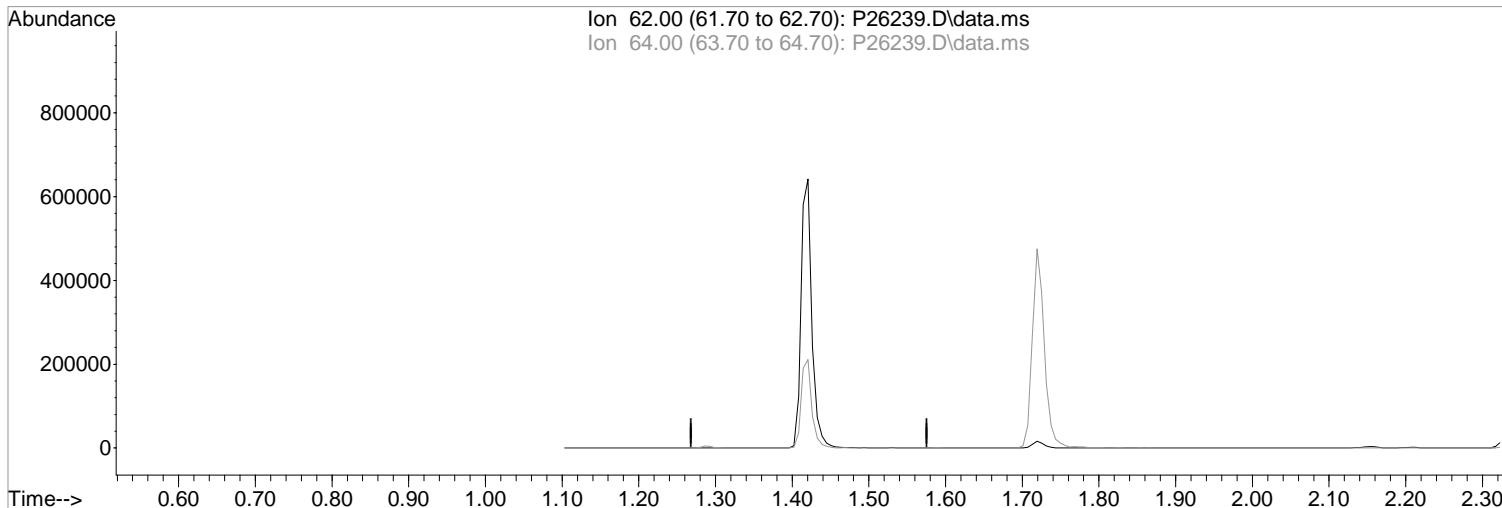
Peak not found.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Misc : 8260/624 ICAL
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:33:58 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26239.D\data.ms

(4) Vinyl Chloride (P)

1.414min (-1.414) 0.00 ppb
response 0

Ion	Exp%	Act%
62.00	100	0.00
64.00	32.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:
Before
05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : 8260/624 ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.414	168	440679	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	575942	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	522596	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	328205	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	624790	188.69	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	377.38%#			
48) surr1,1,2-dichloroetha...	5.798	65	646357	178.92	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	357.84%#			
65) SURR3,Toluene-d8	8.303	98	2421710	176.17	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	352.34%#			
70) SURR2,BFB	10.864	95	959930	178.69	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	357.38%#			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.219	85	579961	139.75	ppb		98
3) Chloromethane	1.341	50	485692	128.87	ppb		96
4) Vinyl Chloride	1.421	62	629537m	135.90	ppb		
5) Bromomethane	1.646	94	535398	115.70	ppb		98
6) Chloroethane	1.719	64	521739	136.93	ppb		98
7) Freon 21	1.866	67	1030094	154.26	ppb		99
8) Trichlorofluoromethane	1.914	101	826823	143.55	ppb		97
9) Diethyl Ether	2.152	59	423423	126.84	ppb		97
10) Freon 123a	2.152	67	501085	122.41	ppb		97
11) Freon 123	2.207	83	624297	130.57	ppb		98
12) Acrolein	2.256	56	510617	643.91	ppb		95
13) 1,1-Diclcethene	2.341	96	481937	131.53	ppb		90
14) Freon 113	2.341	101	444186	136.92	ppb		83
15) Acetone	2.390	43	214264m	121.19	ppb		
16) 2-Propanol	2.530	45	1467659m	3212.71	ppb		
17) Iodomethane	2.469	142	801095	196.45	ppb		98
18) Carbon Disulfide	2.530	76	1185186	134.27	ppb		100
19) Acetonitrile	2.640	40	84593	411.03	ppb	#	80
20) Allyl Chloride	2.670	76	267896	139.74	ppb		95
21) Methyl Acetate	2.695	43	596472	156.38	ppb		95
22) Methylene Chloride	2.786	84	503688	122.71	ppb		96
23) TBA	2.932	59	2617087m	3109.97	ppb		
24) Acrylonitrile	3.042	53	1249419	649.95	ppb		98
25) Methyl-t-Butyl Ether	3.091	73	1728574	129.88	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	531096	132.18	ppb		95
28) 1,1-Diclcethane	3.573	63	842249	128.22	ppb		99
29) Vinyl Acetate	3.670	86	123500	150.49	ppb		99
30) DIPE	3.707	45	1349553	131.20	ppb		97
31) 2-Chloro-1,3-Butadiene	3.701	53	610052	123.42	ppb		94
32) ETBE	4.231	59	1476667	130.07	ppb		99
33) 2,2-Dichloropropane	4.408	77	791020	131.58	ppb		97
34) cis-1,2-Dichloroethene	4.414	96	587429	123.75	ppb		91
35) 2-Butanone	4.463	43	300865	123.49	ppb		98
36) Propionitrile	4.548	54	632876m	727.93	ppb		
37) Bromochloromethane	4.804	130	438568	137.66	ppb		95
38) Methacrylonitrile	4.810	67	310197	130.10	ppb		98
39) Tetrahydrofuran	4.902	42	208386	125.75	ppb		93
40) Chloroform	4.987	83	865776	124.18	ppb		99
41) 1,1,1-Trichloroethane	5.279	97	840804	129.40	ppb		97

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb
 Misc : 8260/624 ICAL
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	1590606	133.17	ppb	98
44) Cyclohexane	5.365	41	395012	127.29	ppb	94
46) Carbontetrachloride	5.554	117	759829	151.76	ppb	97
47) 1,1-Dichloropropene	5.566	75	637378	137.48	ppb	99
49) Benzene	5.877	78	2025034	135.68	ppb	100
50) 1,2-Dichloroethane	5.920	62	703350	132.95	ppb	97
51) Iso-Butyl Alcohol	5.901	43	1015180	3165.31	ppb	98
52) n-Heptane	6.365	43	529901	133.51	ppb	95
53) 1-Butanol	6.858	56	1887594	8628.73	ppb	99
54) Trichloroethene	6.816	130	672035	144.90	ppb	97
55) Methylcyclohexane	7.054	55	574010	132.51	ppb	90
56) 1,2-Diclpropane	7.096	63	495153	138.36	ppb	97
57) Dibromomethane	7.236	93	368273	146.14	ppb	91
58) 1,4-Dioxane	7.328	88	305304	3135.92	ppb	94
59) Methyl Methacrylate	7.328	69	507973	143.64	ppb	88
60) Bromodichloromethane	7.462	83	699795	140.90	ppb	96
61) 2-Nitropropane	7.749	41	403400	313.71	ppb	91
62) 2-Chloroethylvinyl Ether	7.870	63	377305	148.59	ppb	91
63) cis-1,3-Dichloropropene	8.005	75	878937	137.13	ppb	97
64) 4-Methyl-2-pentanone	8.212	43	650236	143.85	ppb	98
66) Toluene	8.376	91	2323309	137.64	ppb	96
67) trans-1,3-Dichloropropene	8.645	75	842265	147.08	ppb	97
68) Ethyl Methacrylate	8.785	69	871261	141.77	ppb	100
69) 1,1,2-Trichloroethane	8.834	97	562443	139.01	ppb	97
72) Tetrachloroethene	8.968	164	574896	153.01	ppb	98
73) 2-Hexanone	9.120	43	514991	146.73	ppb	99
74) 1,3-Dichloropropane	8.998	76	898160	142.17	ppb	98
75) Dibromochloromethane	9.224	129	691699	151.04	ppb	98
76) N-Butyl Acetate	9.279	43	951203	142.11	ppb	99
77) 1,2-Dibromoethane	9.321	107	624436	148.02	ppb	99
78) Chlorobenzene	9.815	112	1653110	143.89	ppb	98
79) 3-CBTF	9.833	180	1066522	161.66	ppb	97
80) 4-CBTF	9.888	180	935399	156.28	ppb	94
81) 1,1,1,2-Tetrachloroethane	9.907	131	653500	146.61	ppb	98
82) Ethylbenzene	9.937	106	896109	144.27	ppb	92
83) (m+p)Xylene	10.053	106	2219596	288.62	ppb	93
84) o-Xylene	10.407	106	1110264	142.59	ppb	93
85) Styrene	10.419	104	1818733	149.45	ppb	98
87) Bromoform	10.571	173	602853	158.38	ppb	98
88) 2-CBTF	10.650	180	1055926	146.22	ppb	98
89) Isopropylbenzene	10.742	105	2666465	129.17	ppb	96
90) Cyclohexanone	10.809	55	2977154	2890.58	ppb	98
91) trans-1,4-Dichloro-2-B...	11.047	53	225035	132.10	ppb	92
92) 1,1,2,2-Tetrachloroethane	10.998	83	814529	130.58	ppb	99
93) Bromobenzene	10.986	156	861389	138.40	ppb	98
94) 1,2,3-Trichloropropane	11.028	110	319521	136.46	ppb	100
95) n-Propylbenzene	11.102	91	2874122	128.41	ppb	95
96) 2-Chlorotoluene	11.163	91	1799990	129.29	ppb	99
97) 3-Chlorotoluene	11.217	91	1836637	139.61	ppb	96
98) 4-Chlorotoluene	11.254	91	2020478	126.94	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	2301389	132.72	ppb	98
100) tert-Butylbenzene	11.522	119	2158547	136.26	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	2331903	135.22	ppb	96
102) 3,4-DCBTF	11.626	214	947031	153.77	ppb	97
103) sec-Butylbenzene	11.705	105	2896587	130.65	ppb	99
104) p-Isopropyltoluene	11.827	119	2648871	137.36	ppb	97

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26239.D
 Acq On : 1 May 2019 3:20 pm
 Operator : K.Ruest
 Sample : 150ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 8 Sample Multiplier: 1

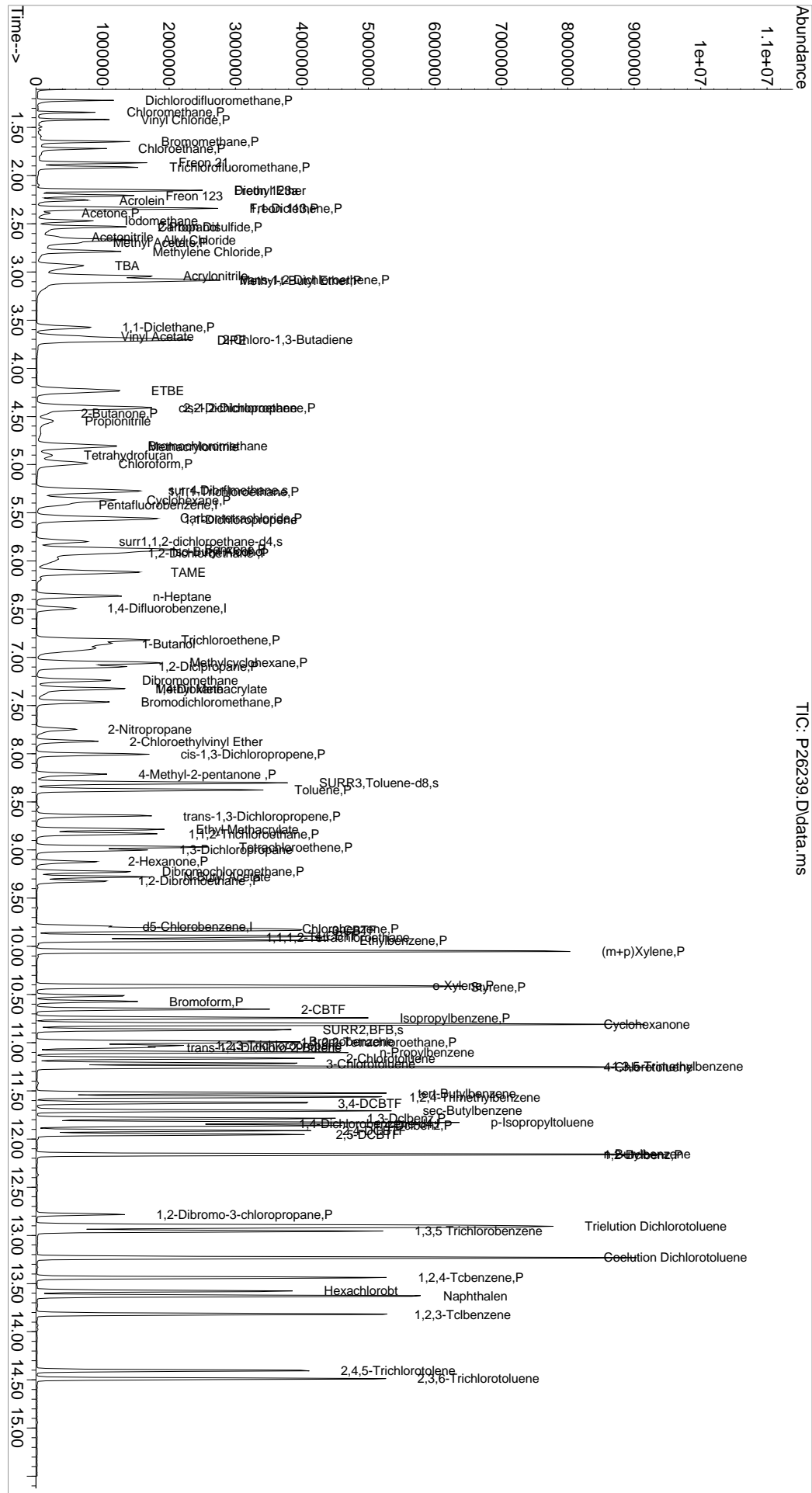
Quant Time: May 01 17:53:46 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	1561330	140.47	ppb	98
106) 1,4-Dclbenz	11.857	146	1581894	139.12	ppb	96
107) 2,4-DCBTF	11.912	214	873821	157.53	ppb	99
108) 2,5-DCBTF	11.955	214	974134	157.97	ppb	99
109) n-Butylbenzene	12.156	91	2179848	135.87	ppb	97
110) 1,2-Dclbenz	12.162	146	1570819	141.87	ppb	98
111) 1,2-Dibromo-3-chloropr...	12.784	157	351151	158.75	ppb	98
112) Trielution Dichlorotol...	12.906	125	4125022	443.64	ppb	96
113) 1,3,5 Trichlorobenzene	12.955	180	1382730	157.21	ppb	99
114) Coelution Dichlorotoluene	13.229	125	3055383	294.52	ppb	97
115) 1,2,4-Tcbenzene	13.436	180	1464261	158.65	ppb	99
116) Hexachlorobt	13.577	225	643484	161.39	ppb	97
117) Naphthalen	13.632	128	3862216	144.48	ppb	98
118) 1,2,3-Tclbenzene	13.821	180	1487305	152.04	ppb	99
119) 2,4,5-Trichlorotolene	14.406	159	984128	166.21	ppb	97
120) 2,3,6-Trichlorotoluene	14.485	159	1138430	163.81	ppb	99

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

05/01/19
Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26239.D
Acq On : 1 May 2019 3:20 pm
Operator : K.Ruest
Sample : 150ppb
Disc : 8260/624 ICAL
PALS Vial : 8 Sample Multiplier: 1
Inst : MSVOA-12

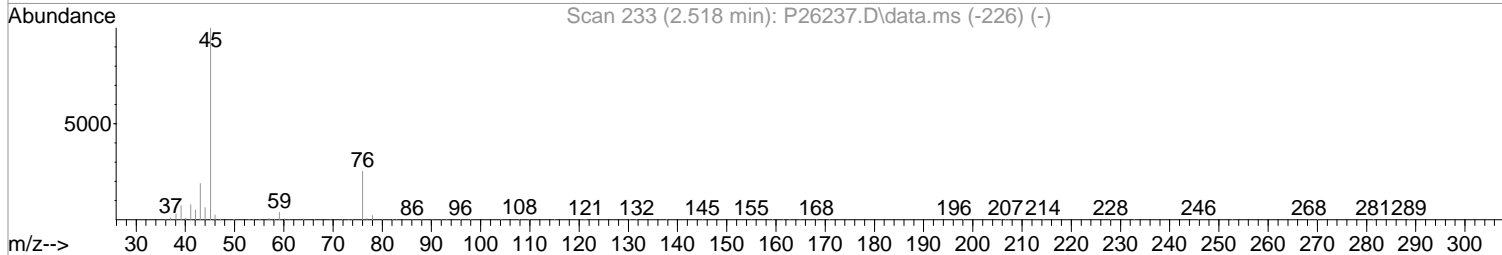
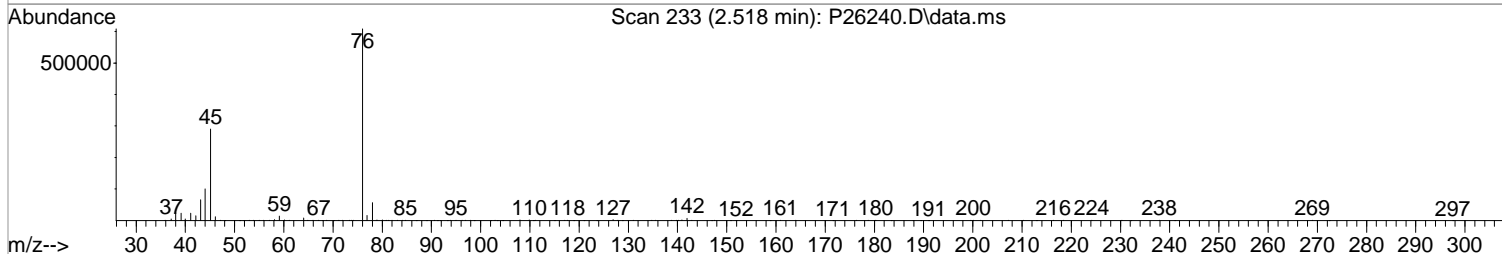
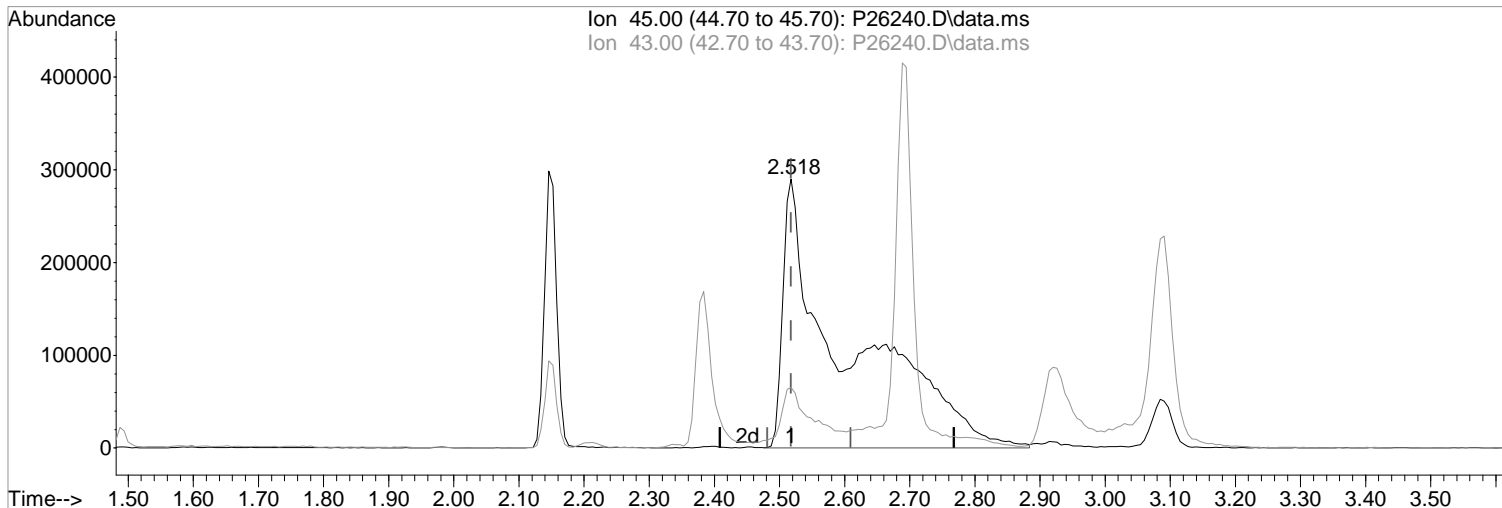
Quant Time: May 01 17:53:46 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10ml Purge
Qlast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (0.000) 4086.96 ppb m
response 1939575

Manual Integration:

After

Poor integration.

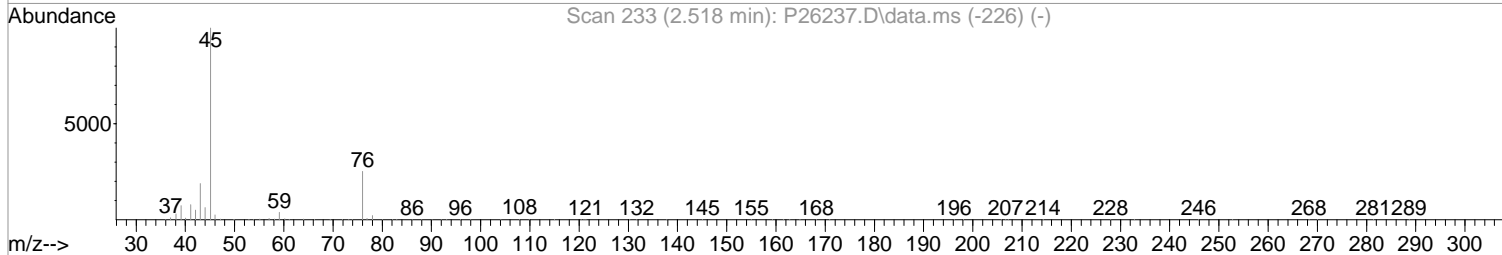
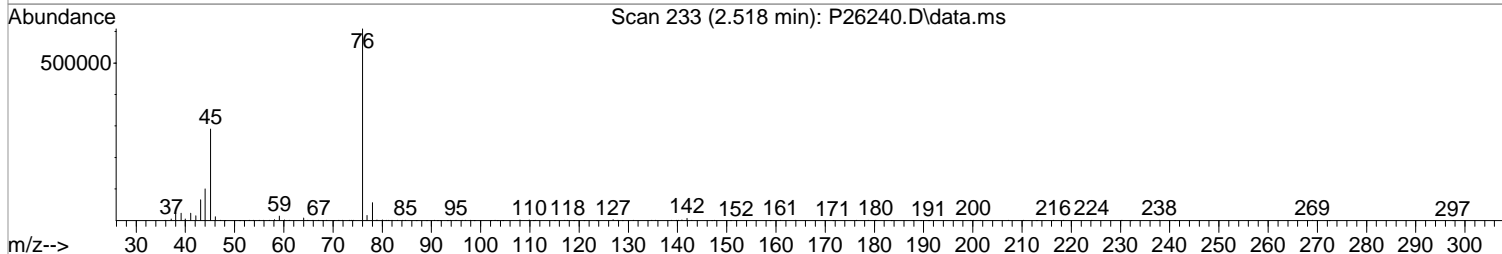
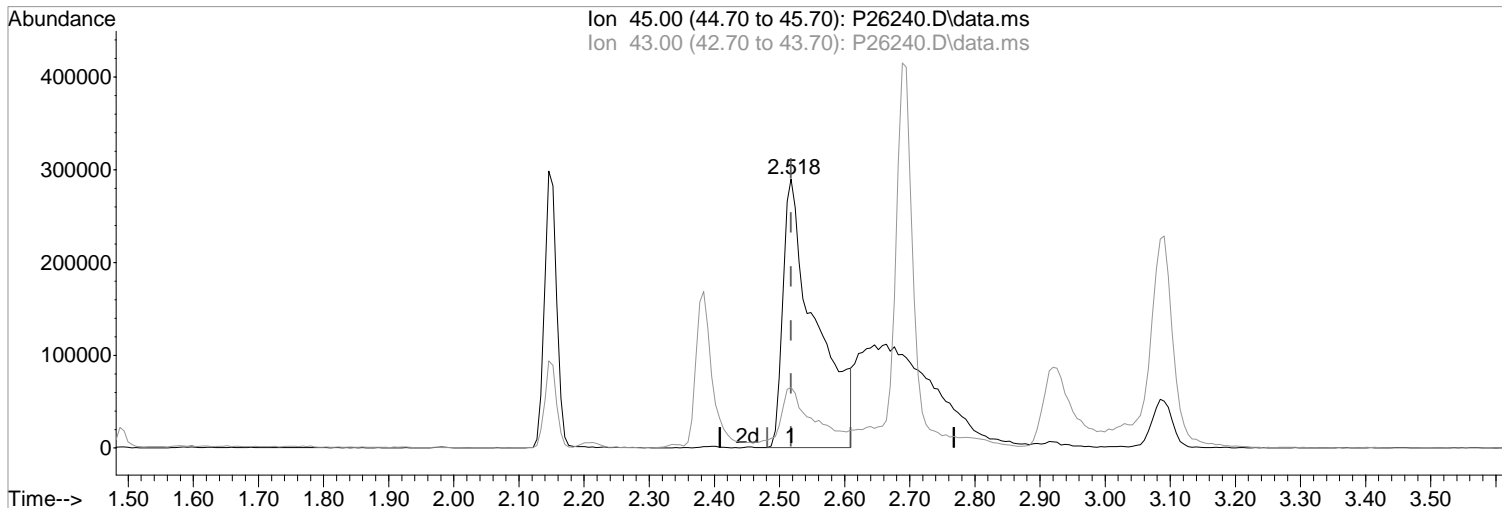
05/01/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(16) 2-Propanol
2.518min (0.000) 2120.60 ppb
response 1006387

Manual Integration:
Before

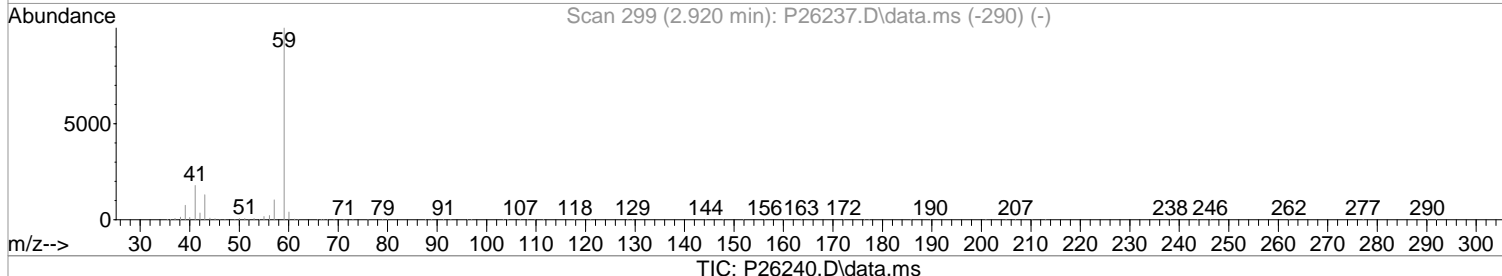
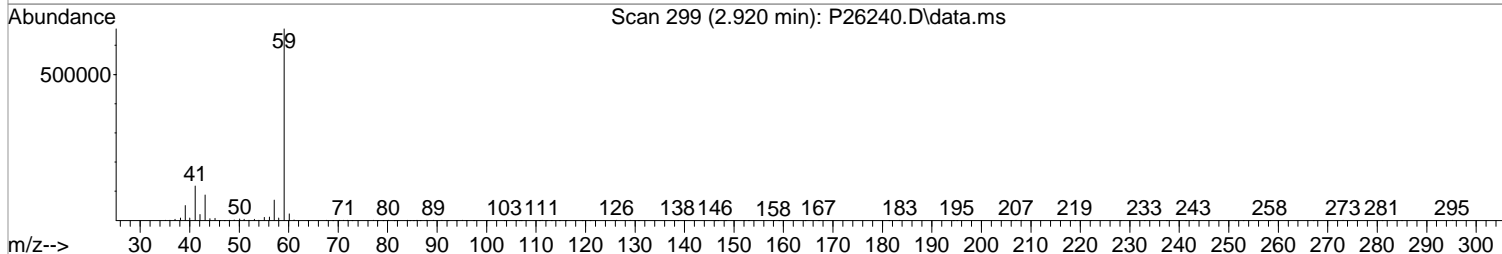
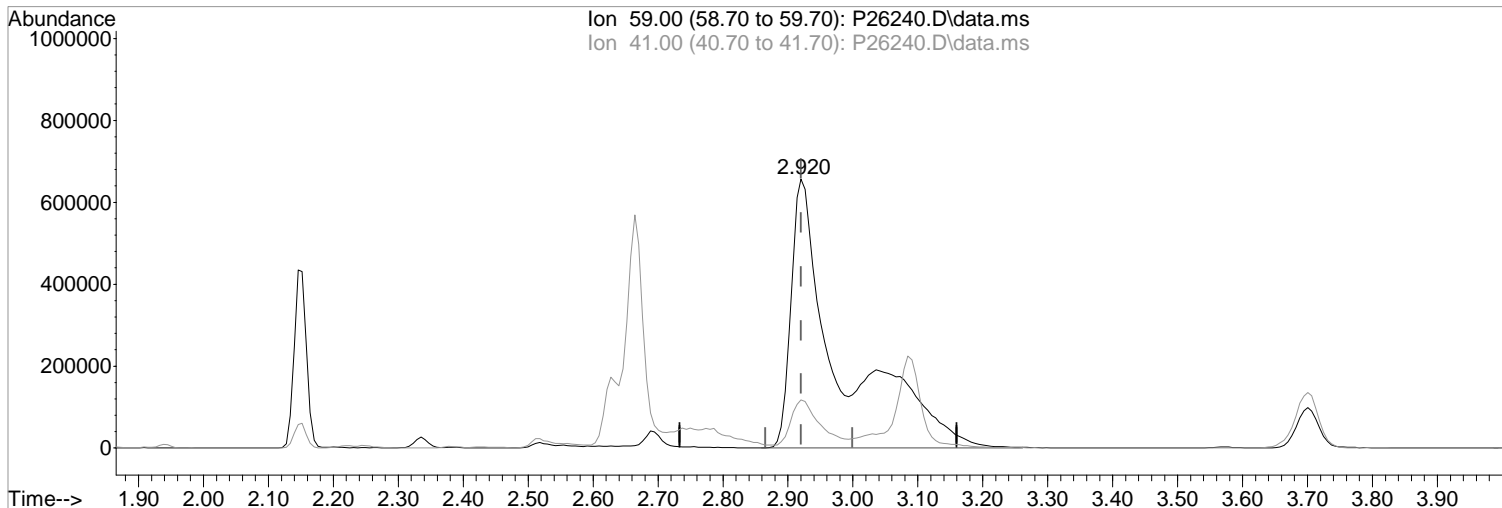
Ion	Exp%	Act%
45.00	100	100
43.00	19.10	22.60
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(23) TBA
2.920min (0.000) 3922.12 ppb m
response 3428745

Manual Integration:

After

Poor integration.

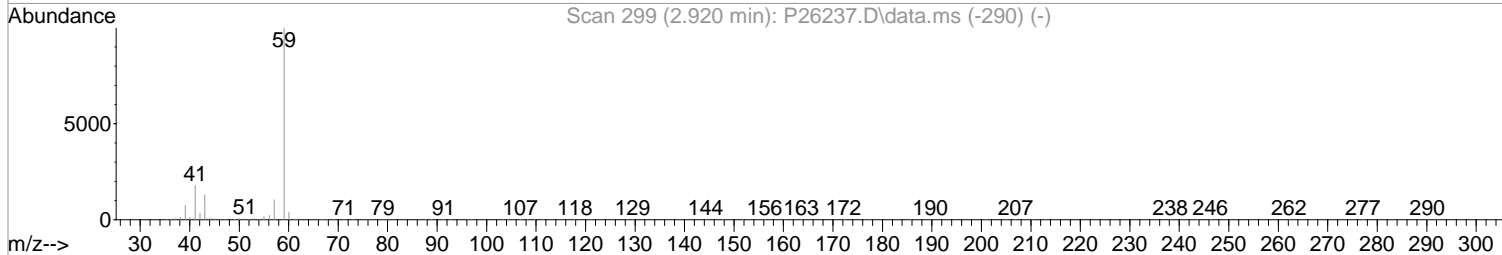
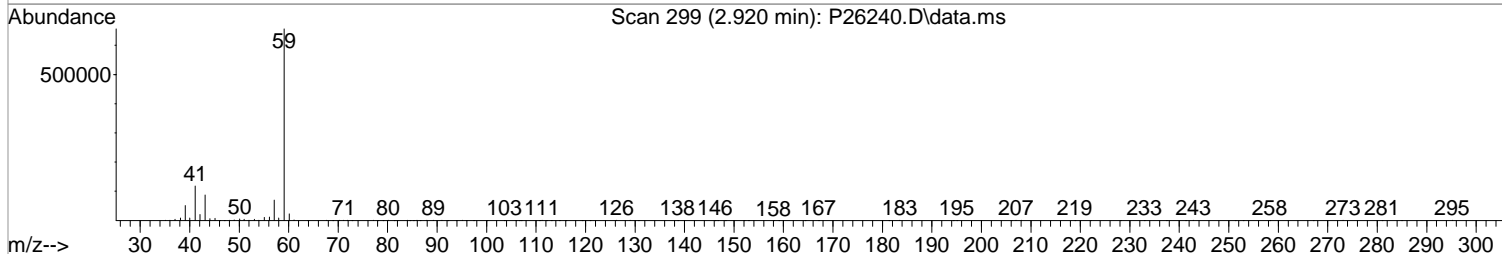
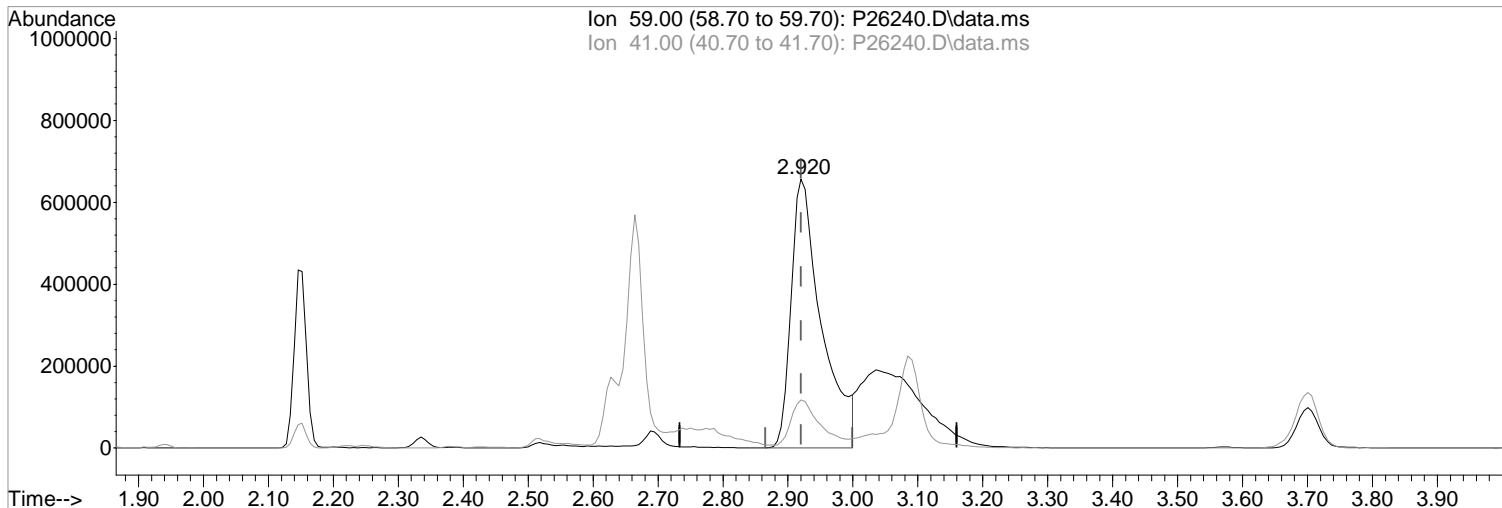
05/01/19

Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



TIC: P26240.D\data.ms

(23) TBA
2.920min (0.000) 2438.67 ppb
response 2131899

Manual Integration:
Before

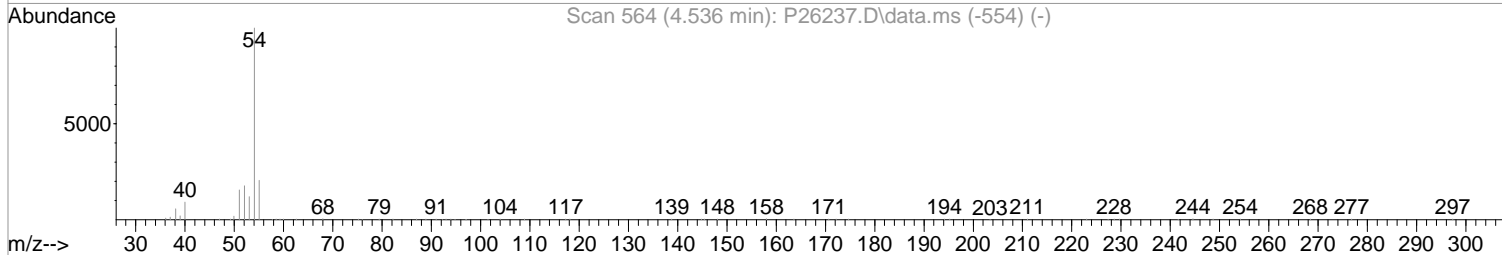
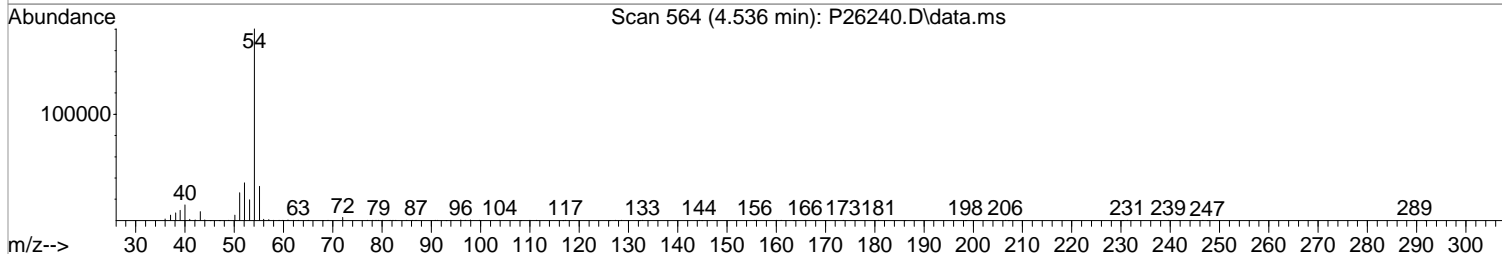
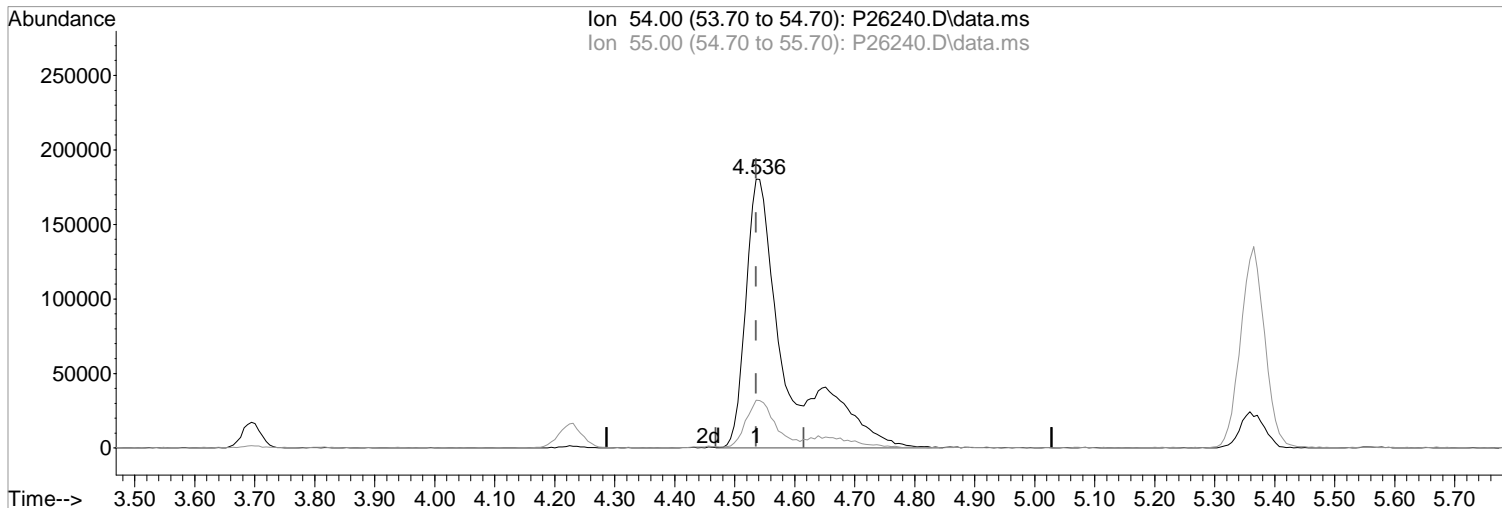
Ion	Exp%	Act%
59.00	100	100
41.00	18.20	17.89
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(36) Propionitrile
4.536min (0.000) 928.67 ppb m
response 838772

Manual Integration:
After
Poor integration.

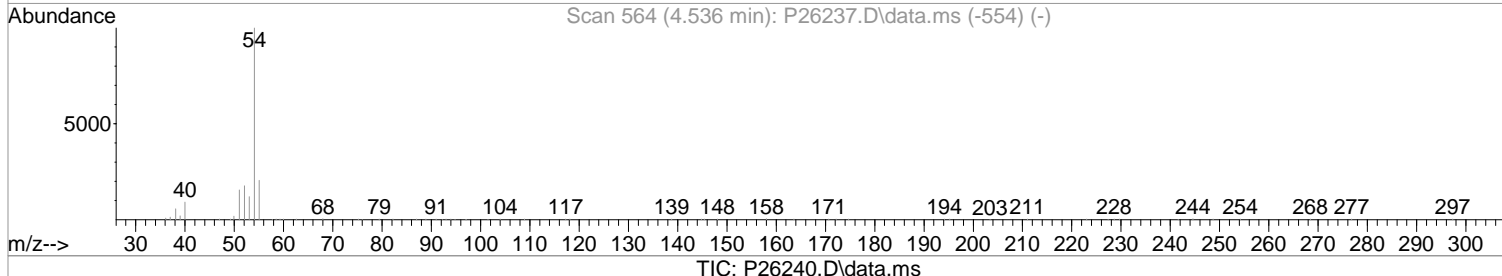
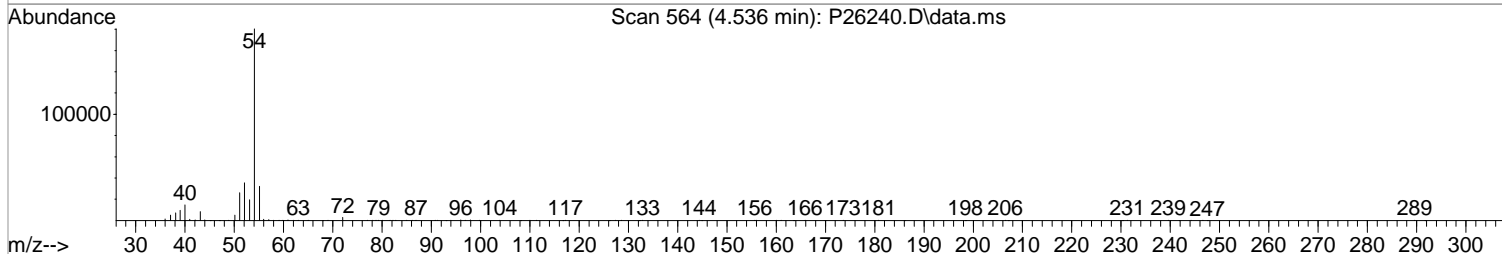
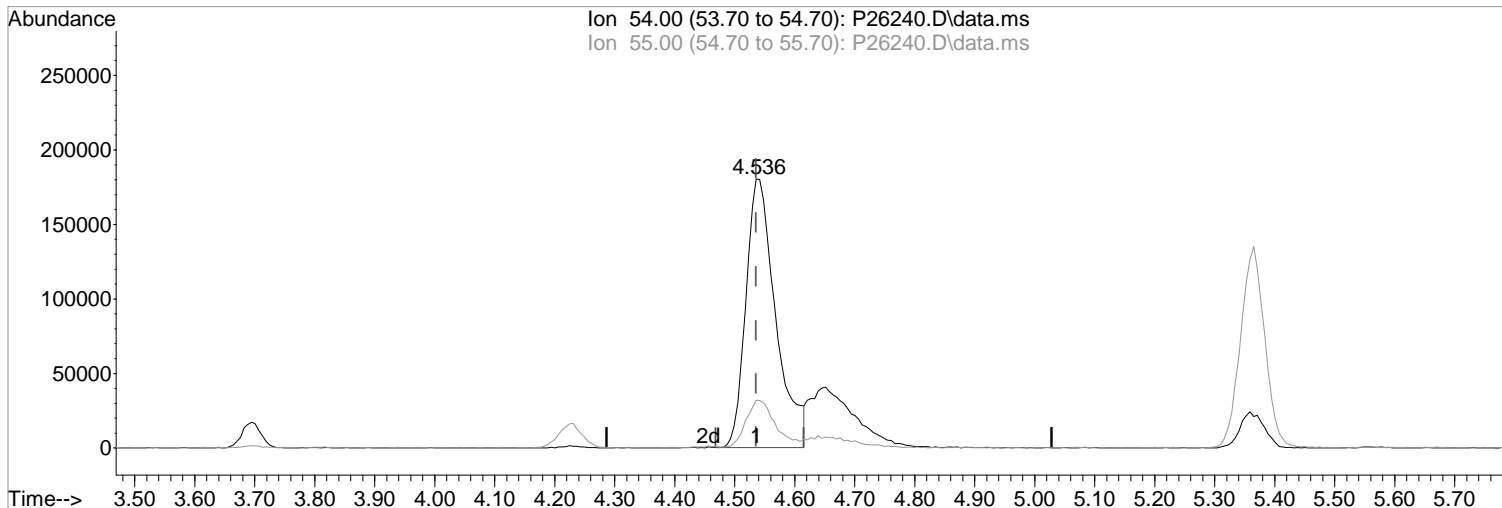
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(36) Propionitrile
4.536min (0.000) 688.43 ppb
response 621783

Manual Integration:
Before

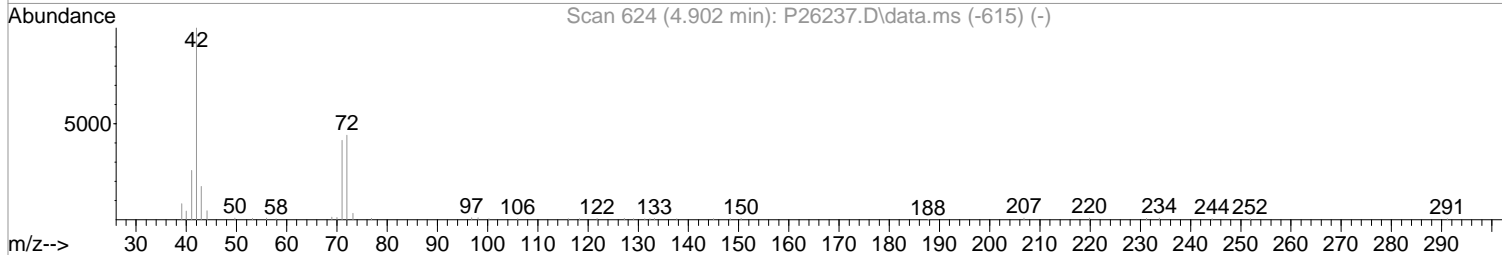
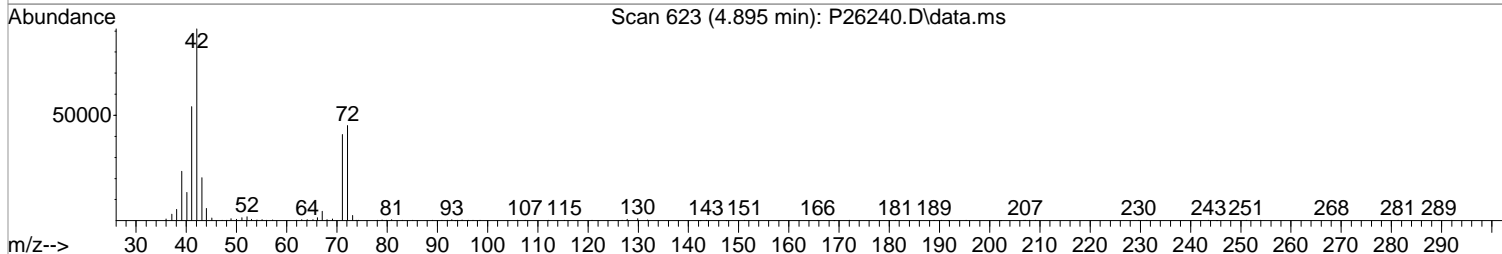
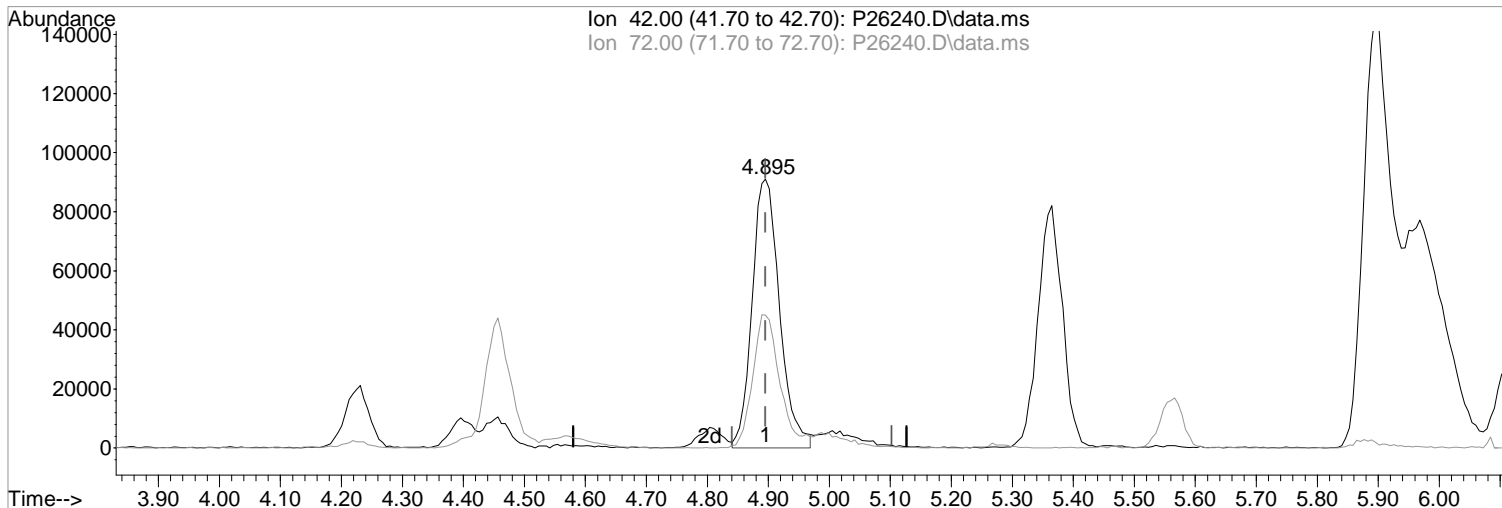
Ion	Exp%	Act%
54.00	100	100
55.00	21.30	17.81
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran

4.895min (0.000) 165.33 ppb m
response 284613

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration:

After

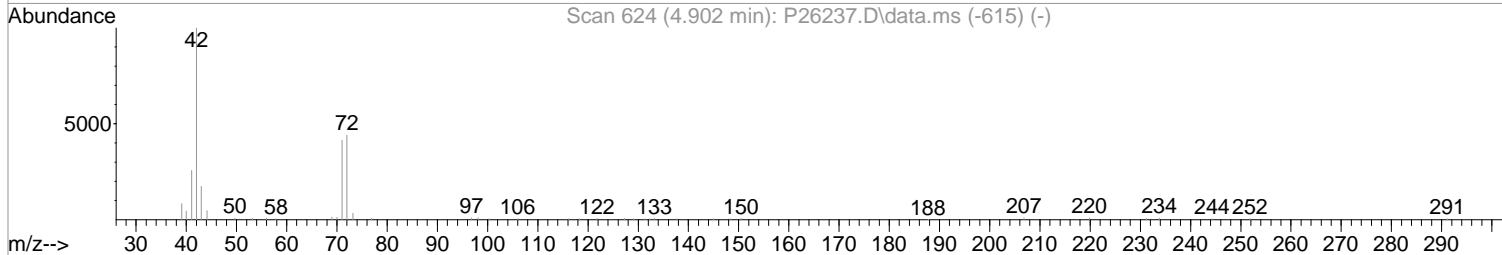
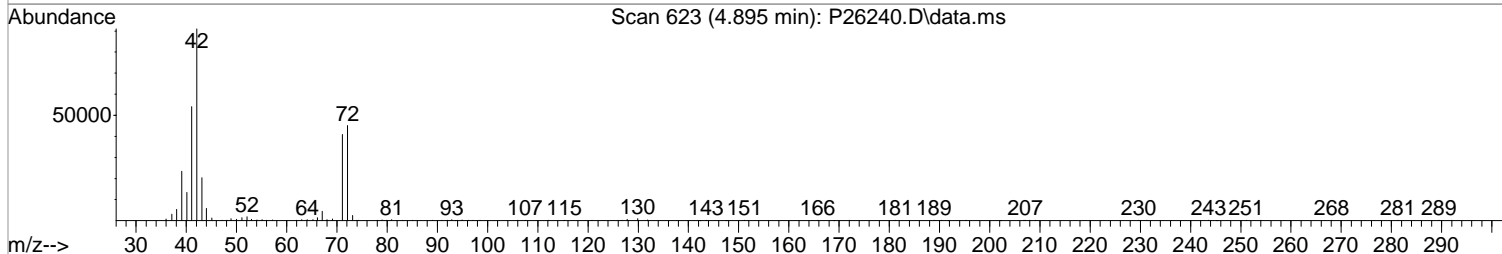
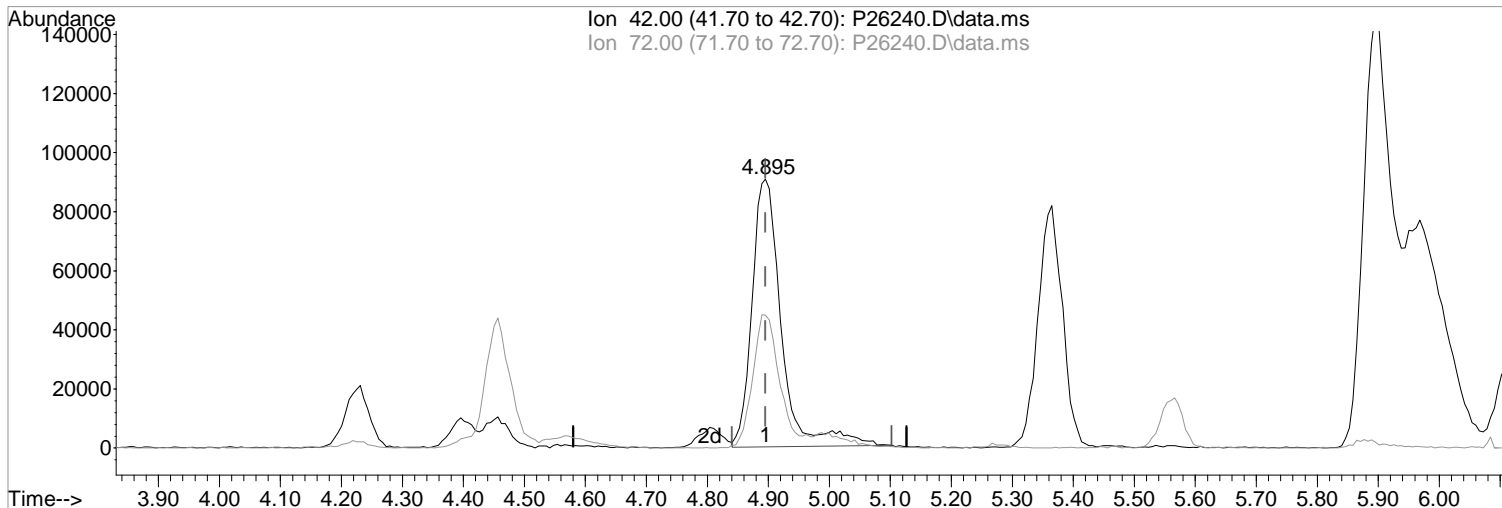
Poor integration.

05/01/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 16:34:01 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



(39) Tetrahydrofuran
4.895min (0.000) 175.57 ppb
response 302248

Manual Integration:

Before

Ion	Exp%	Act%
42.00	100	100
72.00	43.90	49.48
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Misc : 8260/624 ICAL
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:56:09 2019
Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.407	168	457798	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.493	114	581385	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	524540	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	342354	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.267	113	170280	50.94	ppb	0.00	
Spiked Amount	50.000	Range 89 - 119	Recovery =	101.88%			
48) surr1,1,2-dichloroetha...	5.798	65	176633	48.44	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	96.88%			
65) SURR3,Toluene-d8	8.303	98	673897	48.56	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	97.12%			
70) SURR2,BFB	10.864	95	261765	48.27	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	96.54%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.213	85	826221	191.65	ppb		100
3) Chloromethane	1.341	50	718751	183.58	ppb		96
4) Vinyl Chloride	1.414	62	867674	180.31	ppb		98
5) Bromomethane	1.646	94	670698	139.52	ppb		99
6) Chloroethane	1.719	64	647661	163.63	ppb		100
7) Freon 21	1.865	67	1264821	182.33	ppb		100
8) Trichlorofluoromethane	1.914	101	1119000	187.01	ppb		99
9) Diethyl Ether	2.146	59	575043	165.82	ppb		98
10) Freon 123a	2.152	67	720900	169.53	ppb		93
11) Freon 123	2.201	83	891422	179.47	ppb		98
12) Acrolein	2.250	56	713412	866.01	ppb		96
13) 1,1-Dicethene	2.335	96	668018	175.50	ppb		92
14) Freon 113	2.341	101	626566	185.91	ppb		82
15) Acetone	2.384	43	295953	161.13	ppb		97
16) 2-Propanol	2.518	45	1939575m	4086.96	ppb		
17) Iodomethane	2.469	142	1180920	278.76	ppb		97
18) Carbon Disulfide	2.530	76	1662605	181.31	ppb		100
19) Acetonitrile	2.627	40	153069	715.94	ppb		90
20) Allyl Chloride	2.664	76	332017	166.71	ppb		94
21) Methyl Acetate	2.688	43	784070	197.87	ppb		97
22) Methylene Chloride	2.780	84	699327	164.00	ppb		97
23) TBA	2.920	59	3428745m	3922.12	ppb		
24) Acrylonitrile	3.036	53	1716087	859.33	ppb		99
25) Methyl-t-Butyl Ether	3.091	73	2346533	169.72	ppb		99
26) trans-1,2-Dichloroethene	3.079	96	738336	176.89	ppb		94
28) 1,1-Dicethane	3.572	63	1160261	170.03	ppb		99
29) Vinyl Acetate	3.664	86	170754	200.29	ppb	#	93
30) DIPE	3.700	45	1834756	171.70	ppb		98
31) 2-Chloro-1,3-Butadiene	3.694	53	854785	166.46	ppb		94
32) ETBE	4.225	59	1999168	169.51	ppb		99
33) 2,2-Dichloropropane	4.402	77	1078099	172.63	ppb		98
34) cis-1,2-Dichloroethene	4.408	96	815931	165.45	ppb		92
35) 2-Butanone	4.456	43	407400	160.96	ppb		97
36) Propionitrile	4.536	54	838772m	928.67	ppb		
37) Bromochloromethane	4.804	130	609525	184.16	ppb		92
38) Methacrylonitrile	4.810	67	404757	163.41	ppb		95
39) Tetrahydrofuran	4.895	42	284613m	165.33	ppb		
40) Chloroform	4.981	83	1201115	165.83	ppb		100
41) 1,1,1-Trichloroethane	5.273	97	1163880	172.42	ppb		96

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26240.D
 Acq On : 1 May 2019 3:42 pm
 Operator : K.Ruest
 Sample : 200ppb
 Misc : 8260/624 ICAL
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 01 17:56:09 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.115	73	2130901	171.73	ppb	98
44) Cyclohexane	5.365	41	550933	175.87	ppb	99
46) Carbontetrachloride	5.554	117	1062701	210.26	ppb	98
47) 1,1-Dichloropropene	5.560	75	903993	193.16	ppb	98
49) Benzene	5.877	78	2802869	186.04	ppb	100
50) 1,2-Dichloroethane	5.913	62	955852	178.99	ppb	97
51) Iso-Butyl Alcohol	5.895	43	1348561	4165.42	ppb	98
52) n-Heptane	6.358	43	734225	183.26	ppb	97
53) 1-Butanol	6.852	56	2468851	11180.16	ppb	99
54) Trichloroethene	6.816	130	947017	202.27	ppb	97
55) Methylcyclohexane	7.053	55	798658	182.65	ppb	91
56) 1,2-Diclpropane	7.096	63	678093	187.70	ppb	100
57) Dibromomethane	7.236	93	494478	194.38	ppb	85
58) 1,4-Dioxane	7.322	88	391429	3982.91	ppb	90
59) Methyl Methacrylate	7.322	69	690650	193.46	ppb	90
60) Bromodichloromethane	7.462	83	966990	192.87	ppb	96
61) 2-Nitropropane	7.742	41	550255	423.91	ppb	91
62) 2-Chloroethylvinyl Ether	7.870	63	515897	201.27	ppb	91
63) cis-1,3-Dichloropropene	8.005	75	1215680	187.89	ppb	96
64) 4-Methyl-2-pentanone	8.212	43	884981	193.95	ppb	98
66) Toluene	8.376	91	3148212	184.77	ppb	97
67) trans-1,3-Dichloropropene	8.645	75	1141429	197.45	ppb	98
68) Ethyl Methacrylate	8.785	69	1192271	192.19	ppb	99
69) 1,1,2-Trichloroethane	8.828	97	771065	188.79	ppb	98
72) Tetrachloroethene	8.968	164	806156	213.76	ppb	98
73) 2-Hexanone	9.120	43	707292	200.78	ppb	98
74) 1,3-Dichloropropane	8.998	76	1213390	191.36	ppb	99
75) Dibromochloromethane	9.224	129	964290	209.78	ppb	96
76) N-Butyl Acetate	9.279	43	1295636	192.85	ppb	99
77) 1,2-Dibromoethane	9.321	107	846432	199.90	ppb	99
78) Chlorobenzene	9.815	112	2266299	196.53	ppb	99
79) 3-CBTF	9.833	180	1511069	228.19	ppb	98
80) 4-CBTF	9.888	180	1333854	222.02	ppb	95
81) 1,1,1,2-Tetrachloroethane	9.907	131	909248	203.23	ppb	99
82) Ethylbenzene	9.937	106	1261051	202.28	ppb	# 87
83) (m+p)Xylene	10.053	106	3017864	390.97	ppb	89
84) o-Xylene	10.406	106	1530892	195.88	ppb	93
85) Styrene	10.419	104	2490966	203.93	ppb	97
87) Bromoform	10.571	173	854932	215.33	ppb	99
88) 2-CBTF	10.650	180	1506887	200.05	ppb	98
89) Isopropylbenzene	10.742	105	3632037	168.68	ppb	94
90) Cyclohexanone	10.809	55	3869802	3601.99	ppb	95
91) trans-1,4-Dichloro-2-B...	11.047	53	309301	174.06	ppb	96
92) 1,1,2,2-Tetrachloroethane	10.998	83	1123199	172.62	ppb	99
93) Bromobenzene	10.986	156	1184677	182.47	ppb	98
94) 1,2,3-Trichloropropane	11.028	110	434941	178.08	ppb	98
95) n-Propylbenzene	11.101	91	3908191	167.39	ppb	93
96) 2-Chlorotoluene	11.162	91	2481708	170.89	ppb	99
97) 3-Chlorotoluene	11.217	91	2536922	184.87	ppb	96
98) 4-Chlorotoluene	11.254	91	2803792	168.88	ppb	97
99) 1,3,5-Trimethylbenzene	11.254	105	3167505	175.12	ppb	95
100) tert-Butylbenzene	11.522	119	2956089	178.89	ppb	97
101) 1,2,4-Trimethylbenzene	11.565	105	3200104	177.90	ppb	94
102) 3,4-DCBTF	11.626	214	1352016	210.46	ppb	98
103) sec-Butylbenzene	11.705	105	3959664	171.22	ppb	97
104) p-Isopropyltoluene	11.827	119	3629614	180.44	ppb	95

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26240.D
 Acq On : 1 May 2019 3:42 pm
 Operator : K.Ruest
 Sample : 200ppb Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 9 Sample Multiplier: 1

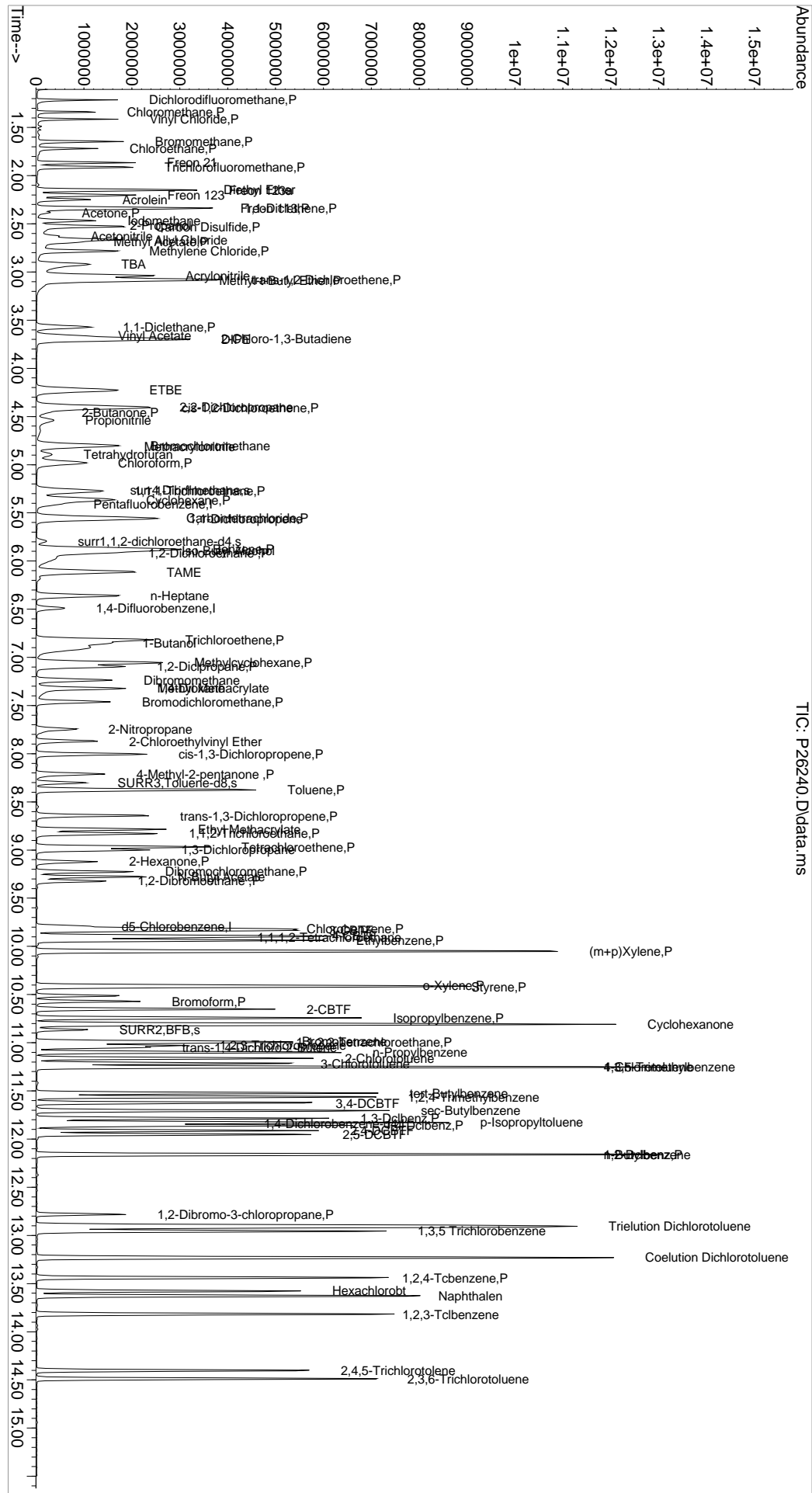
Quant Time: May 01 17:56:09 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Wed May 01 16:11:38 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	2179815	188.00	ppb	99
106) 1,4-Dclbenz	11.857	146	2191537	184.77	ppb	95
107) 2,4-DCBTF	11.912	214	1243961	215.00	ppb	99
108) 2,5-DCBTF	11.955	214	1391437	216.31	ppb	97
109) n-Butylbenzene	12.162	91	3014227	180.11	ppb	93
110) 1,2-Dclbenz	12.162	146	2181972	188.92	ppb	96
111) 1,2-Dibromo-3-chloropr...	12.784	157	497298	215.52	ppb	96
112) Trielution Dichlorotol...	12.906	125	5713013	589.03	ppb	94
113) 1,3,5 Trichlorobenzene	12.955	180	1954090	213.00	ppb	99
114) Coelution Dichlorotoluene	13.229	125	4166184	385.00	ppb	94
115) 1,2,4-Tcbenzene	13.442	180	2041619	212.07	ppb	99
116) Hexachlorobt	13.577	225	911915	219.26	ppb	98
117) Naphthalen	13.631	128	5113162	183.37	ppb	95
118) 1,2,3-Tclbenzene	13.820	180	2054004	201.30	ppb	99
119) 2,4,5-Trichlorotolene	14.400	159	1345387	217.84	ppb	98
120) 2,3,6-Trichlorotoluene	14.491	159	1555529	214.58	ppb	95

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

1st 05/01/19
Data Path : I:\ACQDATA\msvoa12\Data\050119\
Data File : P26240.D
Acq On : 1 May 2019 3:42 pm
Operator : K.Ruest
Sample : 200ppb
Disc : 8260/624 ICAL
PALS Vial : 9 Sample Multiplier: 1
Inst : MSVOA-12

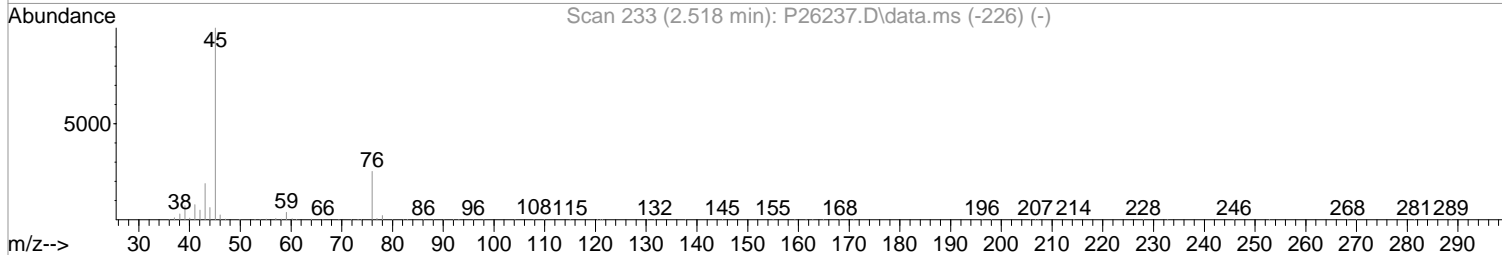
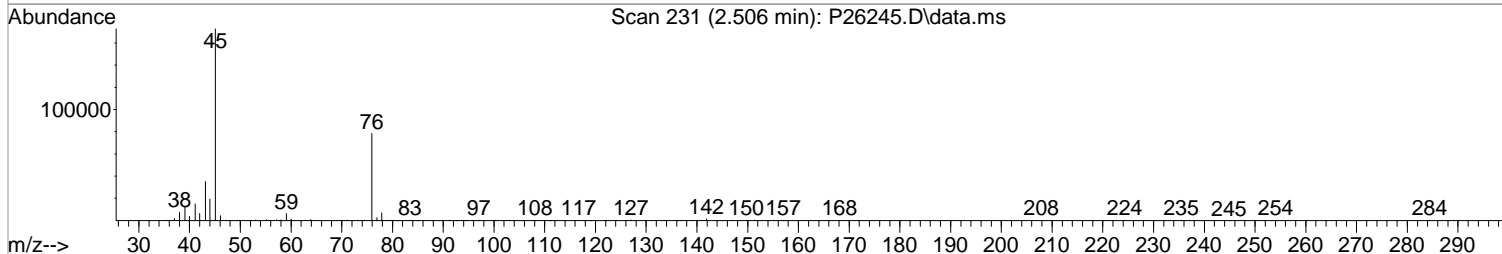
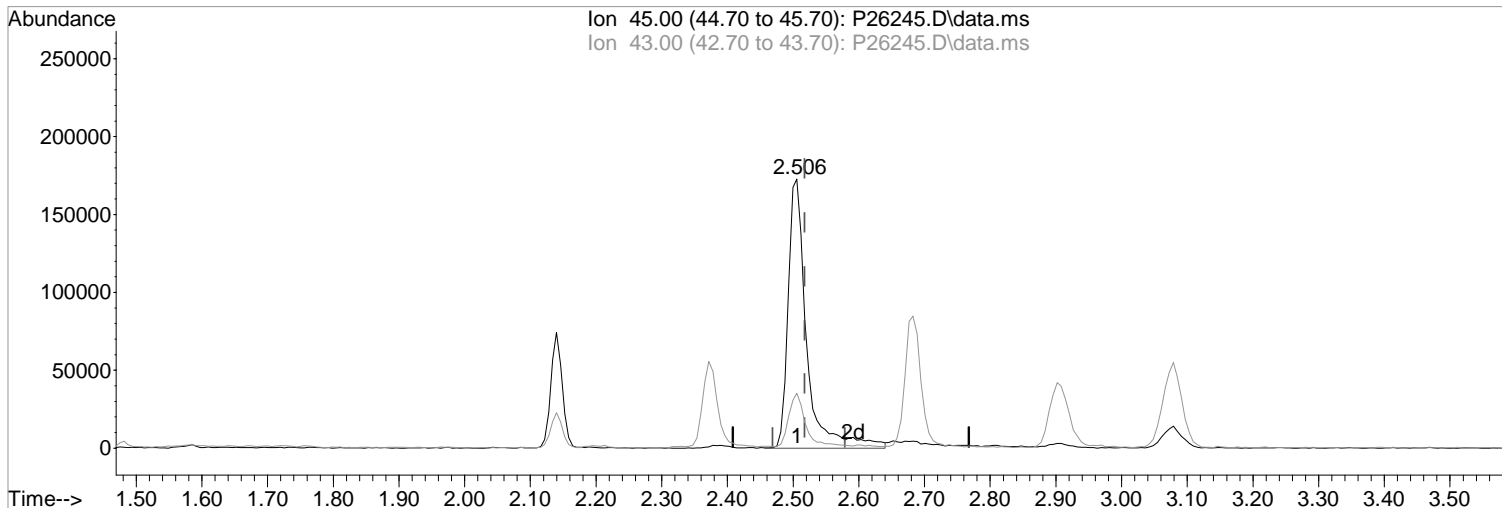
Quant Time: May 01 17:56:09 2019
Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B MATERS 10ml Purge
QIast Update : Wed May 01 16:11:38 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:41:43 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 11:39:03 2019
Response via : Initial Calibration



TIC: P26245.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 902.32 ppb m
response 338785

Manual Integration:

After

Poor integration.

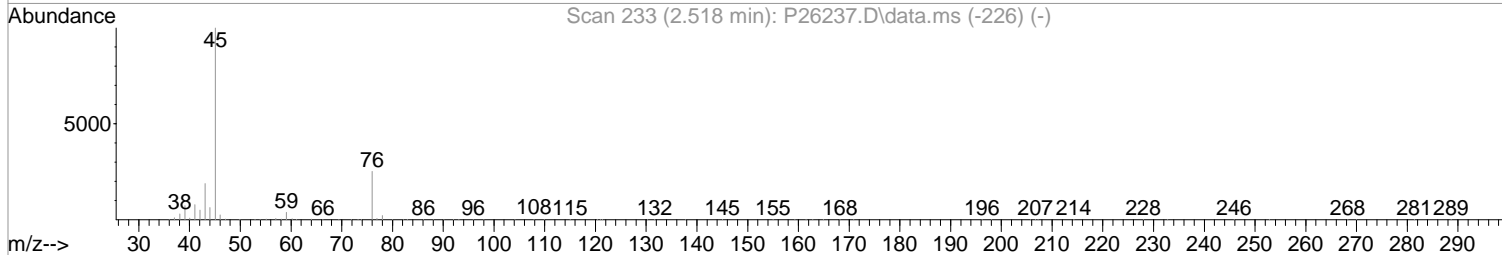
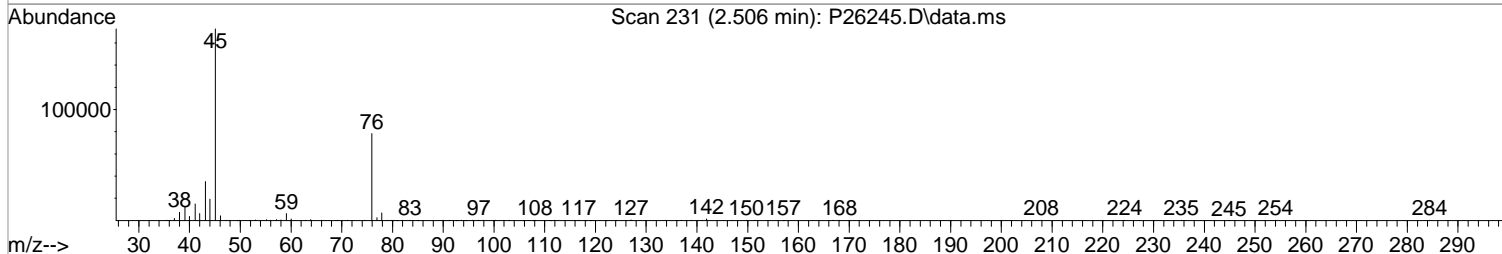
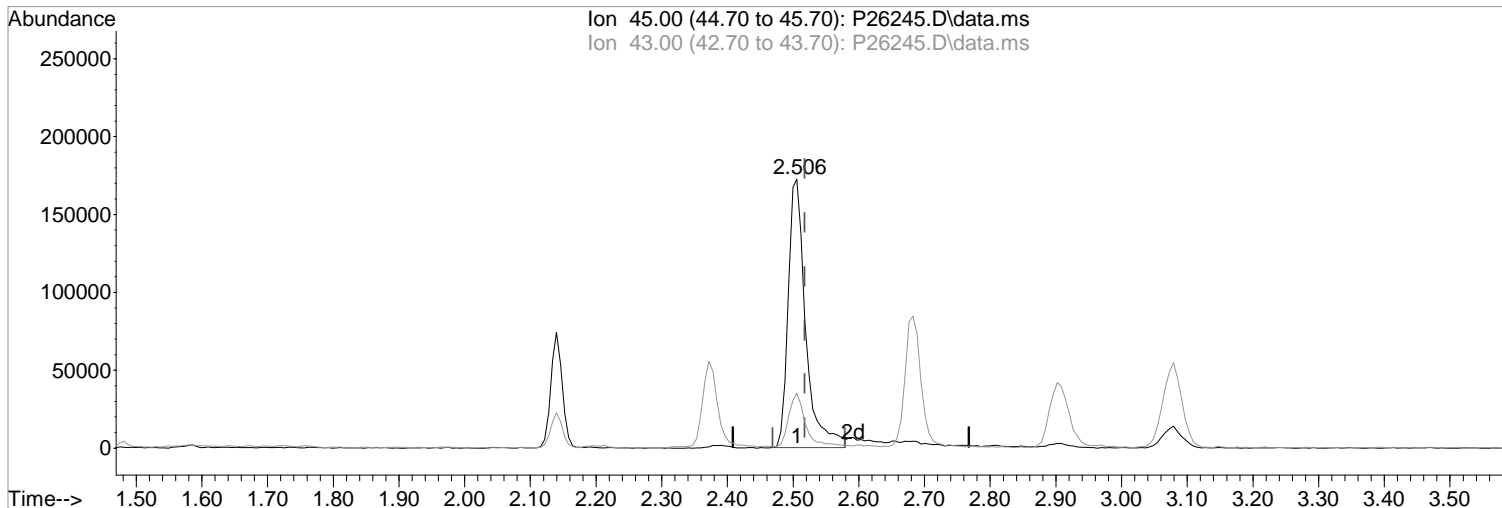
05/02/19

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
Data File : P26245.D
Acq On : 1 May 2019 5:31 pm
Operator : K.Ruest
Sample : ICV50
Misc : 8260/624 ICAL
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 10:33:16 2019
Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
Quant Title : MS#12 - 8260B WATERS 10mL Purge
QLast Update : Thu May 02 10:32:49 2019
Response via : Initial Calibration



TIC: P26245.D\data.ms

(16) 2-Propanol
2.506min (-0.012) 847.89 ppb
response 318348

Manual Integration:
Before

Ion	Exp%	Act%
45.00	100	100
43.00	19.10	20.35
0.00	0.00	0.00
0.00	0.00	0.00

05/02/19

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene	5.402	168	353146	50.00	ppb	0.00	
43) 1,4-Difluorobenzene	6.487	114	507921	50.00	ppb	0.00	
71) d5-Chlorobenzene	9.791	117	464970	50.00	ppb	0.00	
86) 1,4-Dichlorobenzene-d4	11.839	152	302672	50.00	ppb	0.00	
System Monitoring Compounds							
45) surr4,Dibrflmethane	5.255	113	145780	49.92	ppb	-0.01	
Spiked Amount	50.000	Range 89 - 119	Recovery =	99.84%			
48) surr1,1,2-dichloroetha...	5.792	65	163943	51.46	ppb	0.00	
Spiked Amount	50.000	Range 73 - 125	Recovery =	102.92%			
65) SURR3,Toluene-d8	8.297	98	615062	50.73	ppb	0.00	
Spiked Amount	50.000	Range 87 - 121	Recovery =	101.46%			
70) SURR2,BFB	10.864	95	250546	52.88	ppb	0.00	
Spiked Amount	50.000	Range 85 - 122	Recovery =	105.76%			
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.207	85	203711	61.82	ppb		100
3) Chloromethane	1.329	50	152029	50.58	ppb		98
4) Vinyl Chloride	1.402	62	195696	53.32	ppb		97
5) Bromomethane	1.634	94	179729	52.82	ppb		97
6) Chloroethane	1.713	64	131064	44.85	ppb		99
7) Freon 21	1.859	67	227340	43.10	ppb		100
8) Trichlorofluoromethane	1.908	101	243760	52.81	ppb		98
9) Diethyl Ether	2.140	59	129530	48.42	ppb		95
10) Freon 123a	2.140	67	143422	44.76	ppb		94
11) Freon 123	2.195	83	187245	48.87	ppb		95
12) Acrolein	2.237	56	58973	92.80	ppb		90
13) 1,1-Dicethene	2.329	96	145728	49.96	ppb		97
14) Freon 113	2.335	101	137120	52.74	ppb		91
15) Acetone	2.372	43	85842	61.90	ppb		96
16) 2-Propanol	2.506	45	338785m	902.32	ppb		
17) Iodomethane	2.457	142	180816	52.72	ppb		94
18) Carbon Disulfide	2.518	76	393061	55.57	ppb		99
19) Acetonitrile	2.615	40	53830	244.25	ppb		90
20) Allyl Chloride	2.658	76	81426	61.14	ppb		93
21) Methyl Acetate	2.683	43	140399	47.77	ppb		98
22) Methylene Chloride	2.774	84	157531	51.98	ppb		99
23) TBA	2.902	59	650426	969.01	ppb		100
24) Acrylonitrile	3.024	53	401690	267.73	ppb		98
25) Methyl-t-Butyl Ether	3.079	73	547776	51.36	ppb		97
26) trans-1,2-Dichloroethene	3.067	96	161529	50.54	ppb		97
28) 1,1-Dicethane	3.560	63	271316	51.54	ppb		99
29) Vinyl Acetate	3.652	86	49400	64.00	ppb	#	74
30) DIPE	3.688	45	466430	56.58	ppb		93
31) 2-Chloro-1,3-Butadiene	3.682	53	207145	52.51	ppb		99
32) ETBE	4.219	59	473897	53.18	ppb		97
33) 2,2-Dichloropropane	4.396	77	258440	53.54	ppb		96
34) cis-1,2-Dichloroethene	4.396	96	184069	49.25	ppb		98
35) 2-Butanone	4.444	43	110643	56.95	ppb		94
36) Propionitrile	4.524	54	173599	249.14	ppb		94
37) Bromochloromethane	4.792	130	128257	50.32	ppb		97
38) Methacrylonitrile	4.798	67	92136	52.30	ppb		96
39) Tetrahydrofuran	4.889	42	69895	53.07	ppb		94
40) Chloroform	4.969	83	278657	49.87	ppb		98
41) 1,1,1-Trichloroethane	5.267	97	268213	51.51	ppb		93

Data Path : I:\ACQUDATA\msvoal2\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA-12

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoal2\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) TAME	6.109	73	530039	55.37	ppb	99
44) Cyclohexane	5.353	41	120045	47.07	ppb	95
46) Carbontetrachloride	5.542	117	232406	52.51	ppb	96
47) 1,1-Dichloropropene	5.554	75	214509	52.46	ppb	99
49) Benzene	5.871	78	647701	49.21	ppb	99
50) 1,2-Dichloroethane	5.907	62	225973	48.44	ppb	98
51) Iso-Butyl Alcohol	5.877	43	252019	878.32	ppb	98
52) n-Heptane	6.353	43	177339	50.66	ppb	96
53) 1-Butanol	6.840	56	444957	2294.51	ppb	99
54) Trichloroethene	6.810	130	200830	49.10	ppb	98
55) Methylcyclohexane	7.048	55	174597	45.70	ppb	97
56) 1,2-Diclpropane	7.090	63	154876	48.98	ppb	94
57) Dibromomethane	7.230	93	110762	50.10	ppb	97
58) 1,4-Dioxane	7.291	88	79851	928.57	ppb	96
59) Methyl Methacrylate	7.322	69	156031	49.82	ppb	91
60) Bromodichloromethane	7.456	83	215361	49.17	ppb	99
61) 2-Nitropropane	7.742	41	121587	107.22	ppb	97
62) 2-Chloroethylvinyl Ether	7.864	63	118979	53.11	ppb	99
63) cis-1,3-Dichloropropene	7.999	75	280888	49.69	ppb	98
64) 4-Methyl-2-pentanone	8.206	43	202383	51.42	ppb	99
66) Toluene	8.370	91	751741	50.50	ppb	100
67) trans-1,3-Dichloropropene	8.639	75	263841	52.68	ppb	98
68) Ethyl Methacrylate	8.785	69	271225	50.04	ppb	96
69) 1,1,2-Trichloroethane	8.828	97	170174	47.69	ppb	96
72) Tetrachloroethene	8.968	164	170765	51.08	ppb	98
73) 2-Hexanone	9.120	43	155069	49.62	ppb	98
74) 1,3-Dichloropropane	8.998	76	279504	49.73	ppb	99
75) Dibromochloromethane	9.224	129	194751	47.80	ppb	97
76) N-Butyl Acetate	9.273	43	307388	51.61	ppb	97
77) 1,2-Dibromoethane	9.321	107	183534	48.90	ppb	98
78) Chlorobenzene	9.815	112	513072	50.19	ppb	98
79) 3-CBTF	9.834	180	312813	53.29	ppb	98
80) 4-CBTF	9.888	180	270020	50.84	ppb	97
81) 1,1,1,2-Tetrachloroethane	9.901	131	193793	48.86	ppb	97
82) Ethylbenzene	9.937	106	280266	50.72	ppb	100
83) (m+p)Xylene	10.047	106	707912	103.46	ppb	99
84) o-Xylene	10.407	106	360181	51.99	ppb	98
85) Styrene	10.419	104	589708	54.46	ppb	98
87) Bromoform	10.571	173	163955	46.71	ppb	96
88) 2-CBTF	10.650	180	329956	49.55	ppb	97
89) Isopropylbenzene	10.742	105	879143	46.18	ppb	98
90) Cyclohexanone	10.803	55	829327	873.14	ppb	99
91) trans-1,4-Dichloro-2-B...	11.047	53	72423	50.07	ppb	97
92) 1,1,2,2-Tetrachloroethane	10.998	83	256148	44.53	ppb	99
93) Bromobenzene	10.986	156	269487	46.95	ppb	100
94) 1,2,3-Trichloropropane	11.028	110	94771	43.89	ppb	94
95) n-Propylbenzene	11.096	91	983233	47.63	ppb	98
96) 2-Chlorotoluene	11.156	91	594629	46.31	ppb	98
97) 3-Chlorotoluene	11.211	91	603090	49.71	ppb	100
98) 4-Chlorotoluene	11.254	91	687982	46.87	ppb	98
99) 1,3,5-Trimethylbenzene	11.248	105	775721	48.51	ppb	98
100) tert-Butylbenzene	11.522	119	713821	48.86	ppb	99
101) 1,2,4-Trimethylbenzene	11.559	105	771615	48.52	ppb	100
102) 3,4-DCBTF	11.620	214	301869	53.15	ppb	98
103) sec-Butylbenzene	11.705	105	965058	47.20	ppb	98
104) p-Isopropyltoluene	11.827	119	880118	49.49	ppb	99

Data Path : I:\ACQUDATA\msvoa12\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50 Inst : MSVOA-12
 Misc : 8260/624 ICAL
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQUDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 QLast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

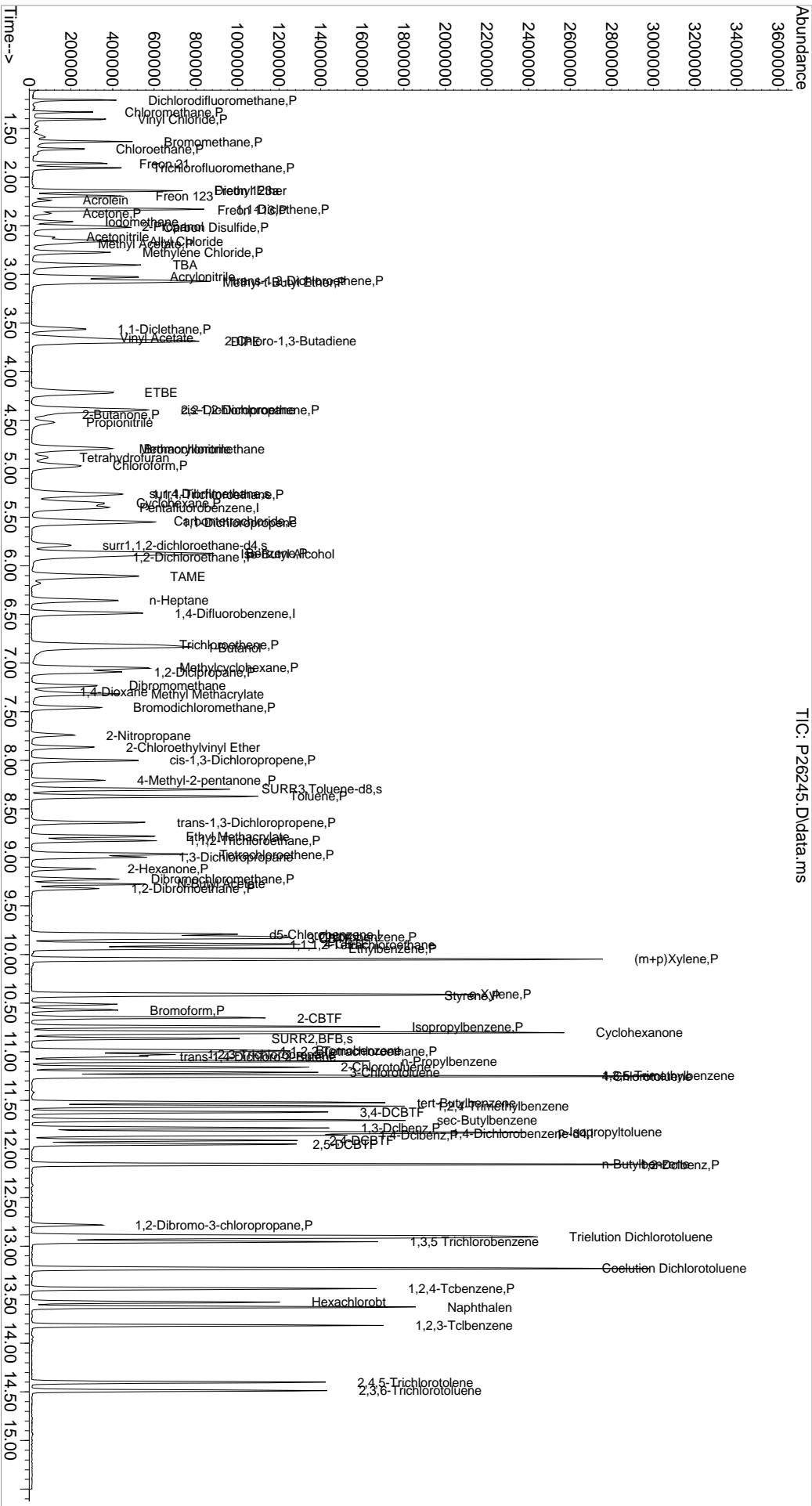
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,3-Dclbenz	11.784	146	498777	48.66	ppb	98
106) 1,4-Dclbenz	11.858	146	500790	47.76	ppb	96
107) 2,4-DCBTF	11.912	214	273322	53.43	ppb	98
108) 2,5-DCBTF	11.955	214	302662	53.31	ppb	100
109) n-Butylbenzene	12.156	91	712255	48.14	ppb	99
110) 1,2-Dclbenz	12.162	146	489321	47.92	ppb	99
111) 1,2-Dibromo-3-chloropr...	12.784	157	92677	45.43	ppb	97
112) Trielution Dichlorotol...	12.906	125	1329077	155.00	ppb	98
113) 1,3,5 Trichlorobenzene	12.955	180	426741	52.61	ppb	99
114) Coelution Dichlorotoluene	13.229	125	986060	103.07	ppb	99
115) 1,2,4-Tcbenzene	13.437	180	433547	50.94	ppb	98
116) Hexachlorobt	13.577	225	185718	50.51	ppb	99
117) Naphthalen	13.626	128	1176191	47.71	ppb	99
118) 1,2,3-Tclbenzene	13.815	180	440434	48.82	ppb	97
119) 2,4,5-Trichlorotoluene	14.400	159	316978	58.26	ppb	98
120) 2,3,6-Trichlorotoluene	14.485	159	304297	47.48	ppb	98

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

Data Path : I:\ACQDATA\msvoa12\Data\050119\
 Data File : P26245.D
 Acq On : 1 May 2019 5:31 pm
 Operator : K.Ruest
 Sample : ICV50
 Disc : 8260/624 ICAL
 PALS Vial : 14 Sample Multiplier: 1
 Quant Time: May 02 11:42:36 2019
 Quant Method : I:\ACQDATA\msvoa12\Methods\W050119.M
 Quant Title : MS#12 - 8260B WATERS 10mL Purge
 Qlast Update : Thu May 02 11:39:03 2019
 Response via : Initial Calibration

Inst : MSVOA-12

TIC: P26245.D\data.ms



Analysis: 5200/624 10/19 Analyst: V. Brest pH strips: N/A Tune Method: M05D119
 Date: 5/1/19 Balance ID: N/A ResCI strips: N/A Run Method: L
 Instr. 12 50 mL Class A used for dilution FV Syringes: 193043+ LIMS Run#: -1041-

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BUL							P20224		
2								P20225		
3								P20226		
4								P20227		
1								P20228		
2								P20229		
1	TRUE							P20230		(cont'd) 11:52
2	18.4							P20231	YB	
1	0.5 ppm	5000	5000					P20232	Y	
2	1.0	1000						P20233	Y	
3	2.0	2000						P20234	Y	
4	5.0	5000						P20235	Y	
5	30		2ul					P20236	Y	
6	50		5ul					P20237	Y	
7	100		10ul					P20238	Y	
8	150		15ul					P20239	Y	
9	200		20ul					P20240	Y	
10	BUL							P20241		
11								P20242		
12								P20243		
13								P20244		
14	1CV 50							P20245	Y	
15	BUL							P20246		

All samples = 5 mL + 5 ul combined IS/Surr. 5 mL purged

S20 Primary Oct: 197912
 Primary R+: 198019
 Primary T6: 198104
 Primary H5L: 198296
 Primary

S20 Secondary R+: 198059 - 12.5ul
 S20 Secondary T6: 198147
 S20 Secondary H5L: 198293
 Secondary

Combined IS/Surr
 Surrogate 50: 198898
 Internal Std 50: 199035
 Reagents:

P20
 1402 5/1/19

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/1/2019

Initial Calibration Summary
TCLP Volatile Organics by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900051-01	0.5ppb	I:\ACQUADATA\msvoa12\Data\050119\P26232.D	05/01/2019 12:47
02	RC1900051-02	1.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26233.D	05/01/2019 13:08
03	RC1900051-03	2.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26234.D	05/01/2019 13:30
04	RC1900051-04	5.0ppb	I:\ACQUADATA\msvoa12\Data\050119\P26235.D	05/01/2019 13:52
05	RC1900051-05	20ppb	I:\ACQUADATA\msvoa12\Data\050119\P26236.D	05/01/2019 14:14
06	RC1900051-06	50ppb	I:\ACQUADATA\msvoa12\Data\050119\P26237.D	05/01/2019 14:36
07	RC1900051-07	100ppb	I:\ACQUADATA\msvoa12\Data\050119\P26238.D	05/01/2019 14:58
08	RC1900051-08	150ppb	I:\ACQUADATA\msvoa12\Data\050119\P26239.D	05/01/2019 15:20
09	RC1900051-09	200ppb	I:\ACQUADATA\msvoa12\Data\050119\P26240.D	05/01/2019 15:42

Analyte

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4692	02	1.000	0.4368	03	2.000	0.4633	04	5.000	0.4223
05	20.000	0.4295	06	50.000	0.3925	07	100.000	0.3738	08	150.000	0.3645
09	200.000	0.3648									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5065	02	1.000	0.4642	03	2.000	0.493	04	5.000	0.4521
05	20.000	0.5053	06	50.000	0.4615	07	100.000	0.4327	08	150.000	0.4071
09	200.000	0.411									

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.316	04	5.000	0.2978	05	20.000	0.3068	06	50.000	0.296
07	100.000	0.2586	08	150.000	0.2276	09	200.000	0.2225			

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.5243	05	20.000	0.4339	06	50.000	0.4989	07	100.000	0.458
08	200.000	0.4167									

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.405	02	1.000	1.335	03	2.000	1.323	04	5.000	1.297
05	20.000	1.381	06	50.000	1.298	07	100.000	1.247	08	150.000	1.172
09	200.000	1.205									

Carbon Tetrachloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3834	02	1.000	0.4043	03	2.000	0.4238	04	5.000	0.4401
05	20.000	0.4651	06	50.000	0.4548	07	100.000	0.453	08	150.000	0.4398
09	200.000	0.457									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/1/2019

Initial Calibration Summary
TCLP Volatile Organics by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte

Chlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.986	02	1.000	1.111	03	2.000	1.145	04	5.000	1.138
05	20.000	1.182	06	50.000	1.086	07	100.000	1.11	08	150.000	1.054
09	200.000	1.08									

Chloroform

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9594	02	1.000	0.7903	03	2.000	0.8959	04	5.000	0.8047
05	20.000	0.8495	06	50.000	0.7825	07	100.000	0.7266	08	150.000	0.6549
09	200.000	0.6559									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3178	05	20.000	0.2691	06	50.000	0.2896	07	100.000	0.2896
08	200.000	0.2712									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3718	02	1.000	0.3128	03	2.000	0.3576	04	5.000	0.3574
05	20.000	0.3628	06	50.000	0.3482	07	100.000	0.3739	08	150.000	0.3667
09	200.000	0.3842									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.36	05	20.000	1.177	06	50.000	1.216	07	100.000	1.163
08	200.000	1.051									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4002	02	1.000	0.4063	03	2.000	0.4045	04	5.000	0.3994
05	20.000	0.4138	06	50.000	0.3976	07	100.000	0.4058	08	150.000	0.3889
09	200.000	0.4072									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5876	02	1.000	0.4546	03	2.000	0.4942	04	5.000	0.538
05	20.000	0.6041	06	50.000	0.529	07	100.000	0.5196	08	150.000	0.4762
09	200.000	0.4738									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/1/2019

Initial Calibration Summary
TCLP Volatile Organics by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	9.9	20	0.413	0.100
1,2-Dichloroethane	TRG	Average RF	% RSD	8.2	20	0.4593	0.100
2-Butanone (MEK)	TRG	Average RF	% RSD	14.0	20	0.2751	0.05
4-Bromofluorobenzene	SURR	Average RF	% RSD	9.6	20	0.4664	
Benzene	TRG	Average RF	% RSD	5.9	20	1.296	0.500
Carbon Tetrachloride	TRG	Average RF	% RSD	6.2	20	0.4357	0.05
Chlorobenzene	TRG	Average RF	% RSD	5.2	20	1.099	0.500
Chloroform	TRG	Average RF	% RSD	13.0	20	0.7911	0.200
Dibromofluoromethane	SURR	Average RF	% RSD	6.8	20	0.2875	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	5.7	20	0.3595	0.200
Toluene-d8	SURR	Average RF	% RSD	9.3	20	1.193	
Trichloroethene (TCE)	TRG	Average RF	% RSD	1.8	20	0.4026	0.200
Vinyl Chloride	TRG	Average RF	% RSD	9.9	20	0.5197	0.100

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/1/2019

Initial Calibration Verification Summary
TCLP Volatile Organics by GC/MS

Calibration ID: RC1900051
Instrument ID: R-MS-12

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900051-10	ICV50	I:\ACQUDATA\msvoa12\Data\050119\P26245.D	05/01/2019 17:31

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1-Dichloroethene (1,1-DCE)	50.0	50.0	4.13E-1	4.127E-1	-0.076	±30	Average RF
1,2-Dichloroethane	50.0	48.4	4.593E-1	4.449E-1	-3.129	±30	Average RF
2-Butanone (MEK)	50.0	57.0	2.751E-1	3.133E-1	13.91	±30	Average RF
Benzene	50.0	49.2	1.296E0	1.275E0	-1.584	±30	Average RF
Carbon Tetrachloride	50.0	52.5	4.357E-1	4.576E-1	5.02	±30	Average RF
Chlorobenzene	50.0	50.2	1.099E0	1.103E0	0.384	±30	Average RF
Chloroform	50.0	49.9	7.911E-1	7.891E-1	-0.254	±30	Average RF
Tetrachloroethene (PCE)	50.0	51.1	3.595E-1	3.673E-1	2.16	±30	Average RF
Trichloroethene (TCE)	50.0	49.1	4.026E-1	3.954E-1	-1.801	±30	Average RF
Vinyl Chloride	50.0	53.3	5.197E-1	5.542E-1	6.63	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	52.9	4.664E-1	4.933E-1	5.77	±30	Average RF
Dibromofluoromethane	50.0	49.9	2.875E-1	2.87E-1	-0.158	±30	Average RF
Toluene-d8	50.0	50.7	1.193E0	1.211E0	1.47	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 11:23

Continuing Calibration Verification (CCV) Summary
TCLP Volatile Organics by GC/MS

Analysis Method: 8260C
File ID: I:\ACQUADATA\msvoa12\Data\051319\P26688.D\
Signal ID: 1

Calibration Date: 5/1/2019
Calibration ID: RC1900051
Analysis Lot: 635198
Units: ppb

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,1-Dichloroethene (1,1-DCE)	50.0	41.4	0.413	0.3418	-17.2	NA	±20	Average RF
1,2-Dichloroethane	50.0	44.8	0.4593	0.4112	-10.5	NA	±20	Average RF
2-Butanone (MEK)	50.0	40.8	0.2751	0.2245	-18.4	NA	±20	Average RF
Benzene	50.0	45.8	1.2957	1.1858	-8.5	NA	±20	Average RF
Carbon Tetrachloride	50.0	44.9	0.4357	0.3912	-10.2	NA	±20	Average RF
Chlorobenzene	50.0	47.6	1.0992	1.0473	-4.7	NA	±20	Average RF
Chloroform	50.0	44.9	0.7911	0.7111	-10.1	NA	±20	Average RF
Tetrachloroethene (PCE)	50.0	49.6	0.3595	0.3565	-0.8	NA	±20	Average RF
Trichloroethene (TCE)	50.0	48.1	0.4026	0.3873	-3.8	NA	±20	Average RF
Vinyl Chloride	50.0	46.5	0.5197	0.4836	-6.9	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	50.3	0.4664	0.4691	0.6	NA	±20	Average RF
Dibromofluoromethane	50.0	49.2	0.2875	0.2826	-1.7	NA	±20	Average RF
Toluene-d8	50.0	50.2	1.1934	1.1983	0.4	NA	±20	Average RF

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

Analysis Run Log
TCLP Volatile Organics by GC/MS

Analysis Method:

Analysis Lot:635198
Instrument ID:R-MS-12

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUADATA\msvoa12\Data\051319\P26708.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	19:06:00	
I:\ACQUADATA\msvoa12\Data\051319\P26709.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	19:28:00	
I:\ACQUADATA\msvoa12\Data\051319\P26711.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	20:11:00	
I:\ACQUADATA\msvoa12\Data\051319\P26712.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	20:33:00	
I:\ACQUADATA\msvoa12\Data\051319\P26713.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	20:55:00	
I:\ACQUADATA\msvoa12\Data\051319\P26714.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	21:17:00	

Analysis: 8300/624 Wobers Analyst: V. Luont pH strips: 204018 Tune Method: W050119
 Date: 5/12/19 Balance ID: N/A ResCl strips: 063018 Run Method: ↓
 Instr: 12 50 mL Class A used for dilution FV Syringes: 193043 LIMS Run#: 635198

Data Path: j:\acquad\almvsoa\InstID\Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	BLK							P26683		
2	↓							P26684		
3	High STD							P26685		
4	TRUE							P26686		
1	↓							P26687		
1	CCV							P26688		
1	LC5-AC1D							P26689		
2	LC5-ump							P26690		
1	↓							P26691		
2	↓							P26692		
1	P19044336.01	1.0						P26693		
2	P19038339.002	10	5/50mLs					P26694		
3	P19038337.001	10	↓					P26695		
4	P1903998.001	10	↓					P26696		
5	P1904215.011	1.0						P26697		
6	↓							P26698		
7	P1904184.002	1.0						P26699		
8	↓							P26700		
9	P1904183.002	1.0						P26701		
10	↓							P26702		
11	↓							P26703		
12	P1904185.003	1.0						P26704		
13	↓							P26705		
14	↓							P26706		
15	P1904093.004	5.0						P26707		
16	↓							P26708		
17	P1904191.003	1.0						P26709		
18	P1904184.001	2.5	30/50mLs					P26710		
19	P1904200.001	1.0						P26711		
20	P1904149.003	1.0						P26712		
21	P1904153.002	1.0						P26713		
22	↓							P26714		

All samples = 5 mL + 5 uL combined IS/Surr. 5 mL purged

500 Primary GC# : 197917
 Primary RT : 198019
 Primary TG : 199136
 Primary HS : 198096
 Secondary GC# : 198019
 Secondary RT : 198014
 Secondary TG : 198017
 Secondary HS : 199133
 Surrogate SD : 198035
 Internal Std SD : 199035
 Reagents :
 Combined IS/Surr :
 Runlog:MSVQA4 1/17/17

Preparation Information Benchsheet

Prep Run#: 336262
 Team: Metals/CWOODS

Prep Workflow: TCLP ZHE
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 5/8/19 18:00

#	Lab Code	Client ID	B#	Amt Ext	Method / Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904326-01	MB		25g	EPA 1311/TCLP ZHE				500.00mL			
2	R1903839-002	Sludge	.01	25.1300g	EPA 1311/TCLP ZHE				500.00mL			
3	R1903897-001	U-60/67	.02	25.0400g	EPA 1311/TCLP ZHE				500.00mL			
4	R1903955-001	IDW-1	.02	25.0100g	EPA 1311/TCLP ZHE				500.00mL			

Preparation Materials
 ZHE Filter Paper 86338 (86338) TCLP Fluid #1 Concentrate 199237 (199237)

Preparation Steps
 Step: Leach
 Started: 5/8/19 18:00
 Finished: 5/9/19 10:30
 By: CWOODS
 Comments

Comments:

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____
 Extracts Examined
 Yes No

R1904215

SPDES Outfall 020 VOC Compositing for MPM Silicones Lab

flow rate weighted

020
Start Time 5/8/19 8:29 AM
End Time 5/9/19 8:00 AM
Sample Volume Required 100 ml

Sample	020	020	020
Period Start Time	Sample No.	Grab period hours	Sample Volume Required (ml)
5/8/19 8:29 AM	1	4.2	17.6 ✓
5/8/19 12:10 PM	2	4.0	16.7 ✓
5/8/19 4:10 PM	3	3.9	16.6 ✓
5/8/19 8:05 PM	4	3.9	16.3 ✓
5/9/19 12:00 AM	5	4.0	16.4 ✓
5/9/19 4:00 AM	6	4.0	16.4 ✓
5/9/19 8:00 AM	End Time		

Total sample size ml

100.00

Composited per above

ML 5/13/19



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dichlorobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
2,4,5-Trichlorophenol	100 U	100	1	05/13/19 14:04	5/9/19	
2,4,6-Trichlorophenol	100 U	100	1	05/13/19 14:04	5/9/19	
2,4-Dinitrotoluene	100 U	100	1	05/13/19 14:04	5/9/19	
2-Methylphenol	100 U	100	1	05/13/19 14:04	5/9/19	
3- and 4-Methylphenol Coelution	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachlorobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachlorobutadiene	100 U	100	1	05/13/19 14:04	5/9/19	
Hexachloroethane	100 U	100	1	05/13/19 14:04	5/9/19	
Nitrobenzene	100 U	100	1	05/13/19 14:04	5/9/19	
Pentachlorophenol (PCP)	500 U	500	1	05/13/19 14:04	5/9/19	
Pyridine	500 U	500	1	05/13/19 14:04	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	05/13/19 14:04	
2-Fluorobiphenyl	65	31 - 118	05/13/19 14:04	
2-Fluorophenol	37	10 - 105	05/13/19 14:04	
Nitrobenzene-d5	64	31 - 110	05/13/19 14:04	
Phenol-d6	25	10 - 107	05/13/19 14:04	
p-Terphenyl-d14	73	10 - 165	05/13/19 14:04	

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS013.D
 Acq On : 13 May 2019 2:04 pm
 Operator : JMisiurewicz
 Sample : R1903955-001
 Misc : 336330 8270D
 ALS Vial : 14 Sample Multiplier: 1

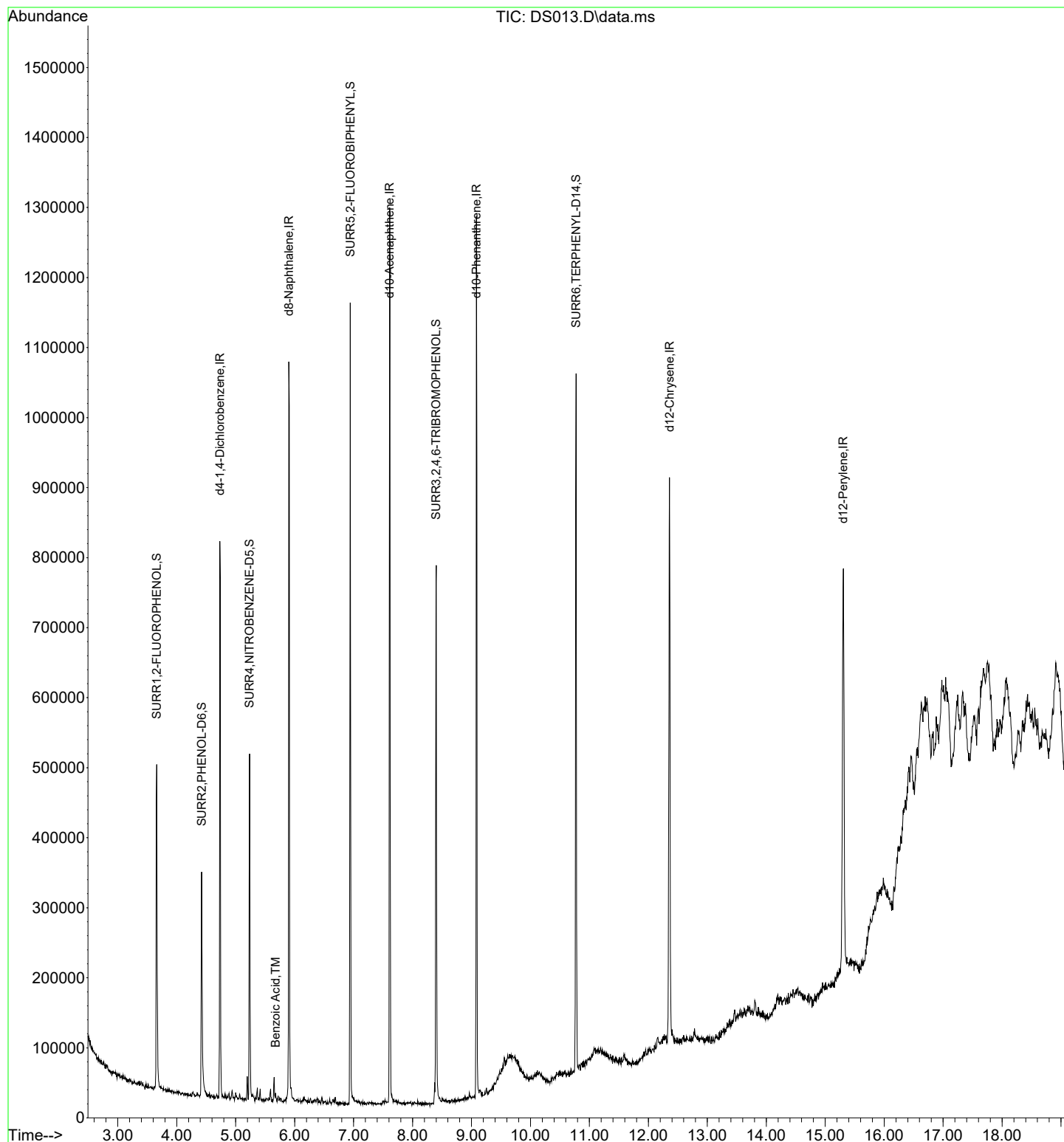
Quant Time: May 14 06:31:19 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

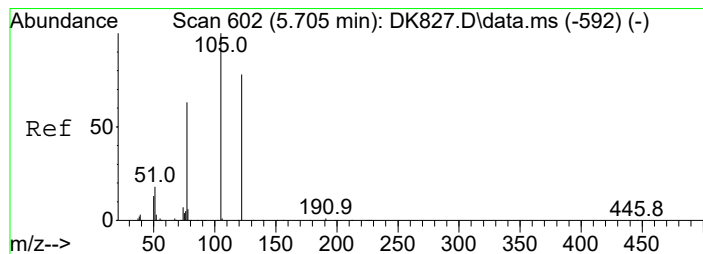
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	134355	40.00	ppm	0.00
33) d8-Naphthalene	5.902	136	509964	40.00	ppm	0.00
57) d10-Acenaphthene	7.611	164	263484	40.00	ppm	0.00
91) d10-Phenanthrene	9.085	188	413654	40.00	ppm	0.00
117) d12-Chrysene	12.359	240	371438	40.00	ppm	0.00
135) d12-Perylene	15.307	264	369293	40.00	ppm	0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.658	112	183239	37.50	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery =	37.50%		
12) SURR2,PHENOL-D6	4.422	99	151509	25.24	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	25.24%		
34) SURR4,NITROBENZENE-D5	5.234	82	164486	31.79	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	63.58%		
63) SURR5,2-FLUOROBIPHENYL	6.943	172	325941	32.53	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	65.06%		
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	93303	86.48	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	86.48%		
124) SURR6,TERPHENYL-D14	10.773	244	320657	36.65	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	73.30%		
Target Compounds						Qvalue
41) Benzoic Acid	5.677	105	5112	18.742	ppm	96

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS013.D
Acq On : 13 May 2019 2:04 pm
Operator : JMisiurewicz
Sample : R1903955-001
Misc : 336330 8270D
ALS Vial : 14 Sample Multiplier: 1

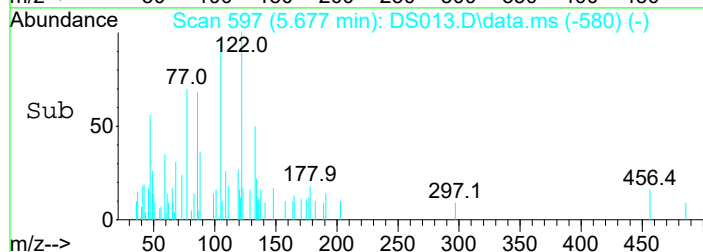
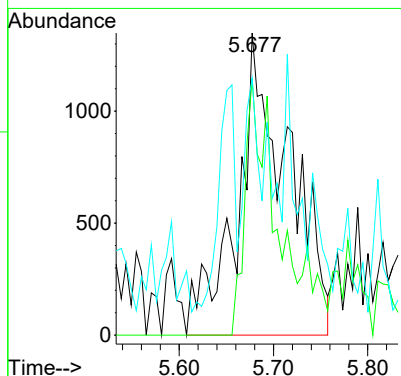
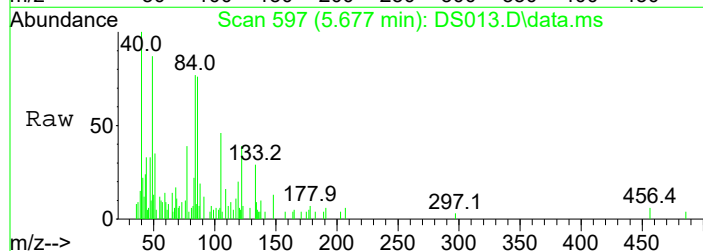
Quant Time: May 14 06:31:19 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration





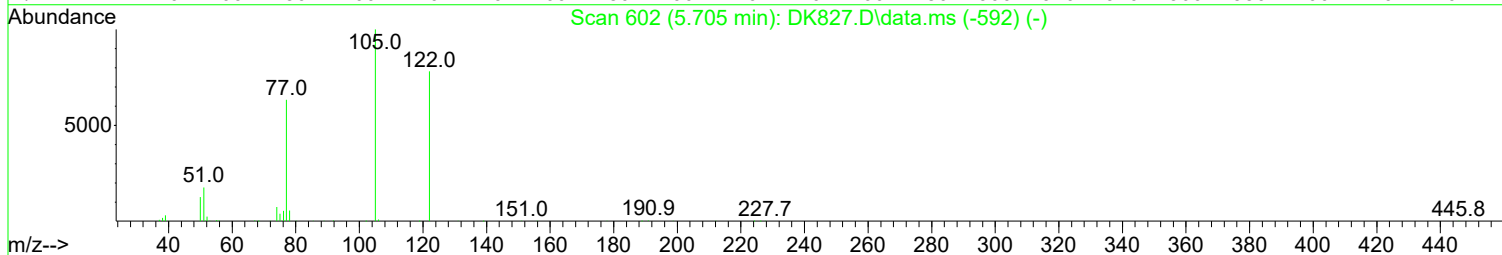
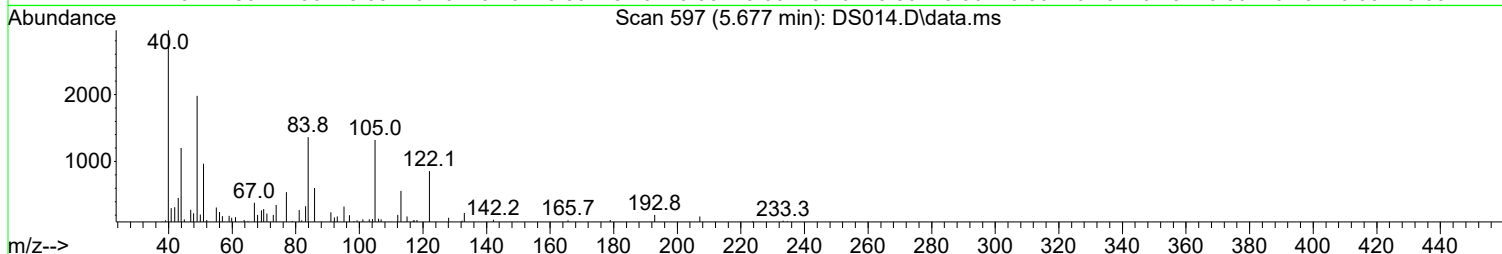
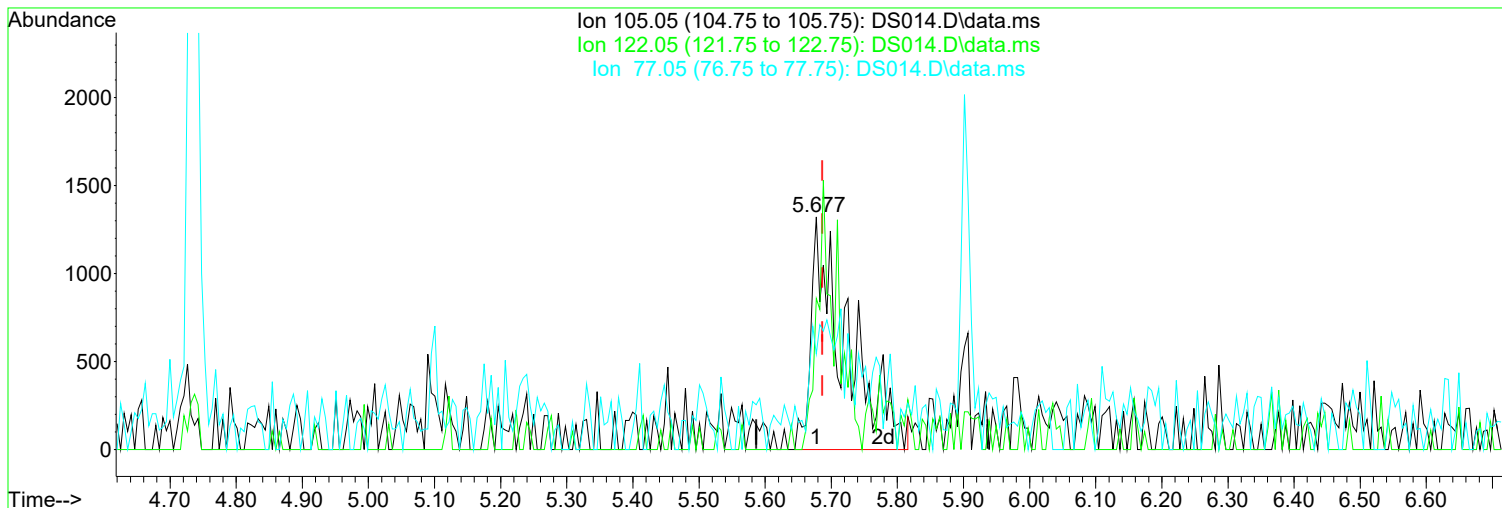
#41
 Benzoic Acid
 Concen: 18.74 ppm
 RT: 5.677 min Scan# 597
 Delta R.T. -0.010 min
 Lab File: DS013.D
 Acq: 13 May 2019 2:04 pm

Tgt Ion	Resp	Lower	Upper
105	100		
122	86.5	47.4	117.4
77	67.0	34.6	104.6



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS014.D
 Acq On : 13 May 2019 2:34 pm
 Operator : JMisiurewicz
 Sample : RQ1904325-01
 Misc : 336330 8270D EQBLK
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 06:31:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



(41) Benzoic Acid (TM)

Manual Integration:

5.677min (-0.010) 18.73 ppm m

After

response 4860

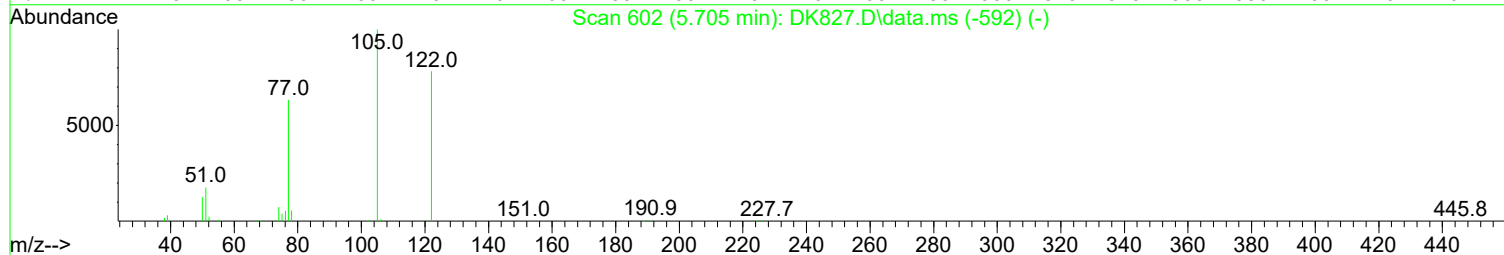
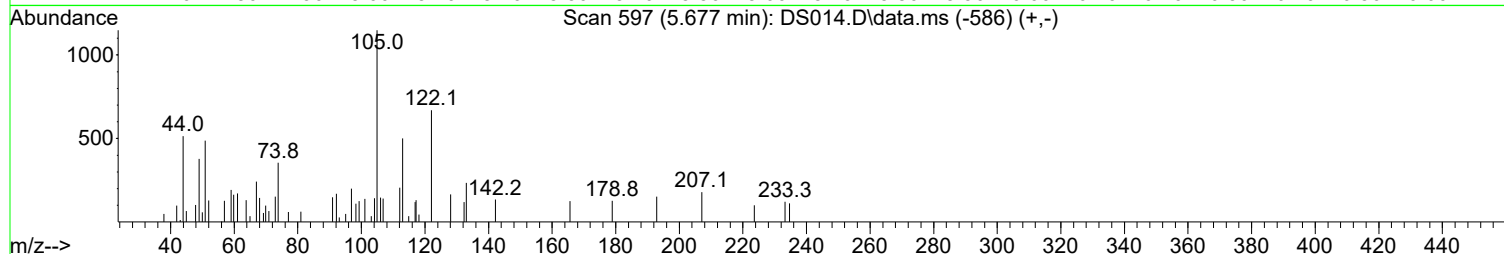
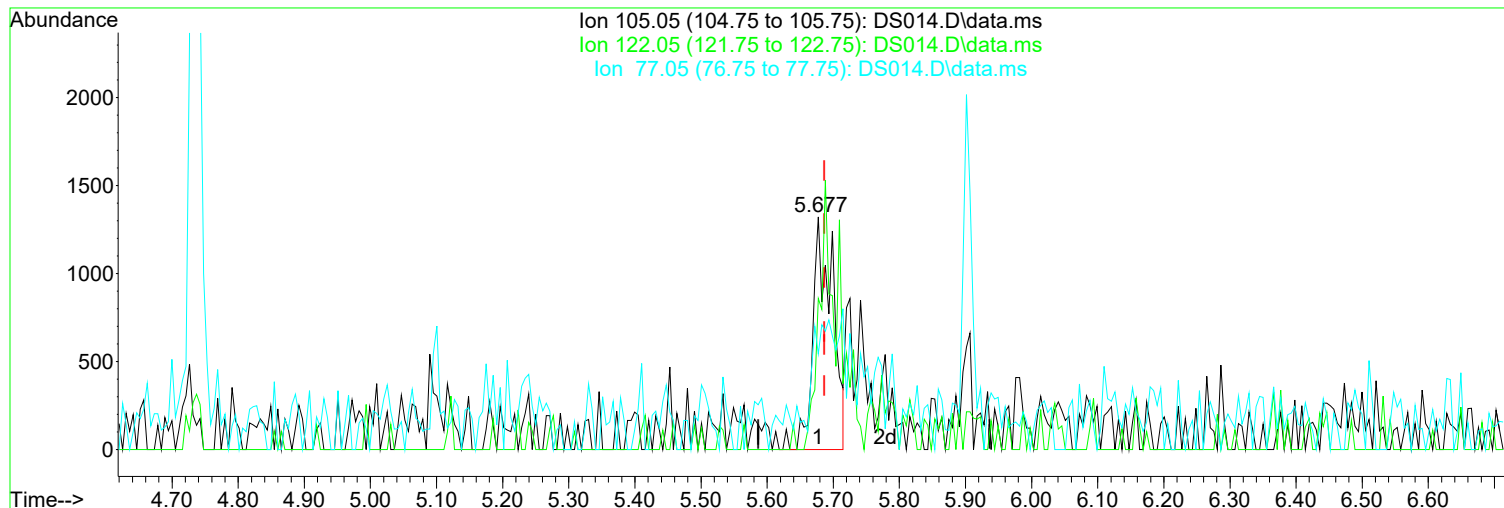
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	64.85
77.05	69.60	41.04
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS014.D
Acq On : 13 May 2019 2:34 pm
Operator : JMisiurewicz
Sample : RQ1904325-01
Misc : 336330 8270D EQBLK
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 14 06:31:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS014.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.677min (-0.010) 17.92 ppm

Before

response 2747

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	53.98
77.05	69.60	5.31#
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS014.D
 Acq On : 13 May 2019 2:34 pm
 Operator : JMisiurewicz
 Sample : RQ1904325-01
 Misc : 336330 8270D EQBLK
 ALS Vial : 15 Sample Multiplier: 1

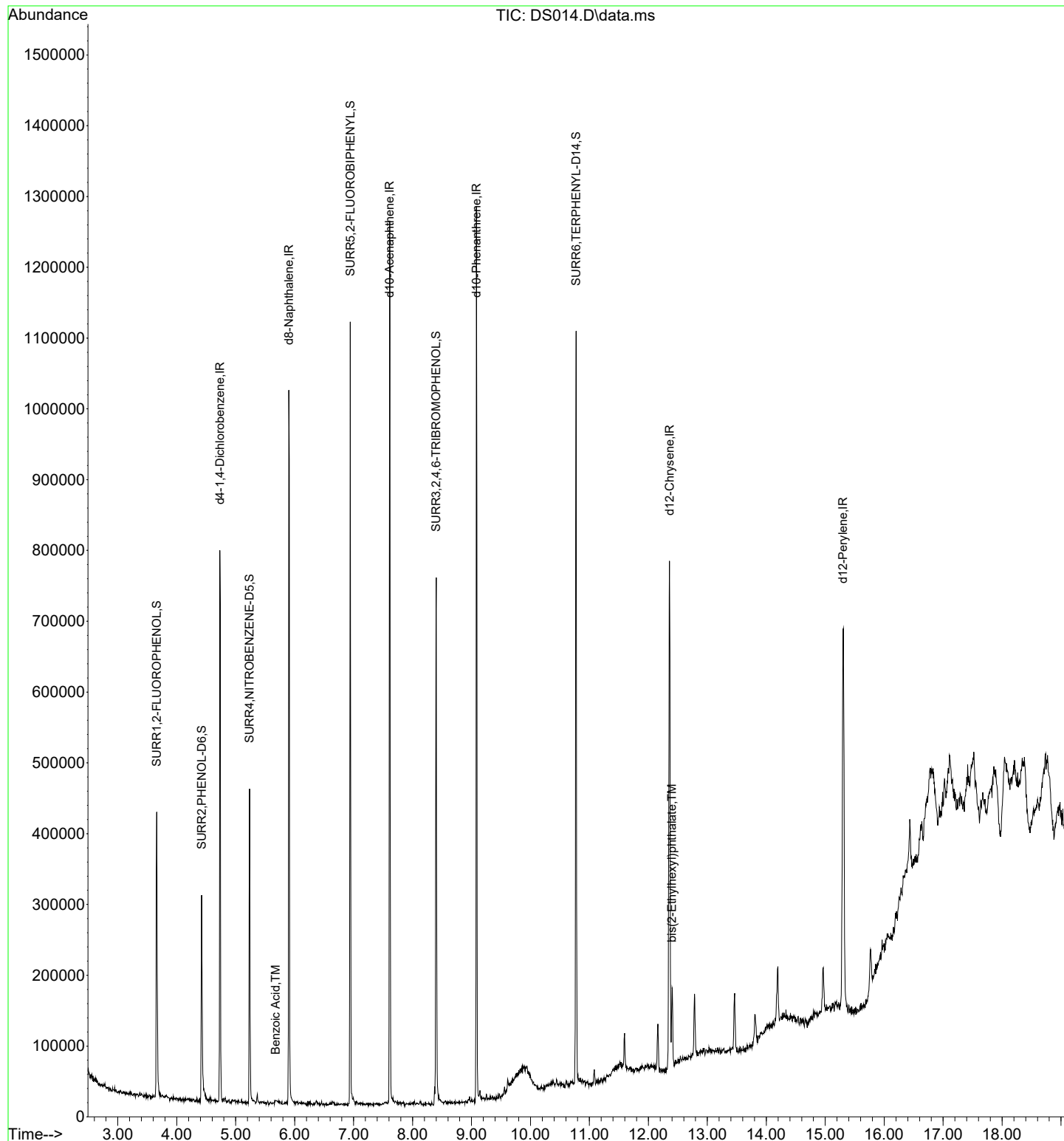
Quant Time: May 14 06:31:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

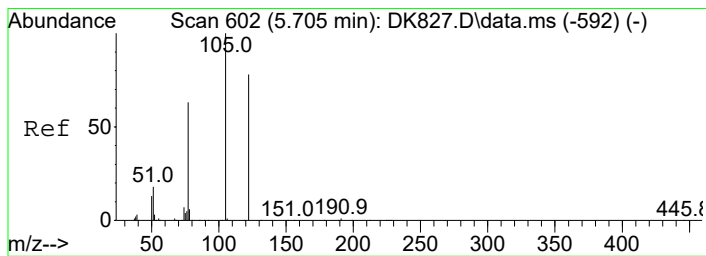
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	128390	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	489093	40.00	ppm	0.00
57) d10-Acenaphthene	7.611	164	254331	40.00	ppm	0.00
91) d10-Phenanthrene	9.085	188	402434	40.00	ppm	0.00
117) d12-Chrysene	12.359	240	358389	40.00	ppm	0.00
135) d12-Perylene	15.302	264	356132	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.658	112	160027	34.27	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery =	34.27%		
12) SURR2,PHENOL-D6	4.422	99	135673	23.65	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	23.65%		
34) SURR4,NITROBENZENE-D5	5.234	82	154448	31.12	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	62.24%		
63) SURR5,2-FLUOROBIPHENYL	6.943	172	311243	32.18	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	64.36%		
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	90815	87.20	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	87.20%		
124) SURR6,TERPHENYL-D14	10.773	244	328778	38.94	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	77.88%		
Target Compounds						Qvalue
41) Benzoic Acid	5.677	105	4860m	18.726	ppm	
134) bis(2-Ethylhexyl)phtha...	12.402	149	50671	5.044	ppm	94

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS014.D
Acq On : 13 May 2019 2:34 pm
Operator : JMisiurewicz
Sample : RQ1904325-01
Misc : 336330 8270D EQBLK
ALS Vial : 15 Sample Multiplier: 1

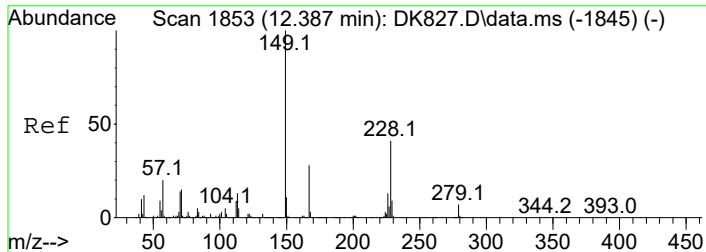
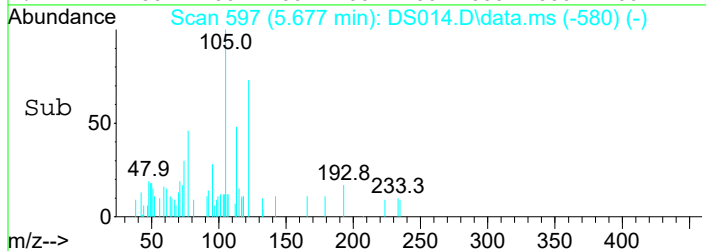
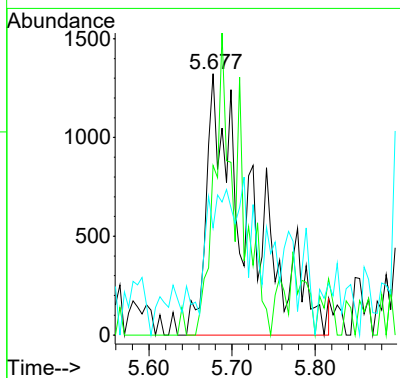
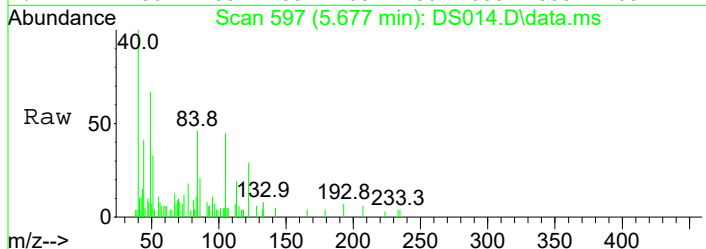
Quant Time: May 14 06:31:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration





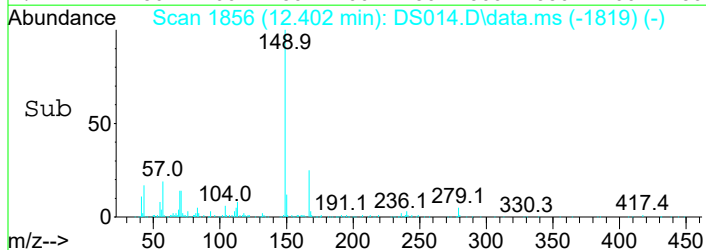
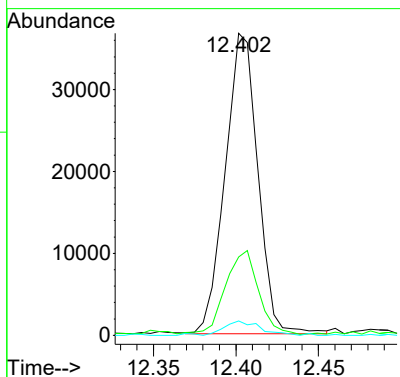
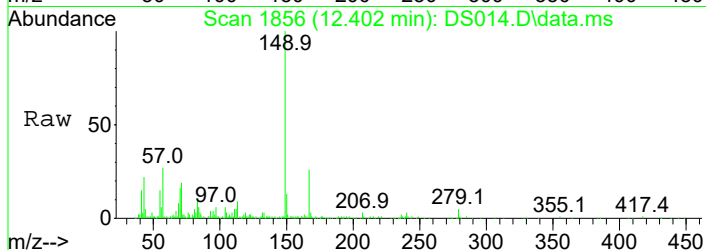
#41
 Benzoic Acid
 Concen: 18.73 ppm m
 RT: 5.677 min Scan# 597
 Delta R.T. -0.010 min
 Lab File: DS014.D
 Acq: 13 May 2019 2:34 pm

Tgt Ion	Resp	Lower	Upper
105	100		
122	64.9	47.4	117.4
77	41.0	34.6	104.6



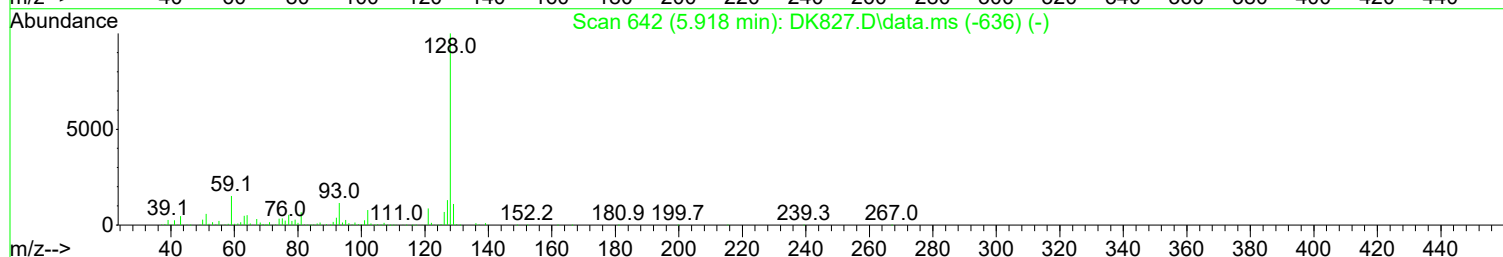
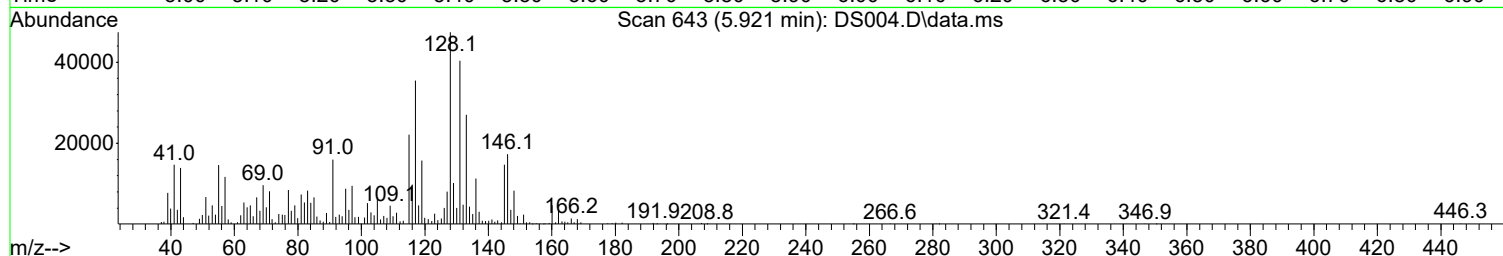
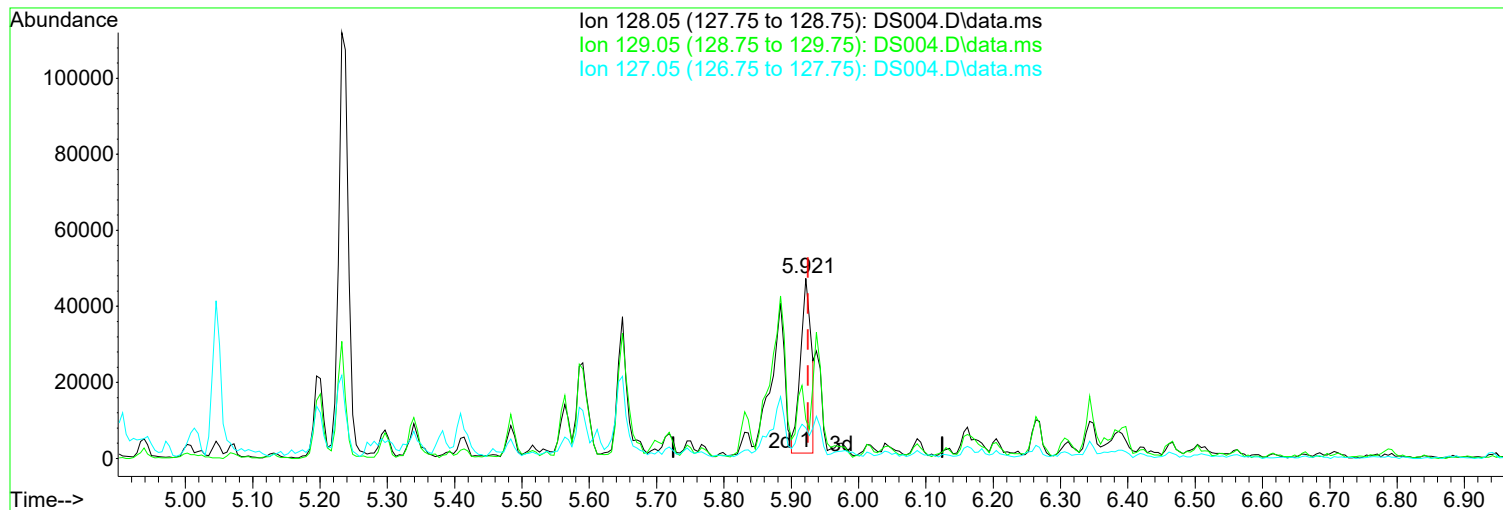
#134
 bis(2-Ethylhexyl)phthalate
 Concen: 5.04 ppm
 RT: 12.402 min Scan# 1856
 Delta R.T. -0.001 min
 Lab File: DS014.D
 Acq: 13 May 2019 2:34 pm

Tgt Ion	Resp	Lower	Upper
149	100		
167	25.6	8.9	48.9
279	4.5	0.0	25.9



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS004.D\data.ms

(45) Naphthalene (TM)

Manual Integration:

5.921min (-0.004) 3.57 ppm m

After

response 51251

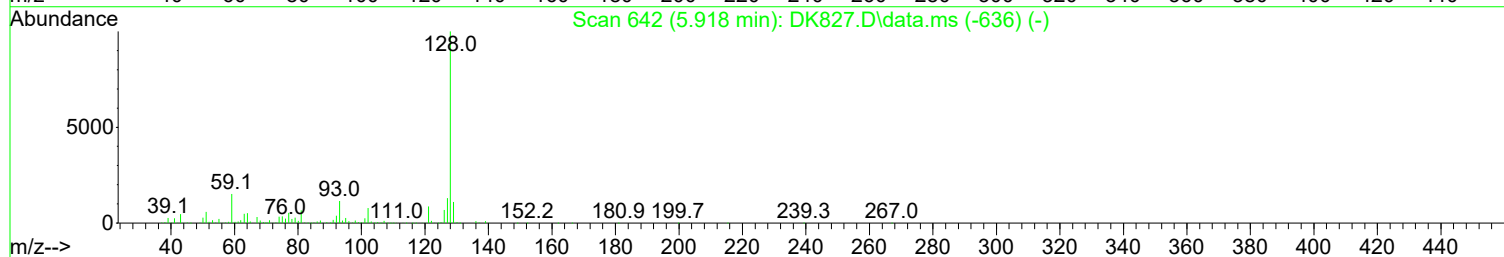
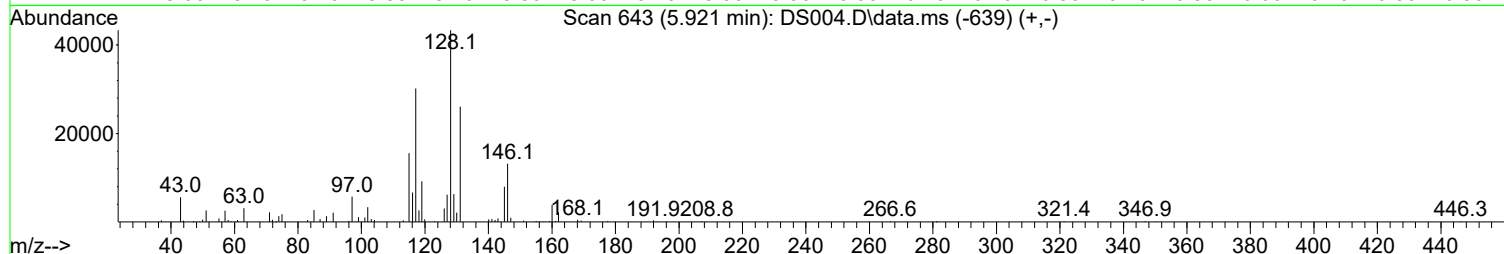
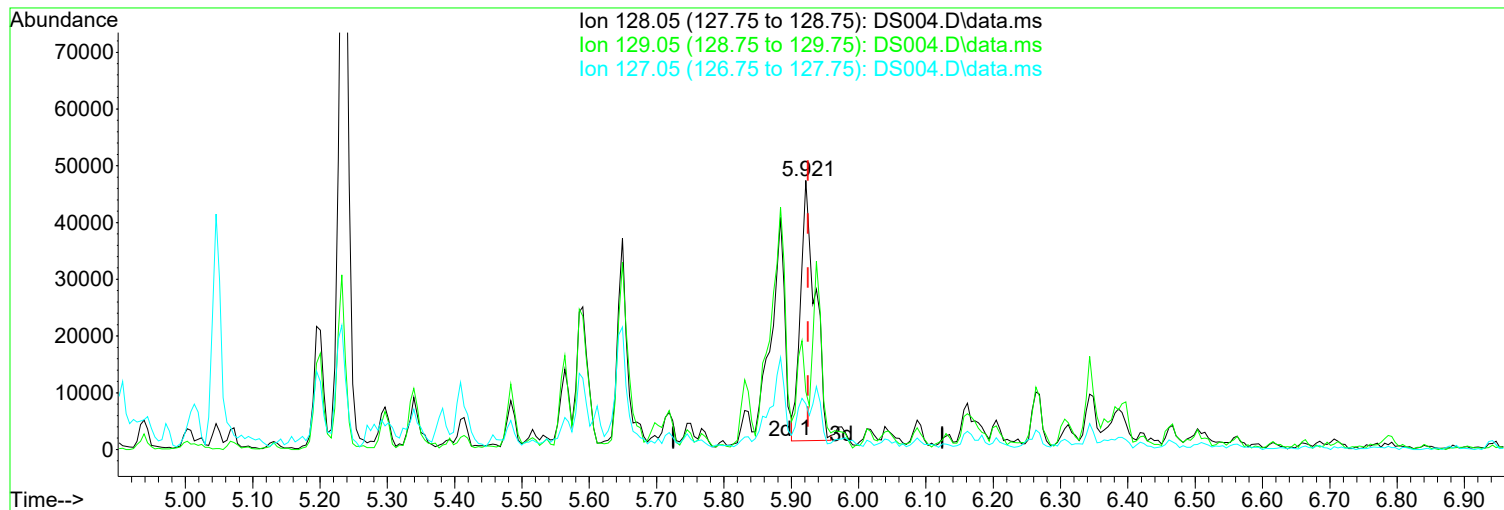
Poor integration.

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	21.57
127.05	13.10	16.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS004.D\data.ms

(45) Naphthalene (TM)

Manual Integration:

5.921min (-0.004) 4.81 ppm

Before

response 68913

Ion Exp% Act%

05/14/19

128.05 100.00 100.00

129.05 11.10 14.57

127.05 13.10 14.32

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS004.D
 Acq On : 13 May 2019 9:38 am
 Operator : JMisiurewicz
 Sample : RQ1904334-01
 Misc : 336273/330 8270D/625 BLK RQ1904365-01
 ALS Vial : 5 Sample Multiplier: 1

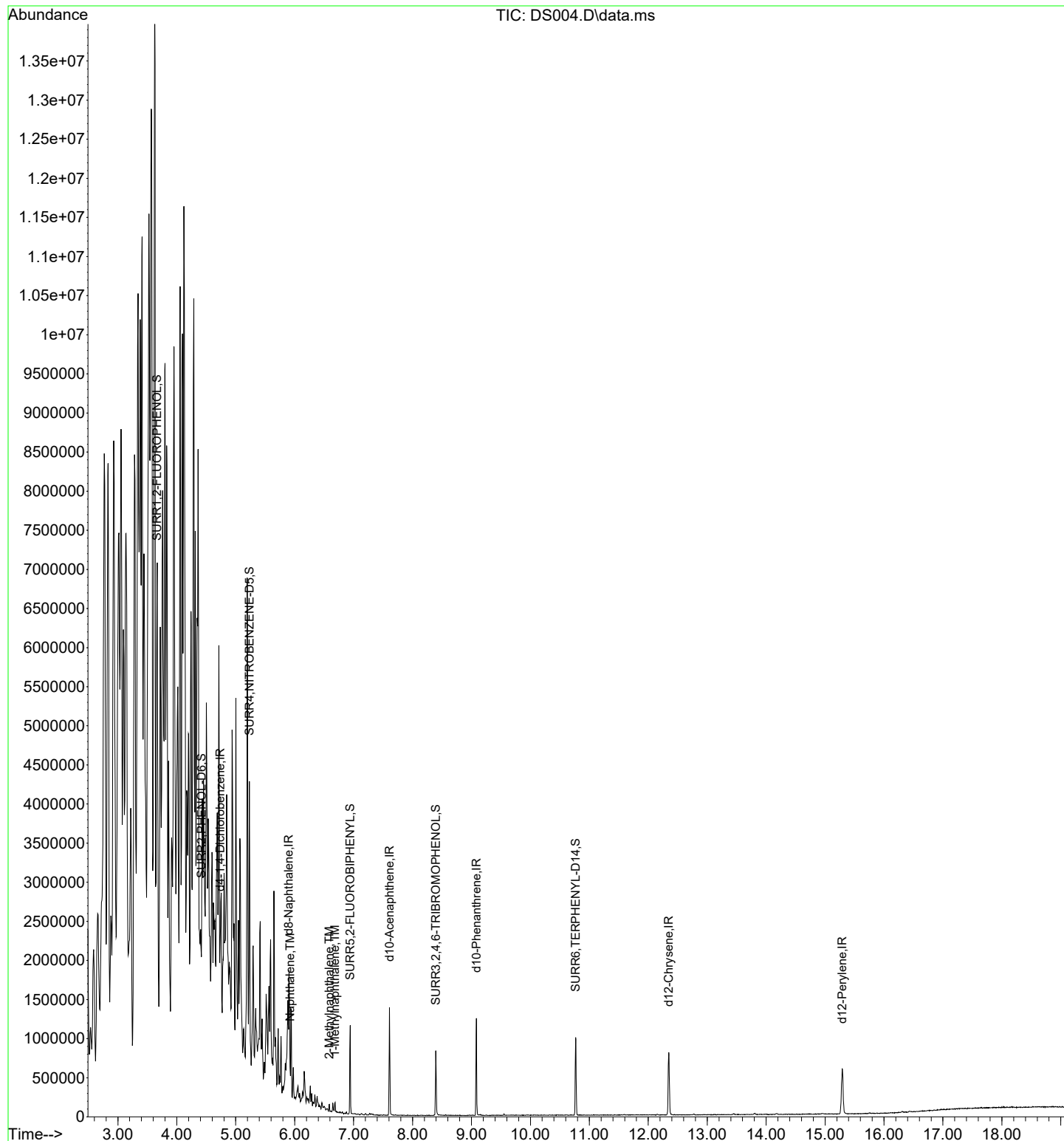
Quant Time: May 14 06:30:23 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

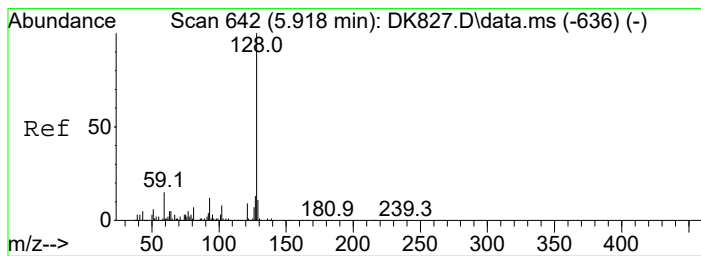
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	144115	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	520257	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	263517	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	422100	40.00	ppm	0.00
117) d12-Chrysene	12.347	240	391086	40.00	ppm	0.00
135) d12-Perylene	15.290	264	382993	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	170685	32.56	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery =	32.56%		
12) SURR2,PHENOL-D6	4.421	99	138939	21.57	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	21.57%		
34) SURR4,NITROBENZENE-D5	5.232	82	171195	32.43	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	64.86%		
63) SURR5,2-FLUOROBIPHENYL	6.942	172	329305	32.86	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	65.72%		
88) SURR3,2,4,6-TRIBROMOPH...	8.394	330	92575	85.79	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	85.79%		
124) SURR6,TERPHENYL-D14	10.766	244	341533	37.07	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	74.14%		
Target Compounds						
45) Naphthalene	5.921	128	51251m	3.574	ppm	Qvalue
55) 2-Methylnaphthalene	6.589	142	28748	3.098	ppm	95
56) 1-Methylnaphthalene	6.685	142	33184	3.822	ppm	93

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

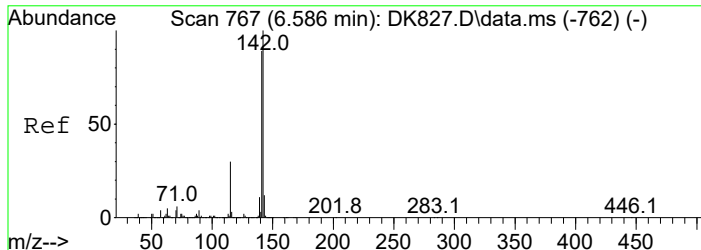
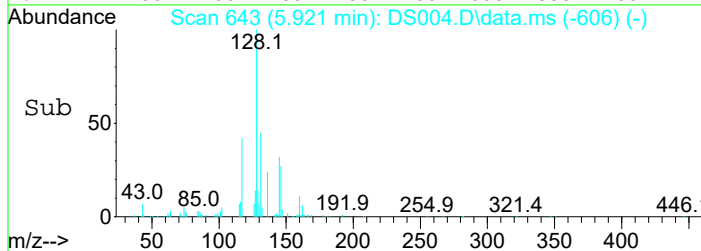
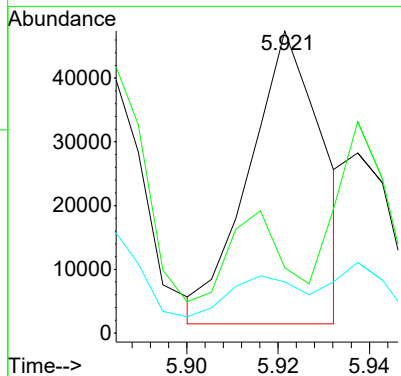
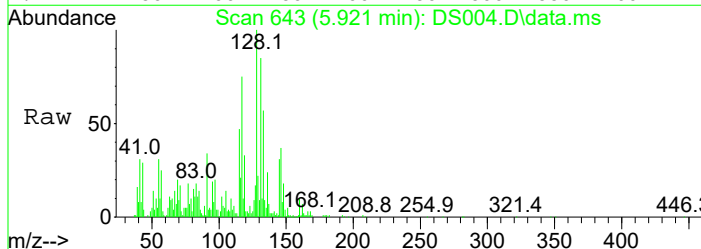
Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration





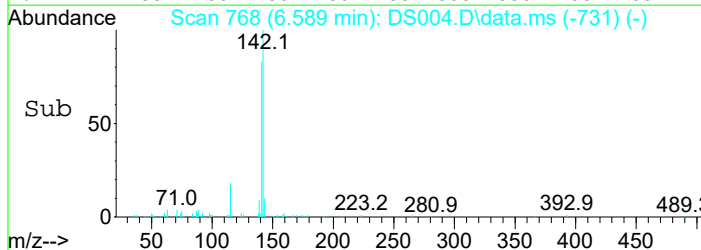
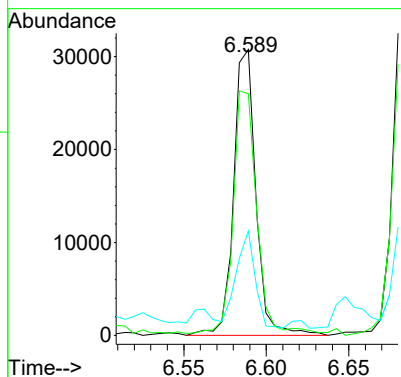
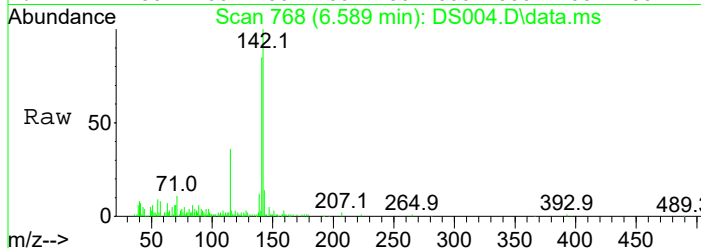
#45
 Naphthalene
 Concen: 3.57 ppm m
 RT: 5.921 min Scan# 643
 Delta R.T. -0.004 min
 Lab File: DS004.D
 Acq: 13 May 2019 9:38 am

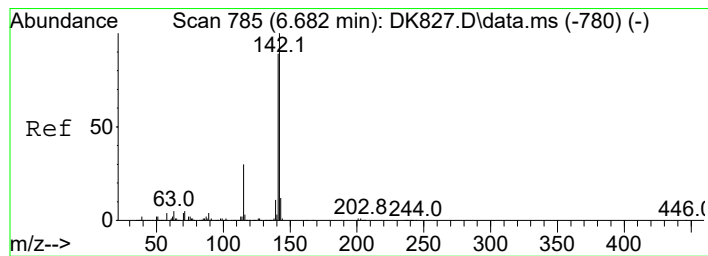
Tgt Ion	Resp	Lower	Upper
128	51251		
129	21.6	0.0	31.1
127	17.0	0.0	33.1



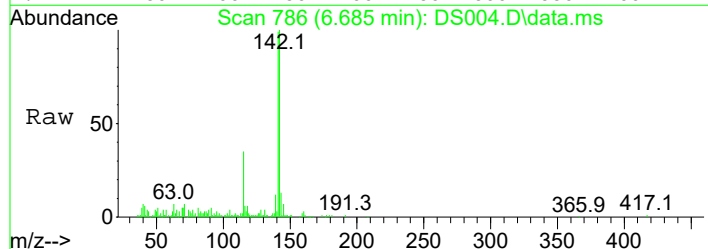
#55
 2-Methylnaphthalene
 Concen: 3.10 ppm
 RT: 6.589 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: DS004.D
 Acq: 13 May 2019 9:38 am

Tgt Ion	Resp	Lower	Upper
142	28748		
141	83.7	70.1	110.1
115	32.9	12.3	52.3

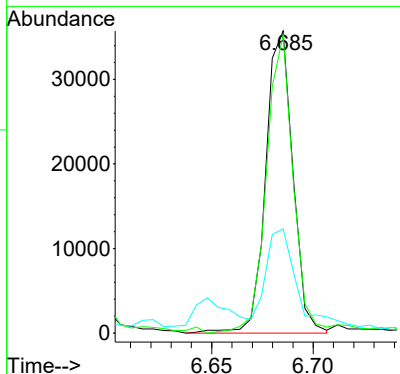
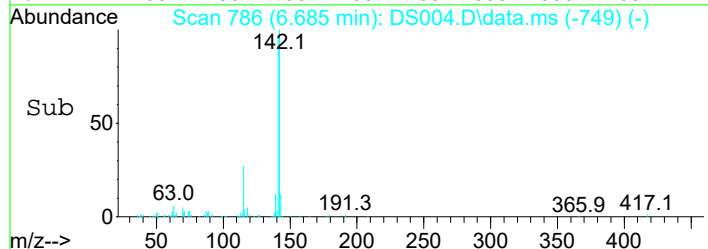




#56
1-Methylnaphthalene
Concen: 3.82 ppm
RT: 6.685 min Scan# 786
Delta R.T. 0.000 min
Lab File: DS004.D
Acq: 13 May 2019 9:38 am



Tgt Ion	Resp	Lower	Upper
142	100		
141	97.7	60.3	120.3
115	30.7	3.8	63.8



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS005.D
 Acq On : 13 May 2019 10:07 am
 Operator : JMisiurewicz
 Sample : RQ1904334-02
 Misc : 336273/330 8270D/625 LCS RQ1904365-02
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 06:30:28 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	139773	40.00	ppm	0.00	
33) d8-Naphthalene	5.900	136	565034	40.00	ppm	0.00	
57) d10-Acenaphthene	7.609	164	269101	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	385845	40.00	ppm	0.00	
117) d12-Chrysene	12.352	240	405052	40.00	ppm	0.00	
135) d12-Perylene	15.295	264	385979	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.657	112	167437	32.93	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	32.93%	
12) SURR2,PHENOL-D6	4.421	99	146027	23.38	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	23.38%	
34) SURR4,NITROBENZENE-D5	5.233	82	164219	28.64	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	57.28%	
63) SURR5,2-FLUOROBIPHENYL	6.942	172	326962	31.95	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	63.90%	
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	87764	79.65	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	79.65%	
124) SURR6,TERPHENYL-D14	10.766	244	343823	36.03	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	72.06%	
Target Compounds							
							Qvalue
2) Pyridine	2.637	79	139368	25.525	ppm		97
3) N-Nitrosodimethylamine	2.594	74	63652	19.507	ppm	#	52
10) Benzaldehyde	4.362	106	118868	33.246	ppm		98
11) Aniline	4.448	93	228564	28.673	ppm		97
13) Phenol	4.432	94	100788	14.755	ppm		95
14) bis(2-Clethyl)Ether	4.490	93	157649	33.355	ppm		96
16) 2-Chlorophenol	4.560	128	149443	27.851	ppm		98
17) 1,3-Diclbzene	4.683	146	138056	24.722	ppm		97
18) 1,4-Dichlorobenzene	4.747	146	145048	25.382	ppm		96
19) 1,2-Diclbzene	4.880	146	140004	25.641	ppm		98
20) Benzyl Alcohol	4.854	79	102445	28.190	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.891	99	43602	13.128	ppm		89
22) 2,2'-oxybis(1-Chloropr...	4.960	45	196339	43.232	ppm		94
23) 2-Methylphenol	4.955	108	122352	25.413	ppm		86
24) 3+4-Methylphenol	5.094	108	123000	22.578	ppm		96
25) Acetophenone	5.088	105	423804	62.636	ppm		97
26) N-Nitroso-Di-n-propyla...	5.078	70	124051	33.994	ppm	#	76
30) Hexachloroethane	5.179	117	59342	26.979	ppm		94
32) Alpha-terpinol	5.922	121	69016	38.655	ppm		94
35) Nitrobenzene	5.249	77	172632	29.976	ppm		97
37) Isophorone	5.462	82	342891	35.721	ppm		98
38) 2-Nitrophenol	5.543	139	94376	31.675	ppm		96
39) 2,4-Dimethylphenol	5.580	107	169200	31.535	ppm		95
40) bis(-2-Chloroethoxy)Me...	5.660	93	206255	36.545	ppm		99
41) Benzoic Acid	5.676	105	117631	56.282	ppm		96
42) 2,4-Dichlorophenol	5.783	162	131563	30.956	ppm		96
44) 1,2,4-Trichlorobenzene	5.842	180	122112	27.250	ppm		96
45) Naphthalene	5.922	128	442321	28.403	ppm		98
46) 4-Chloroaniline	5.975	127	204445	31.374	ppm		99
48) Hexachlorobutadiene	6.023	225	64571	28.439	ppm		100
50) 4-Chloro-3-methylphenol	6.456	107	133085	31.353	ppm		98
52) Caprolactam	6.312	113	15704	9.322	ppm		94
55) 2-Methylnaphthalene	6.584	142	300464	29.813	ppm		99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS005.D
 Acq On : 13 May 2019 10:07 am
 Operator : JMisiurewicz
 Sample : RQ1904334-02
 Misc : 336273/330 8270D/625 LCS RQ1904365-02
 ALS Vial : 6 Sample Multiplier: 1

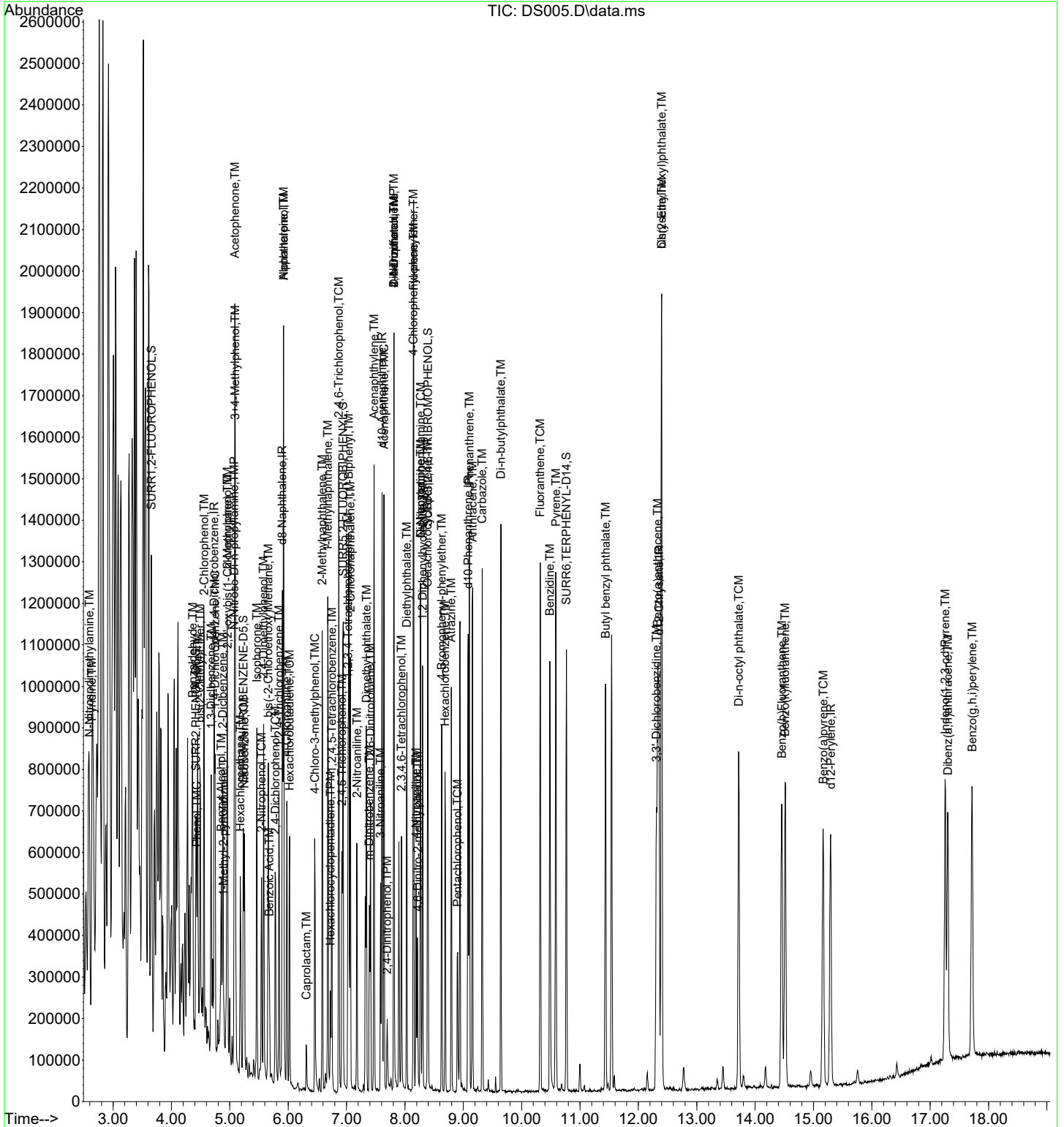
Quant Time: May 14 06:30:28 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.680	142	299547	31.769	ppm	98
58) Hexachlorocyclopentadiene	6.723	237	32173	20.637	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.750	216	120927	30.532	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.027	216	125226	30.027	ppm	95
61) 2,4,6-Trichlorophenol	6.867	196	88711	35.363	ppm	99
62) 2,4,5-Trichlorophenol	6.920	196	99000	36.692	ppm	97
65) 1,1'-Biphenyl	7.038	154	362407	30.401	ppm	99
66) 2-Chloronaphthalene	7.065	162	282130	32.744	ppm	98
67) 2-Nitroaniline	7.177	65	90693	36.823	ppm	97
69) m-Dinitrobenzene	7.391	168	56062	33.117	ppm	79
70) Acenaphthylene	7.471	152	480139	34.791	ppm	99
71) Dimethyl phthalate	7.342	163	347456	34.491	ppm	100
72) 2,6-Dinitrotoluene	7.412	165	83360	36.449	ppm	94
73) Acenaphthene	7.642	153	318887	33.216	ppm	98
74) 3-Nitroaniline	7.583	138	80534	30.632	ppm	94
75) 2,4-Dinitrophenol	7.695	184	29725	40.771	ppm	99
76) Dibenzofuran	7.812	168	428131	36.114	ppm	98
77) 2,4-Dinitrotoluene	7.812	165	106497	35.259	ppm	98
78) 4-Nitrophenol	7.812	65	26475	15.349	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.941	232	70442	38.915	ppm	98
83) Fluorene	8.149	166	354715	36.391	ppm	97
84) 4-Chlorophenyl-phenyle...	8.144	204	156118	39.700	ppm	99
85) Diethylphthalate	8.031	149	321770	32.253	ppm	99
86) 4-Nitroaniline	8.192	138	87127	33.598	ppm	90
90) Octachlorocyclopentene	8.389	307	36658	28.921	ppm	93
93) 4,6-Dinitro-2-methylph...	8.218	198	53069	35.681	ppm	96
94) Diphenylamine	8.266	169	277029	40.631	ppm	100
95) 1,2-Diphenylhydrazine	8.304	77	369663	42.964	ppm	98
96) N-Nitrosodiphenylamine	8.266	169	277652	40.722	ppm	100
101) 4-Bromophenyl-phenylether	8.630	248	88589	43.910	ppm	97
102) Hexachlorobenzene	8.688	284	94074	41.464	ppm	97
104) Atrazine	8.795	215	49192	44.589	ppm	94
105) Pentachlorophenol	8.902	266	44217	56.839	ppm	95
111) Phenanthrene	9.105	178	452610	37.092	ppm	100
112) Anthracene	9.158	178	469974	38.763	ppm	98
113) Carbazole	9.324	167	484842	40.711	ppm	99
114) Di-n-butylphthalate	9.644	149	618485	40.178	ppm	100
116) Fluoranthene	10.317	202	521393	41.737	ppm	98
122) Benzidine	10.483	184	456282	48.008	ppm	98
123) Pyrene	10.584	202	543079	36.512	ppm	100
128) Butyl benzyl phthalate	11.439	149	292790	35.483	ppm	98
131) 3,3'-Dichlorobenzidine	12.310	252	185183	34.371	ppm	98
132) Benzo(a)anthracene	12.331	228	508600	36.979	ppm	98
133) Chrysene	12.400	228	487422	38.522	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.400	149	410354	36.139	ppm	97
136) Di-n-octyl phthalate	13.720	149	684690	37.378	ppm	98
138) Benzo(b)Fluoranthene	14.457	252	466864	36.347	ppm	98
139) Benzo(k)fluoranthene	14.515	252	473417	38.915	ppm	97
140) Benzo(a)pyrene	15.167	252	437824	39.636	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.255	276	420629	38.829	ppm	98
143) Dibenz(a,h)anthracene	17.304	278	379128	33.402	ppm	96
144) Dibenz(g,h,i)perylene	17.720	276	455494	48.787	ppm	95

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

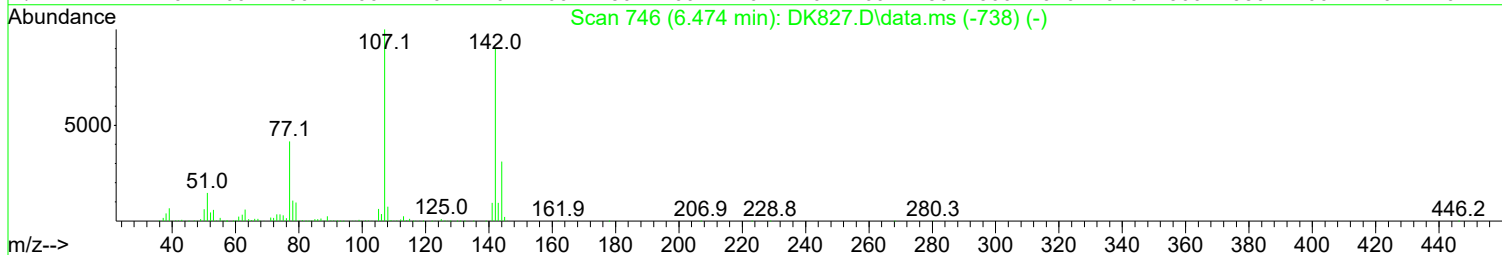
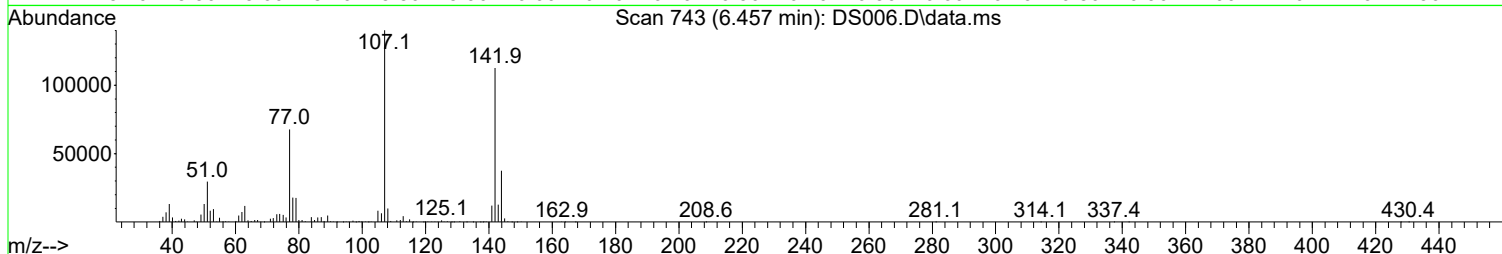
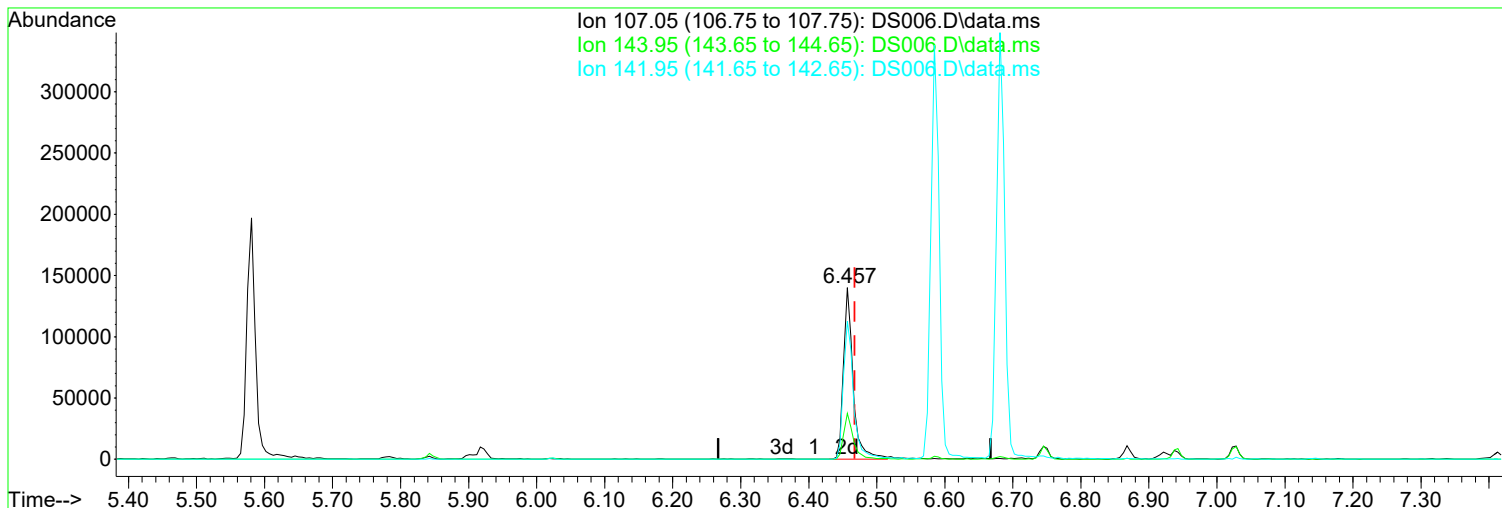
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS005.D
Acq On : 13 May 2019 10:07 am
Operator : JMisiurewicz
Sample : RQ1904334-02
Misc : 336273/330 8270D/625 LCS RQ1904365-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 06:30:28 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.457min (-0.011) 31.19 ppm m

After

response 139186

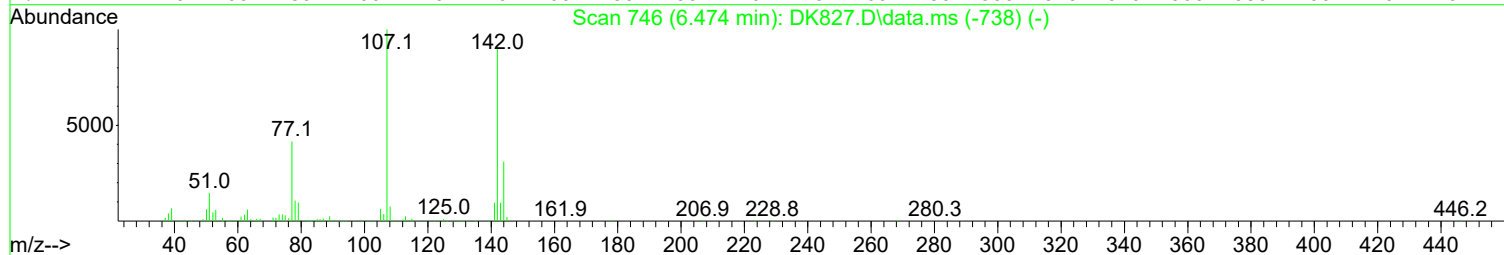
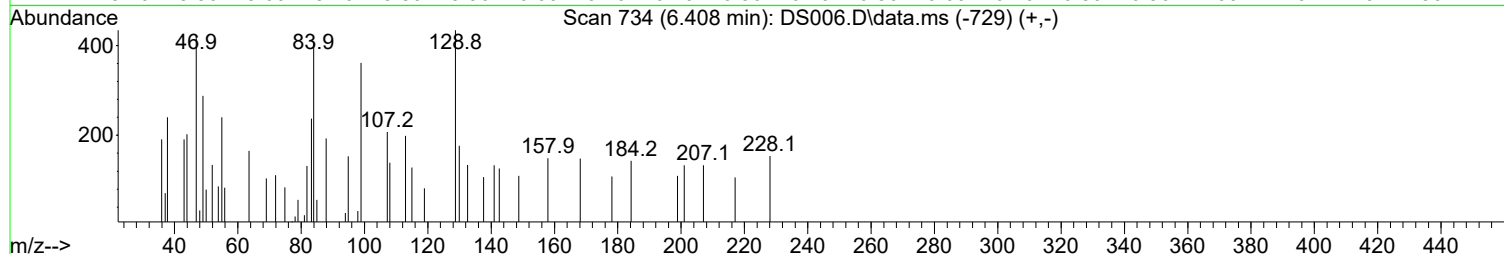
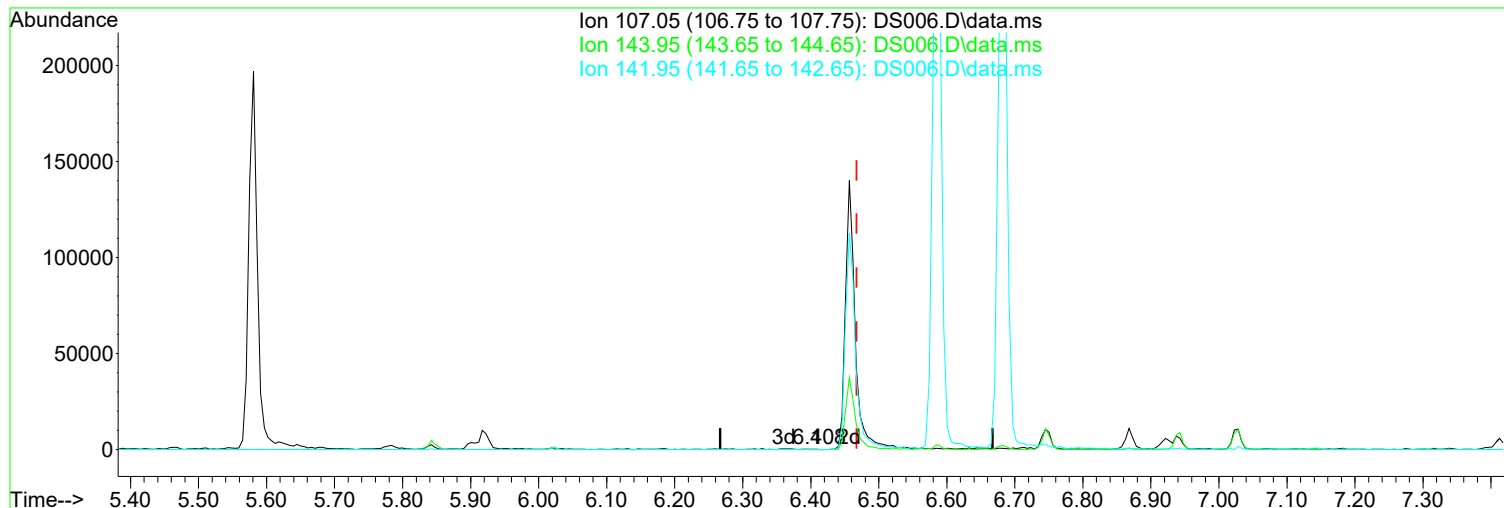
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	29.60	26.79
141.95	88.00	80.38
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS006.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.408min (-0.059) 0.05 ppm

Before

response 230

Ion Exp% Act%

05/14/19

107.05 100.00 100.00

143.95 29.60 0.00

141.95 88.00 60.87

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS006.D
 Acq On : 13 May 2019 10:36 am
 Operator : JMisiurewicz
 Sample : RQ1904334-03
 Misc : 336273/330 8270D/625 LCSD RQ1904365-03
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	143987	40.00	ppm	0.00	
33) d8-Naphthalene	5.901	136	594044	40.00	ppm	0.00	
57) d10-Acenaphthene	7.610	164	277100	40.00	ppm	0.00	
91) d10-Phenanthrene	9.079	188	402049	40.00	ppm	0.00	
117) d12-Chrysene	12.353	240	427340	40.00	ppm	0.00	
135) d12-Perylene	15.291	264	412551	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.658	112	182296	34.81	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	34.81%	
12) SURR2,PHENOL-D6	4.416	99	152947	23.77	ppm	-0.01	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	23.77%	
34) SURR4,NITROBENZENE-D5	5.233	82	170678	28.31	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	56.62%	
63) SURR5,2-FLUOROBIPHENYL	6.943	172	326383	30.98	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	61.96%	
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	88413	77.92	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	77.92%	
124) SURR6,TERPHENYL-D14	10.767	244	333915	33.17	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	66.34%	
Target Compounds							
							Qvalue
2) Pyridine	2.632	79	109395	19.449	ppm		94
3) N-Nitrosodimethylamine	2.595	74	68220	20.295	ppm	#	78
10) Benzaldehyde	4.363	106	123431	33.512	ppm		95
11) Aniline	4.448	93	202312	24.637	ppm		98
13) Phenol	4.432	94	104159	14.802	ppm		98
14) bis(2-Clethyl)Ether	4.491	93	161631	33.196	ppm		95
16) 2-Chlorophenol	4.555	128	153313	27.736	ppm		97
17) 1,3-Diclbzene	4.683	146	141991	24.683	ppm		98
18) 1,4-Dichlorobenzene	4.747	146	143418	24.362	ppm		99
19) 1,2-Diclbzene	4.881	146	143750	25.556	ppm		99
20) Benzyl Alcohol	4.854	79	109723	29.309	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.886	99	45742	13.369	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	204030	43.610	ppm		85
23) 2-Methylphenol	4.956	108	129547	26.120	ppm		90
24) 3+4-Methylphenol	5.095	108	127742	22.762	ppm		94
25) Acetophenone	5.089	105	433047	62.128	ppm		99
26) N-Nitroso-Di-n-propyla...	5.079	70	124305	33.067	ppm	#	77
30) Hexachloroethane	5.180	117	58793	25.947	ppm		97
32) Alpha-terpinol	5.922	121	67056	36.458	ppm		94
35) Nitrobenzene	5.249	77	172573	28.503	ppm		98
37) Isophorone	5.463	82	343808	34.068	ppm		99
38) 2-Nitrophenol	5.543	139	93486	29.844	ppm		94
39) 2,4-Dimethylphenol	5.581	107	181925	32.250	ppm		97
40) bis(-2-Chloroethoxy)Me...	5.661	93	206085	34.731	ppm		98
41) Benzoic Acid	5.682	105	135686	60.199	ppm		93
42) 2,4-Dichlorophenol	5.778	162	128603	28.782	ppm		94
44) 1,2,4-Trichlorobenzene	5.842	180	117873	25.020	ppm		99
45) Naphthalene	5.922	128	429100	26.209	ppm		99
46) 4-Chloroaniline	5.976	127	199419	29.108	ppm		98
48) Hexachlorobutadiene	6.024	225	63648	26.664	ppm		95
50) 4-Chloro-3-methylphenol	6.457	107	139186m	31.189	ppm		
52) Caprolactam	6.312	113	16762	9.464	ppm		89
55) 2-Methylnaphthalene	6.585	142	288726	27.249	ppm		98

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS006.D
 Acq On : 13 May 2019 10:36 am
 Operator : JMisiurewicz
 Sample : RQ1904334-03
 Misc : 336273/330 8270D/625 LCSD RQ1904365-03
 ALS Vial : 7 Sample Multiplier: 1

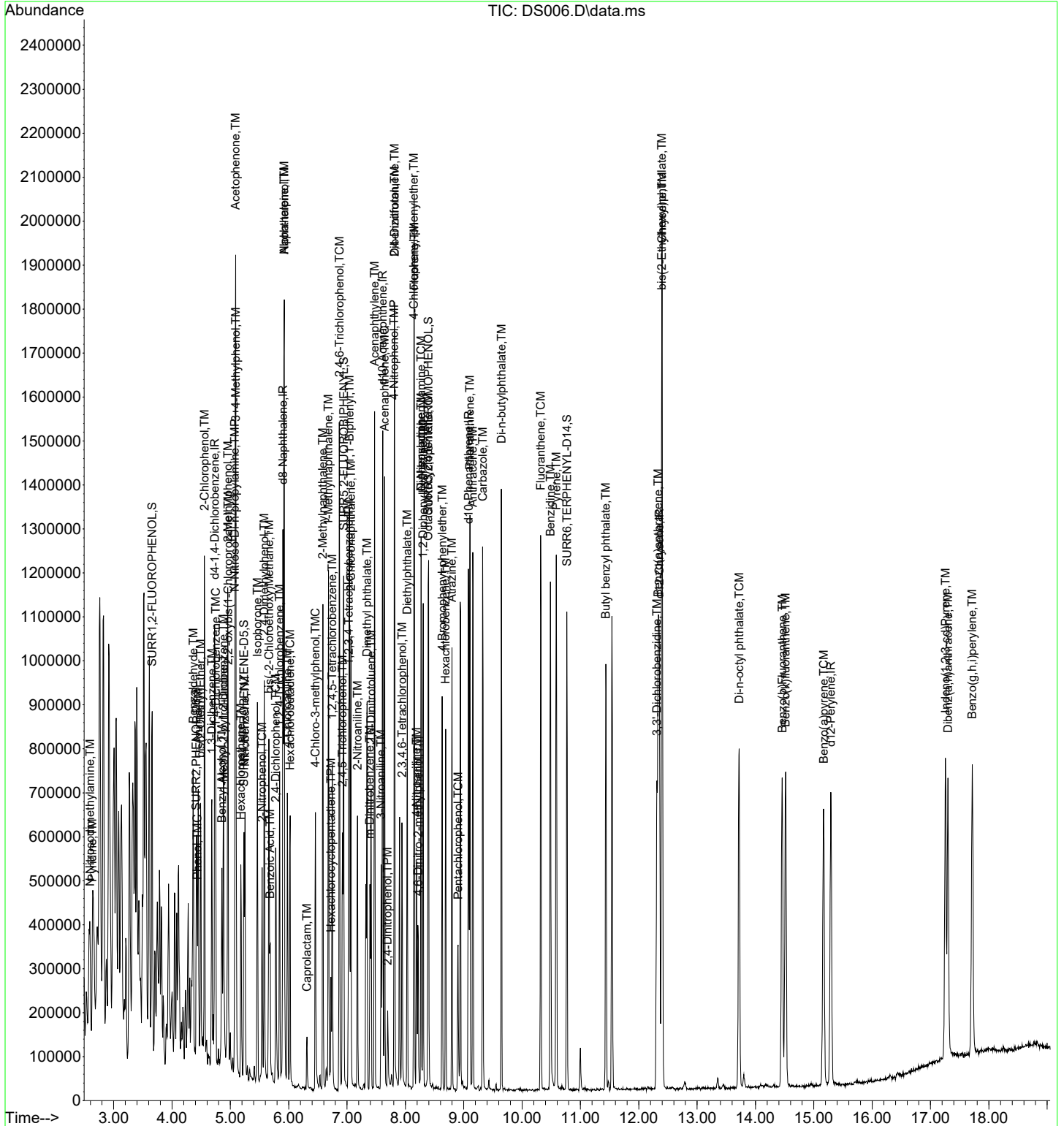
Quant Time: May 14 06:30:33 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.681	142	292104	29.466	ppm	98
58) Hexachlorocyclopentadiene	6.724	237	31256	19.594	ppm	90
59) 1,2,4,5-Tetrachloroben...	6.745	216	117650	28.848	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.028	216	121010	28.178	ppm	98
61) 2,4,6-Trichlorophenol	6.868	196	92305	35.734	ppm	100
62) 2,4,5-Trichlorophenol	6.921	196	99329	35.751	ppm	98
65) 1,1'-Biphenyl	7.039	154	360427	29.362	ppm	99
66) 2-Chloronaphthalene	7.065	162	275750	31.080	ppm	98
67) 2-Nitroaniline	7.178	65	94320	37.190	ppm	98
69) m-Dinitrobenzene	7.391	168	60743	34.847	ppm	82
70) Acenaphthylene	7.471	152	476016	33.496	ppm	98
71) Dimethyl phthalate	7.343	163	347931	33.541	ppm	99
72) 2,6-Dinitrotoluene	7.413	165	82624	35.085	ppm	97
73) Acenaphthene	7.642	153	314250	31.788	ppm	96
74) 3-Nitroaniline	7.583	138	81790	30.212	ppm	96
75) 2,4-Dinitrophenol	7.696	184	29389	39.463	ppm	99
76) Dibenzofuran	7.813	168	418149	34.253	ppm	99
77) 2,4-Dinitrotoluene	7.813	165	109356	35.160	ppm	99
78) 4-Nitrophenol	7.808	65	32499	18.297	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.941	232	71339	38.272	ppm	94
83) Fluorene	8.150	166	350774	34.948	ppm	98
84) 4-Chlorophenyl-phenyle...	8.144	204	155169	38.320	ppm	99
85) Diethylphthalate	8.032	149	323846	31.524	ppm	97
86) 4-Nitroaniline	8.192	138	92010	34.456	ppm	97
90) Octachlorocyclopentene	8.390	307	37131	28.448	ppm	94
93) 4,6-Dinitro-2-methylph...	8.219	198	51907	33.493	ppm	99
94) Diphenylamine	8.267	169	278706	39.229	ppm	99
95) 1,2 Diphenylhydrazine	8.305	77	364816	40.692	ppm	98
96) N-Nitrosodiphenylamine	8.267	169	278706	39.229	ppm	99
101) 4-Bromophenyl-phenylether	8.630	248	87209	41.484	ppm	98
102) Hexachlorobenzene	8.689	284	92599	39.169	ppm	94
104) Atrazine	8.796	215	51049	44.408	ppm	92
105) Pentachlorophenol	8.903	266	43518	54.185	ppm	96
111) Phenanthrene	9.106	178	451910	35.542	ppm	99
112) Anthracene	9.154	178	467969	37.042	ppm	98
113) Carbazole	9.325	167	478799	38.583	ppm	99
114) Di-n-butylphthalate	9.645	149	612167	38.165	ppm	99
116) Fluoranthene	10.318	202	516345	39.667	ppm	99
122) Benzidine	10.484	184	522238	52.082	ppm	98
123) Pyrene	10.585	202	537312	34.240	ppm	98
128) Butyl benzyl phthalate	11.434	149	282419	32.442	ppm	97
131) 3,3'-Dichlorobenzidine	12.310	252	186749	32.854	ppm	97
132) Benzo(a)anthracene	12.332	228	509382	35.104	ppm	99
133) Chrysene	12.401	228	498279	37.327	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.396	149	411532	34.353	ppm	99
136) Di-n-octyl phthalate	13.720	149	680234	34.743	ppm	99
138) Benzo(b)Fluoranthene	14.457	252	475346	34.624	ppm	98
139) Benzo(k)fluoranthene	14.516	252	476917	36.678	ppm	97
140) Benzo(a)pyrene	15.168	252	444474	37.646	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.256	276	437494	37.785	ppm	96
143) Dibenz(a,h)anthracene	17.299	278	387025	31.902	ppm	96
144) Benzo(g,h,i)perylene	17.715	276	460627	46.159	ppm	98

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

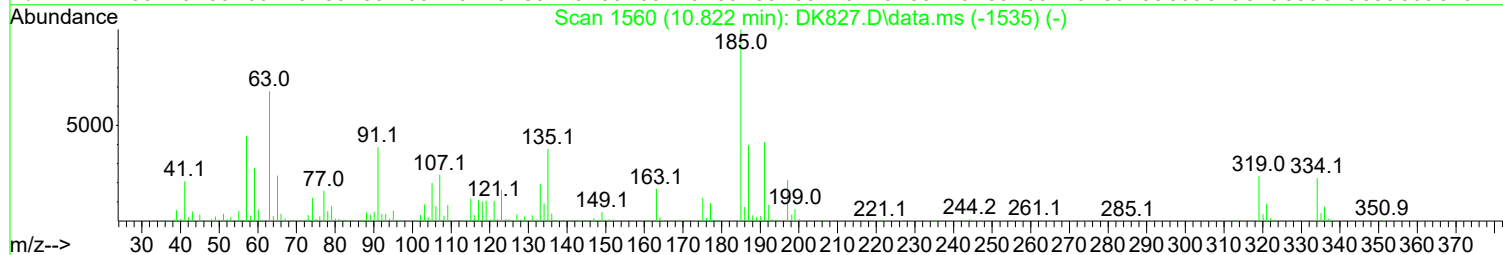
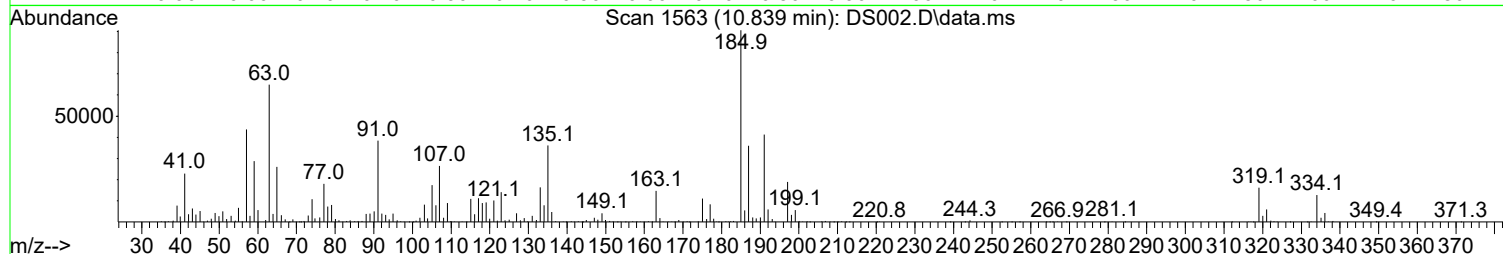
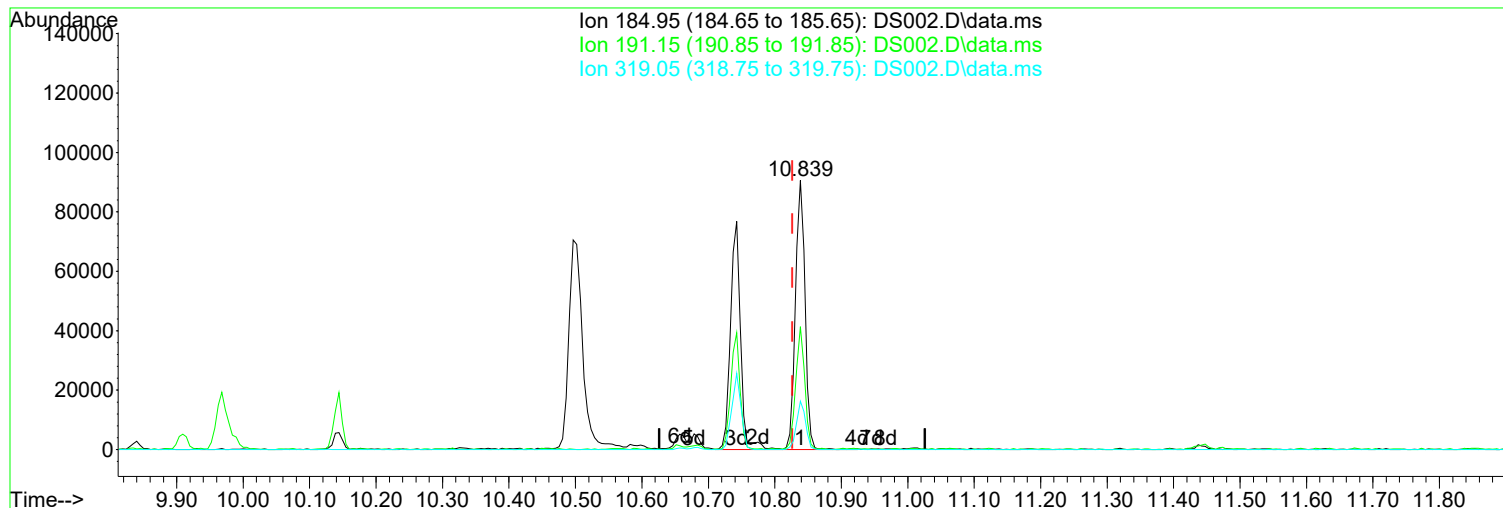
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 79.64 ppm m

After

response 171604

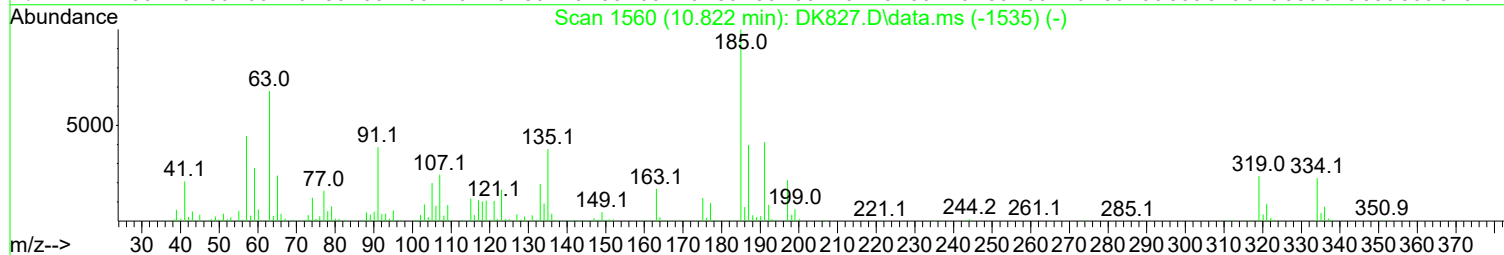
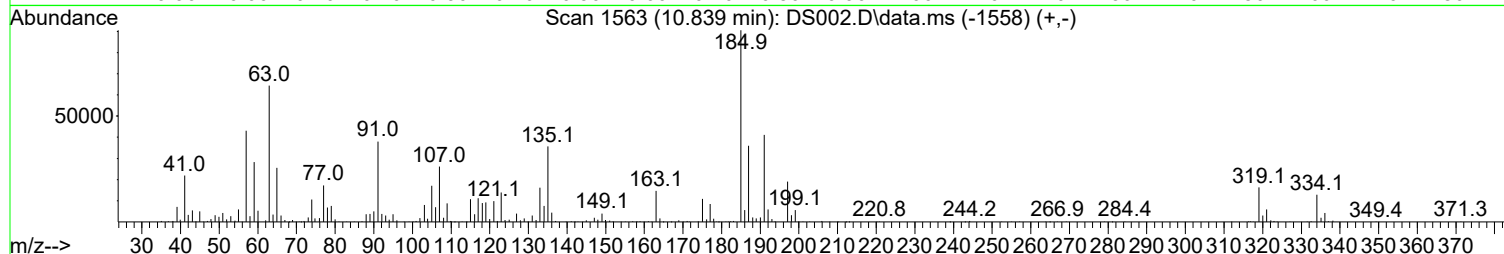
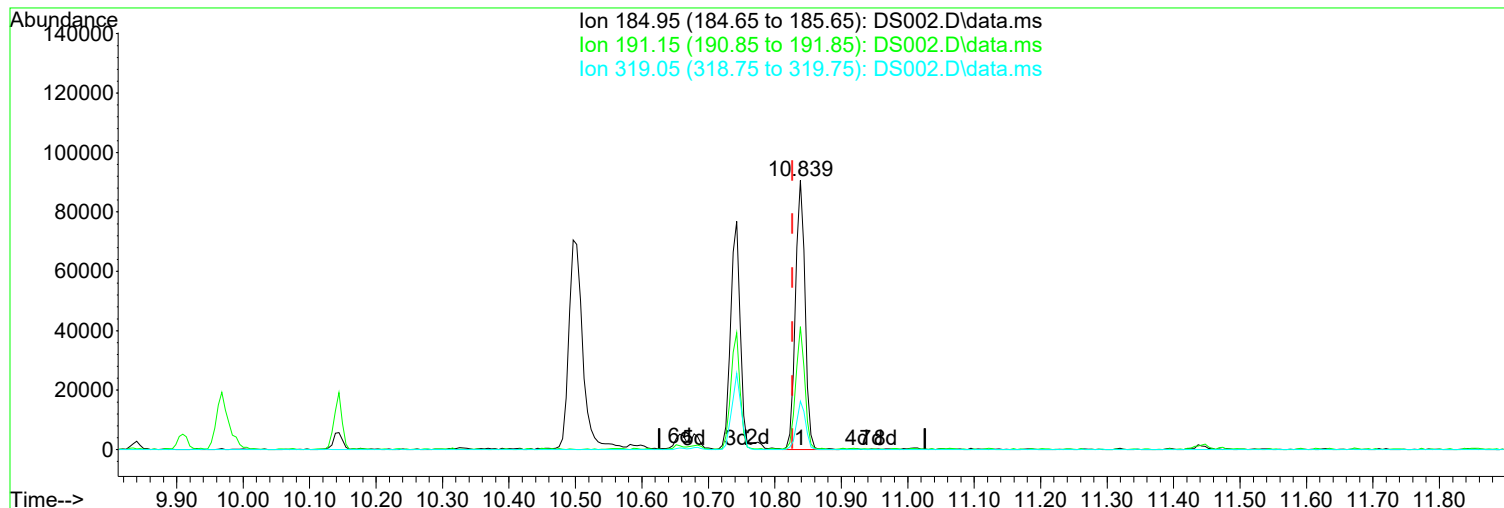
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.72
319.05	14.30	17.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 42.49 ppm

Before

response 91545

Ion Exp% Act%

05/14/19

184.95 100.00 100.00

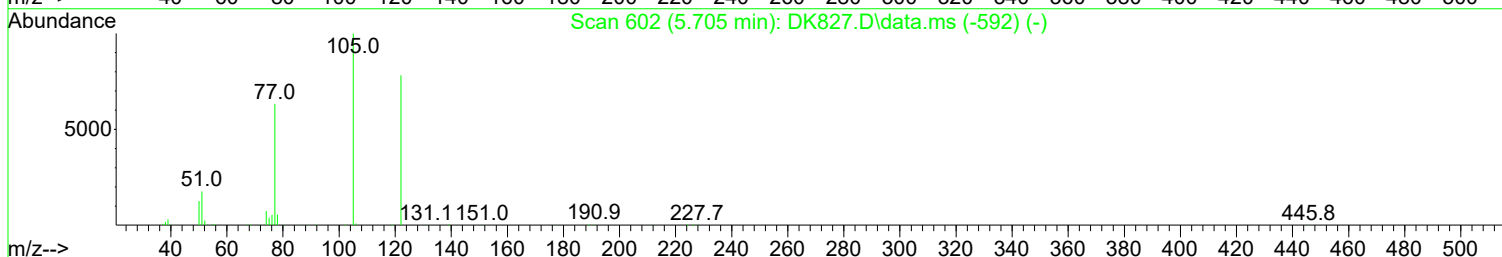
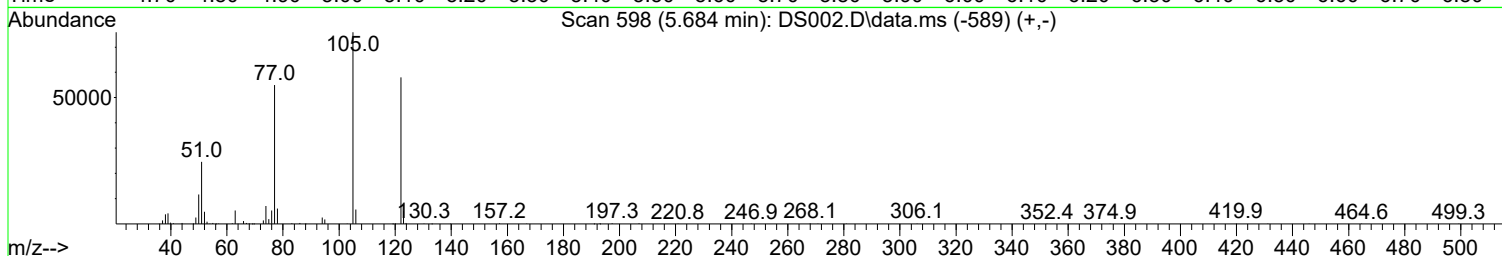
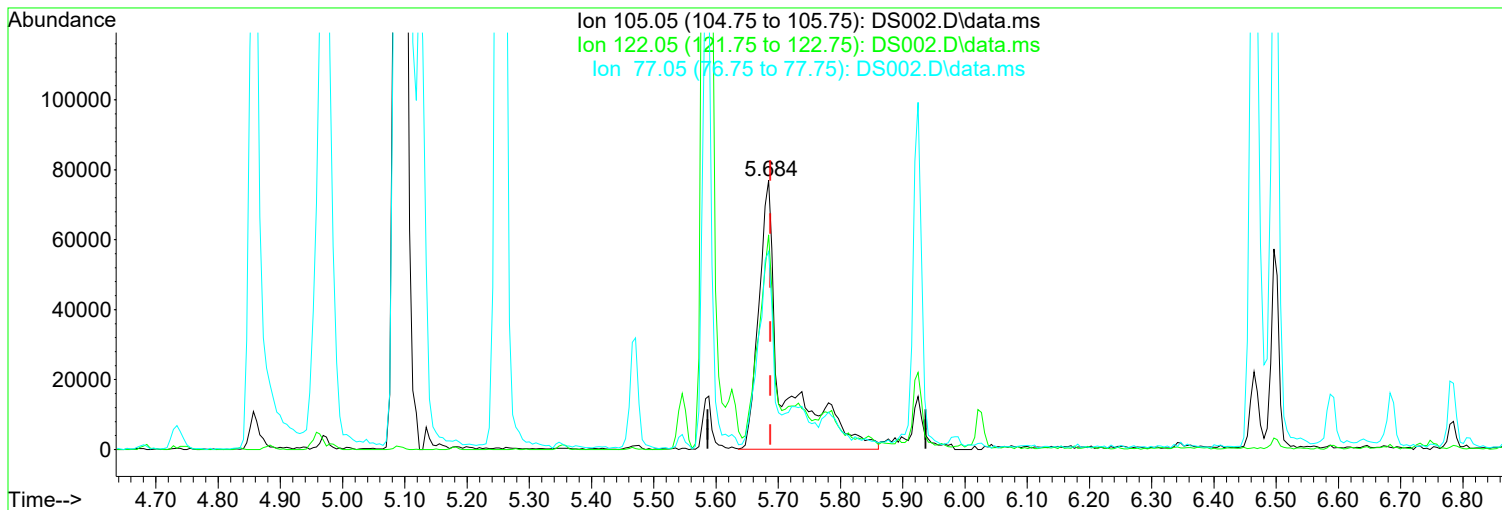
191.15 41.10 45.49

319.05 14.30 17.97

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 80.29 ppm m

After

response 207876

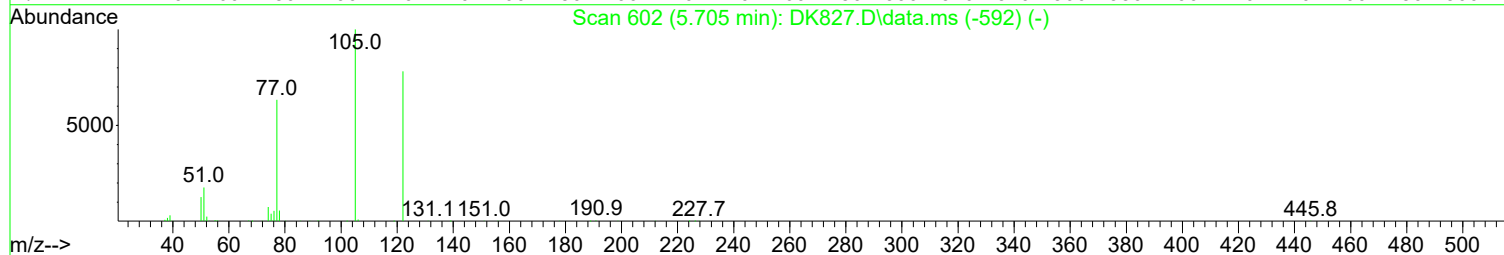
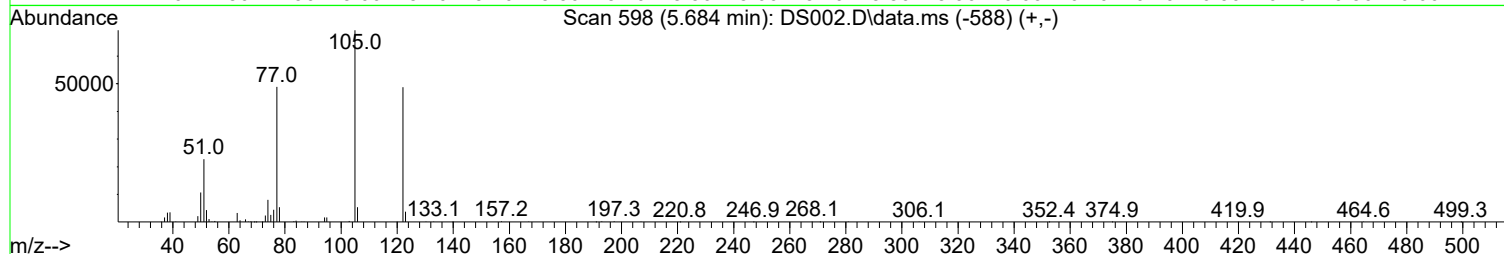
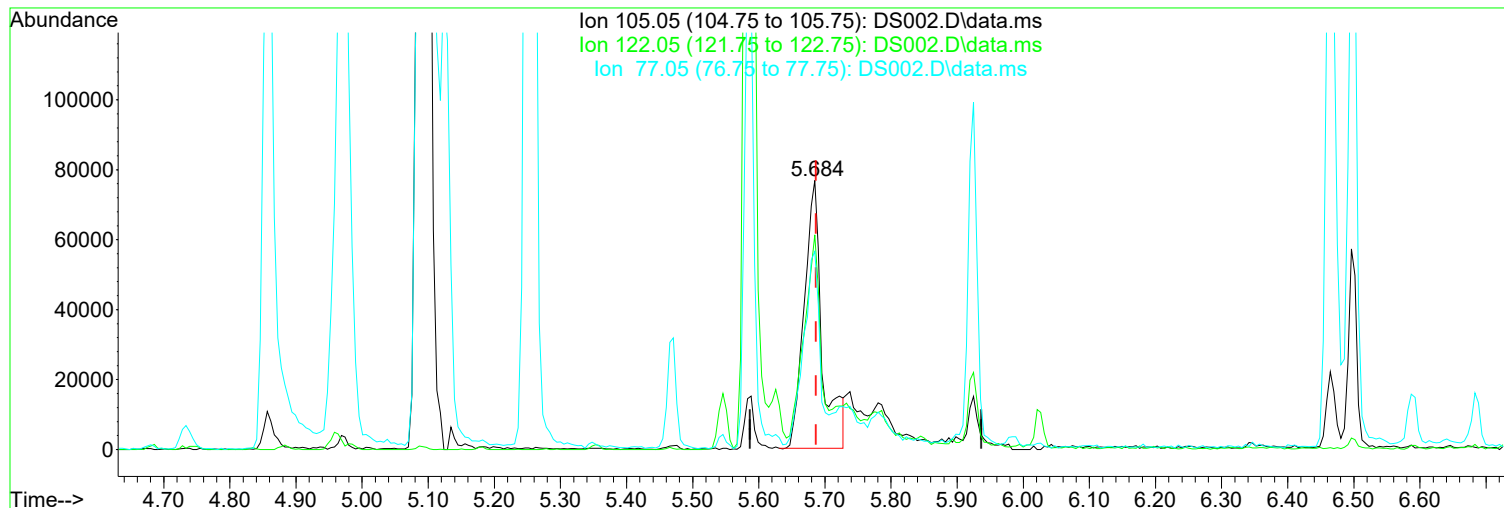
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	79.77
77.05	69.60	73.63
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 60.27 ppm

Before

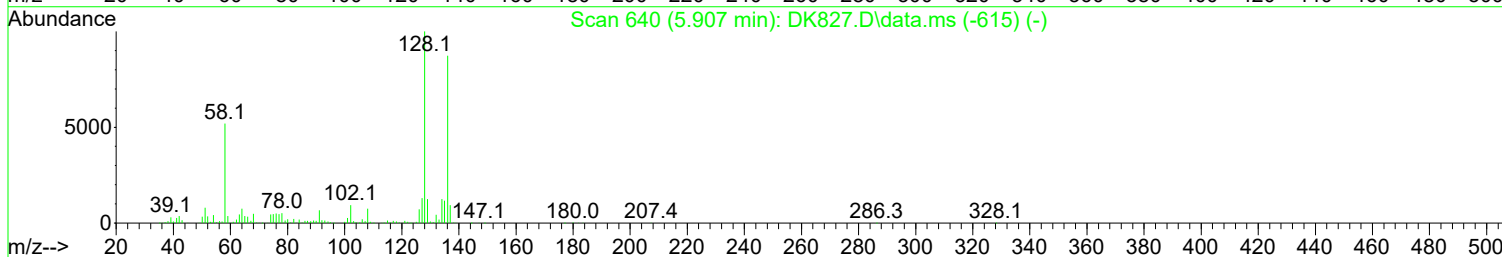
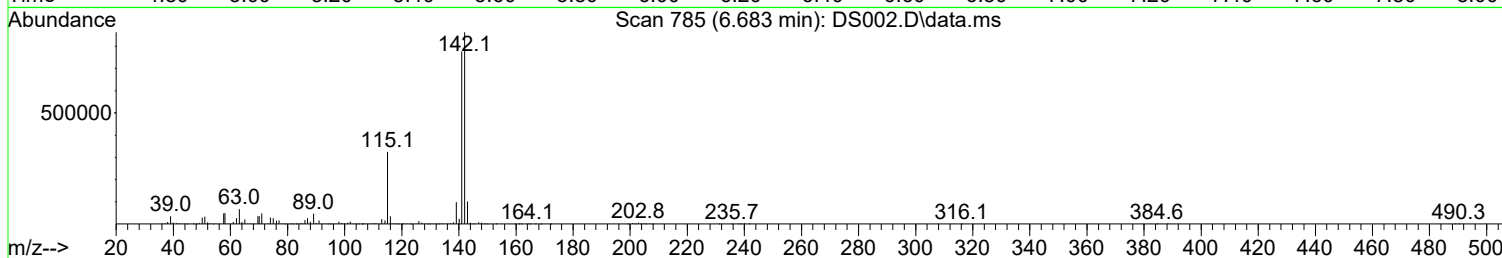
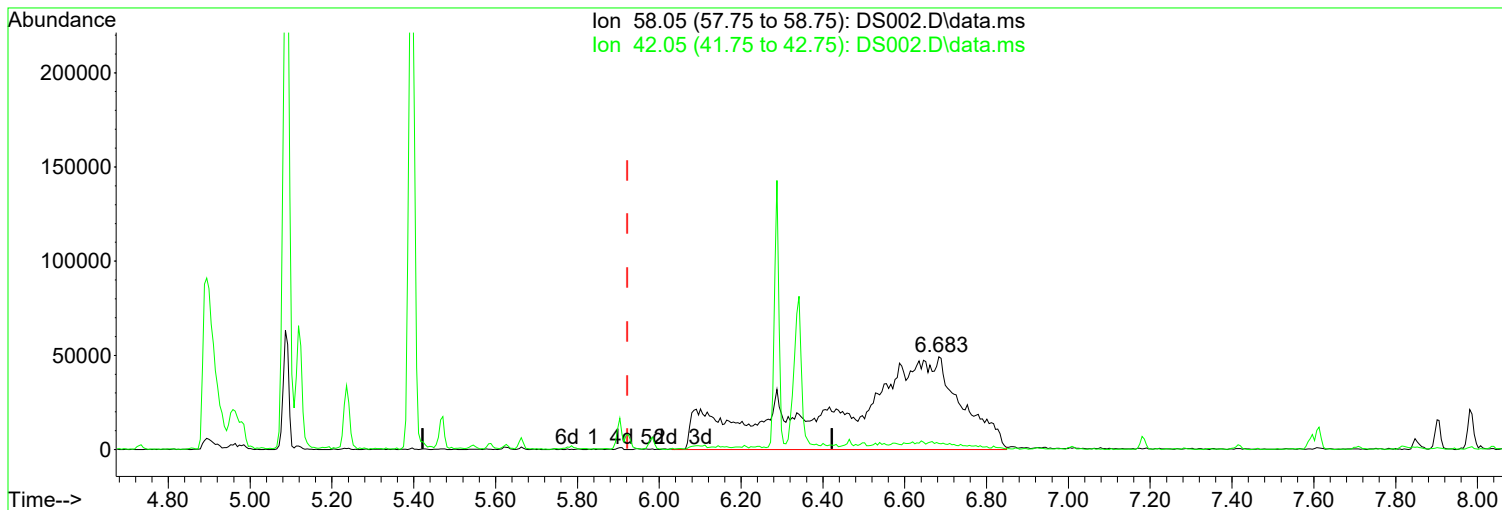
response 143753

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	70.31
77.05	69.60	70.39
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.683min (+ 0.761) 88.61 ppm m

After

response 1055879

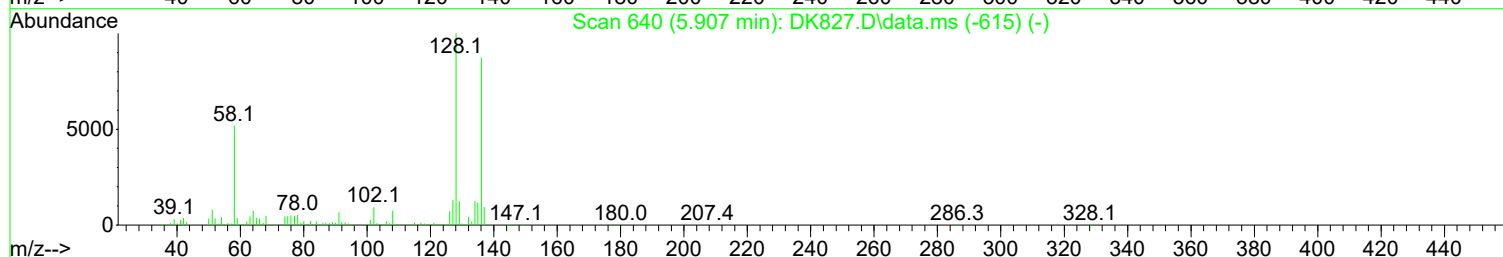
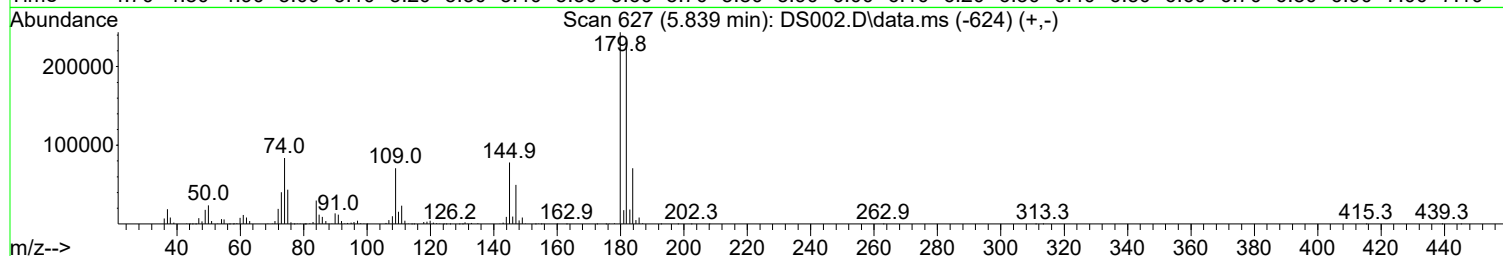
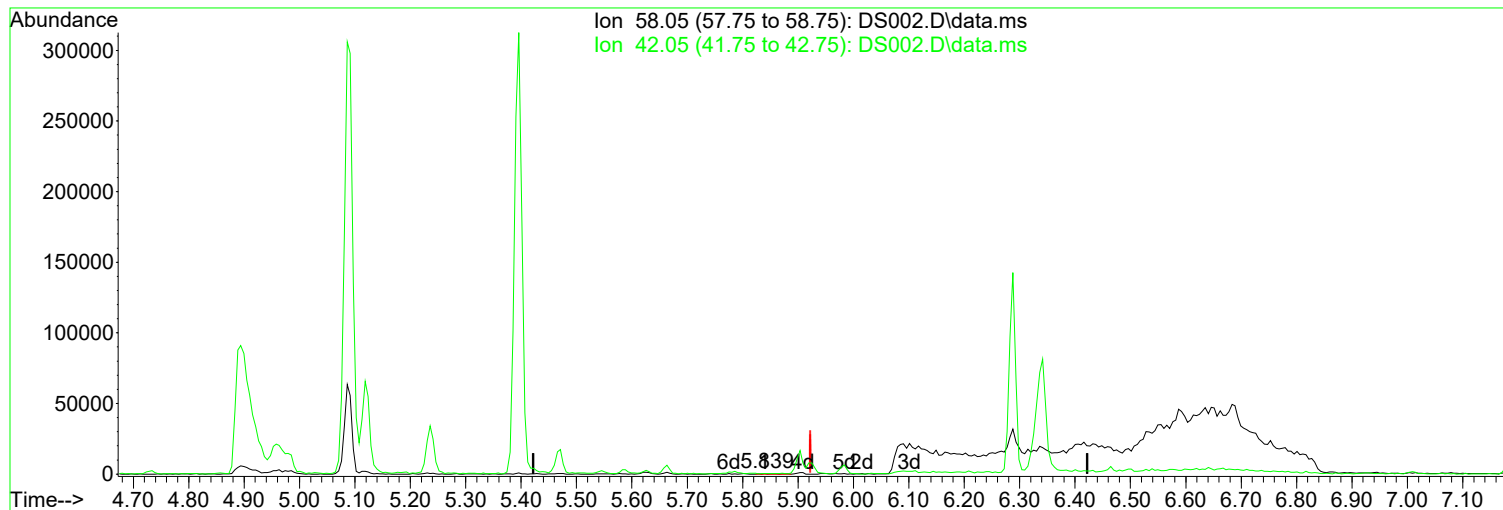
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.63
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.839min (-0.083) 0.04 ppm

Before

response 436

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	148	0.00
2	TM Pyridine	1.563	1.659		-6.1	145	0.00
3	TM N-Nitrosodimethylamine	0.934	0.990		-6.0	148	0.00
4	TM 2-Picoline	1.589	1.574		0.9	143	0.00
5	TM N-Nitrosomethylamine	0.643	0.685		-6.5	160	0.00
6	TM Methyl Methansulfonate	0.724	0.692		4.4	139	0.00
7	S SURR1,2-FLUOROPHENOL	1.455	1.434		1.4	144	0.00
8	TM N-Nitrosodiethylamine	0.709	0.708		0.1	145	0.00
9	TM Ethyl Mathanesulfonate	1.223	1.198		2.0	149	0.00
10	TM Benzaldehyde	1.023	1.117		-9.2	167	0.00
11	TM Aniline	2.281	2.303		-1.0	147	0.00
12	S SURR2, PHENOL-D6	1.787	1.799		-0.7	145	0.00
13	TMC Phenol	1.955	1.973		-0.9	147	0.00
14	TM bis(2-Clethyl)Ether	1.353	1.340		1.0	150	0.00
15	TM Pentachloroethane	0.545	0.529		2.9	143	0.00
16	TM 2-Chlorophenol	1.536	1.533		0.2	146	0.00
17	TM 1,3-Diclbenzene	1.598	1.552		2.9	144	0.00
18	TMC 1,4-Dichlorobenzene	1.635	1.596		2.4	143	0.00
19	TM 1,2-Diclbenzene	1.563	1.511		3.3	144	0.00
20	TM Benzyl Alcohol	1.040	1.059		-1.8	148	0.00
21	T 1-Methyl-2-pyrrolidinone	0.950	0.991		-4.3	149	0.00
22	TM 2,2'-oxybis(1-Chloropropane	1.300	1.354		-4.2	155	0.00
23	TM 2-Methylphenol	1.378	1.362		1.2	150	0.00
24	TM 3+4-Methylphenol	1.559	1.550		0.6	147	0.00
25	TM Acetophenone	1.936	1.898		2.0	149	0.00
26	TMP N-Nitroso-Di-n-propylamine	1.044	1.070		-2.5	159	0.00
27	TM N-Nitrosopyrrolidine	0.759	0.752		0.9	147	0.00
28	TM N-Nitrosomorpholine	0.747	0.757		-1.3	159	0.00
29	TM o-Toluidine	2.150	2.098		2.4	148	0.00
30	TM Hexachloroethane	0.629	0.615		2.2	147	0.00
31	TM o,o,o-Triethylphosphorothio	0.656	0.651		0.8	149	0.00
32	TM Alpha-terpinol	0.511	0.506		1.0	150	0.00
33	IR d8-Naphthalene	1.000	1.000		0.0	153	0.00
34	S SURR4,NITROBENZENE-D5	0.406	0.398		2.0	152	0.00
35	TM Nitrobenzene	0.408	0.397		2.7	151	0.00
36	TM N-Nitrosopiperidine	0.222	0.236		-6.3	165	0.00
37	TM Isophorone	0.680	0.686		-0.9	154	0.00
38	TCM 2-Nitrophenol	0.211	0.212		-0.5	148	0.00
39	TM 2,4-Dimethylphenol	0.380	0.385		-1.3	150	0.00
40	TM bis(-2-Chloroethoxy)Methane	0.400	0.400		0.0	151	0.00
41	TM Benzoic Acid	0.144	0.165	-0.4	-14.6	154	0.00
42	TCM 2,4-Dichlorophenol	0.301	0.298		1.0	145	0.00
43	TM a,a-Dimethylphenethylamine	0.759	0.840		-10.7	160	0.76#
44	TM 1,2,4-Trichlorobenzene	0.317	0.316		0.3	151	0.00
45	TM Naphthalene	1.102	1.036		6.0	144	0.00
46	TM 4-Chloroaniline	0.461	0.445		3.5	145	0.00
47	TM 2,6-Dichlorophenol	0.315	0.306		2.9	148	0.00
48	TCM Hexachlorobutadiene	0.161	0.162		-0.6	155	0.00
49	TM Hexachloropropene	0.201	0.199		1.0	149	0.00
50	TMC 4-Chloro-3-methylphenol	0.300	0.298		0.7	148	0.00
51	TM N-N-di-n-butylamine	0.238	0.235		1.3	152	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52 TM	Caprolactam	0.119	0.111		6.7	149	0.02
53 TM	p-Phenylenediamine	0.077	0.067		13.0	123	0.01
54 TM	Safrole	0.283	0.275		2.8	146	0.00
55 TM	2-Methylnaphthalene	0.713	0.677		5.0	144	0.00
56 TM	1-Methylnaphthalene	0.668	0.628		6.0	146	0.00
57 IR	d10-Acenaphthene	1.000	1.000		0.0	147	0.00
58 TPM	Hexachlorocyclopentadiene	0.240	0.280	-1.3	-16.7	144	0.00
59 TM	1,2,4,5-Tetrachlorobenzene	0.589	0.608		-3.2	154	0.00
60 TM	1,2,3,4-Tetrachlorobenzene	0.620	0.634		-2.3	152	0.00
61 TCM	2,4,6-Trichlorophenol	0.373	0.400		-7.2	154	0.00
62 TM	2,4,5-Trichlorophenol	0.401	0.418		-4.2	149	0.00
63 S	SURR5,2-FLUOROBIPHENYL	1.521	1.474		3.1	145	0.00
64 TM	Isosafrole	0.257	0.257		0.0	152	0.00
65 TM	1,1'-Biphenyl	1.772	1.723		2.8	145	0.00
66 TM	2-Chloronaphthalene	1.281	1.251		2.3	147	0.00
67 TM	2-Nitroaniline	0.366	0.367		-0.3	157	0.00
68 TM	1,4-Naphthoquinone	0.402	0.392		2.5	137	0.00
69 TM	m-Dinitrobenzene	0.252	0.261		-3.6	155	0.00
70 TM	Acenaphthylene	2.051	2.022		1.4	148	0.00
71 TM	Dimethyl phthalate	1.497	1.397		6.7	147	0.00
72 TM	2,6-Dinitrotoluene	0.340	0.332		2.4	150	0.00
73 TMC	Acenaphthene	1.427	1.399		2.0	146	0.00
74 TM	3-Nitroaniline	0.391	0.381		2.6	145	0.00
75 TPM	2,4-Dinitrophenol	0.117	0.155	-13.3	-32.5#	171	0.00
76 TM	Dibenzofuran	1.762	1.735		1.5	146	0.00
77 TM	2,4-Dinitrotoluene	0.449	0.458		-2.0	150	0.00
78 TMP	4-Nitrophenol	0.256	0.291		-13.7	159	0.00
79 TM	Pentachlorobenzene	0.472	0.504		-6.8	159	0.00
80 TM	1-Naphthylamine	0.928	0.878		5.4	146	0.00
81 TM	2-Naphthylamine	1.182	1.133		4.1	147	0.00
82 TM	2,3,4,6-Tetrachlorophenol	0.269	0.309		-14.9	160	0.00
83 TM	Fluorene	1.449	1.401		3.3	149	0.00
84 TM	4-Chlorophenyl-phenylether	0.585	0.599		-2.4	154	0.00
85 TM	Diethylphthalate	1.483	1.464		1.3	150	0.00
86 TM	4-Nitroaniline	0.385	0.391		-1.6	143	0.00
87 TM	5-Nitro-o-toluidine	0.438	0.431		1.6	143	0.00
88 S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.181		-10.4	165	0.00
89 TM	Sulfotepp	0.185	0.204		-10.3	167	0.00
90 TM	Octachlorocyclopentene	0.188	0.201		-6.9	153	0.00
91 IR	d10-Phenanthrene	1.000	1.000		0.0	148	0.00
92 TM	Thionazin	0.157	0.151		3.8	149	0.00
93 TM	4,6-Dinitro-2-methylphenol	0.154	0.169		-9.7	158	0.00
94 TM	Diphenylamine	0.707	0.686		3.0	148	0.00
95 TM	1,2 Diphenylhydrazine	0.892	0.876		1.8	155	0.00
96 TCM	N-Nitrosodiphenylamine	0.707	0.686		3.0	148	0.00
97 TM	1,3,5-Trinitrobenzene	0.128	0.134		-4.7	152	0.02
98 TM	Diallate	0.368	0.341		7.3	152	0.00
99 TM	Phorate	0.185	0.172		7.0	144	0.00
100 TM	Phenacetin	0.466	0.475		-1.9	150	0.02
101 TM	4-Bromophenyl-phenylether	0.209	0.204		2.4	150	0.00

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 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.235	0.240		-2.1	161	0.00
103	TM Dimethoate	0.306	0.294		3.9	148	0.02
104	TM Atrazine	0.114	0.106		7.0	140	0.00
105	TCM Pentachlorophenol	0.077	0.125	-34.4	62.3 #	207#	0.00
106	TM 4-Aminobiphenyl	0.718	0.696		3.1	142	0.00
107	TM Pentachloronitrobenzene	0.087	0.100		-14.9	166	0.00
108	TM Pronamide	0.409	0.428		-4.6	148	0.00
109	TM Dinoseb	0.203	0.227		-11.8	158	0.00
110	TM Disulfoton	0.439	0.420		4.3	148	0.00
111	TM Phenanthrene	1.265	1.215		4.0	145	0.00
112	TM Anthracene	1.257	1.238		1.5	148	0.00
113	TM Carbazole	1.235	1.216		1.5	144	0.00
114	TM Di-n-butylphthalate	1.596	1.616		-1.3	151	0.00
115	TM 4-Nitroquinoline-1-oxide	0.075	0.055		26.7#	104	0.00
116	TCM Fluoranthene	1.295	1.319		-1.9	148	0.00
117	IR d12-Chrysene	1.000	1.000		0.0	151	0.00
118	TM Methyl Parathion	0.317	0.301		5.0	140	0.00
119	TM Ethyl Parathion	0.237	0.242		-2.1	153	0.00
120	TM Methapyrilene	0.345	0.274		20.6#	120	0.02
121	TM Isodrin	0.146	0.142		2.7	147	0.00
122	TM Benzidine	0.939	0.869		7.5	132	0.00
123	TM Pyrene	1.469	1.511		-2.9	148	0.00
124	S SURR6, TERPHENYL-D14	0.942	0.977		-3.7	153	0.00
125	TM Aramite	0.201	0.200		0.5	147	0.01
126	TM p-(Dimethylamino)azobenzene	0.436	0.438		-0.5	140	0.00
127	TM Chlorobenzilate	0.510	0.521		-2.2	148	0.00
128	TM Butyl benzyl phthalate	0.815	0.817		-0.2	149	0.00
129	TM 3,3-Dimethylbenzidine	0.893	0.811		9.2	131	0.00
130	TM 2-Acetylaminofluorene	0.651	0.643		1.2	142	0.01
131	TM 3,3'-Dichlorobenzidine	0.532	0.511		3.9	143	0.00
132	TM Benzo(a)anthracene	1.358	1.335		1.7	148	0.01
133	TM Chrysene	1.250	1.242		0.6	149	0.00
134	TM bis(2-Ethylhexyl)phthalate	1.121	1.120		0.1	149	0.00
135	IR d12-Perylene	1.000	1.000		0.0	148	0.02
136	TCM Di-n-octyl phthalate	1.898	1.896		0.1	147	0.00
137	TM 7,12-Dimethylbenz(a)anthrac	0.605	0.621		-2.6	148	0.01
138	TM Benzo(b)Fluoranthene	1.331	1.347		-1.2	148	0.02
139	TM Benzo(k)fluoranthene	1.261	1.262		-0.1	145	0.02
140	TCM Benzo(a)pyrene	1.145	1.164		-1.7	148	0.02
141	TM 3-Methylcholanthrene	0.670	0.670		0.0	145	0.02
142	TM Indeno(1,2,3-cd)Pyrene	1.123	1.177		-4.8	156	0.02
143	TM Dibenz(a,h)anthracene	1.176	1.216		-3.4	151	0.02
144	TM Benzo(g,h,i)perylene	0.968	0.995		-2.8	153	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

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 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	164546	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	628353	40.00	ppm	0.00	
57) d10-Acenaphthene	7.613	164	301006	40.00	ppm	0.00	
91) d10-Phenanthrene	9.087	188	470232	40.00	ppm	0.00	
117) d12-Chrysene	12.361	240	428068	40.00	ppm	0.00	
135) d12-Perylene	15.309	264	421409	40.00	ppm	0.02	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	471942	78.85	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	78.85%#	
12) SURR2,PHENOL-D6	4.419	99	592032	80.52	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	80.52%	
34) SURR4,NITROBENZENE-D5	5.236	82	500719	78.53	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	157.06%#	
63) SURR5,2-FLUOROBIPHENYL	6.945	172	887295	77.52	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	155.04%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	109094	88.51	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	88.51%	
124) SURR6,TERPHENYL-D14	10.774	244	836580	82.96	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	165.92%#	
Target Compounds							
							Qvalue
2) Pyridine	2.619	79	546044	84.950	ppm		97
3) N-Nitrosodimethylamine	2.587	74	325714	84.791	ppm		99
4) 2-Picoline	3.195	93	517910	79.249	ppm		98
5) N-Nitrosomethylamine	3.281	42	225550	85.319	ppm		94
6) Methyl Methansulfonate	3.521	80	227718	76.490	ppm		97
8) N-Nitrosodiethylamine	3.831	102	233089	79.870	ppm		97
9) Ethyl Mathanesulfonate	4.077	79	394357	78.390	ppm		99
10) Benzaldehyde	4.365	106	367483	87.306	ppm		99
11) Aniline	4.451	93	757989	80.773	ppm		90
13) Phenol	4.435	94	649220	80.732	ppm		98
14) bis(2-Clethyl)Ether	4.493	93	440857	79.232	ppm		96
15) Pentachloroethane	4.488	117	174007	77.671	ppm		95
16) 2-Chlorophenol	4.557	128	504344	79.842	ppm		99
17) 1,3-Diclbzene	4.680	146	510632	77.675	ppm		97
18) 1,4-Dichlorobenzene	4.750	146	525158	78.062	ppm		98
19) 1,2-Diclbzene	4.883	146	497109	77.336	ppm		98
20) Benzyl Alcohol	4.857	79	348473	81.454	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.894	99	326288	83.449	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	445493	83.324	ppm	#	80
23) 2-Methylphenol	4.974	108	448127	79.064	ppm		95
24) 3+4-Methylphenol	5.108	108	510129	79.543	ppm		97
25) Acetophenone	5.092	105	624592	78.413	ppm		99
26) N-Nitroso-Di-n-propyla...	5.086	70	352198	81.983	ppm		96
27) N-Nitrosopyrrolidine	5.092	100	247492	79.226	ppm		91
28) N-Nitrosomorpholine	5.118	56	249165	81.031	ppm		90
29) o-Toluidine	5.124	106	690513	78.064	ppm		96
30) Hexachloroethane	5.182	117	202392	78.161	ppm		98
31) o,o,o-Triethylphosphor...	5.626	198	214263	79.449	ppm		98
32) Alpha-terpinol	5.925	121	166378	79.157	ppm		93
35) Nitrobenzene	5.252	77	498844	77.892	ppm		94
36) N-Nitrosopiperidine	5.396	42	296144	85.075	ppm		97
37) Isophorone	5.471	82	861699	80.723	ppm		100
38) 2-Nitrophenol	5.546	139	266382	80.394	ppm		95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.583	107	484339	81.172	ppm	92
40) bis(-2-Chloroethoxy)Me...	5.663	93	502476	80.058	ppm	100
41) Benzoic Acid	5.684	105	207876m	80.289	ppm	
42) 2,4-Dichlorophenol	5.786	162	374605	79.260	ppm	93
43) a,a-Dimethylphenethyla...	6.683	58	1055879m	88.614	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	397721	79.811	ppm	98
45) Naphthalene	5.925	128	1302371	75.203	ppm	99
46) 4-Chloroaniline	5.984	127	559468	77.204	ppm	99
47) 2,6-Dichlorophenol	5.989	162	384947	77.888	ppm	97
48) Hexachlorobutadiene	6.026	225	203500	80.597	ppm	97
49) Hexachloropropene	6.000	213	250183	79.302	ppm	94
50) 4-Chloro-3-methylphenol	6.464	107	374968	79.436	ppm	87
51) N-N-di-n-butylamine	6.288	84	294907	78.783	ppm	98
52) Caprolactam	6.341	113	139501	74.464	ppm	96
53) p-Phenylenediamine	6.347	80	83822	69.378	ppm	85
54) Safrole	6.496	162	345031	77.617	ppm	97
55) 2-Methylnaphthalene	6.587	142	850748	75.907	ppm	97
56) 1-Methylnaphthalene	6.683	142	789230	75.267	ppm	98
58) Hexachlorocyclopentadiene	6.731	237	168678	81.062	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.753	216	365883	82.589	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	381972	81.881	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	240937	85.865	ppm	97
62) 2,4,5-Trichlorophenol	6.929	196	251433	83.311	ppm	99
64) Isosafrole	7.009	104	154538	79.829	ppm	92
65) 1,1'-Biphenyl	7.046	154	1037497	77.806	ppm	98
66) 2-Chloronaphthalene	7.068	162	753377	78.169	ppm	98
67) 2-Nitroaniline	7.180	65	220911	80.187	ppm	94
68) 1,4-Naphthoquinone	7.255	158	235850	77.951	ppm	95
69) m-Dinitrobenzene	7.399	168	157416	83.134	ppm	88
70) Acenaphthylene	7.474	152	1217453	78.866	ppm	99
71) Dimethyl phthalate	7.345	163	841143	74.648	ppm	99
72) 2,6-Dinitrotoluene	7.415	165	199829	78.114	ppm	87
73) Acenaphthene	7.645	153	841937	78.402	ppm	98
74) 3-Nitroaniline	7.591	138	229344	77.987	ppm	98
75) 2,4-Dinitrophenol	7.709	184	93081	90.674	ppm	92
76) Dibenzofuran	7.815	168	1044410	78.760	ppm	97
77) 2,4-Dinitrotoluene	7.821	165	275882	81.657	ppm	97
78) 4-Nitrophenol	7.815	65	174923	90.662	ppm	# 1
79) Pentachlorobenzene	7.773	250	303427	85.463	ppm	98
80) 1-Naphthylamine	7.906	143	528339	75.656	ppm	99
81) 2-Naphthylamine	7.986	143	682167	76.717	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.949	232	185771	91.748	ppm	93
83) Fluorene	8.157	166	843533	77.367	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	360883	82.045	ppm	93
85) Diethylphthalate	8.040	149	881105	78.957	ppm	100
86) 4-Nitroaniline	8.211	138	235557	81.207	ppm	98
87) 5-Nitro-o-toluidine	8.189	152	259322	78.742	ppm	97
89) Sulfotepp	8.419	322	122677	88.081	ppm	76
90) Octachlorocyclopentene	8.392	307	120785	85.191	ppm	97
92) Thionazin	8.120	107	141926	76.932	ppm	94
93) 4,6-Dinitro-2-methylph...	8.227	198	158527	87.458	ppm	96
94) Diphenylamine	8.275	169	1289643	155.203	ppm	99
95) 1,2 Diphenylhydrazine	8.307	77	823564	78.542	ppm	97
96) N-Nitrosodiphenylamine	8.275	169	1289643	155.203	ppm	99
97) 1,3,5-Trinitrobenzene	8.611	74	126047	84.046	ppm	95
98) Diallate	8.547	86	321009	74.247	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

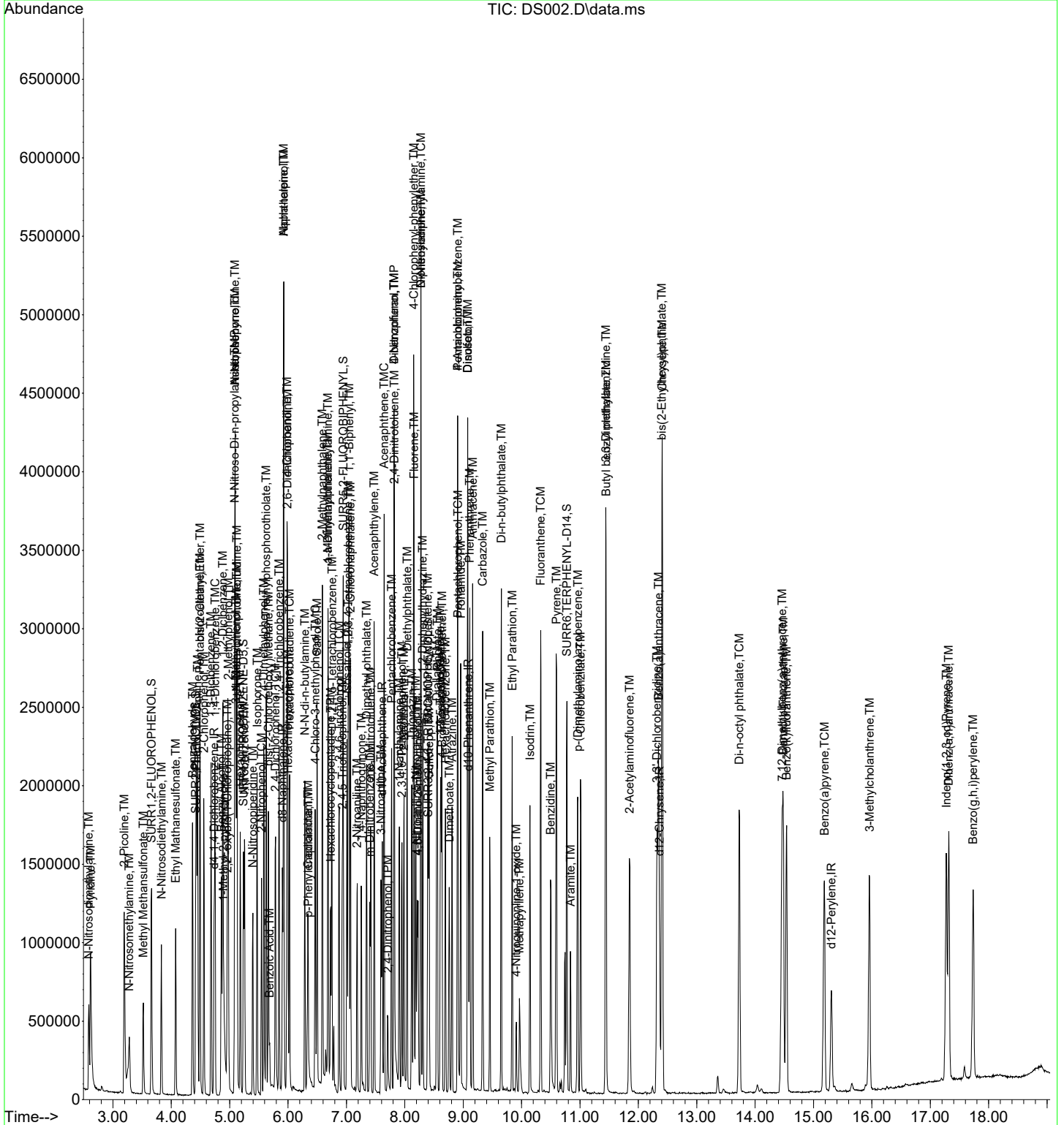
Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	161572	74.283	ppm	92
100) Phenacetin	8.617	108	446538	81.510	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	191696	77.964	ppm	94
102) Hexachlorobenzene	8.697	284	225739	81.641	ppm	94
103) Dimethoate	8.761	87	276104	76.847	ppm	94
104) Atrazine	8.809	215	99743	74.186	ppm	97
105) Pentachlorophenol	8.910	266	117487	107.503	ppm	93
106) 4-Aminobiphenyl	8.905	169	654837	77.556	ppm	100
107) Pentachloronitrobenzene	8.905	237	94034	92.056	ppm	93
108) Pronamide	8.958	173	402587	83.737	ppm	98
109) Dinoseb	9.076	211	213054	89.303	ppm	95
110) Disulfoton	9.076	88	394774	76.544	ppm	94
111) Phenanthrene	9.113	178	1142394	76.820	ppm	100
112) Anthracene	9.161	178	1164487	78.810	ppm	98
113) Carbazole	9.332	167	1143228	78.766	ppm	99
114) Di-n-butylphthalate	9.653	149	1520007	81.023	ppm	99
115) 4-Nitroquinonline-1-oxide	9.909	190	52011	59.129	ppm	88
116) Fluoranthene	10.326	202	1240017	81.449	ppm	99
118) Methyl Parathion	9.455	109	257641	75.917	ppm	97
119) Ethyl Parathion	9.840	97	206963	81.624	ppm	98
120) Methapyrilene	9.963	58	234952	63.697	ppm	100
121) Isodrin	10.144	193	121947	77.915	ppm	93
122) Benzidine	10.497	184	744311	74.103	ppm	99
123) Pyrene	10.598	202	1293288	82.275	ppm	100
125) Aramite	10.839	185	171604m	79.643	ppm	
126) p-(Dimethylamino)azobe...	10.961	120	374791	80.258	ppm	96
127) Chlorobenzilate	11.009	139	446333	81.814	ppm	94
128) Butyl benzyl phthalate	11.447	149	699071	80.166	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	694217	72.608	ppm	98
130) 2-Acetylaminofluorene	11.848	181	550328	79.022	ppm	97
131) 3,3'-Dichlorobenzidine	12.318	252	437801	76.890	ppm	96
132) Benzo(a)anthracene	12.345	228	1142563	78.606	ppm	99
133) Chrysene	12.409	228	1063039	79.498	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.403	149	958854	79.905	ppm	98
136) Di-n-octyl phthalate	13.728	149	1598391	79.922	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.460	256	523504	82.175	ppm	99
138) Benzo(b)Fluoranthene	14.481	252	1135657	80.982	ppm	98
139) Benzo(k)fluoranthene	14.540	252	1063968	80.106	ppm	99
140) Benzo(a)pyrene	15.186	252	981373	81.373	ppm	98
141) 3-Methylcholanthrene	15.961	268	564288	79.890	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.275	276	991602	83.841	ppm	95
143) Dibenz(a,h)anthracene	17.317	278	1025110	82.722	ppm	98
144) Benzo(g,h,i)perylene	17.734	276	838247	82.234	ppm	97

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

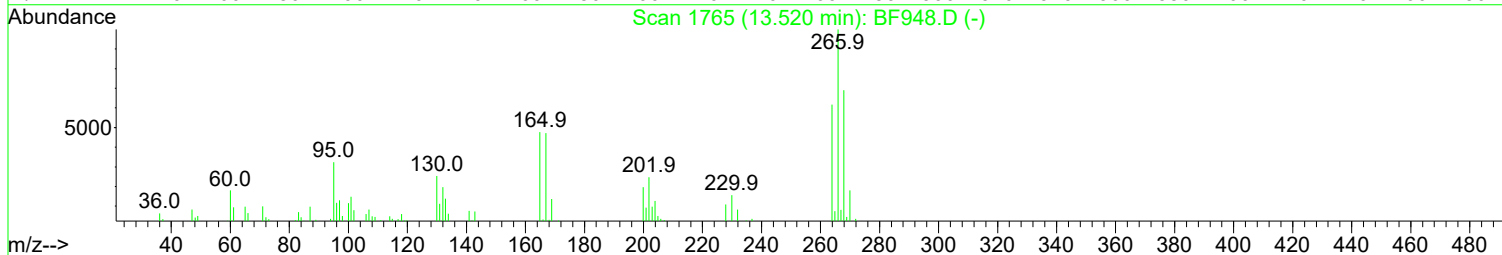
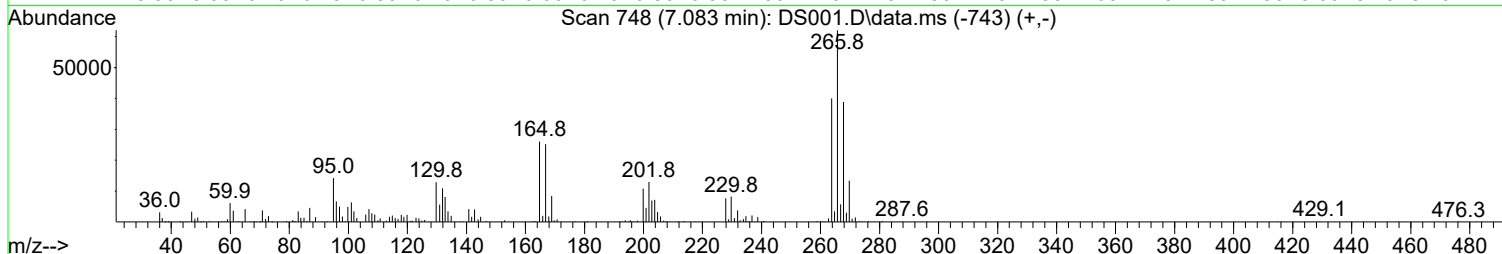
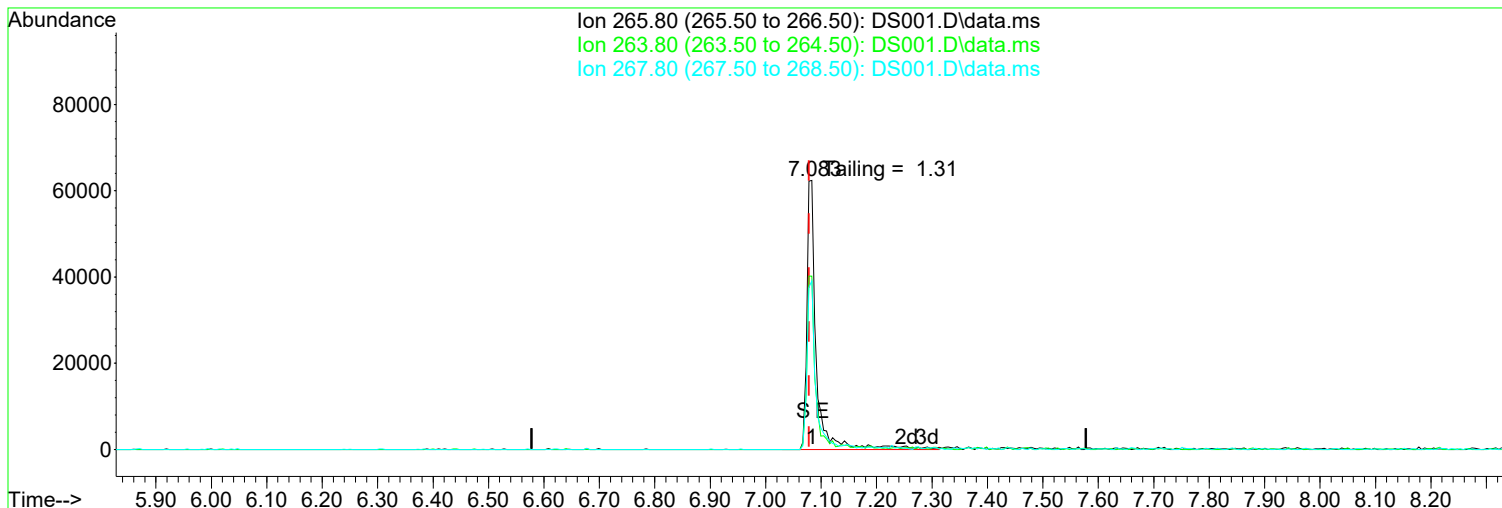
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DS001.D\data.ms

(5) Pentachlorophenol (TCM)

Manual Integration:

7.083min (+ 0.005) 73.78 ppm

After

response 71991

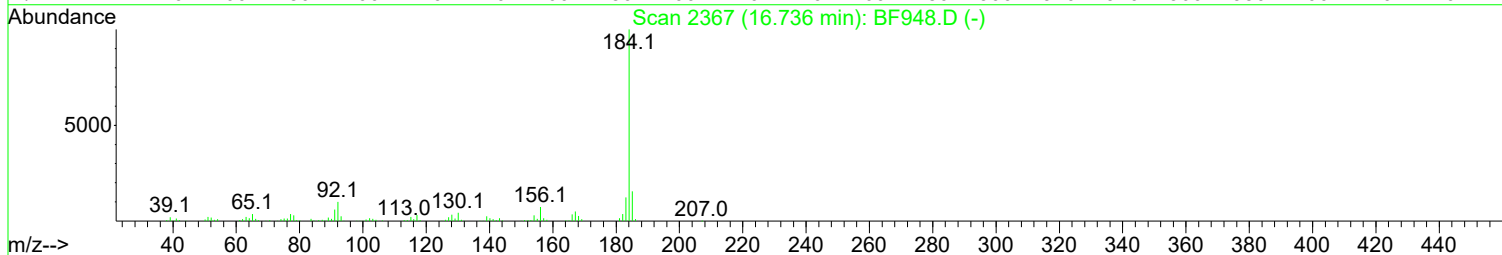
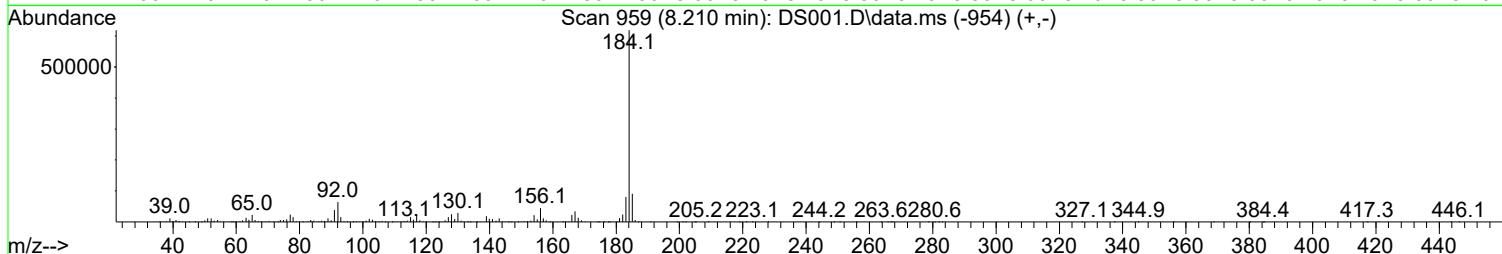
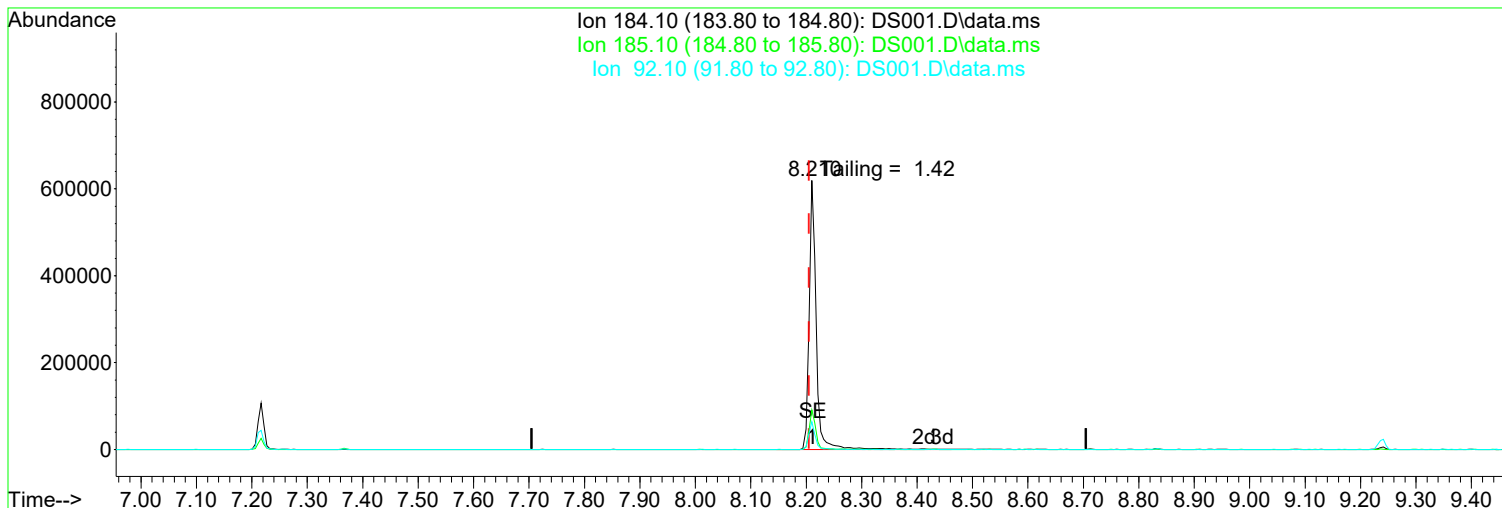
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	64.42
267.80	64.20	62.62
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DS001.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.210min (+ 0.005) 40.88 ppm

After

response 546995

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.74
92.10	10.10	10.37
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

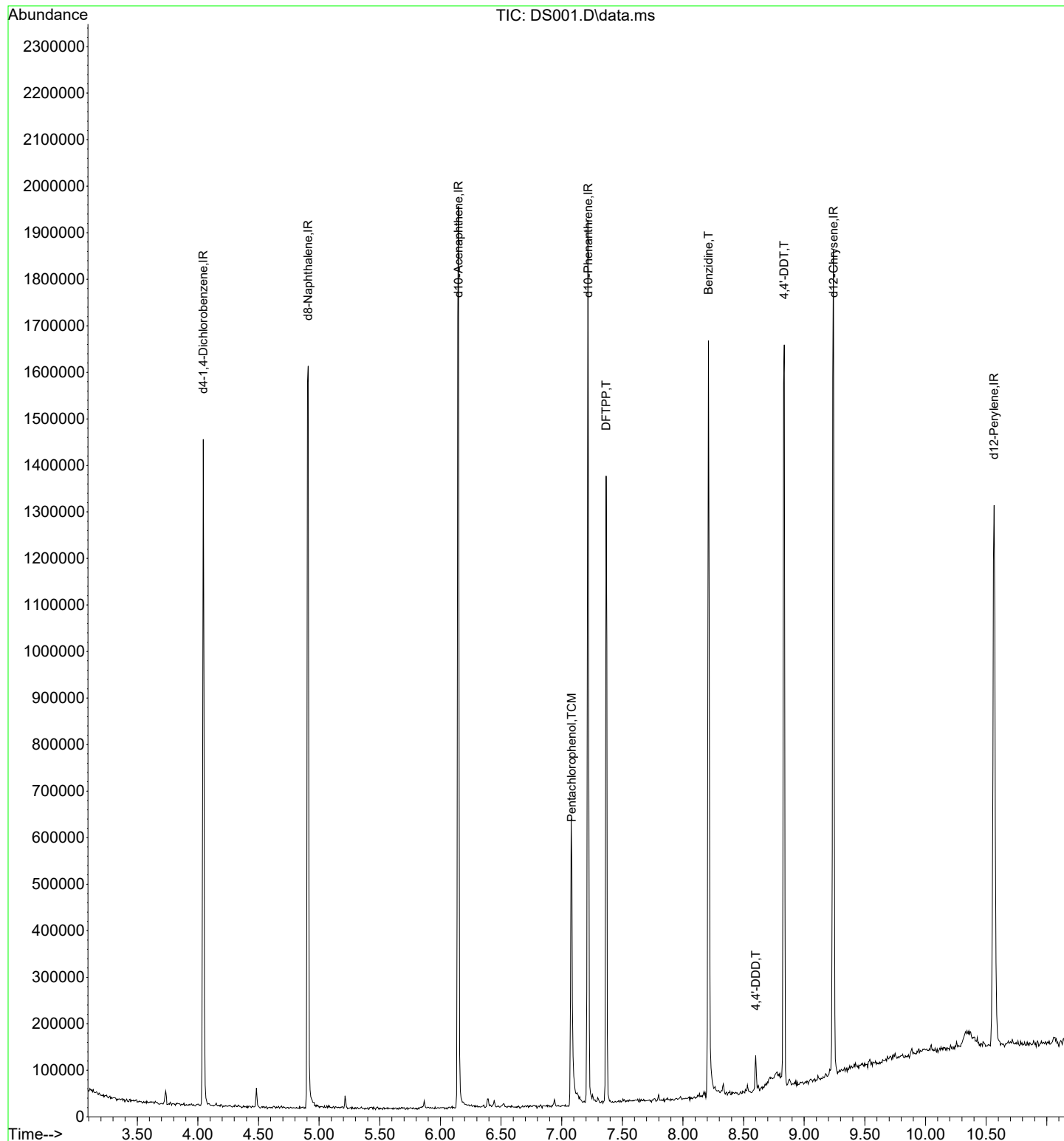
Quant Time: May 13 08:32:00 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.044	152	183714	40.00	ppm	0.00
2) d8-Naphthalene	4.909	136	680406	40.00	ppm	0.00
3) d10-Acenaphthene	6.149	164	333238	40.00	ppm	0.00
4) d10-Phenanthrene	7.217	188	532632	40.00	ppm	0.00
7) d12-Chrysene	9.241	240	493008	40.00	ppm	0.02
12) d12-Perylene	10.566	264	507233	40.00	ppm	0.03
Target Compounds						
5) Pentachlorophenol	7.083	266	71991	73.776	ppm	98
6) DFTPP	7.366	198	104133	50.122	ppm #	59
8) Benzidine	8.210	184	546995	40.884	ppm	100
9) 4,4'-DDE	7.372	246	1779	N.D.		
10) 4,4'-DDD	8.600	235	11571	2.181	ppm	88
11) 4,4'-DDT	8.835	235	235801	44.444	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

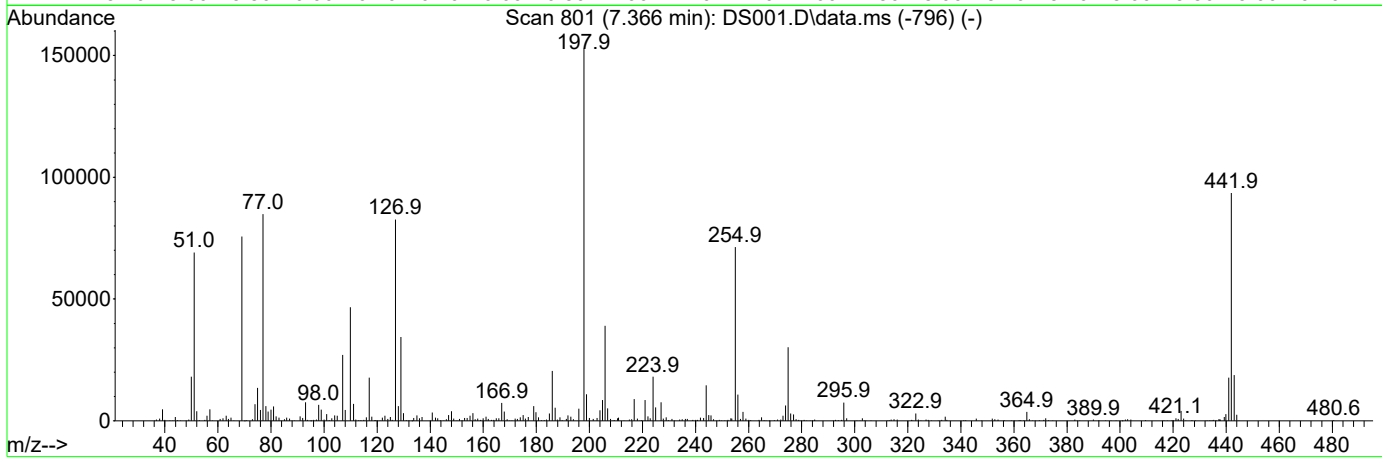
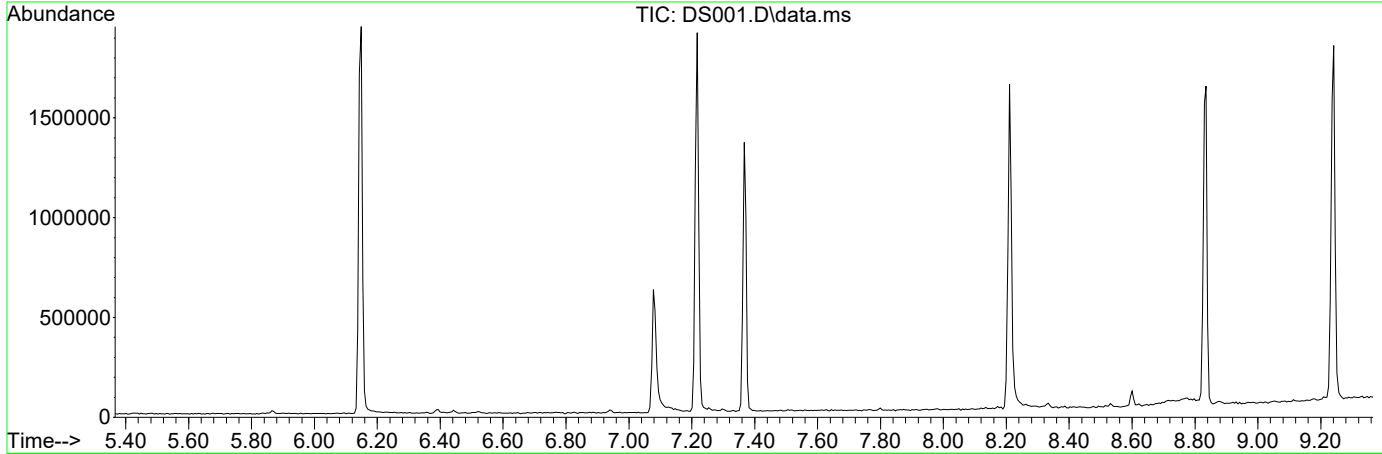
Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



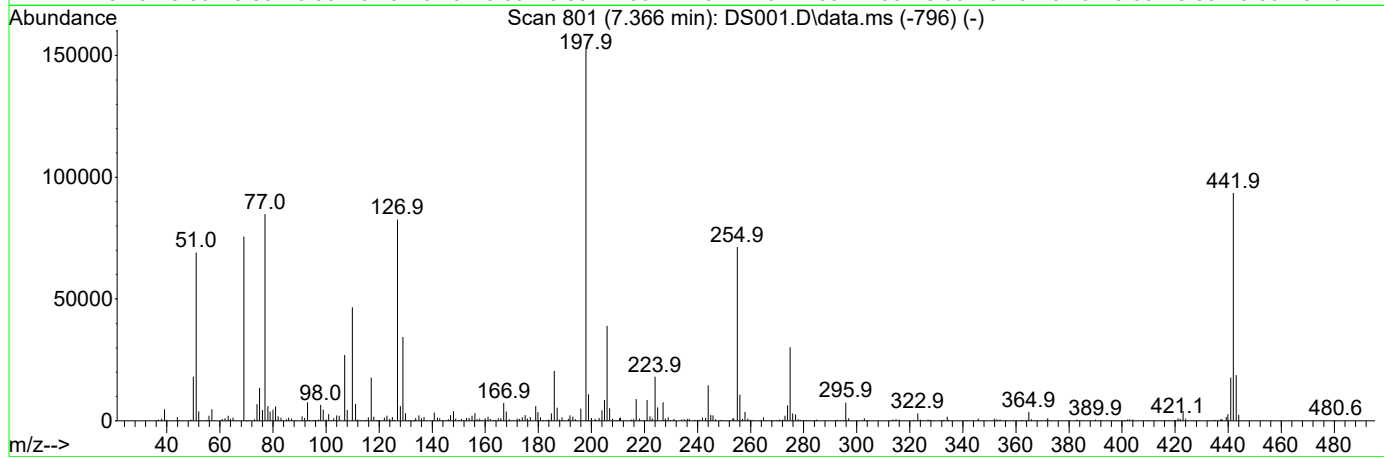
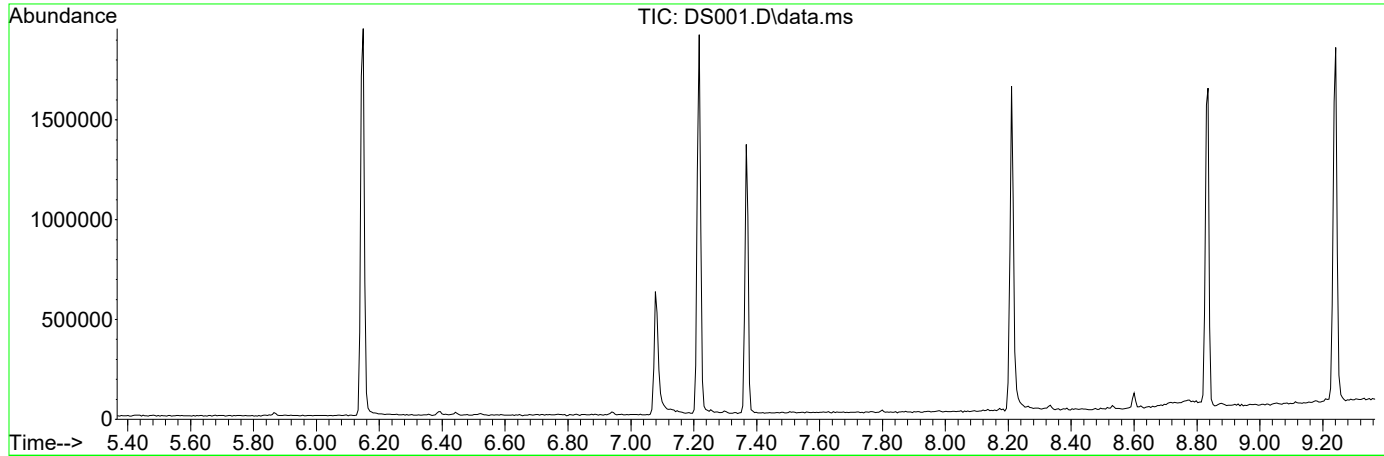
Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	40	60	54.1	82654	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	30	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	443	0.01	100	93.9	17704	PASS
442	198	50	500	61.3	93616	PASS
443	442	17	23	20.1	18856	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019



Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	10	80	54.1	82654	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	60	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	442	0.01	24	18.9	17704	PASS
442	442	100	100	100.0	93616	PASS
443	442	15	24	20.1	18856	PASS

Data Path : I:\ACQUADATA\5973A\DATA\043019\
 Data File : DR849.D
 Acq On : 30 Apr 2019 3:07 pm
 Operator : JMisiurewicz
 Sample : ICV #2
 Misc : Initial Calibration 8270/625
 ALS Vial : 15 Sample Multiplier: 1

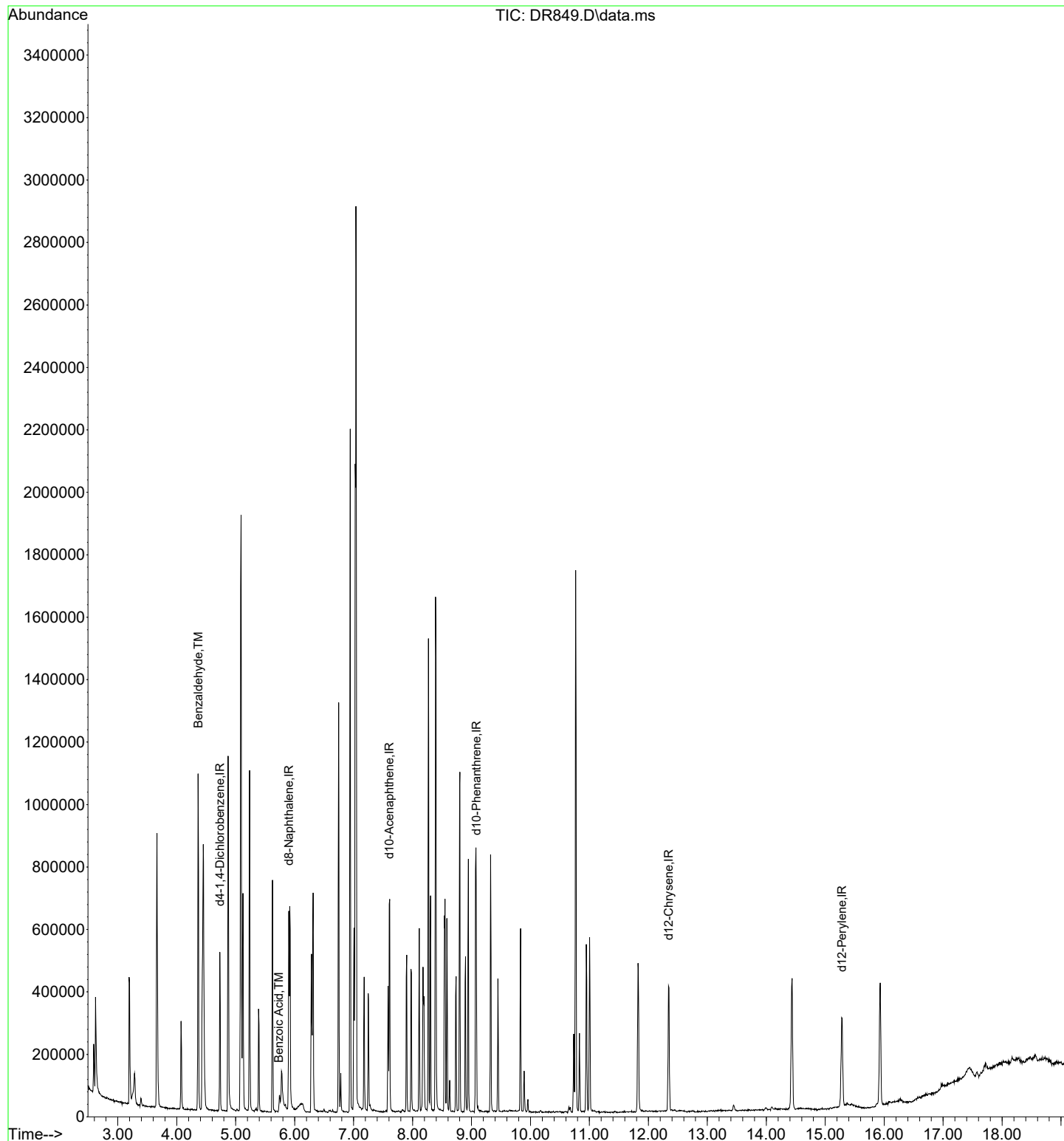
Quant Time: May 01 09:47:54 2019
 Quant Method : I:\ACQUADATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	75760	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	298754	40.00	ppm	0.00
57) d10-Acenaphthene	7.605	164	141156	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	204774	40.00	ppm	0.00
117) d12-Chrysene	12.343	240	188234	40.00	ppm	-0.01
135) d12-Perylene	15.280	264	175777	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount	100.000	Range 10 - 70	Recovery	=	0.00%#	
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount	100.000	Range 10 - 107	Recovery	=	0.00%#	
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount	50.000	Range 31 - 110	Recovery	=	0.00%#	
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount	50.000	Range 31 - 118	Recovery	=	0.00%#	
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount	100.000	Range 35 - 141	Recovery	=	0.00%#	
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount	50.000	Range 10 - 165	Recovery	=	0.00%#	
Target Compounds						
10) Benzaldehyde	4.363	106	214050	110.451	ppm	99
41) Benzoic Acid	5.730	105	9800m	22.984	ppm	

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

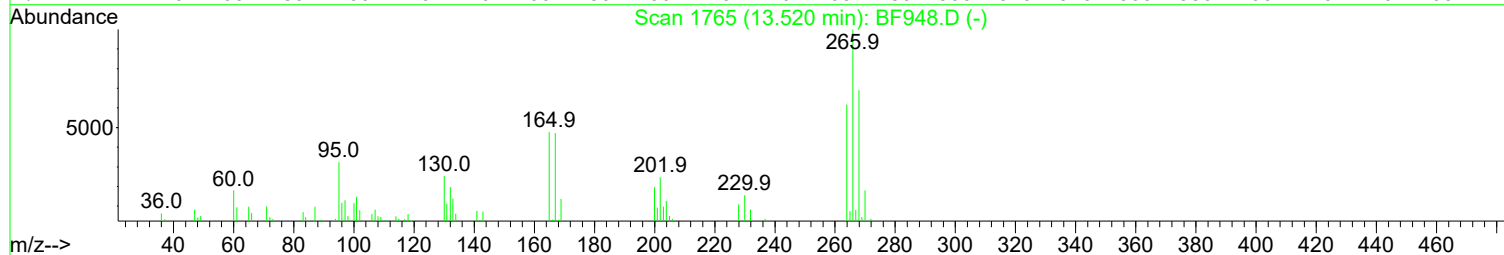
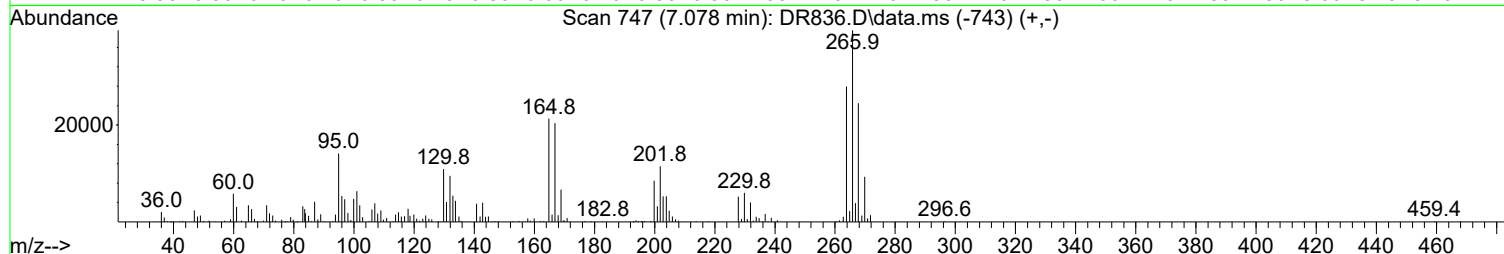
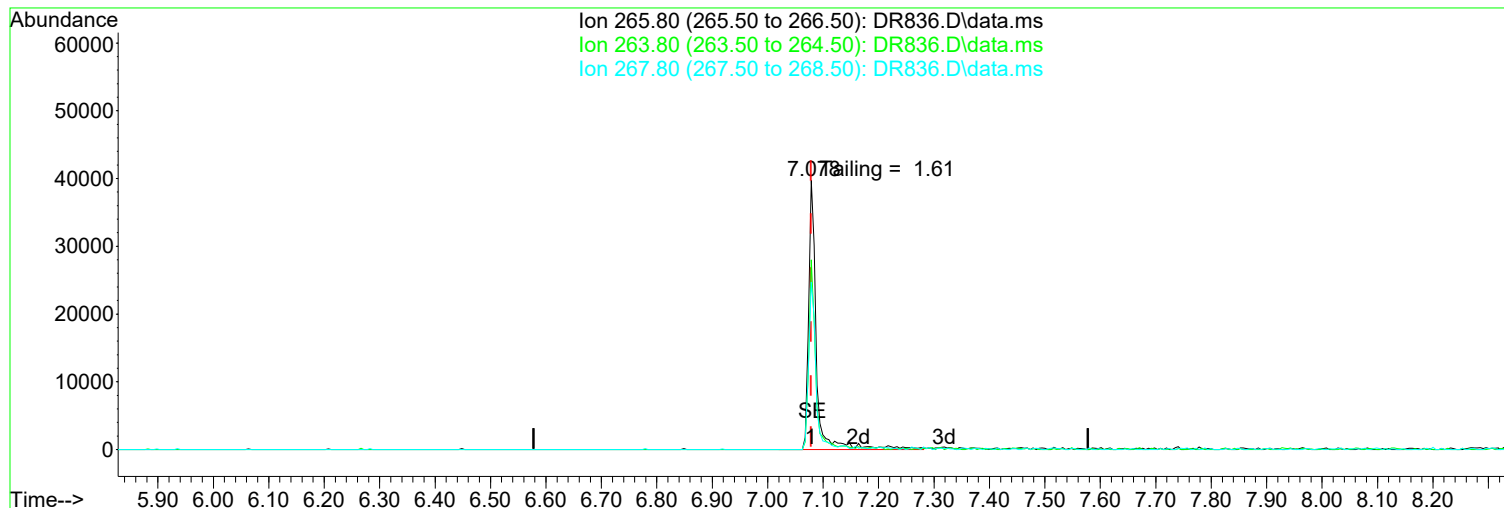
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



(5) Pentachlorophenol (TCM)

Manual Integration:

7.078min (0.000) 50.00 ppm

After

response 36430

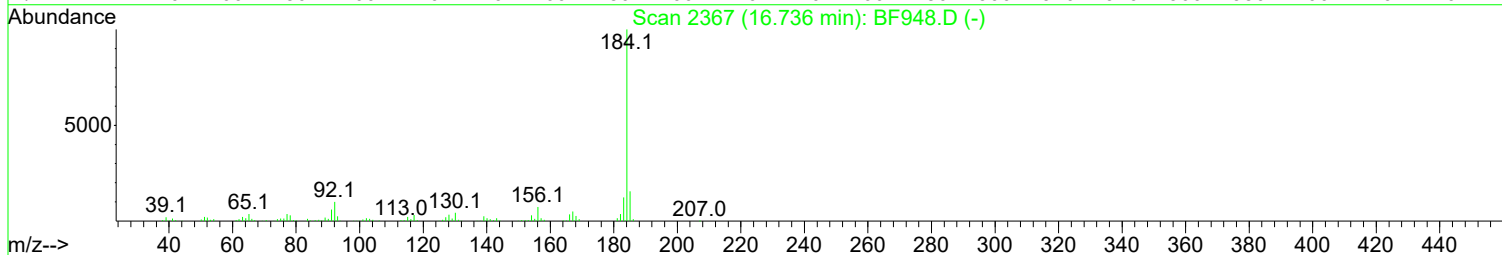
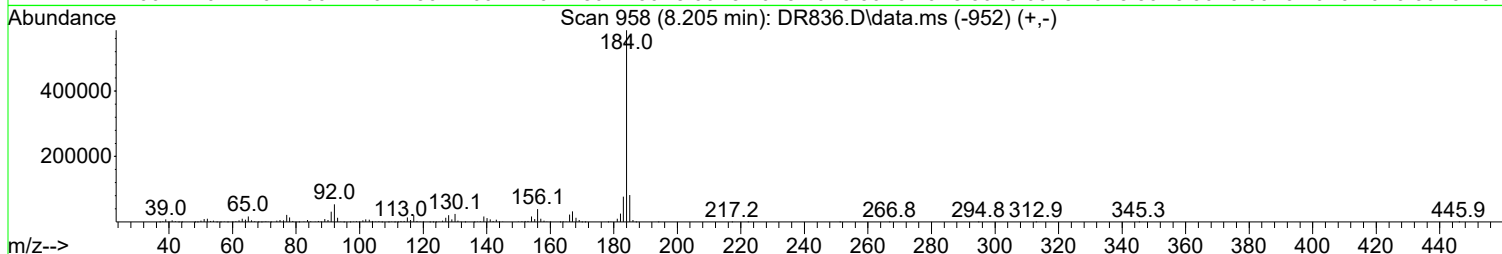
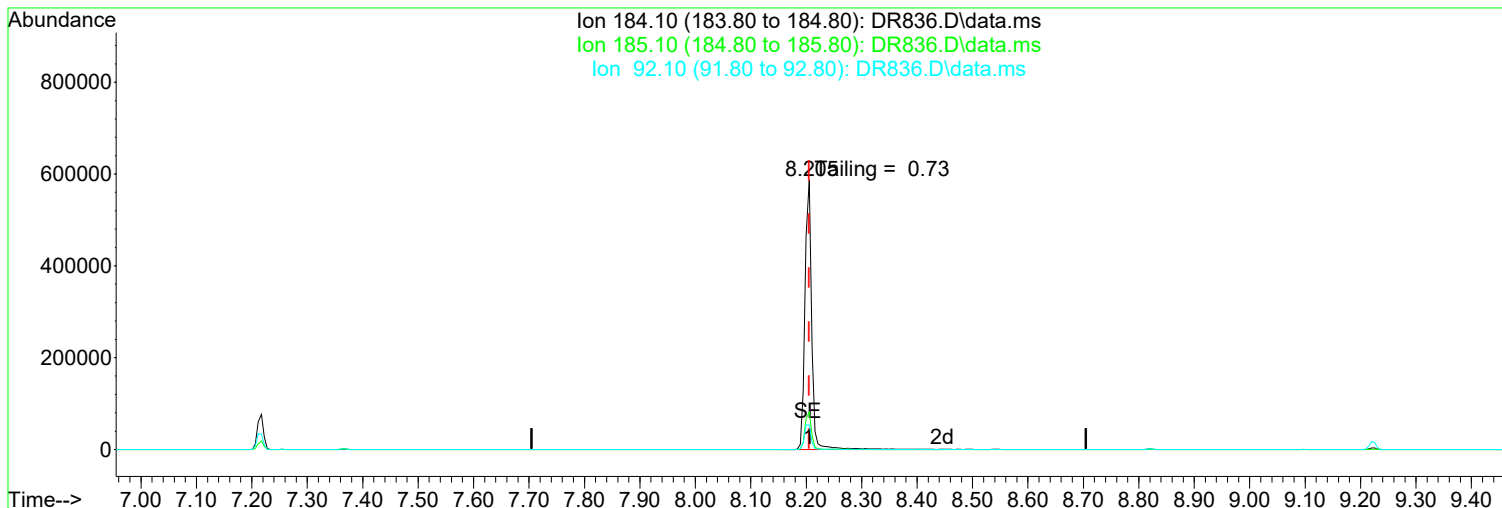
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	70.63
267.80	64.20	61.87
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR836.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.205min (0.000) 50.00 ppm

After

response 490286

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.97
92.10	10.10	9.18
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

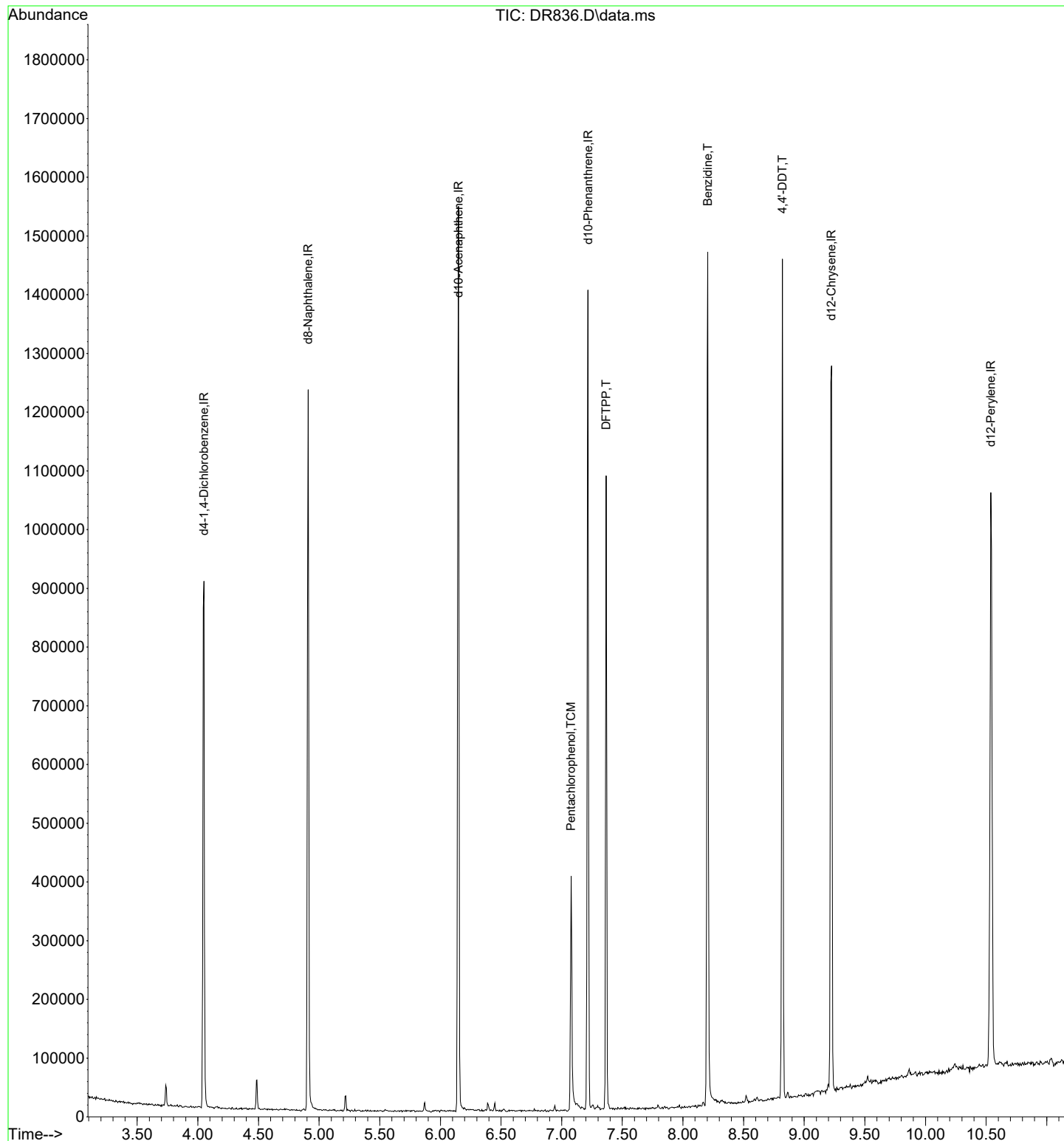
Quant Time: May 01 08:04:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.050	152	127514	40.00	ppm	0.00	
2) d8-Naphthalene	4.910	136	472511	40.00	ppm	0.00	
3) d10-Acenaphthene	6.149	164	249171	40.00	ppm	0.00	
4) d10-Phenanthrene	7.217	188	397699	40.00	ppm	0.00	
7) d12-Chrysene	9.225	240	361333	40.00	ppm	0.00	
12) d12-Perylene	10.539	264	366094	40.00	ppm	0.00	
Target Compounds							
5) Pentachlorophenol	7.078	266	36430	50.000	ppm		Qvalue 94
6) DF'PPP	7.367	198	77564	50.000	ppm	#	60
8) Benzidine	8.205	184	490286	50.000	ppm		98
9) 4,4'-DDE	7.367	246	1344	N.D.			
10) 4,4'-DDD	8.611	235	1155	N.D.			
11) 4,4'-DDT	8.819	235	194425	50.000	ppm		92

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

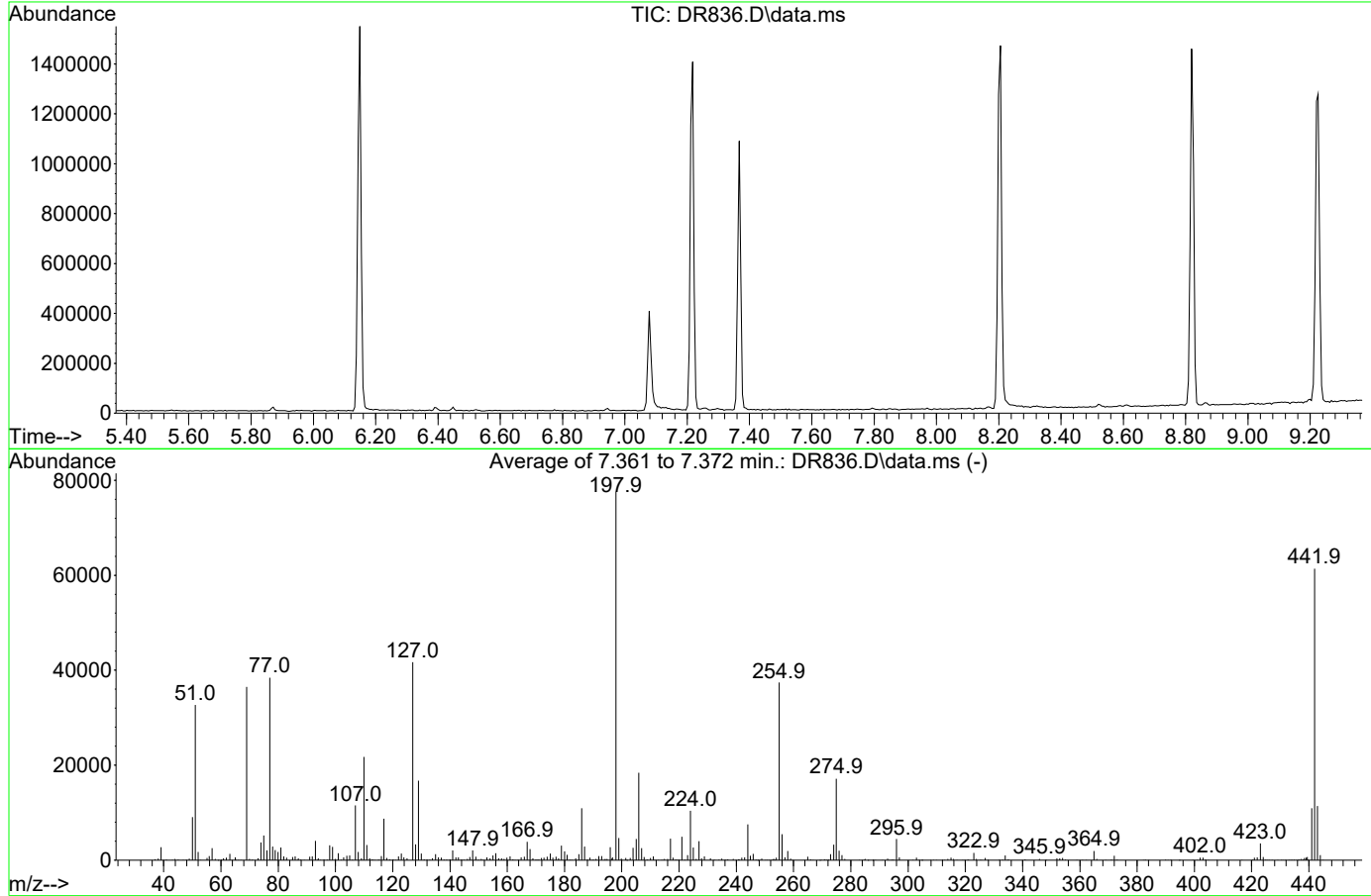
Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



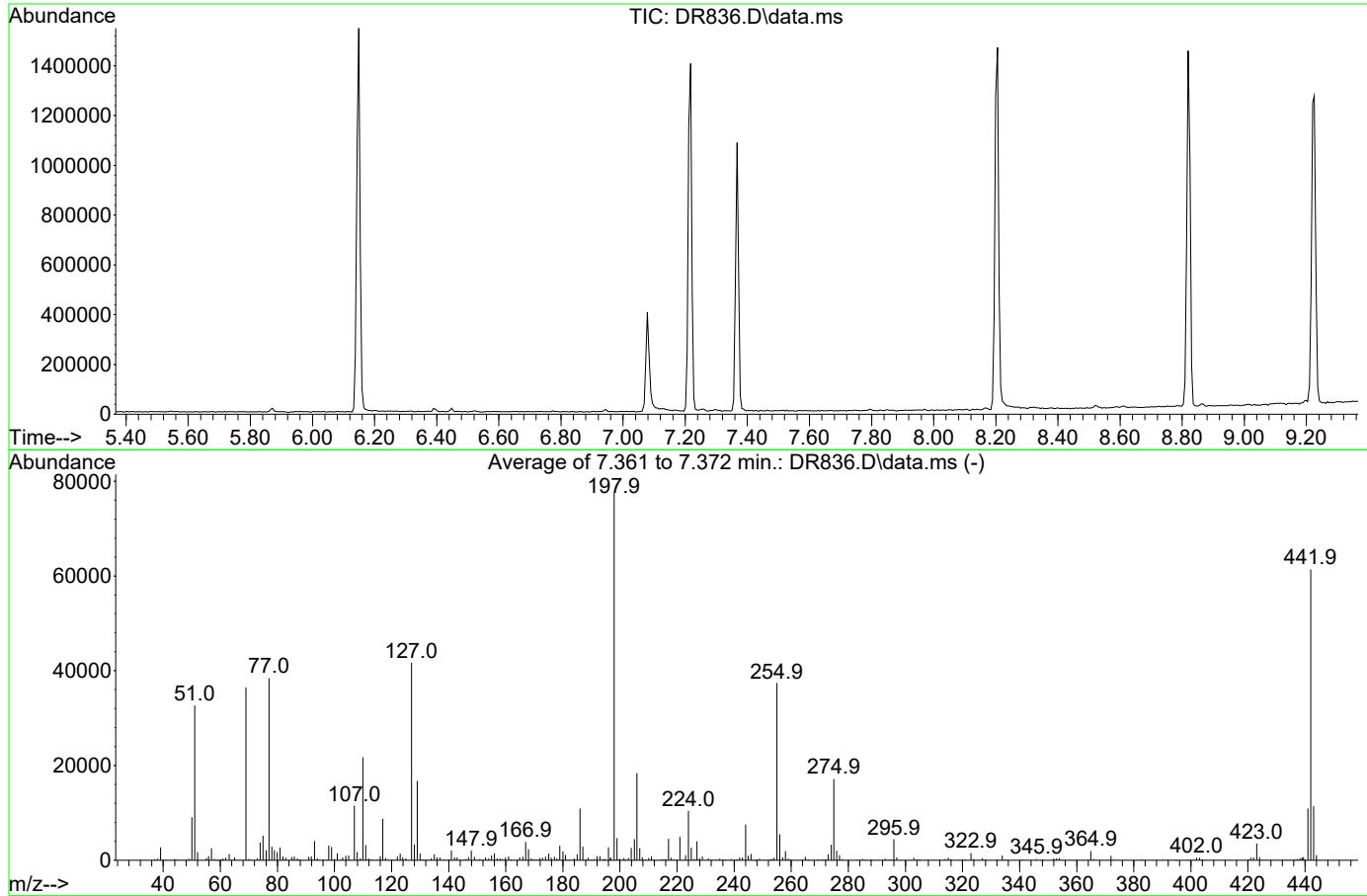
AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	40	60	53.7	41683	PASS
197	198	0.00	1	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	30	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	443	0.01	100	95.6	10928	PASS
442	198	50	500	79.1	61379	PASS
443	442	17	23	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0.00	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR838.D
 Acq On : 30 Apr 2019 9:12 am
 Operator : JMisiurewicz
 Sample : BLK
 Misc : Initial Calibration 8270/625
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108718	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	409285	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	209821	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	331611	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296997	40.00	ppm	0.00
135) d12-Perylene	15.295	264	302062	40.00	ppm	0.00

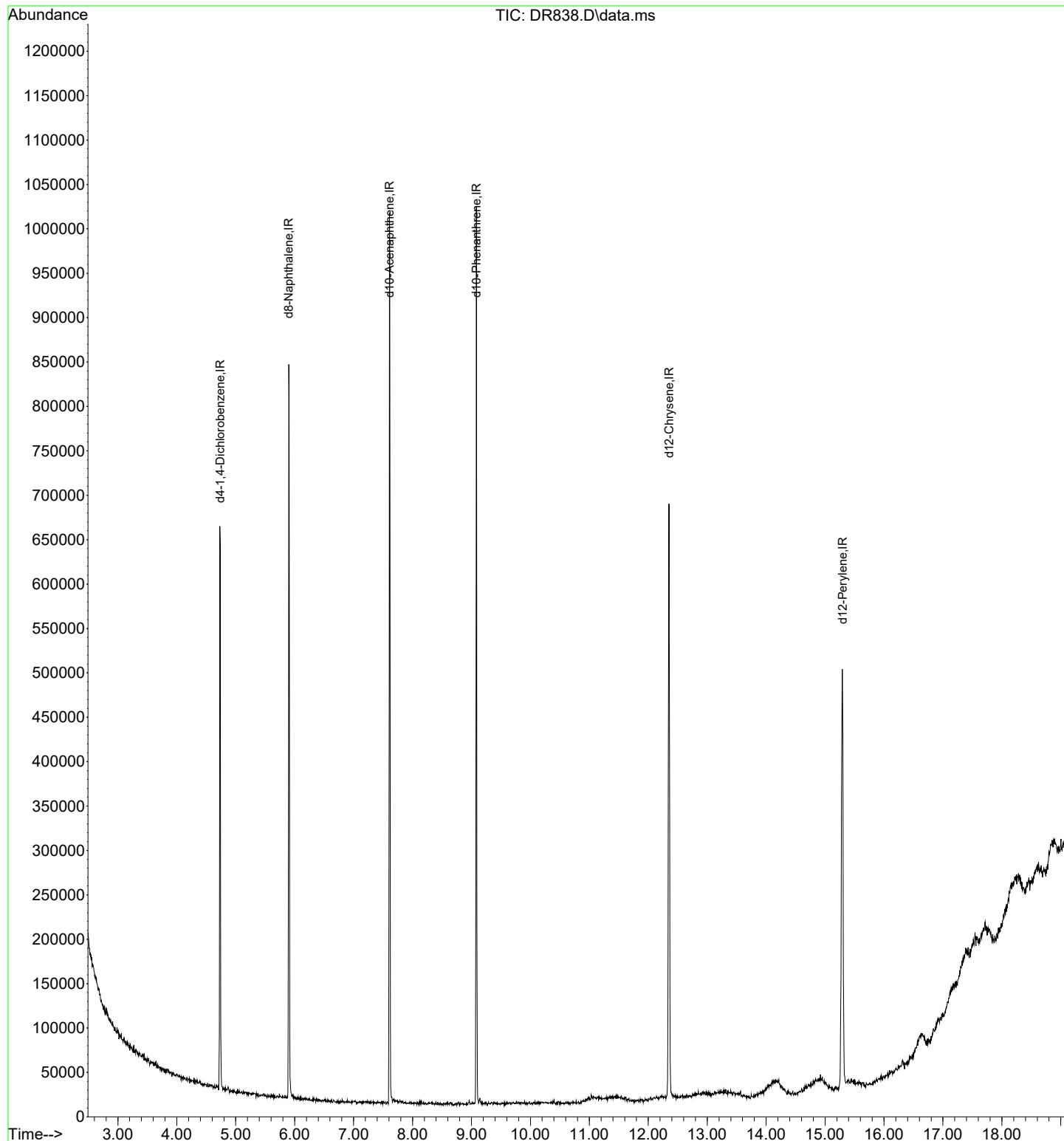
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.00%#
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.00%#
34) SURR4,NITROBENZENE-D5	5.238	82	161	0.04	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	0.08%#
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	0.00%#
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	0.00%#
124) SURR6,TERPHENYL-D14	10.776	244	163	0.02	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	0.04%#

Target Compounds Qvalue

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

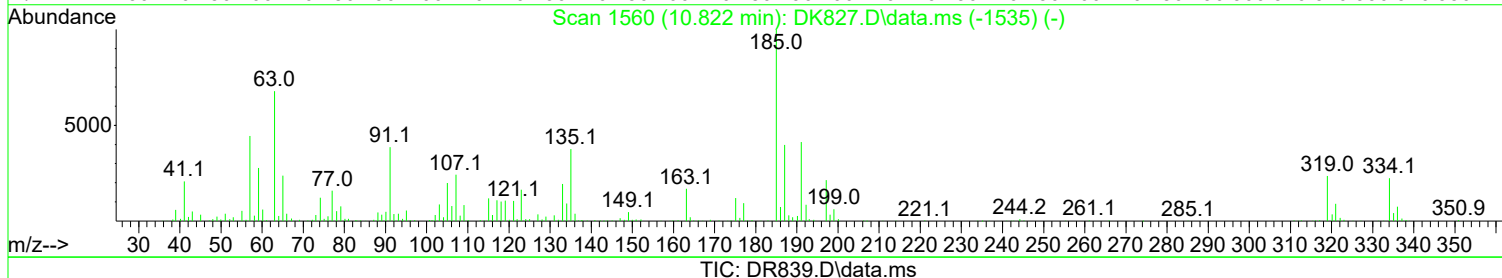
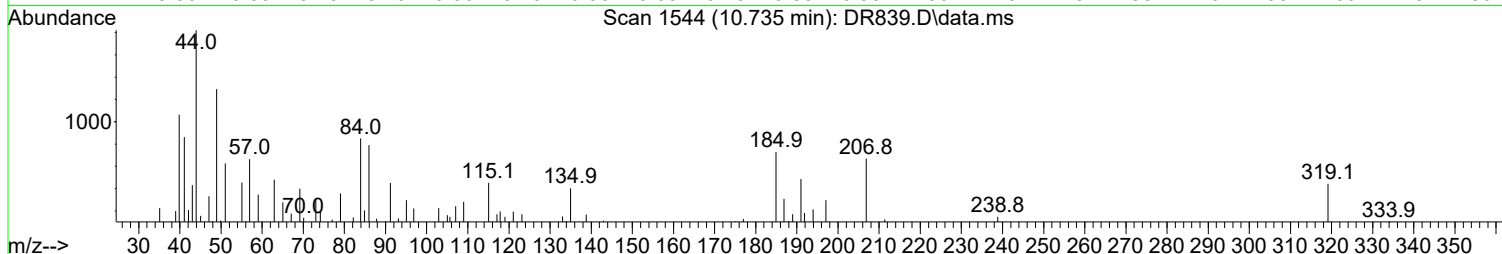
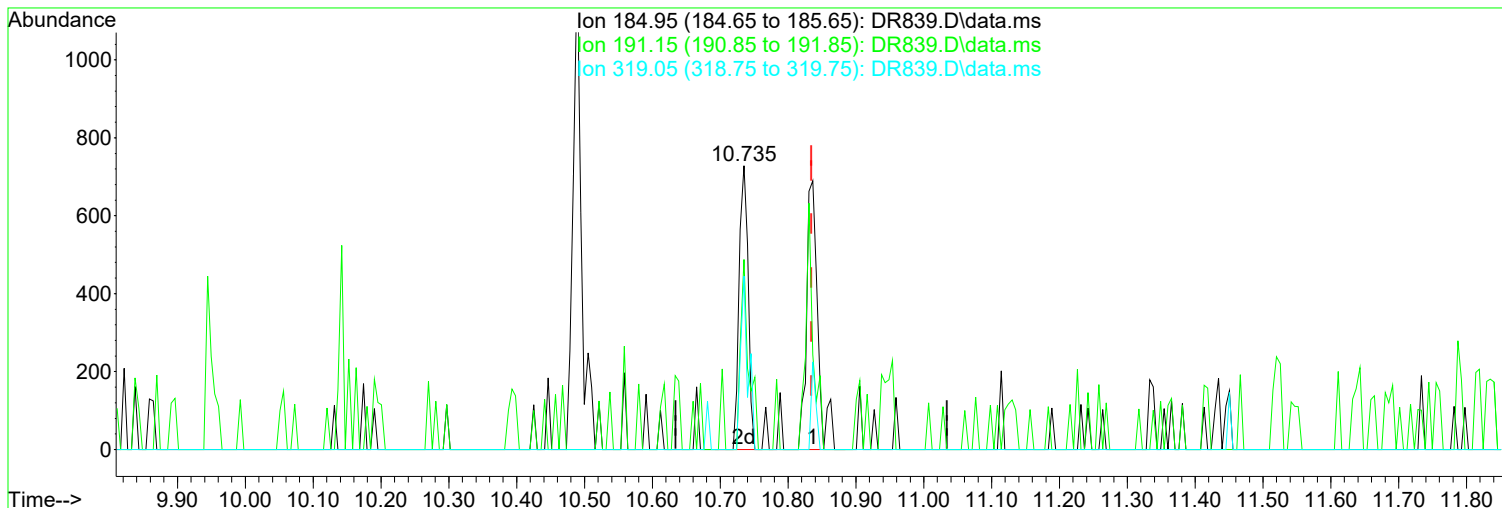
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.735min (-0.100) 1.05 ppm m

After

response 1552

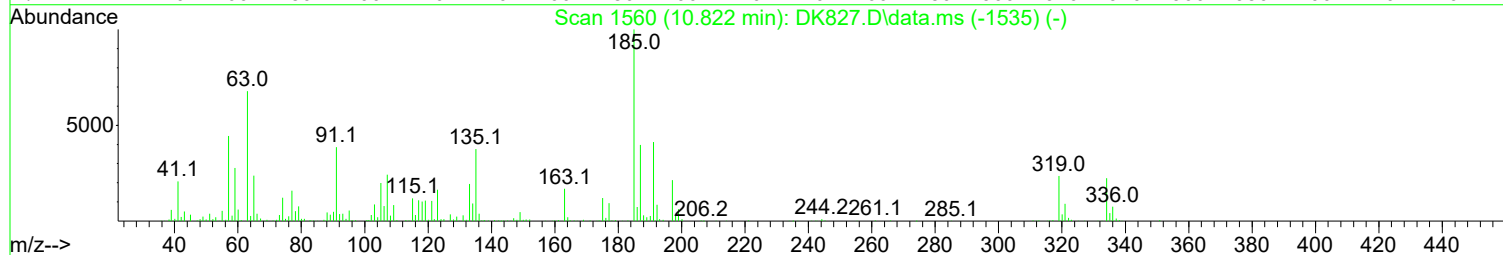
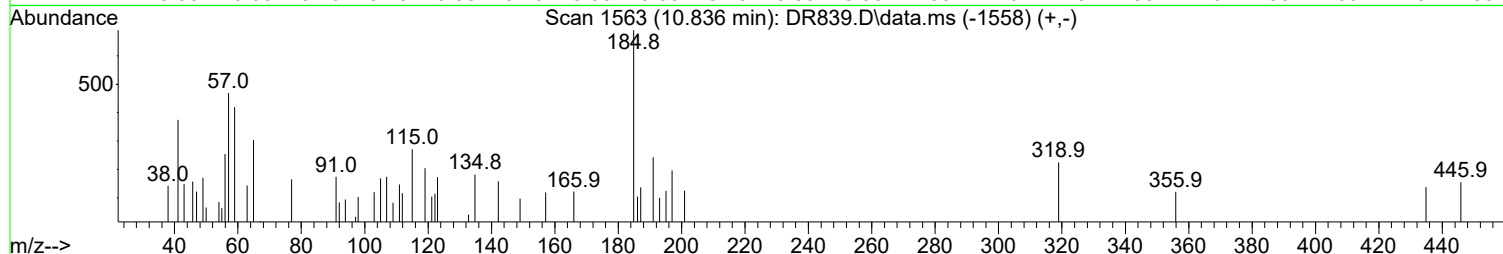
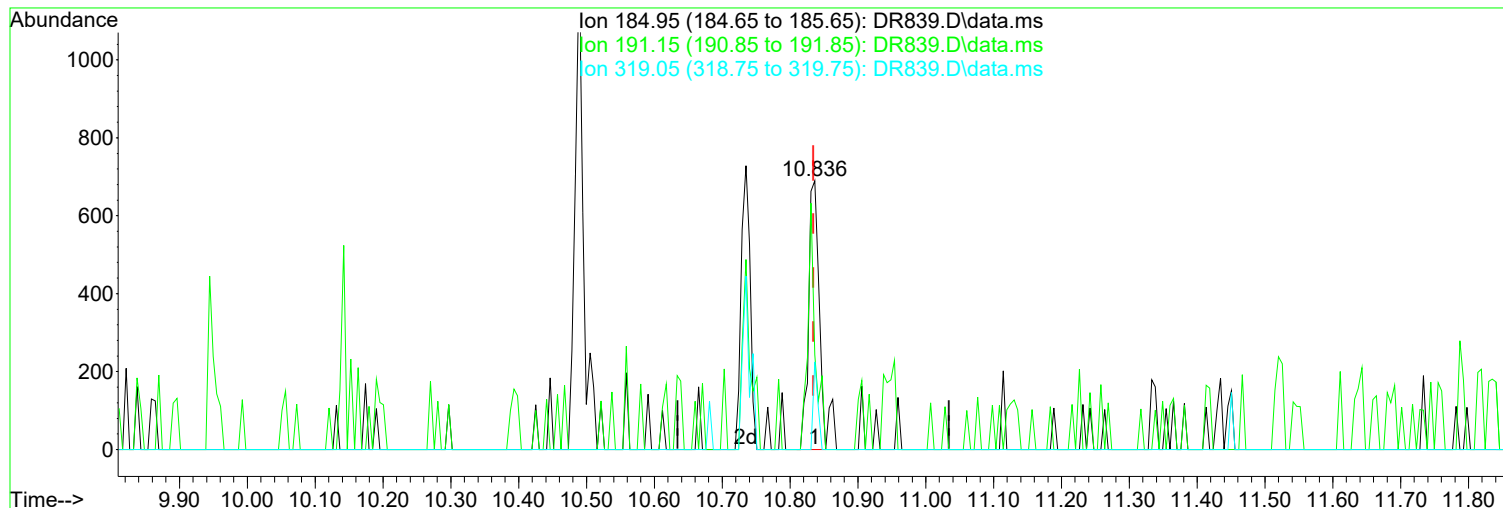
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	67.03
319.05	16.80	61.13#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 0.49 ppm

Before

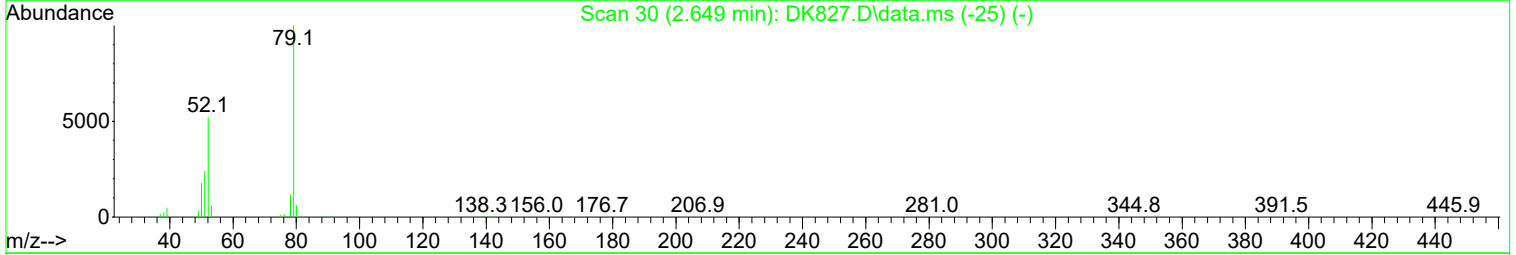
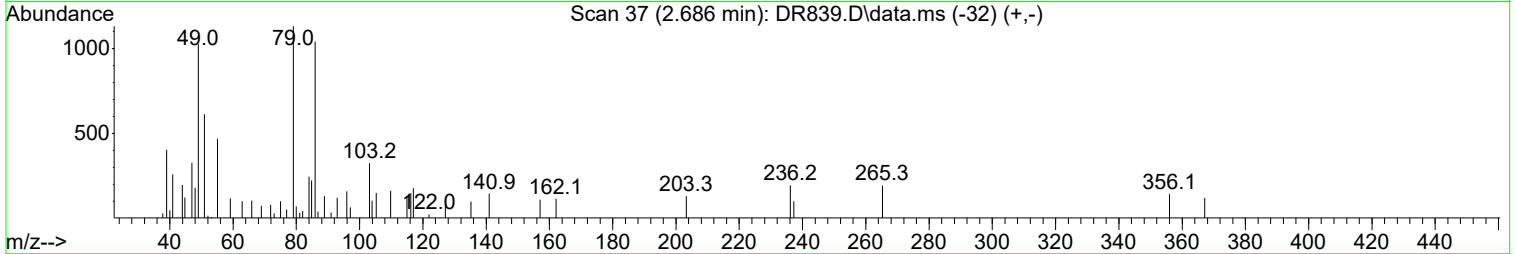
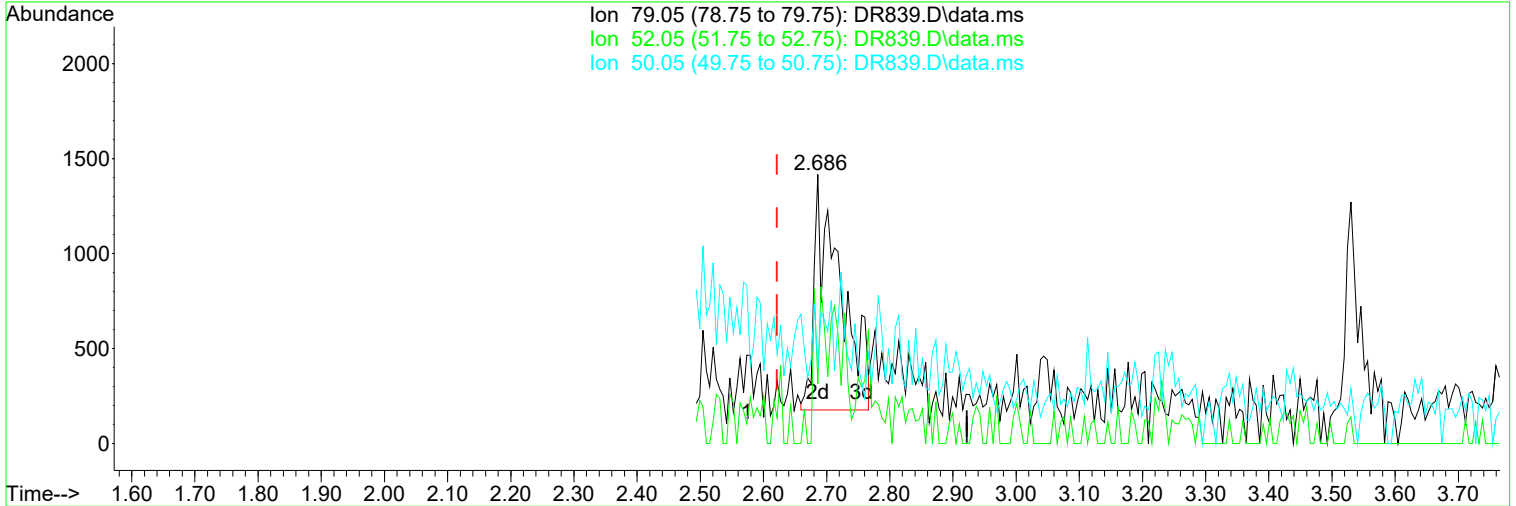
response 724

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	35.22
319.05	16.80	24.64
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

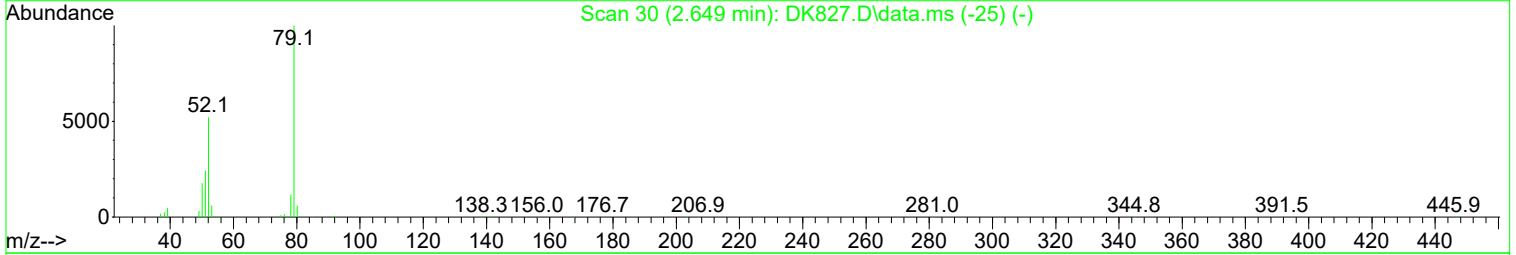
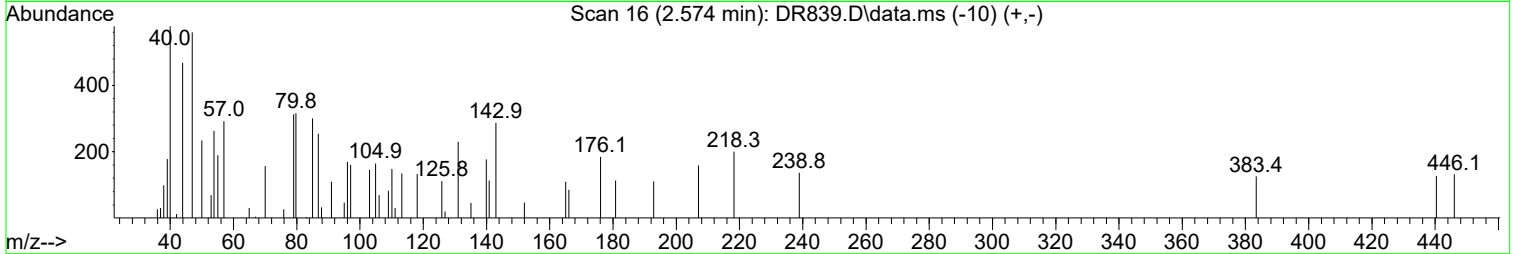
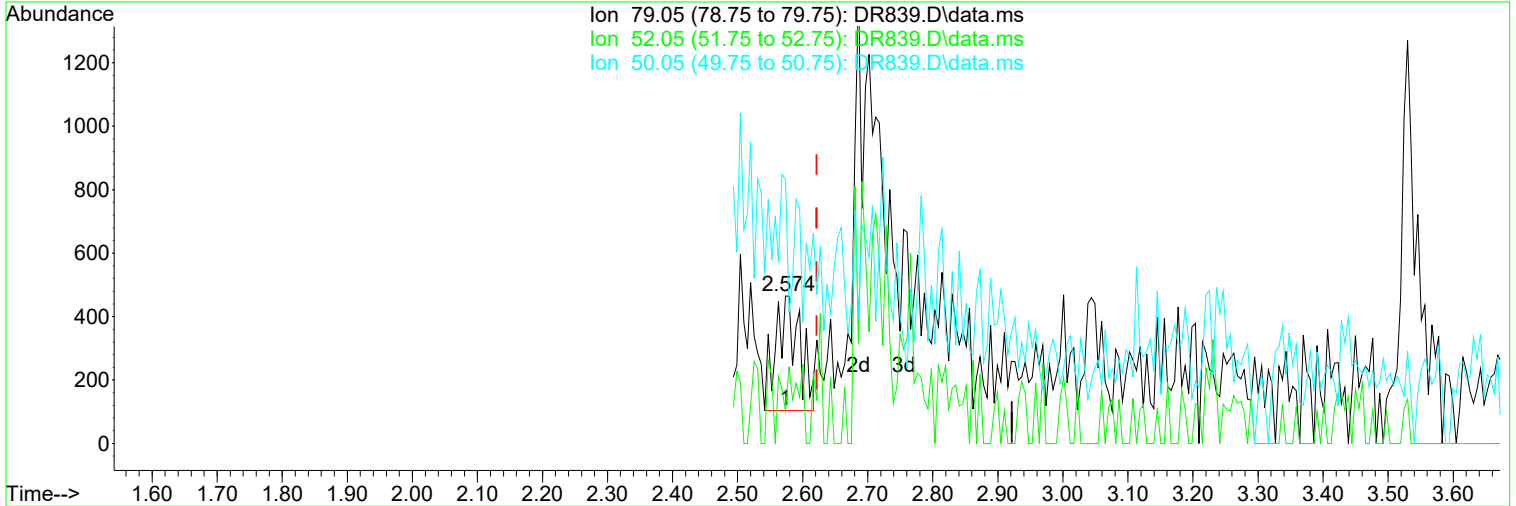
(2) Pyridine (TM)

2.686min (+ 0.064)	0.83 ppm m	
response	3564	
Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	22.25#
50.05	24.10	28.18
0.00	0.00	0.00

Manual Integration:
After
Peak not found.
05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.574min (-0.048) 0.22 ppm

Before

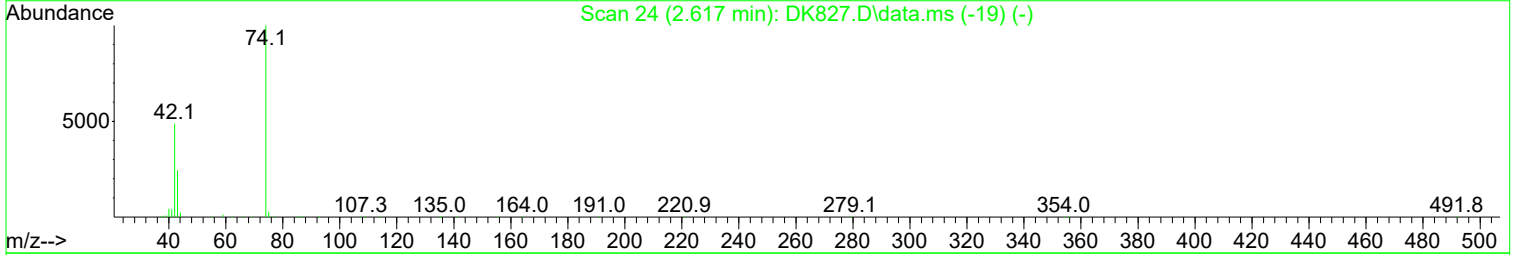
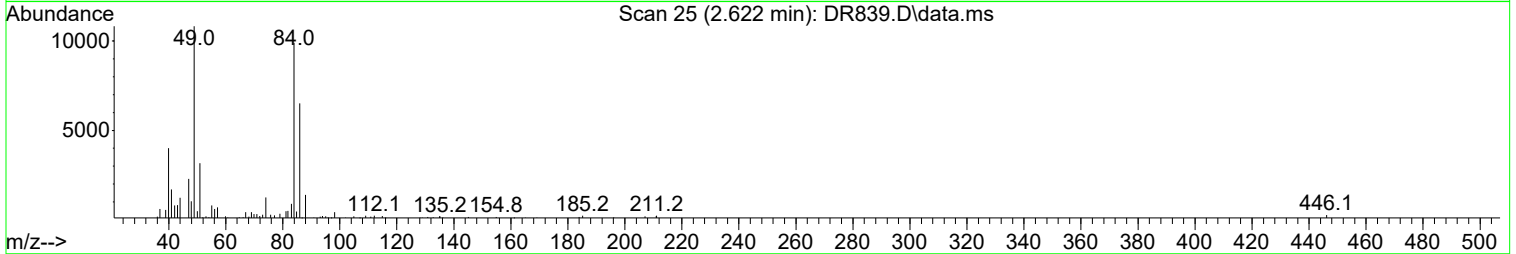
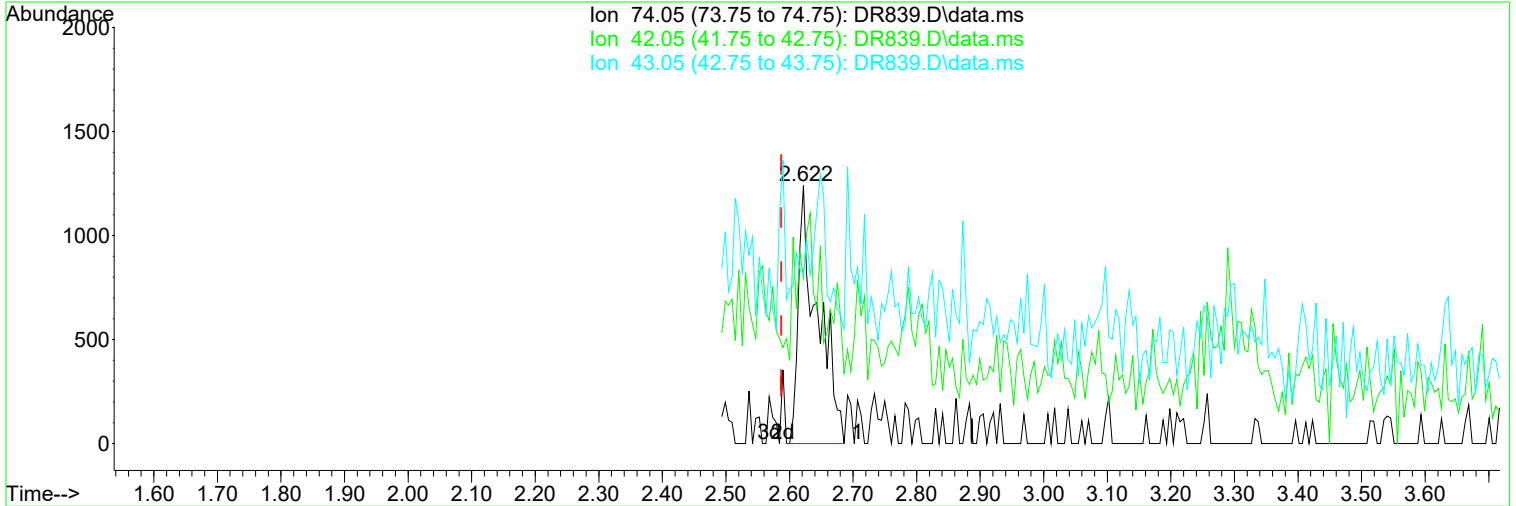
response 921

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	0.00#
50.05	24.10	37.28
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

2.622min (+ 0.034) 1.01 ppm m

response 2622

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	64.33
43.05	28.80	65.62#
0.00	0.00	0.00

Manual Integration:

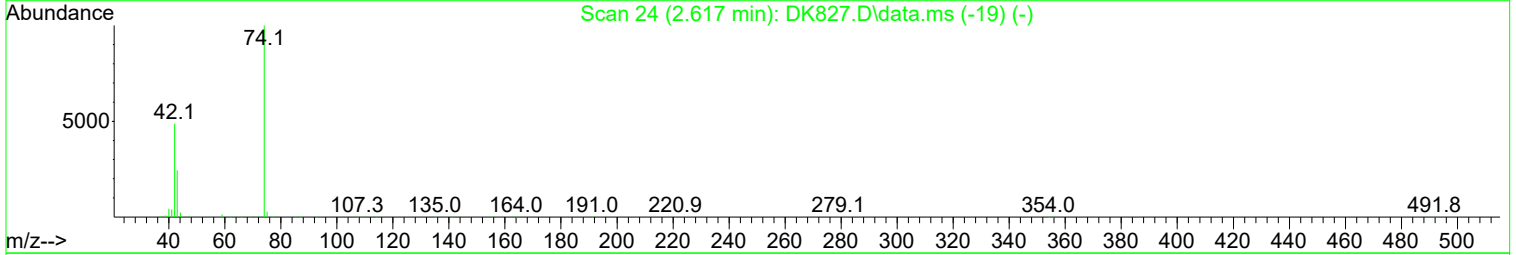
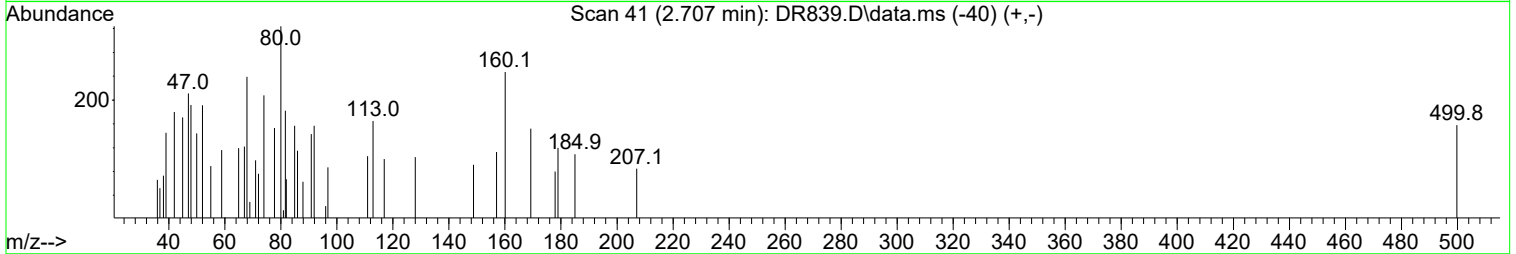
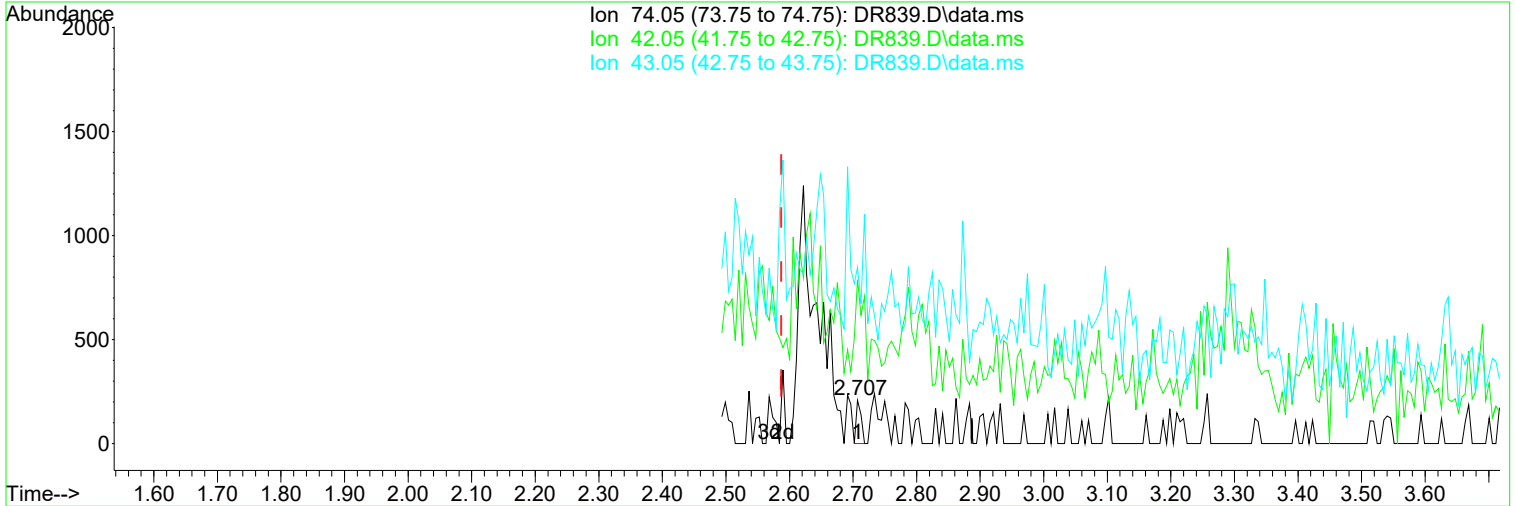
After

Peak not found.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.707min (+ 0.120) 0.04 ppm

Before

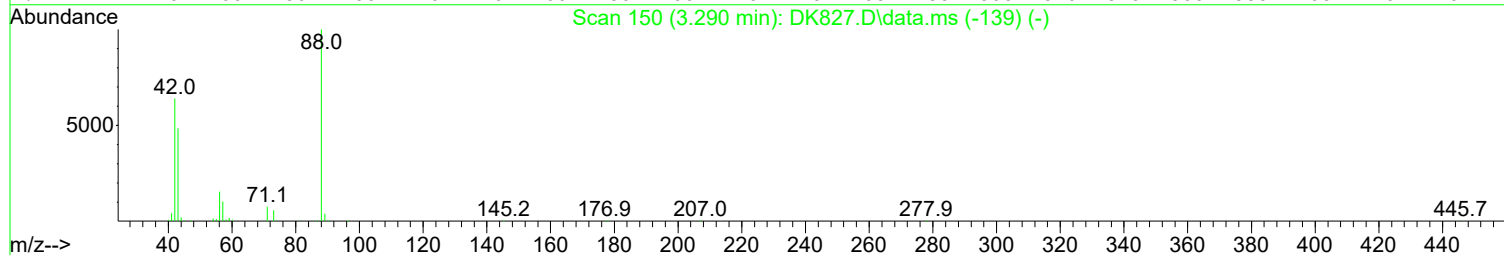
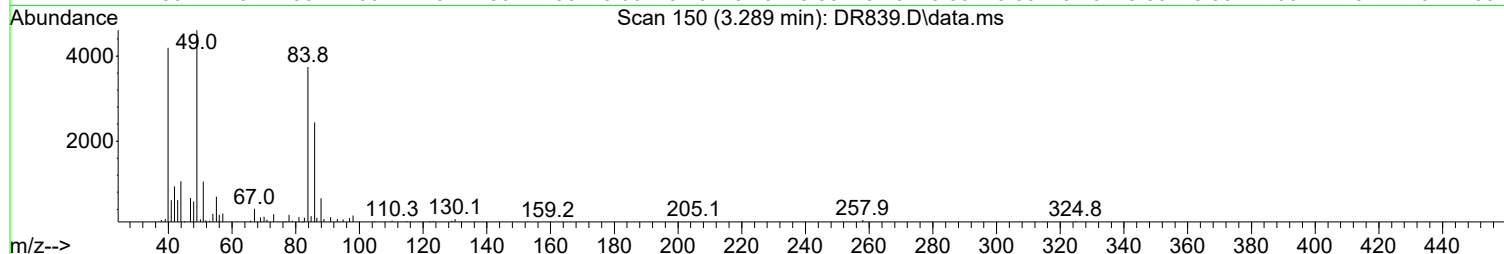
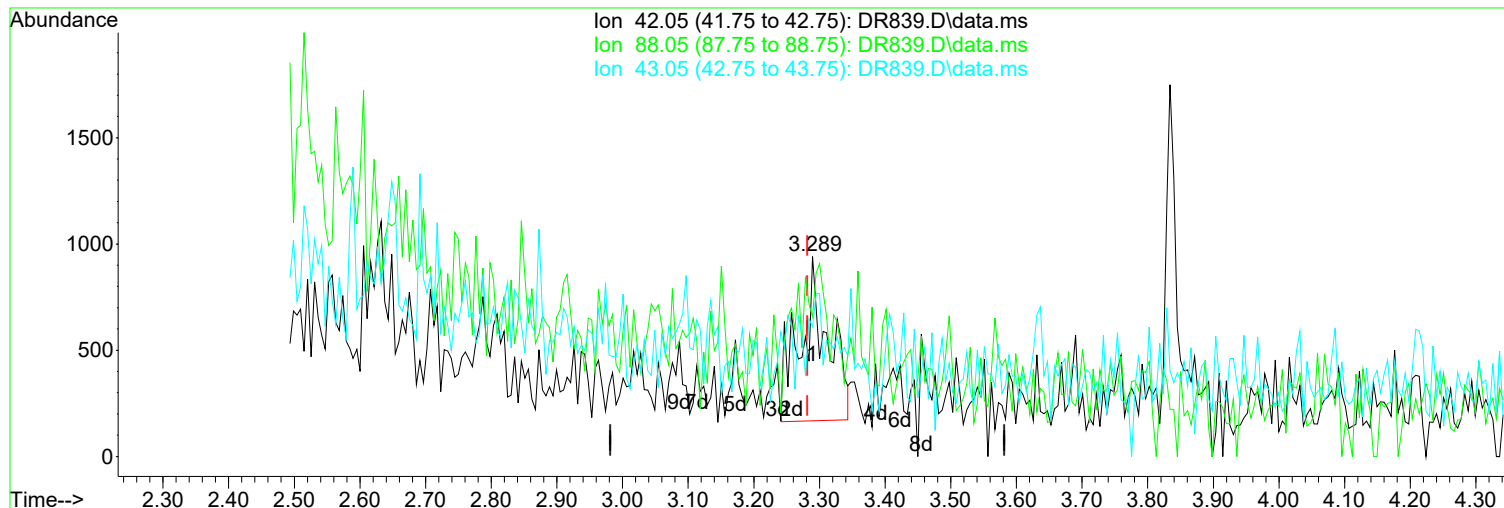
response 111

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.78
43.05	28.80	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 1.24 ppm m

After

response 2237

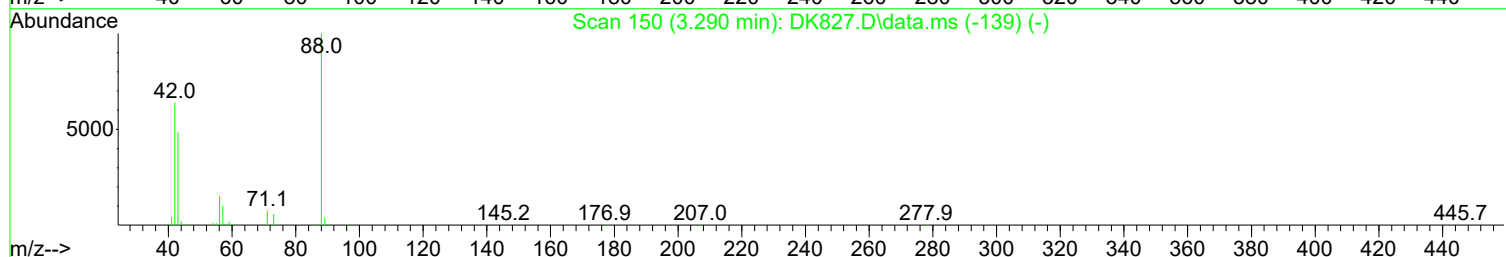
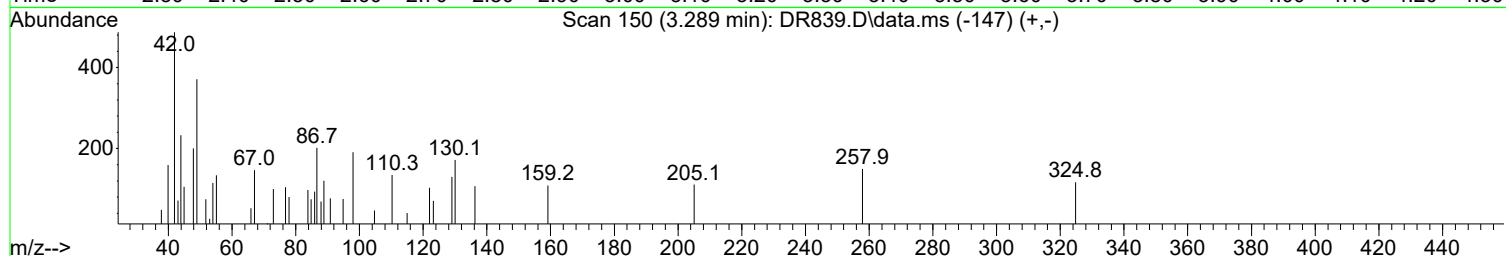
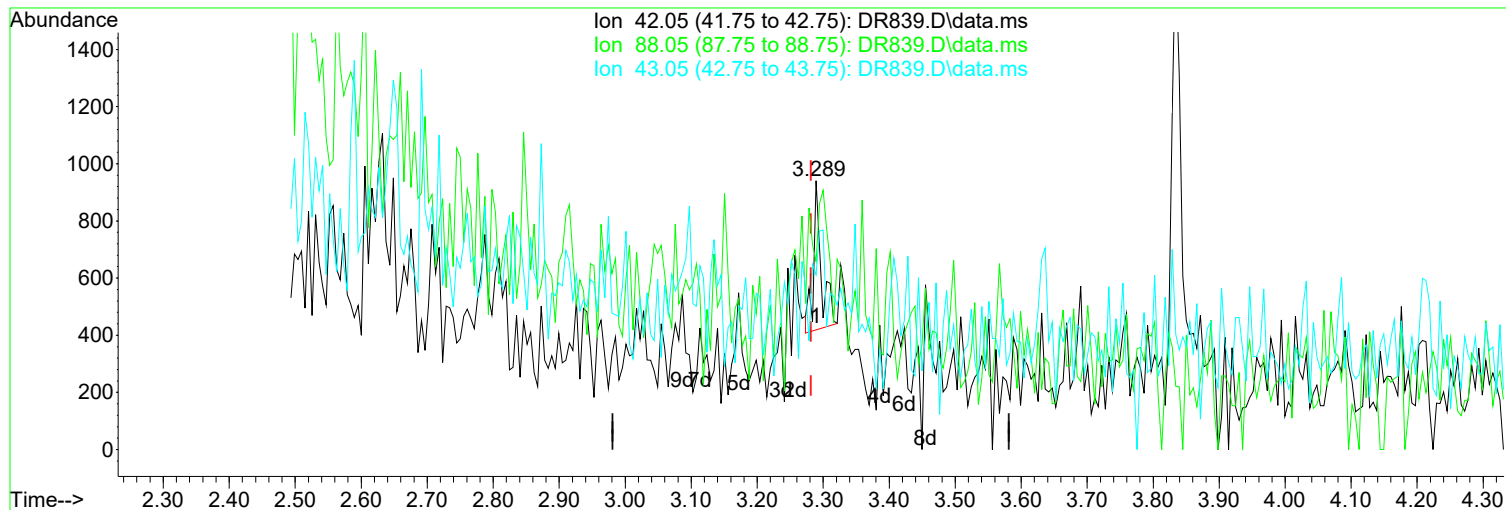
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	69.93#
43.05	73.90	64.93
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR839.D\data.ms

(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 0.24 ppm

Before

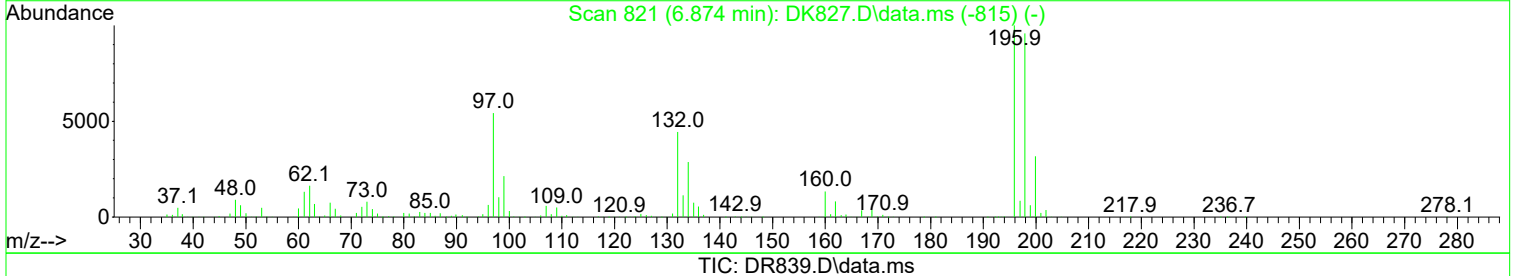
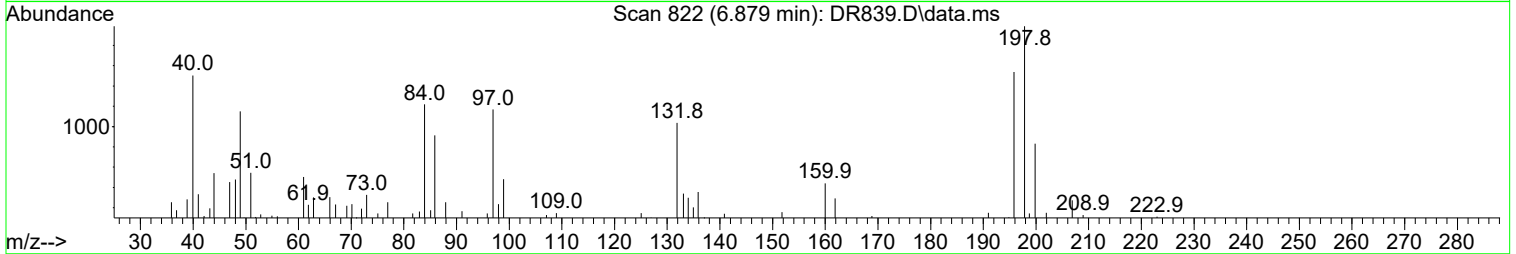
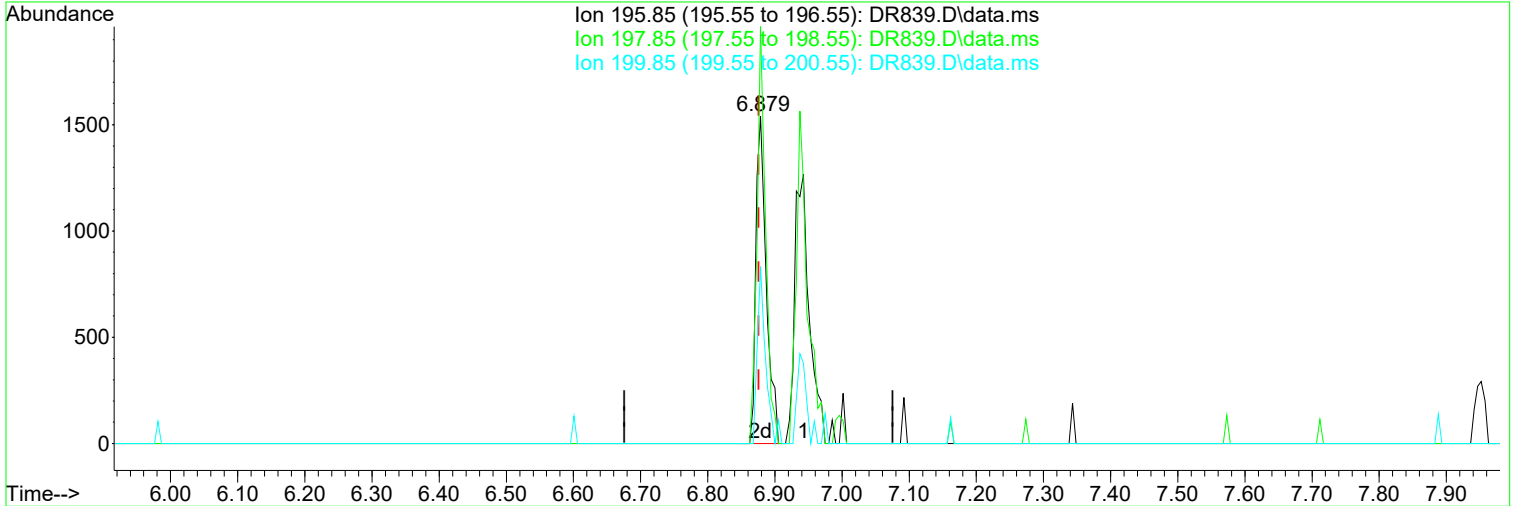
response 435

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	14.27#
43.05	73.90	14.89#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(61) 2,4,6-Trichlorophenol (TCM)

6.879min (+ 0.003) 0.85 ppm m

response 1660

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	129.24#
199.85	32.00	54.06#
0.00	0.00	0.00

Manual Integration:

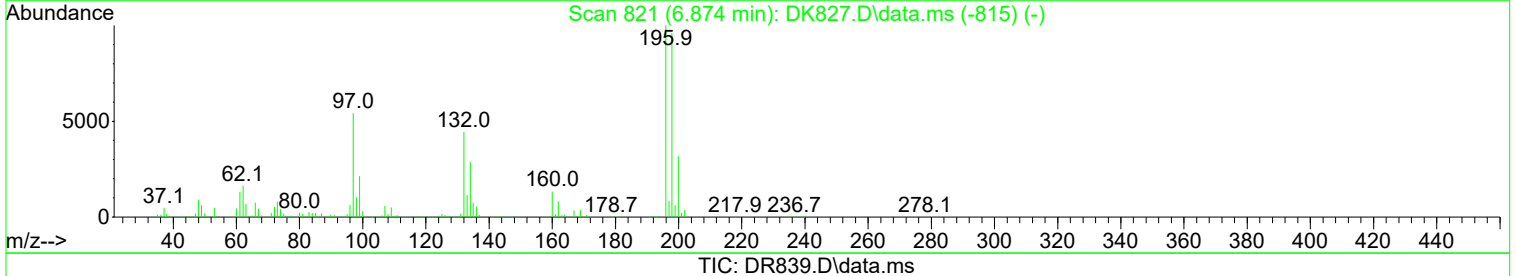
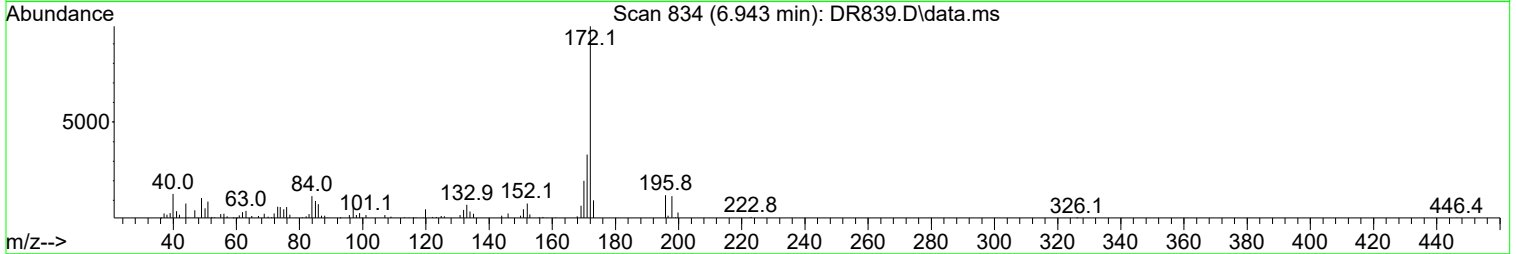
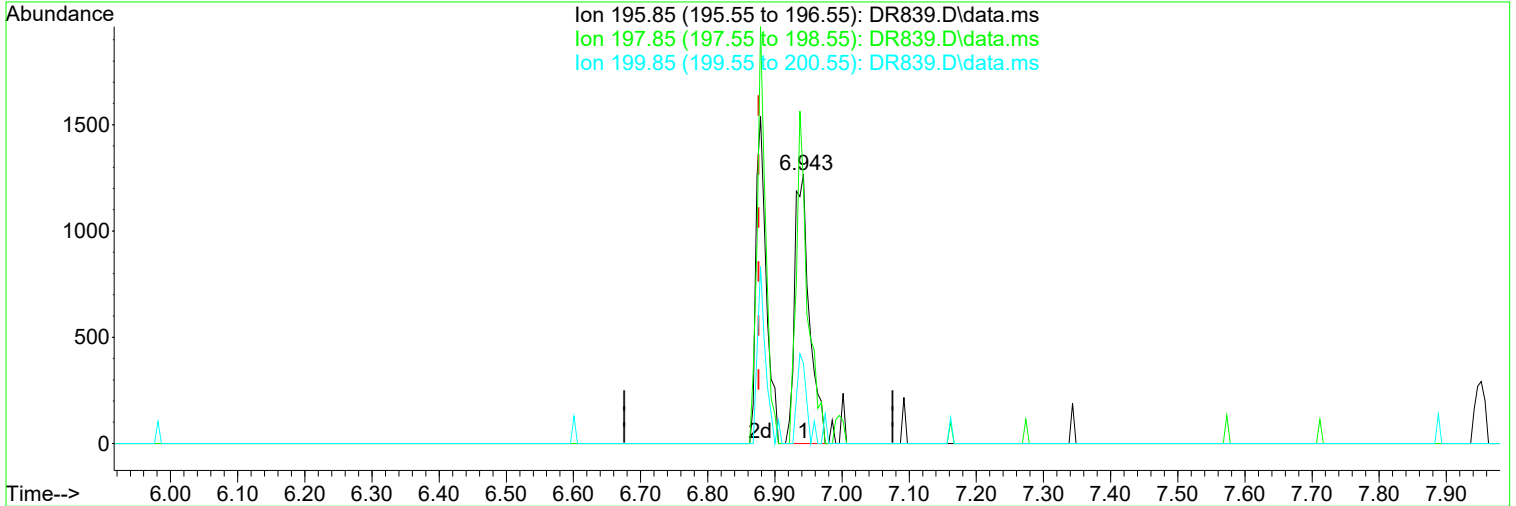
After

Wrong peak selected.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.943min (+ 0.067) 1.00 ppm

Before

response

1945

Ion

Exp%

Act%

05/01/19

195.85 100.00 100.00

197.85 102.70 96.45

199.85 32.00 29.78

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	111575	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	417154	40.00	ppm	0.00
57) d10-Acenaphthene	7.610	164	208822	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	324805	40.00	ppm	0.00
117) d12-Chrysene	12.348	240	293790	40.00	ppm	0.00
135) d12-Perylene	15.291	264	297907	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.669	112	4026	0.99	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.99%#
12) SURR2,PHENOL-D6	4.432	99	4463	0.90	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.90%#
34) SURR4,NITROBENZENE-D5	5.234	82	4521	1.07	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	2.14%#
63) SURR5,2-FLUOROBIPHENYL	6.943	172	7719	0.97	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	1.94%#
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	912	1.07	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	1.07%#
124) SURR6,TERPHENYL-D14	10.767	244	6731	0.97	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	1.94%#

Target Compounds						Qvalue
2) Pyridine	2.686	79	3564m	0.832	ppm	
3) N-Nitrosodimethylamine	2.622	74	2622m	1.007	ppm	
4) 2-Picoline	3.231	93	4282	0.966	ppm	90
5) N-Nitrosomethylamine	3.289	42	2237m	1.242	ppm	
6) Methyl Methansulfonate	3.535	80	1884	0.933	ppm	89
8) N-Nitrosodiethylamine	3.839	102	2055	1.038	ppm	63
9) Ethyl Mathanesulfonate	4.080	79	3816	1.119	ppm	90
10) Benzaldehyde	4.368	106	5752	2.015	ppm	82
11) Aniline	4.454	93	5796	0.911	ppm	83
13) Phenol	4.443	94	5163	0.947	ppm	86
14) bis(2-Clethyl)Ether	4.496	93	4342	1.151	ppm	78
15) Pentachloroethane	4.486	117	1597	1.051	ppm	94
16) 2-Chlorophenol	4.566	128	4481	1.046	ppm	92
17) 1,3-Diclbzene	4.683	146	4354	0.977	ppm	92
18) 1,4-Dichlorobenzene	4.747	146	4617	1.012	ppm	91
19) 1,2-Diclbzene	4.881	146	4303	0.987	ppm	94
20) Benzyl Alcohol	4.870	79	2595	0.895	ppm	# 69
21) 1-Methyl-2-pyrrolidinone	4.913	99	2380	0.898	ppm	# 70
22) 2,2'-oxybis(1-Chloropr...	4.961	45	3494	0.964	ppm	# 77
23) 2-Methylphenol	4.966	108	4073	1.060	ppm	81
24) 3+4-Methylphenol	5.111	108	4599	1.058	ppm	# 81
25) Acetophenone	5.089	105	5668	1.049	ppm	87
26) N-Nitroso-Di-n-propyla...	5.079	70	3088	1.060	ppm	82
27) N-Nitrosopyrrolidine	5.084	100	2045	0.965	ppm	# 73
28) N-Nitrosomorpholine	5.116	56	2317	1.111	ppm	96
29) o-Toluidine	5.127	106	6027	1.005	ppm	73
30) Hexachloroethane	5.180	117	1966	1.120	ppm	# 80
31) o,o,o-Triethylphosphor...	5.623	198	1863	1.019	ppm	81
32) Alpha-terpinol	5.923	121	1484	1.041	ppm	# 66
35) Nitrobenzene	5.255	77	4326	1.018	ppm	94
36) N-Nitrosopiperidine	5.394	42	2208	0.955	ppm	89
37) Isophorone	5.463	82	6935	0.979	ppm	91
38) 2-Nitrophenol	5.549	139	2196	0.998	ppm	92

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	3863	0.975	ppm	90
40) bis(-2-Chloroethoxy)Me...	5.661	93	3887	0.933	ppm	94
42) 2,4-Dichlorophenol	5.805	162	2936	0.936	ppm	80
43) a,a-Dimethylphenethyla...	5.821	58	6634	0.839	ppm	61
44) 1,2,4-Trichlorobenzene	5.842	180	3130	0.946	ppm	91
45) Naphthalene	5.923	128	11839	1.030	ppm	94
46) 4-Chloroaniline	5.987	127	4816	1.001	ppm	91
47) 2,6-Dichlorophenol	5.992	162	3214	0.980	ppm	82
48) Hexachlorobutadiene	6.024	225	1579	0.942	ppm #	67
49) Hexachloropropene	5.997	213	2070	0.988	ppm	98
50) 4-Chloro-3-methylphenol	6.473	107	3128	1.000	ppm	75
51) N-N-di-n-butylamine	6.286	84	2712	1.091	ppm	75
52) Caprolactam	6.318	113	1422	1.143	ppm #	61
53) p-Phenylenediamine	6.344	80	648	0.789	ppm	90
54) Safrole	6.499	162	2759	0.935	ppm	88
55) 2-Methylnaphthalene	6.590	142	7072	0.950	ppm	97
56) 1-Methylnaphthalene	6.686	142	6874	0.987	ppm	82
58) Hexachlorocyclopentadiene	6.729	237	295	1.403	ppm	67
59) 1,2,4,5-Tetrachloroben...	6.750	216	2761	0.898	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.028	216	3104	0.959	ppm	94
61) 2,4,6-Trichlorophenol	6.879	196	1660m	0.853	ppm	
62) 2,4,5-Trichlorophenol	6.943	196	1945	0.929	ppm	97
64) Isosafrole	7.007	104	1669	1.243	ppm #	66
65) 1,1'-Biphenyl	7.044	154	9050	0.978	ppm	93
66) 2-Chloronaphthalene	7.071	162	6707	1.003	ppm	94
67) 2-Nitroaniline	7.183	65	2143	1.121	ppm #	65
68) 1,4-Naphthoquinone	7.258	158	1277	0.608	ppm	79
69) m-Dinitrobenzene	7.407	168	1251	0.952	ppm	86
70) Acenaphthylene	7.471	152	11068	1.033	ppm	88
71) Dimethyl phthalate	7.343	163	8275	1.059	ppm	96
72) 2,6-Dinitrotoluene	7.413	165	1811	1.020	ppm	86
73) Acenaphthene	7.642	153	7409	0.995	ppm	96
74) 3-Nitroaniline	7.594	138	1987	0.974	ppm	87
76) Dibenzofuran	7.813	168	9326	1.014	ppm	89
77) 2,4-Dinitrotoluene	7.819	165	2317	0.989	ppm #	69
79) Pentachlorobenzene	7.771	250	2371	0.963	ppm #	63
80) 1-Napthylamine	7.904	143	4915	1.015	ppm	93
81) 2-Napthylamine	7.984	143	6318	1.023	ppm	82
82) 2,3,4,6-Tetrachlorophenol	7.952	232	1044	0.730	ppm	71
83) Fluorene	8.155	166	7890	1.043	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	3083	1.010	ppm	93
85) Diethylphthalate	8.032	149	8006	1.034	ppm	97
86) 4-Nitroaniline	8.203	138	1790	0.890	ppm	96
87) 5-Nitro-o-toluidine	8.182	152	2135	0.935	ppm	92
89) Sulfotepp	8.411	322	988	1.023	ppm	94
90) Octachlorocyclopentene	8.390	307	910	0.925	ppm	75
92) Thionazin	8.112	107	1474	1.157	ppm	87
94) Diphenylamine	8.267	169	11320	1.972	ppm	98
95) 1,2 Diphenylhydrazine	8.305	77	7345	1.014	ppm	90
96) N-Nitrosodiphenylamine	8.267	169	11320	1.972	ppm	98
98) Diallate	8.540	86	3457	1.181	ppm	95
99) Phorate	8.556	121	1564	1.041	ppm	85
100) Phenacetin	8.588	108	3396	0.897	ppm	93
101) 4-Bromophenyl-phenylether	8.636	248	1858	1.094	ppm	93
102) Hexachlorobenzene	8.695	284	2062	1.080	ppm #	71
103) Dimethoate	8.737	87	2877	1.159	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

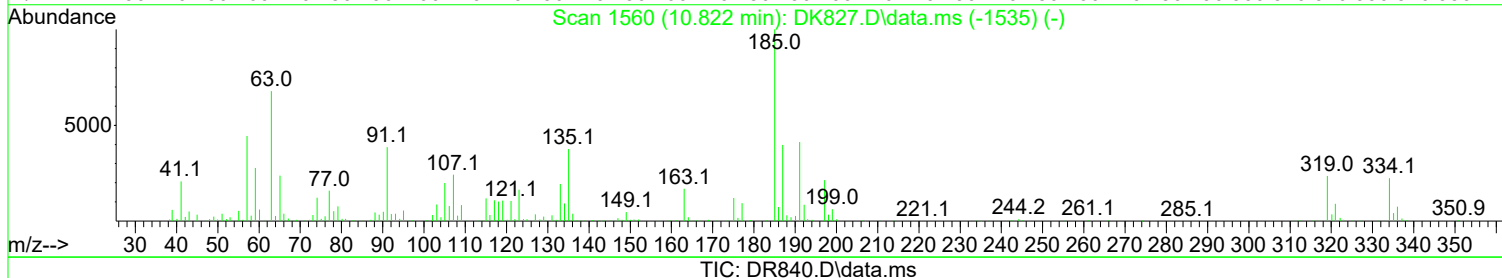
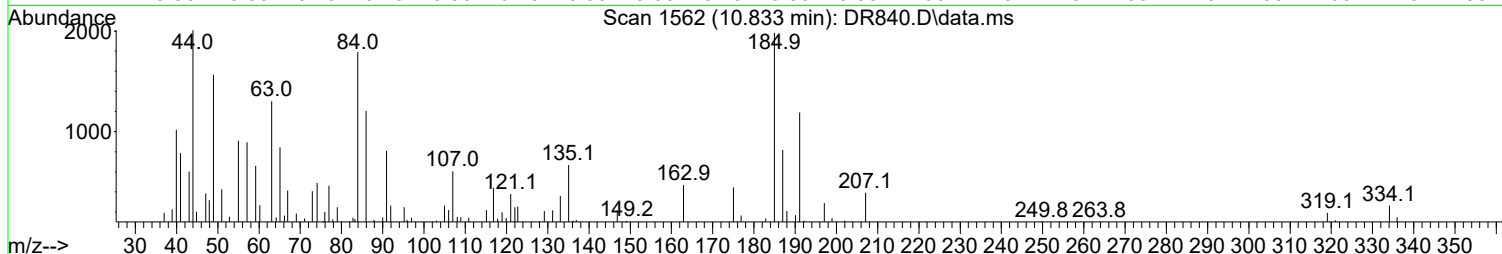
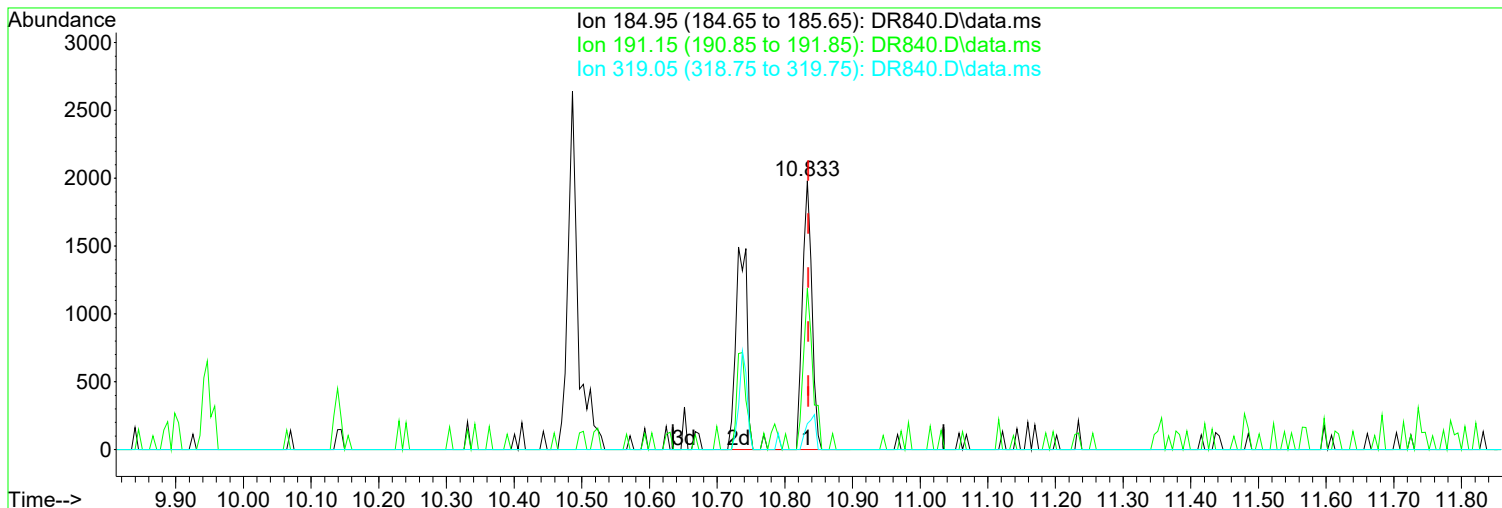
Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) Atrazine	8.796	215	901	0.970	ppm	92
106) 4-Aminobiphenyl	8.897	169	5691	0.976	ppm	96
107) Pentachloronitrobenzene	8.897	237	608	0.862	ppm	95
108) Pronamide	8.951	173	2914	0.877	ppm	73
109) Dinoseb	9.068	211	869	0.527	ppm	88
110) Disulfoton	9.079	88	7355	1.953	ppm	54
111) Phenanthrene	9.106	178	11083	1.079	ppm	97
112) Anthracene	9.159	178	10821	1.060	ppm	92
113) Carbazole	9.330	167	10129	1.010	ppm	95
114) Di-n-butylphthalate	9.645	149	12664	0.977	ppm	99
116) Fluoranthene	10.324	202	9960	0.947	ppm	92
118) Methyl Parathion	9.453	109	2386	1.024	ppm	88
119) Ethyl Parathion	9.832	97	1838	1.056	ppm #	55
120) Methapyrilene	9.944	58	2486	0.982	ppm	100
121) Isodrin	10.137	193	1201	1.118	ppm	78
122) Benzidine	10.489	184	6702	0.972	ppm	80
123) Pyrene	10.591	202	10301	0.955	ppm	99
125) Aramite	10.735	185	1552m	1.050	ppm	
126) p-(Dimethylamino)azobe...	10.954	120	3005	0.938	ppm	89
127) Chlorobenzilate	11.002	139	3439	0.918	ppm	91
128) Butyl benzyl phthalate	11.440	149	5899	0.986	ppm	93
129) 3,3-Dimethylbenzidine	11.434	212	6669	1.016	ppm	91
130) 2-Acetylaminofluorene	11.835	181	4683	0.980	ppm	88
131) 3,3'-Dichlorobenzidine	12.310	252	4285	1.097	ppm	80
132) Benzo(a)anthracene	12.326	228	10868	1.089	ppm	92
133) Chrysene	12.391	228	9838	1.072	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.396	149	8910	1.082	ppm	98
136) Di-n-octyl phthalate	13.720	149	14534	1.028	ppm	87
137) 7,12-Dimethylbenz(a)an...	14.442	256	4740	1.053	ppm	89
138) Benzo(b)Fluoranthene	14.452	252	9907	0.999	ppm	79
139) Benzo(k)fluoranthene	14.511	252	9685	1.031	ppm	90
140) Benzo(a)pyrene	15.157	252	8649	1.014	ppm	90
141) 3-Methylcholanthrene	15.932	268	5296	1.061	ppm	85
142) Indeno(1,2,3-cd)Pyrene	17.251	276	9447	1.130	ppm	89
143) Dibenz(a,h)anthracene	17.299	278	9403	1.073	ppm	83
144) Benzo(g,h,i)perylene	17.710	276	7682	1.066	ppm	92

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 2.51 ppm m

After

response 3704

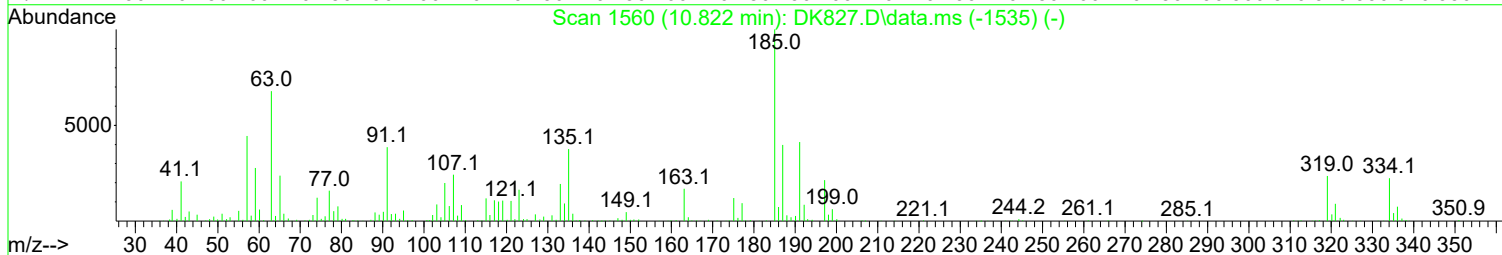
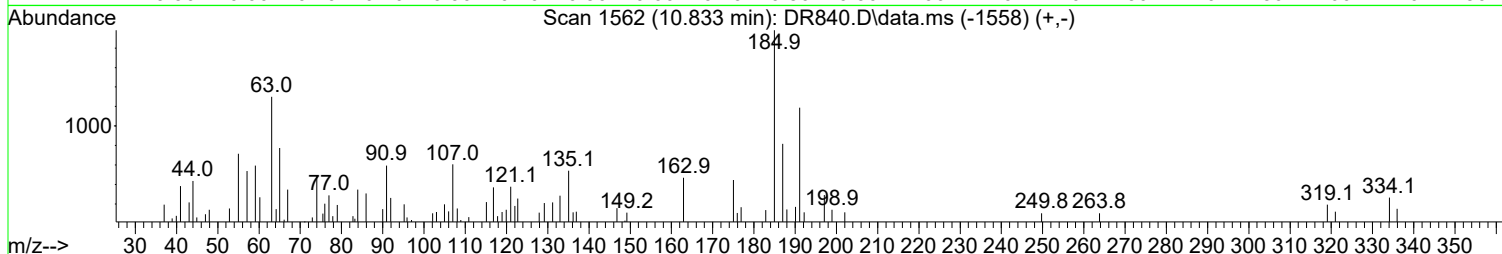
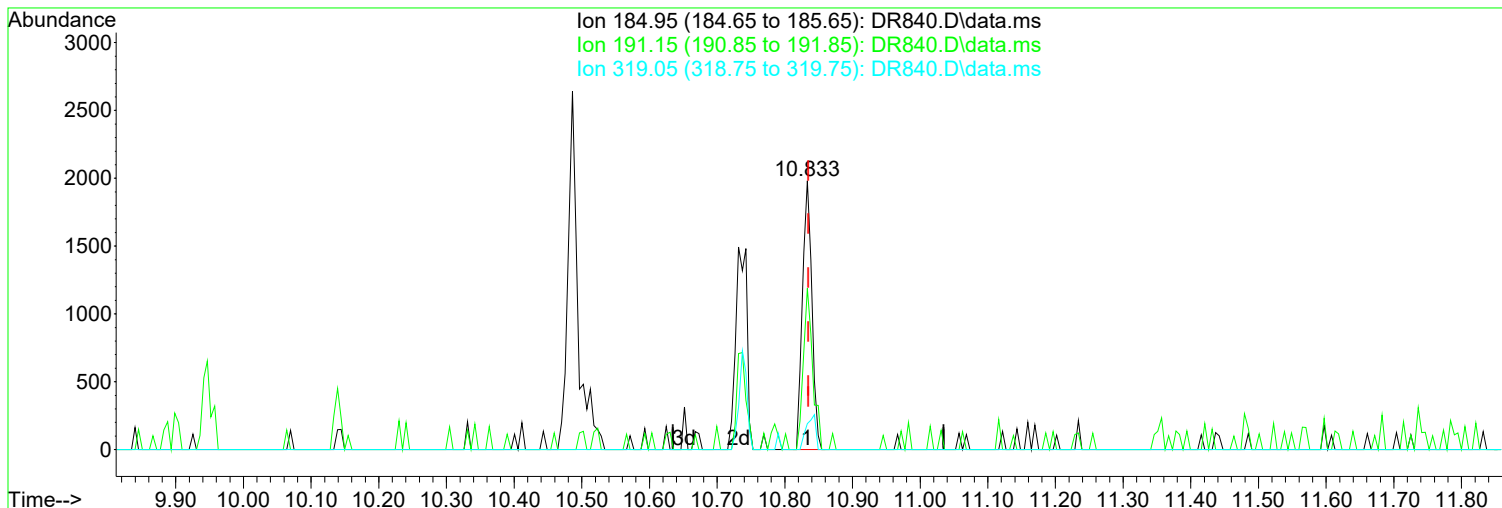
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 1.31 ppm

Before

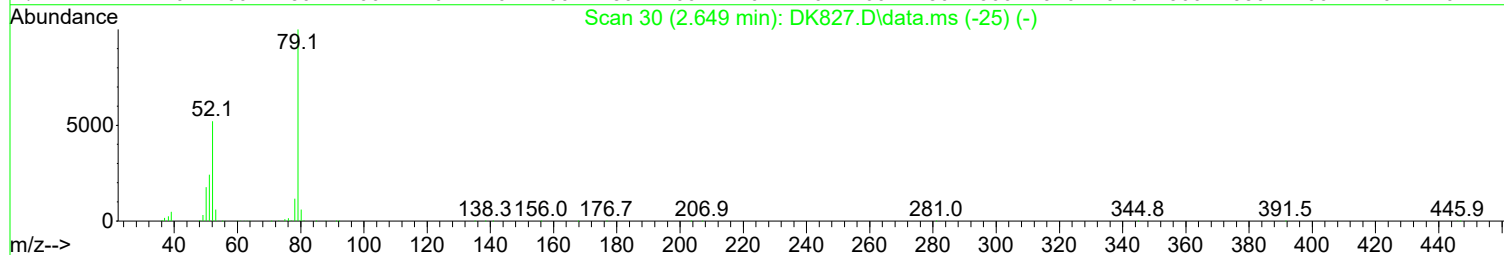
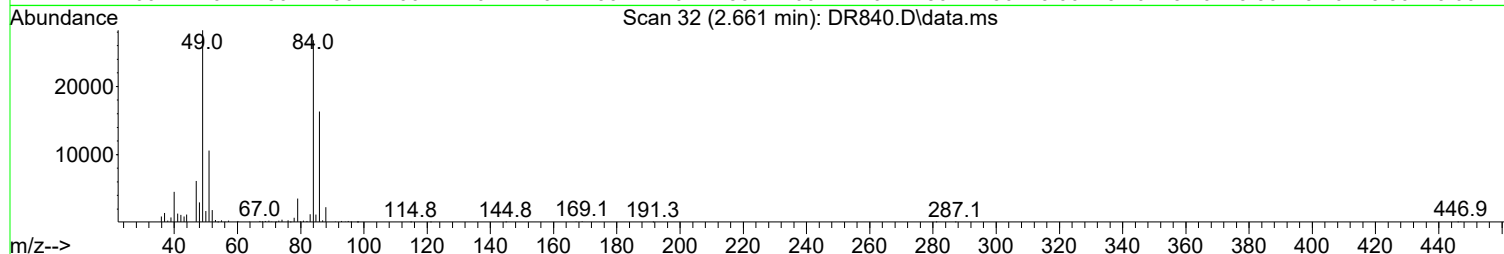
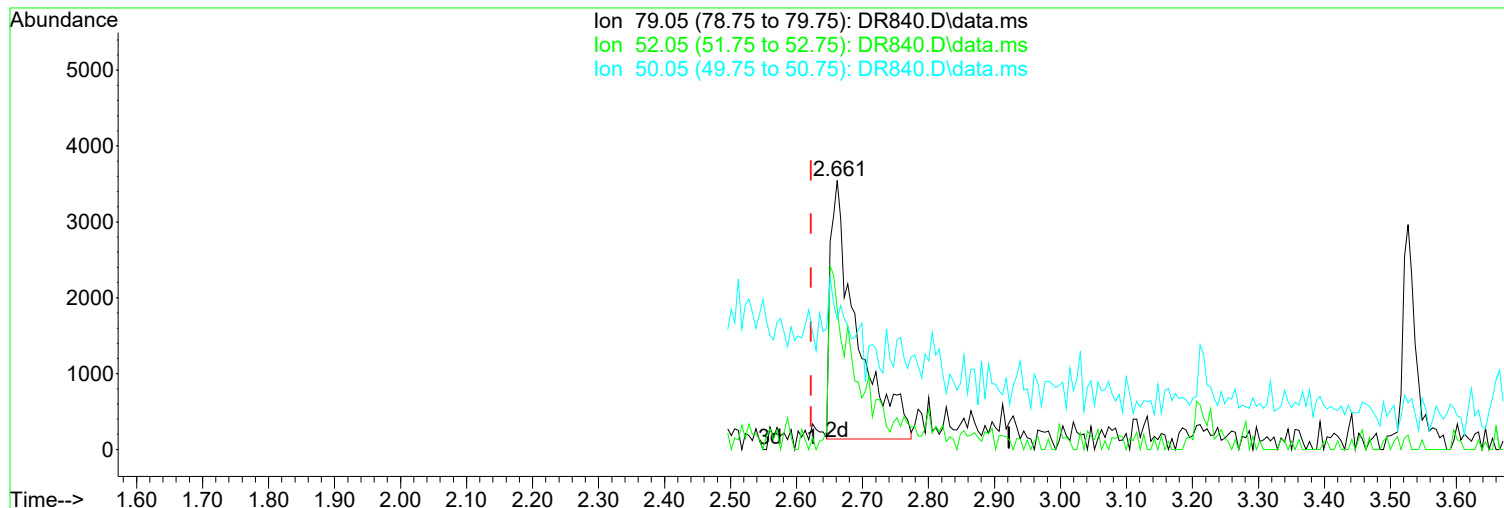
response 1933

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.661min (+ 0.039) 2.18 ppm m

After

response 9421

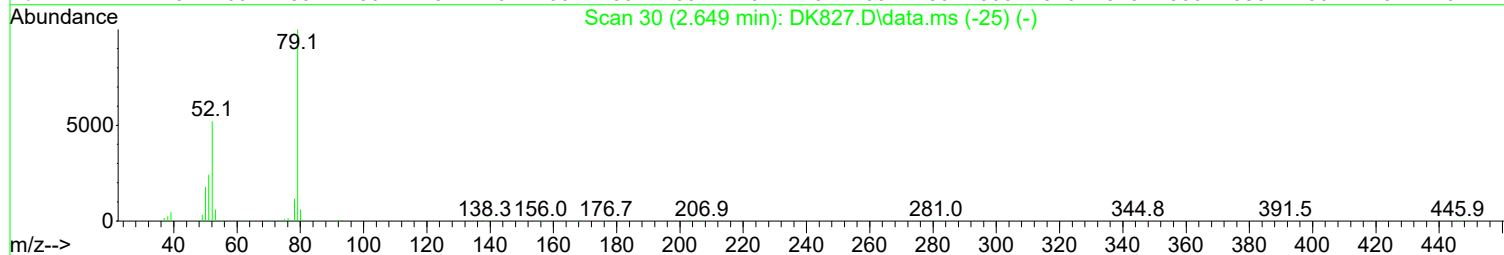
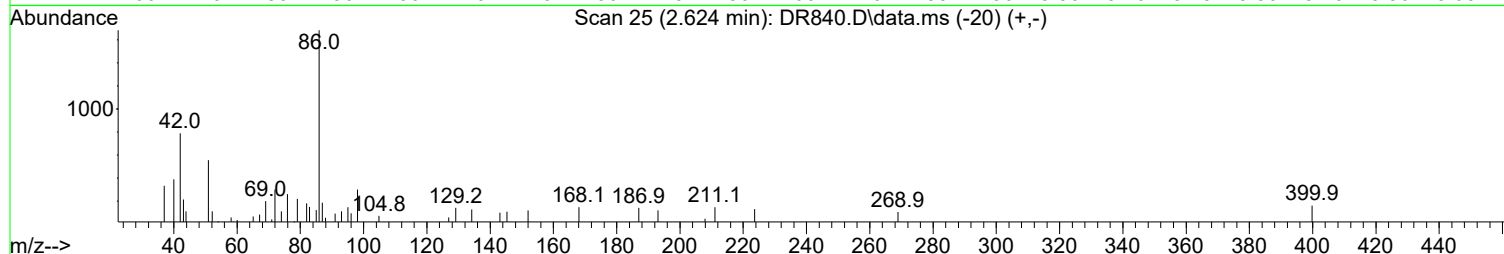
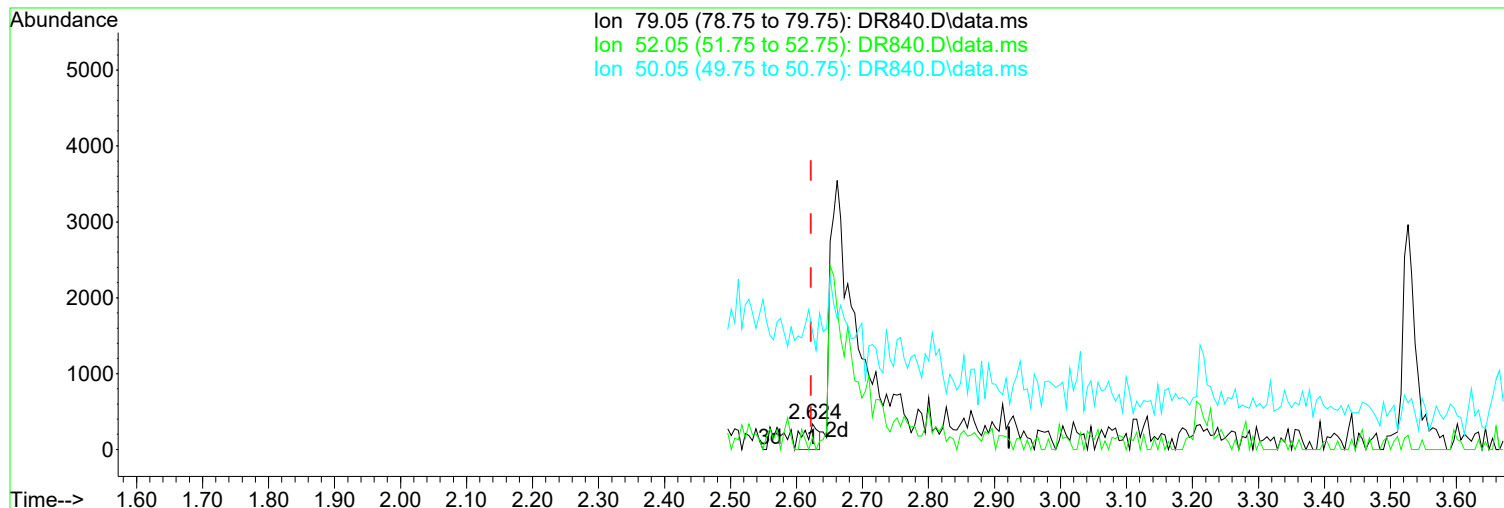
Peak not found.

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	52.24
50.05	24.10	48.63
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(2) Pyridine (TM)

Manual Integration:

2.624min (+ 0.002) 0.12 ppm

Before

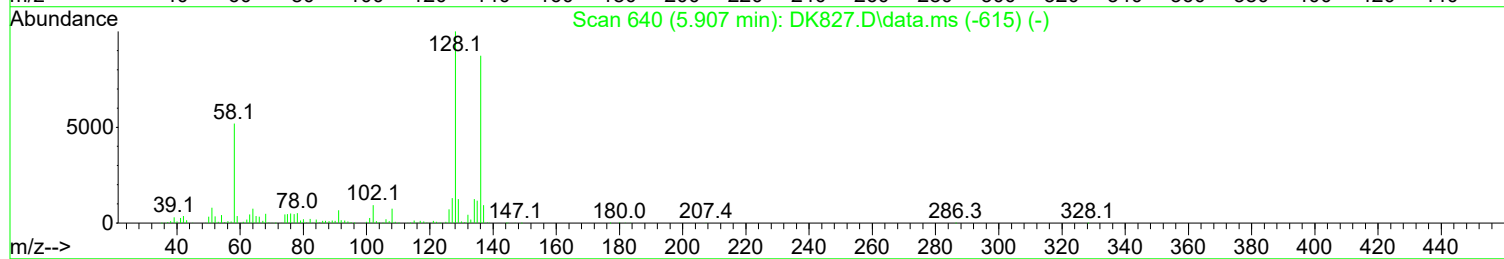
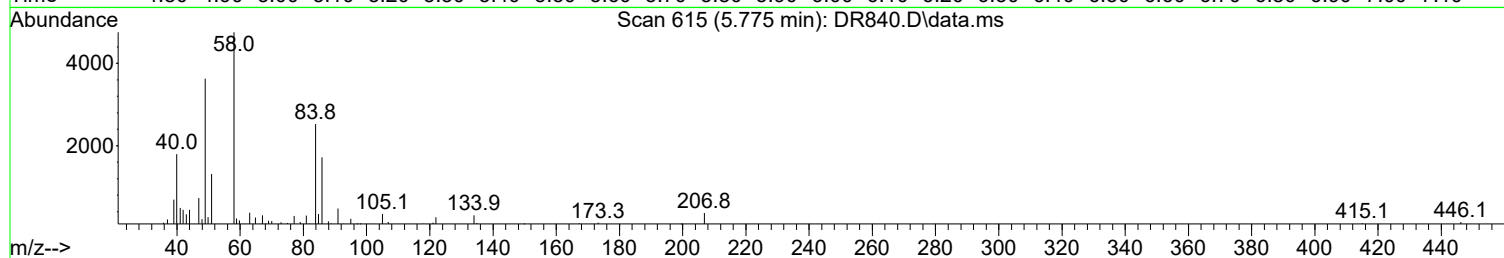
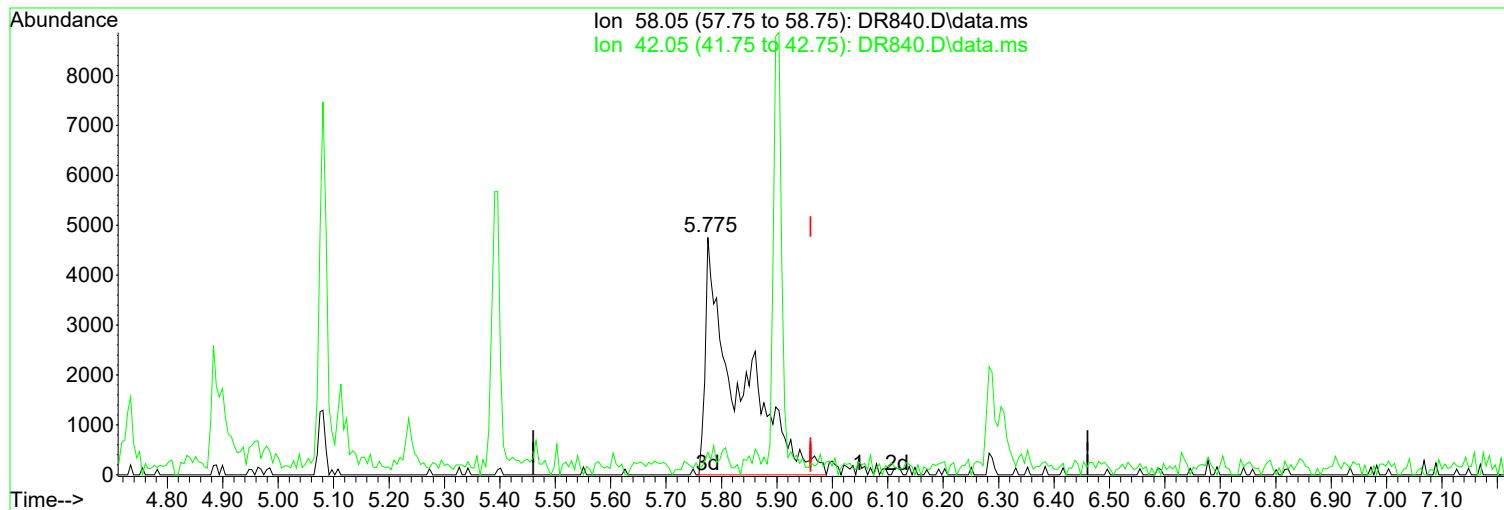
response 520

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	50.11
50.05	24.10	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.775min (-0.186) 2.52 ppm m

After

response 19415

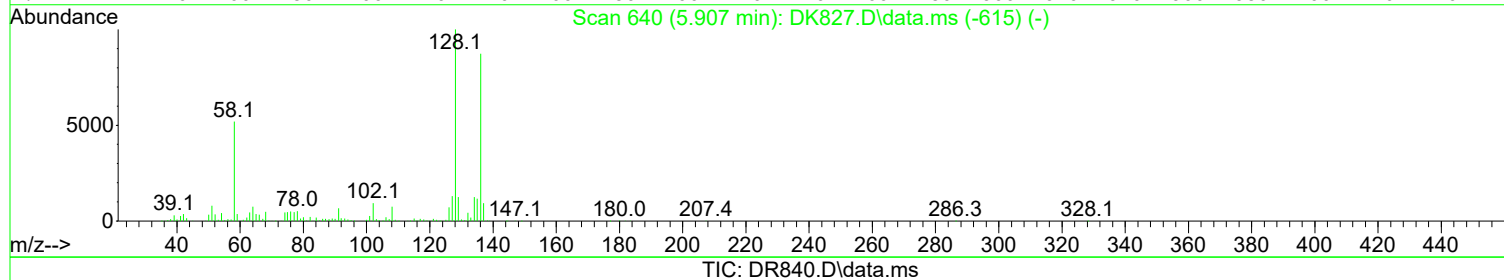
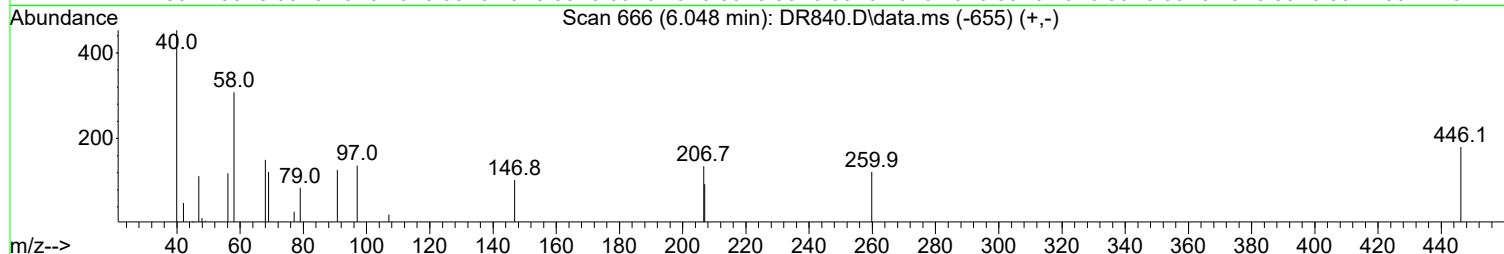
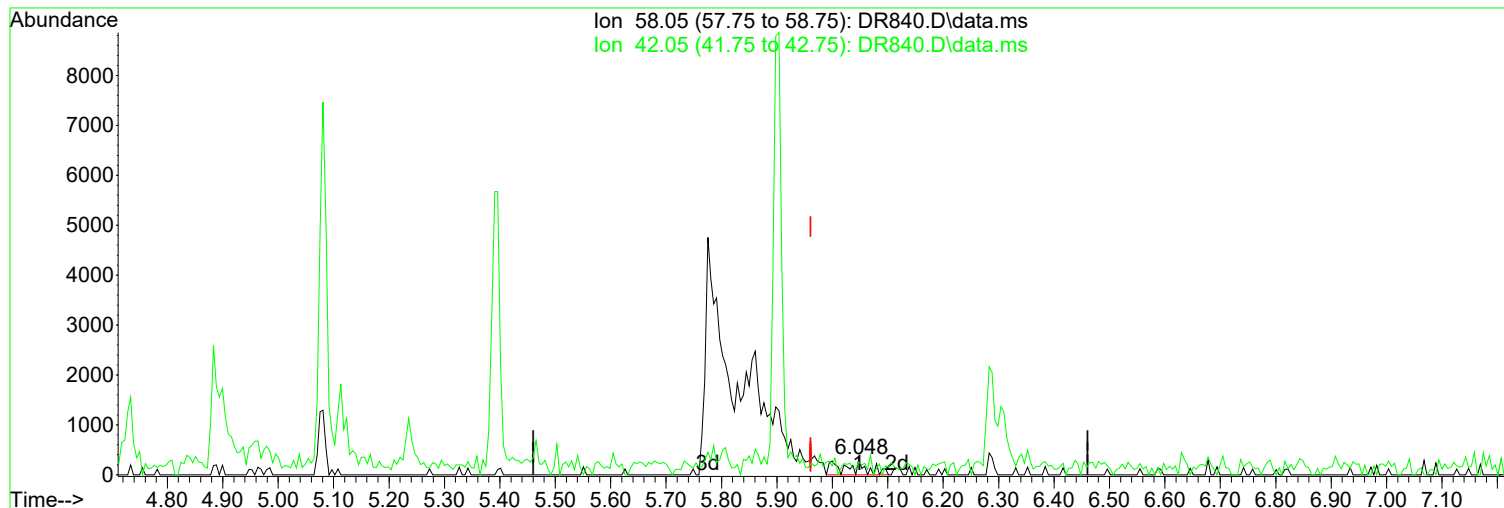
Peak not found.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.048min (+ 0.086) 0.11 ppm

Before

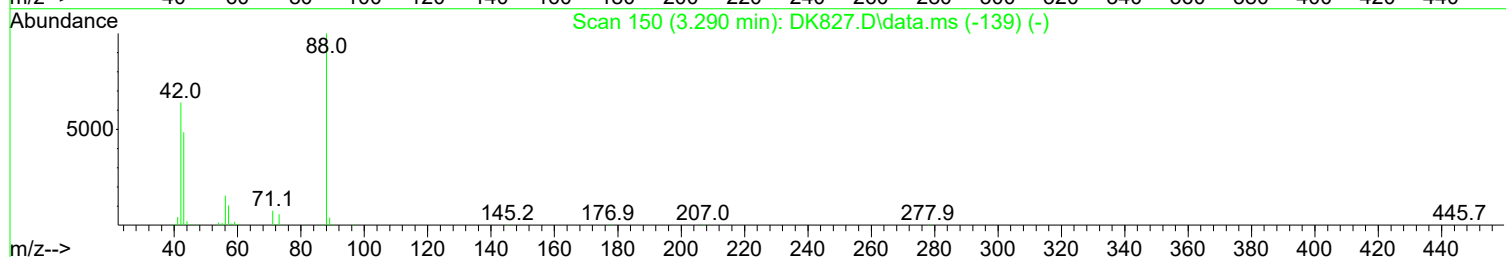
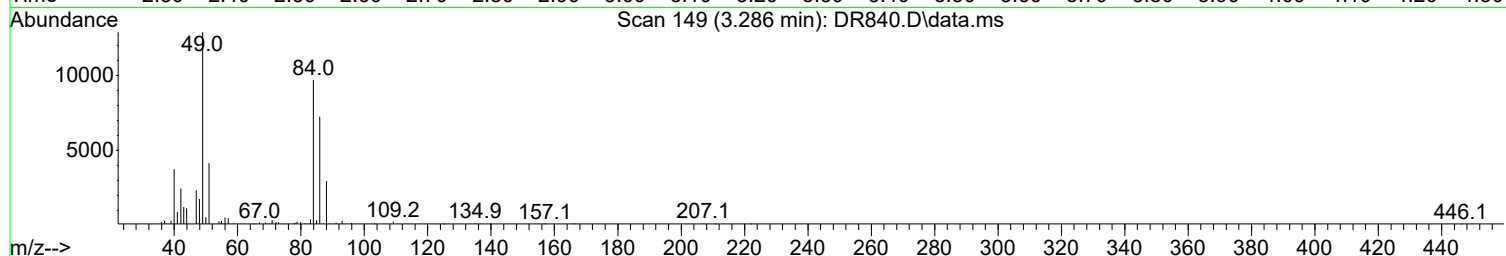
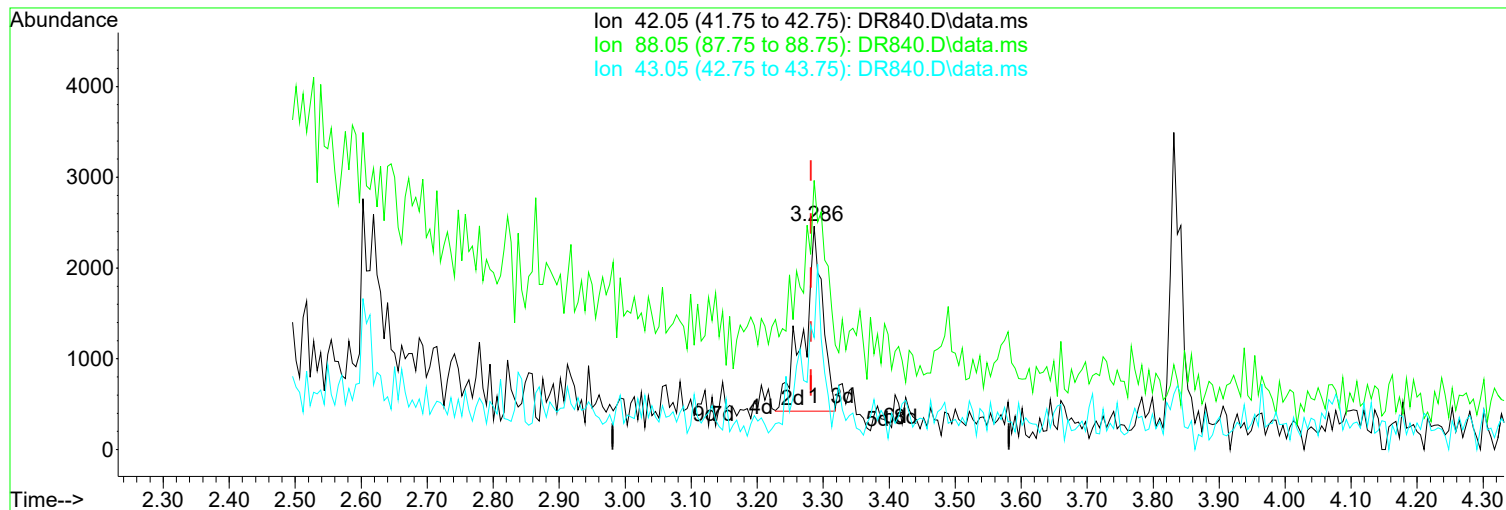
response 880

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	16.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 2.25 ppm m

After

response 4092

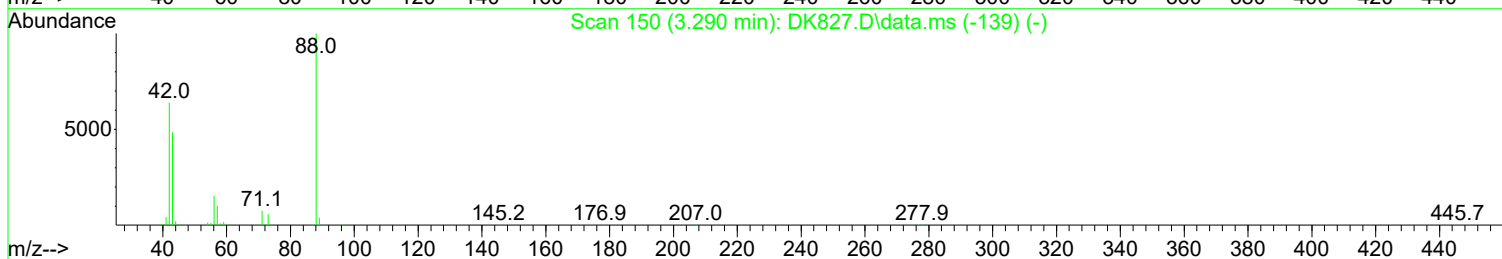
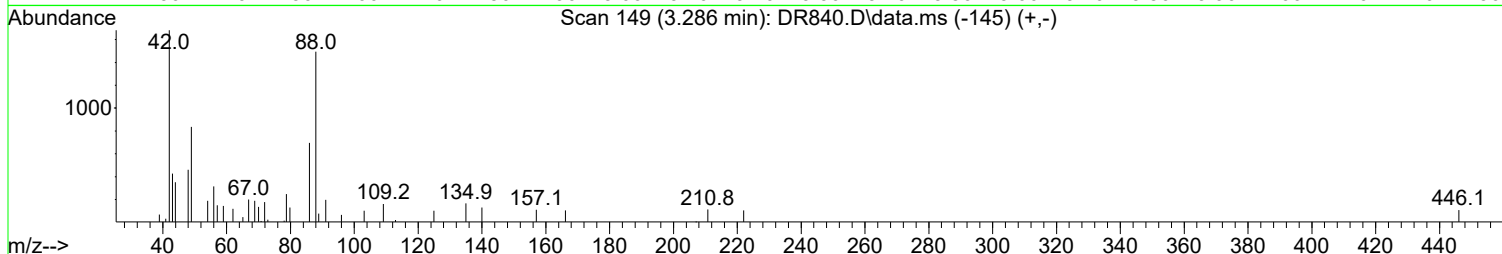
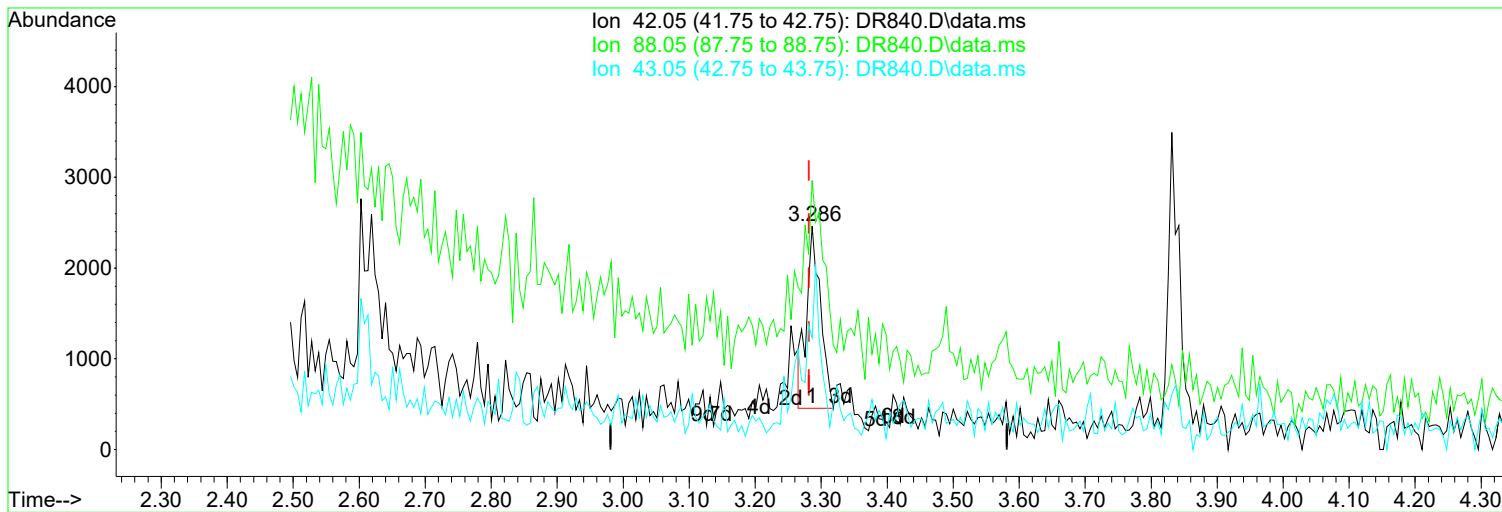
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	120.39
43.05	73.90	50.12
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 1.65 ppm

Before

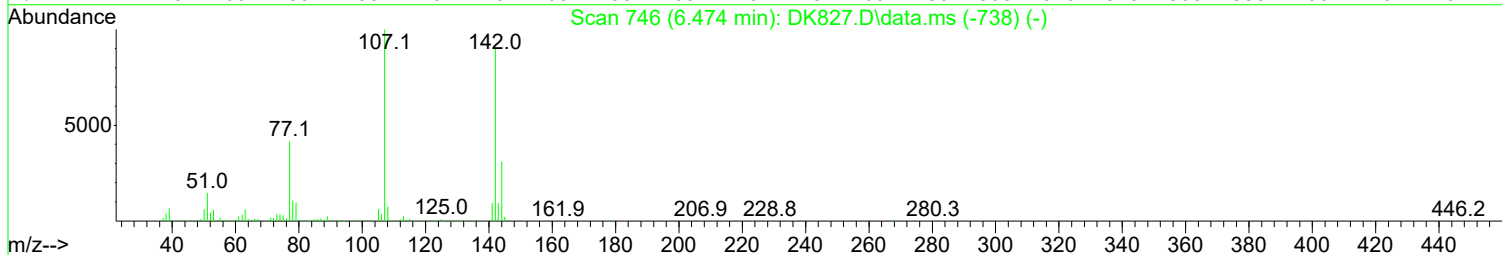
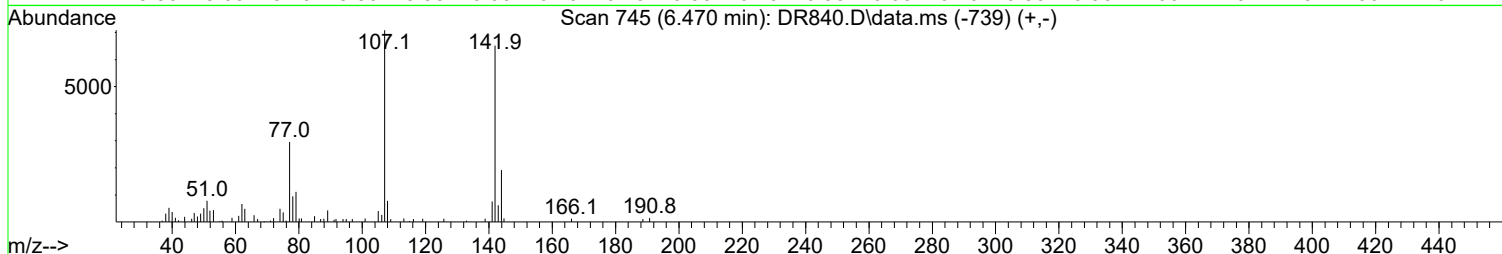
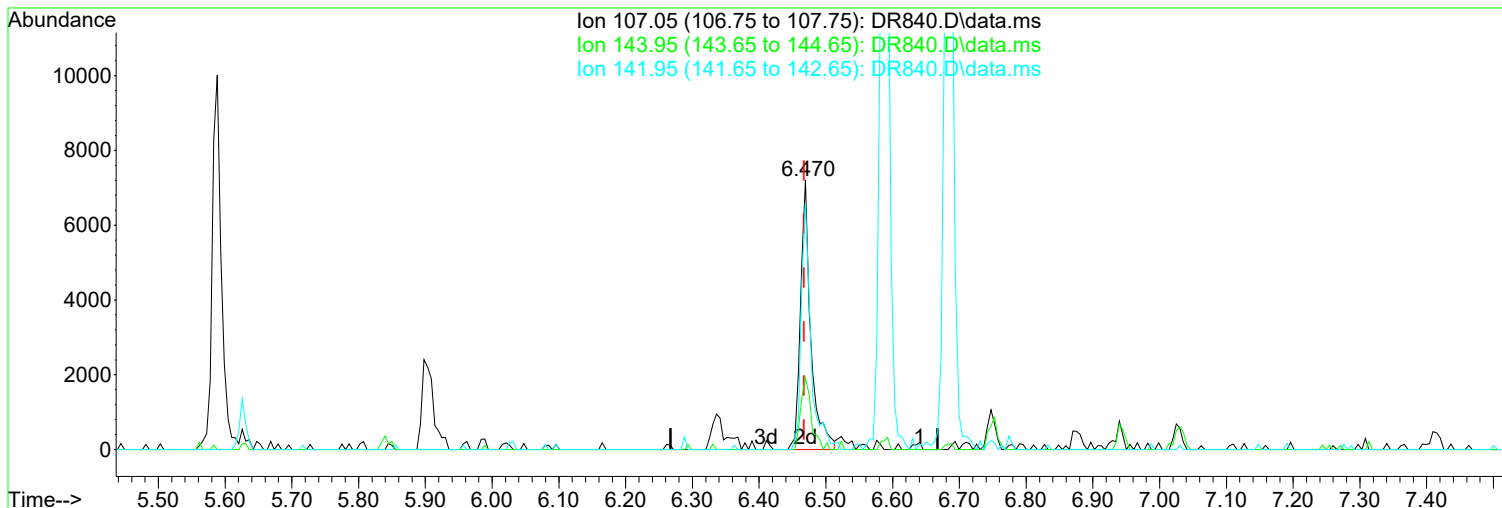
response 2987

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	88.76
43.05	73.90	25.42#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.470min (+ 0.002) 2.52 ppm m

After

response 7676

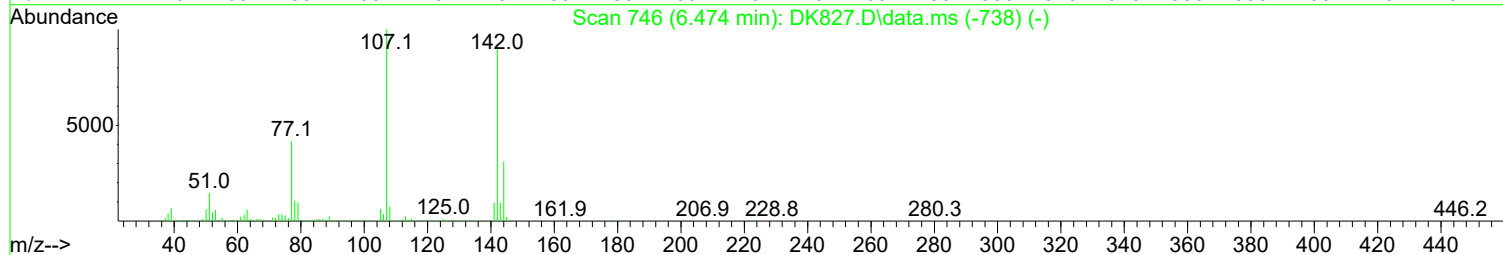
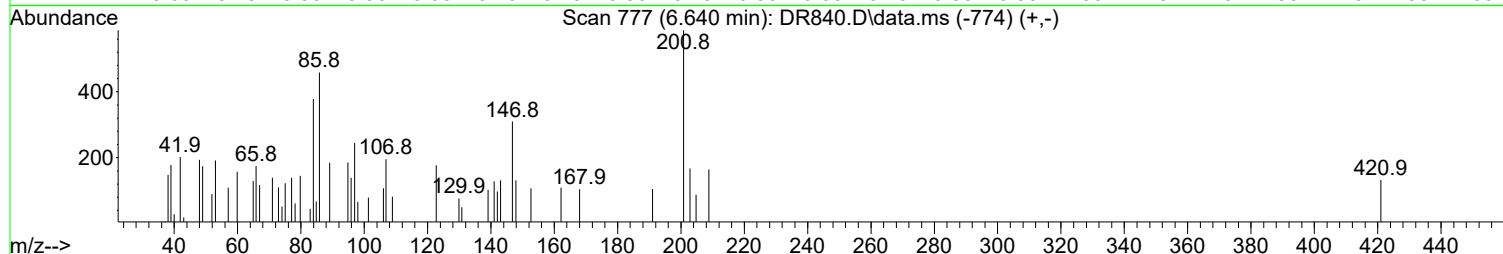
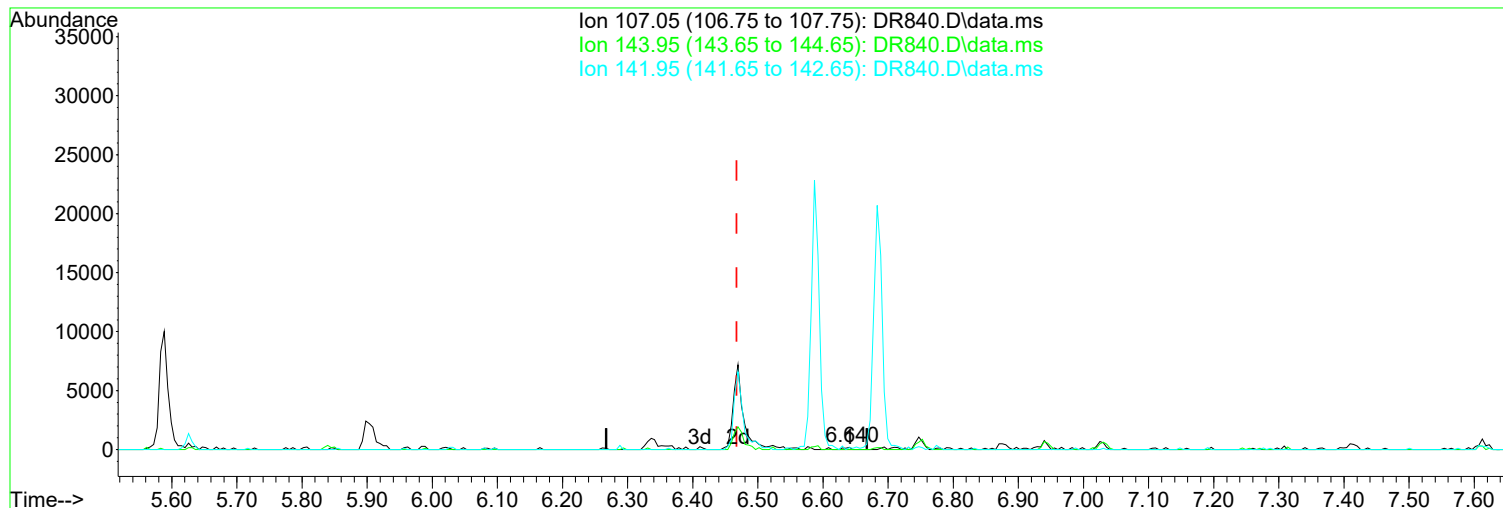
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	26.66
141.95	49.90	91.66#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.640min (+ 0.173) 0.05 ppm

Before

response

141

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	49.74
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	112429	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	406648	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	207367	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	326792	40.00	ppm	0.00
117) d12-Chrysene	12.350	240	293632	40.00	ppm	0.00
135) d12-Perylene	15.288	264	298347	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.665	112	10024	2.45	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	2.45%#
12) SURR2,PHENOL-D6	4.429	99	12557	2.50	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	2.50%#
34) SURR4,NITROBENZENE-D5	5.236	82	11319	2.74	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	5.48%#
63) SURR5,2-FLUOROBIPHENYL	6.940	172	20369	2.58	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	5.16%#
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	2144	2.52	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	2.52%#
124) SURR6,TERPHENYL-D14	10.769	244	17535	2.53	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	5.06%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Pyridine	2.661	79	9421m	2.183	ppm	
3) N-Nitrosodimethylamine	2.603	74	6118m	2.331	ppm	
4) 2-Picoline	3.211	93	11201	2.508	ppm	91
5) N-Nitrosomethylamine	3.286	42	4092m	2.254	ppm	
6) Methyl Methansulfonate	3.527	80	4874	2.396	ppm	99
8) N-Nitrosodiethylamine	3.831	102	4712	2.363	ppm	97
9) Ethyl Mathanesulfonate	4.077	79	9543	2.776	ppm	96
10) Benzaldehyde	4.365	106	15170	5.275	ppm	92
11) Aniline	4.456	93	16451	2.566	ppm	96
13) Phenol	4.440	94	13614	2.478	ppm	97
14) bis(2-Clethyl)Ether	4.493	93	9694	2.550	ppm	94
15) Pentachloroethane	4.493	117	3940	2.574	ppm	78
16) 2-Chlorophenol	4.563	128	10254	2.376	ppm	93
17) 1,3-Diclbzene	4.686	146	10905	2.428	ppm	92
18) 1,4-Dichlorobenzene	4.750	146	11017	2.397	ppm	95
19) 1,2-Diclbzene	4.883	146	11565	2.633	ppm	94
20) Benzyl Alcohol	4.862	79	7264	2.485	ppm	89
21) 1-Methyl-2-pyrrolidinone	4.894	99	6611	2.475	ppm	86
22) 2,2'-oxybis(1-Chloropr...	4.958	45	9537	2.611	ppm	# 68
23) 2-Methylphenol	4.963	108	10147	2.620	ppm	88
24) 3+4-Methylphenol	5.102	108	10837	2.473	ppm	# 79
25) Acetophenone	5.092	105	13719	2.521	ppm	89
26) N-Nitroso-Di-n-propyla...	5.081	70	7938	2.704	ppm	97
27) N-Nitrosopyrrolidine	5.081	100	5416	2.537	ppm	# 64
28) N-Nitrosomorpholine	5.113	56	5704	2.715	ppm	98
29) o-Toluidine	5.124	106	14993	2.481	ppm	87
30) Hexachloroethane	5.182	117	4038	2.282	ppm	90
31) o,o,o-Triethylphosphor...	5.626	198	4544	2.466	ppm	88
32) Alpha-terpinol	5.925	121	3592	2.502	ppm	78
35) Nitrobenzene	5.252	77	11561	2.790	ppm	96
36) N-Nitrosopiperidine	5.396	42	6228	2.765	ppm	95
37) Isophorone	5.465	82	17643	2.554	ppm	96
38) 2-Nitrophenol	5.546	139	5093	2.375	ppm	95

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	9628	2.493	ppm	88
40) bis(-2-Chloroethoxy)Me...	5.663	93	10254	2.524	ppm	94
42) 2,4-Dichlorophenol	5.791	162	7692	2.515	ppm	97
43) a,a-Dimethylphenethyla...	5.775	58	19415m	2.517	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	8449	2.620	ppm	94
45) Naphthalene	5.925	128	29976	2.675	ppm	98
46) 4-Chloroaniline	5.984	127	12563	2.679	ppm	85
47) 2,6-Dichlorophenol	5.989	162	7902	2.470	ppm	94
48) Hexachlorobutadiene	6.021	225	4347	2.660	ppm	89
49) Hexachloropropene	6.000	213	5301	2.596	ppm	82
50) 4-Chloro-3-methylphenol	6.470	107	7676m	2.517	ppm	
51) N-N-di-n-butylamine	6.283	84	6465	2.668	ppm	97
52) Caprolactam	6.304	113	3082	2.542	ppm	88
53) p-Phenylenediamine	6.331	80	1861	2.324	ppm	# 58
54) Safrole	6.496	162	7218	2.509	ppm	96
55) 2-Methylnaphthalene	6.587	142	19836	2.735	ppm	97
56) 1-Methylnaphthalene	6.683	142	18975	2.796	ppm	95
58) Hexachlorocyclopentadiene	6.731	237	1472	2.268	ppm	75
59) 1,2,4,5-Tetrachloroben...	6.747	216	7691	2.520	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.030	216	8340	2.595	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	4457	2.306	ppm	94
62) 2,4,5-Trichlorophenol	6.934	196	5123	2.464	ppm	95
64) Isosafrole	7.004	104	3124	2.342	ppm	83
65) 1,1'-Biphenyl	7.041	154	24320	2.647	ppm	94
66) 2-Chloronaphthalene	7.068	162	17451	2.628	ppm	97
67) 2-Nitroaniline	7.180	65	4975	2.621	ppm	# 78
68) 1,4-Naphthoquinone	7.255	158	4619	2.216	ppm	91
69) m-Dinitrobenzene	7.399	168	3443	2.639	ppm	94
70) Acenaphthylene	7.474	152	27483	2.584	ppm	95
71) Dimethyl phthalate	7.340	163	22107	2.848	ppm	95
72) 2,6-Dinitrotoluene	7.415	165	4427	2.512	ppm	91
73) Acenaphthene	7.645	153	19297	2.608	ppm	95
74) 3-Nitroaniline	7.591	138	5046	2.491	ppm	87
76) Dibenzofuran	7.815	168	23268	2.547	ppm	87
77) 2,4-Dinitrotoluene	7.815	165	5639	2.423	ppm	95
79) Pentachlorobenzene	7.767	250	6343	2.593	ppm	96
80) 1-Napthylamine	7.901	143	12646	2.629	ppm	91
81) 2-Napthylamine	7.981	143	16172	2.638	ppm	95
82) 2,3,4,6-Tetrachlorophenol	7.954	232	3035	2.136	ppm	69
83) Fluorene	8.152	166	20028	2.666	ppm	94
84) 4-Chlorophenyl-phenyle...	8.147	204	8043	2.654	ppm	96
85) Diethylphthalate	8.029	149	20563	2.675	ppm	94
86) 4-Nitroaniline	8.200	138	4766	2.385	ppm	85
87) 5-Nitro-o-toluidine	8.179	152	5588	2.463	ppm	79
89) Sulfotepp	8.414	322	2661	2.773	ppm	89
90) Octachlorocyclopentene	8.392	307	2207	2.260	ppm	# 72
92) Thionazin	8.109	107	3108	2.424	ppm	99
93) 4,6-Dinitro-2-methylph...	8.216	198	1915	1.520	ppm	# 60
94) Diphenylamine	8.269	169	30114	5.215	ppm	96
95) 1,2 Diphenylhydrazine	8.302	77	19640	2.695	ppm	90
96) N-Nitrosodiphenylamine	8.269	169	30114	5.215	ppm	96
97) 1,3,5-Trinitrobenzene	8.590	74	2065	1.981	ppm	# 73
98) Diallate	8.542	86	8796	2.986	ppm	98
99) Phorate	8.553	121	3742	2.476	ppm	88
100) Phenacetin	8.585	108	9575	2.514	ppm	97
101) 4-Bromophenyl-phenylether	8.633	248	4284	2.507	ppm	# 80

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

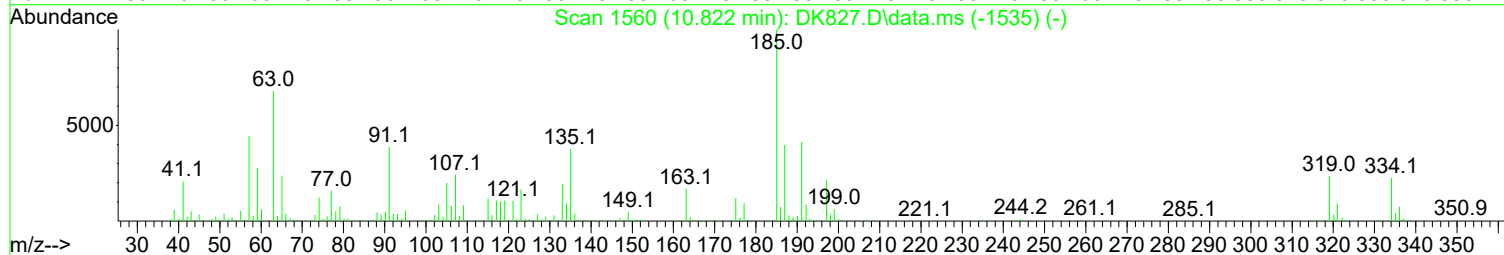
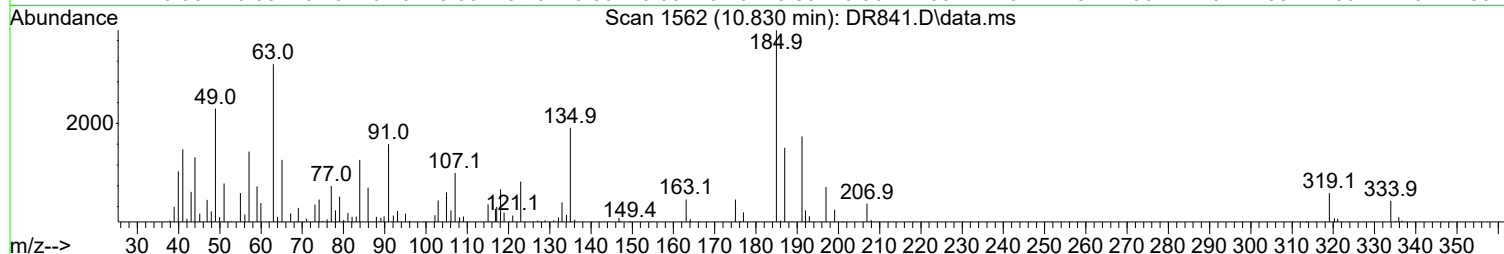
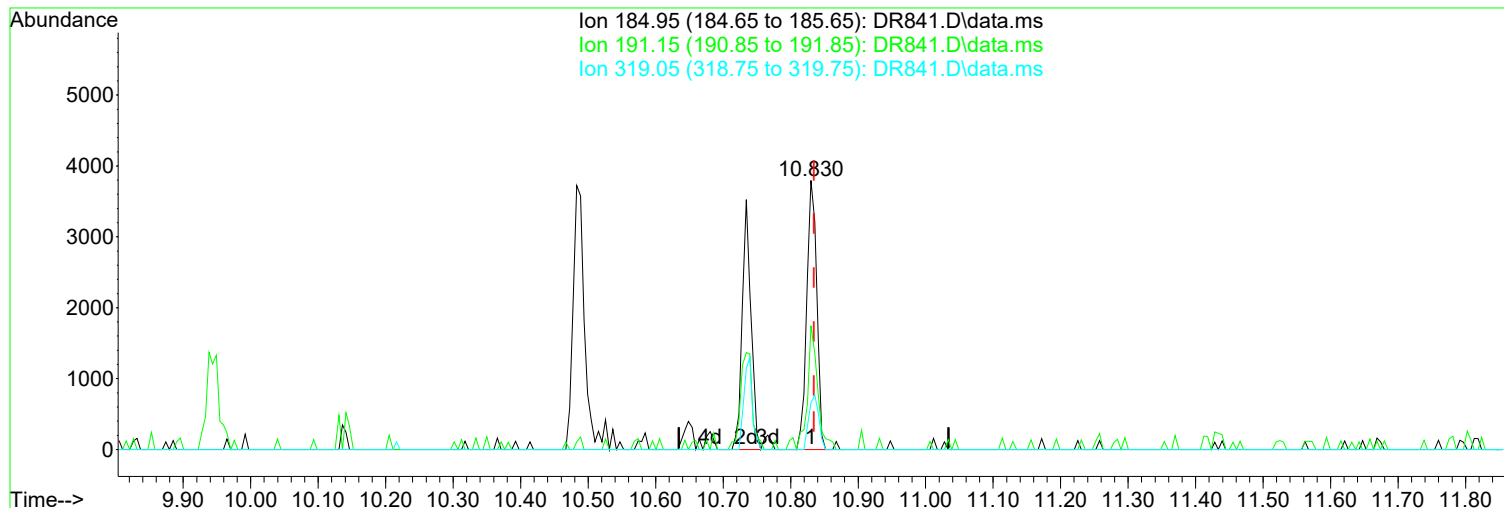
Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) Hexachlorobenzene	8.691	284	5336	2.777	ppm	93
103) Dimethoate	8.734	87	6013	2.408	ppm	92
104) Atrazine	8.798	215	2478	2.652	ppm	89
105) Pentachlorophenol	8.910	266	549	4.035	ppm	88
106) 4-Aminobiphenyl	8.900	169	13920	2.372	ppm	95
107) Pentachloronitrobenzene	8.900	237	1649	2.323	ppm	86
108) Pronamide	8.948	173	7920	2.370	ppm	97
109) Dinoseb	9.071	211	2119	1.278	ppm	# 69
110) Disulfoton	9.071	88	13037	3.442	ppm	89
111) Phenanthrene	9.108	178	27356	2.647	ppm	95
112) Anthracene	9.156	178	26345	2.566	ppm	96
113) Carbazole	9.327	167	24783	2.457	ppm	95
114) Di-n-butylphthalate	9.647	149	31636	2.427	ppm	96
116) Fluoranthene	10.320	202	26070	2.464	ppm	96
118) Methyl Parathion	9.450	109	6006	2.580	ppm	85
119) Ethyl Parathion	9.829	97	4444	2.555	ppm	96
120) Methapyrilene	9.941	58	6664	2.634	ppm	91
121) Isodrin	10.139	193	2668	2.485	ppm	93
122) Benzidine	10.486	184	16409	2.382	ppm	90
123) Pyrene	10.588	202	25727	2.386	ppm	98
125) Aramite	10.833	185	3704m	2.507	ppm	
126) p-(Dimethylamino)azobe...	10.951	120	7604	2.374	ppm	97
127) Chlorobenzilate	11.004	139	9073	2.425	ppm	89
128) Butyl benzyl phthalate	11.437	149	15735	2.631	ppm	86
129) 3,3-Dimethylbenzidine	11.431	212	14983	2.285	ppm	99
130) 2-Acetylaminofluorene	11.827	181	11146	2.333	ppm	94
131) 3,3'-Dichlorobenzidine	12.313	252	9753	2.497	ppm	92
132) Benzo(a)anthracene	12.329	228	26022	2.610	ppm	93
133) Chrysene	12.393	228	24184	2.637	ppm	95
134) bis(2-Ethylhexyl)phtha...	12.403	149	20931	2.543	ppm	85
136) Di-n-octyl phthalate	13.723	149	35565	2.512	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.433	256	10405	2.307	ppm	81
138) Benzo(b)Fluoranthene	14.454	252	26212	2.640	ppm	96
139) Benzo(k)fluoranthene	14.513	252	24151	2.568	ppm	97
140) Benzo(a)pyrene	15.154	252	20847	2.442	ppm	97
141) 3-Methylcholanthrene	15.939	268	12482	2.496	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.248	276	20220	2.415	ppm	94
143) Dibenz(a,h)anthracene	17.296	278	22715	2.589	ppm	96
144) Benzo(g,h,i)perylene	17.712	276	19696	2.729	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 4.90 ppm m

After

response 7296

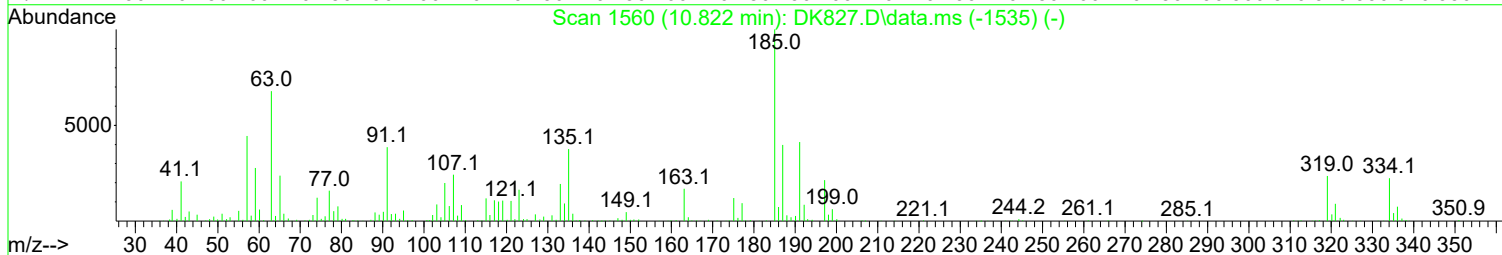
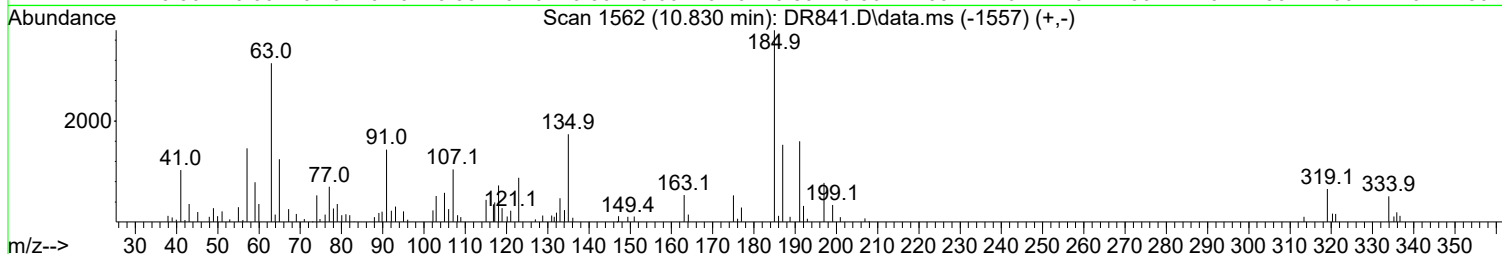
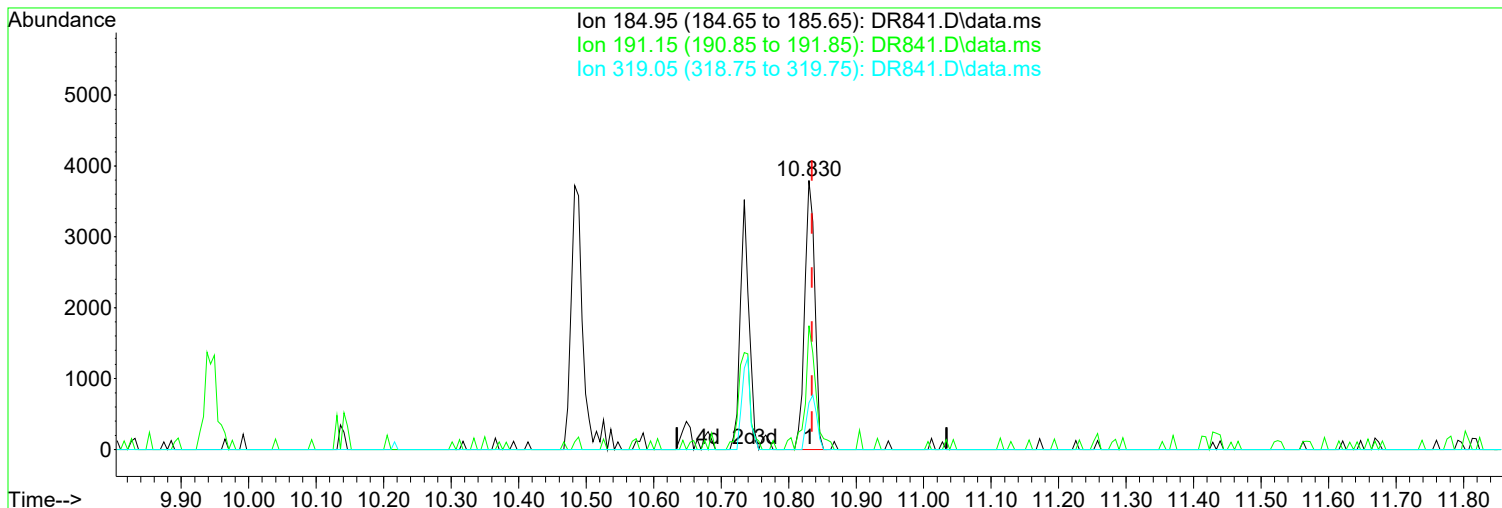
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	46.06
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
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Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 2.63 ppm

Before

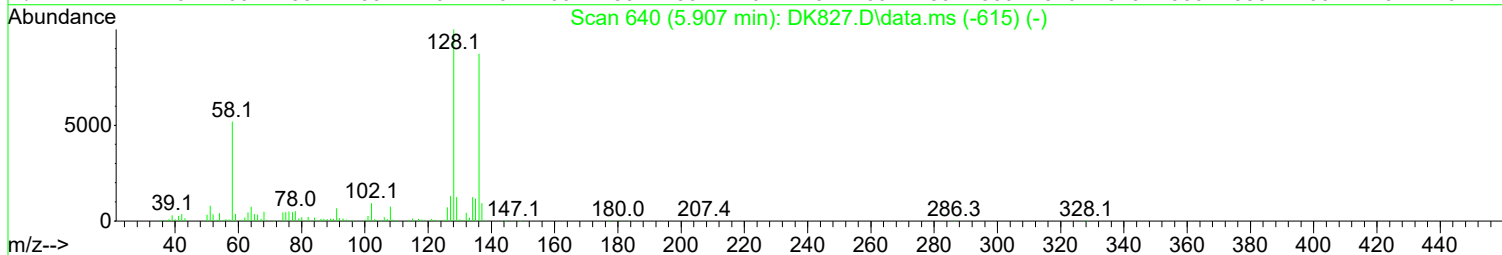
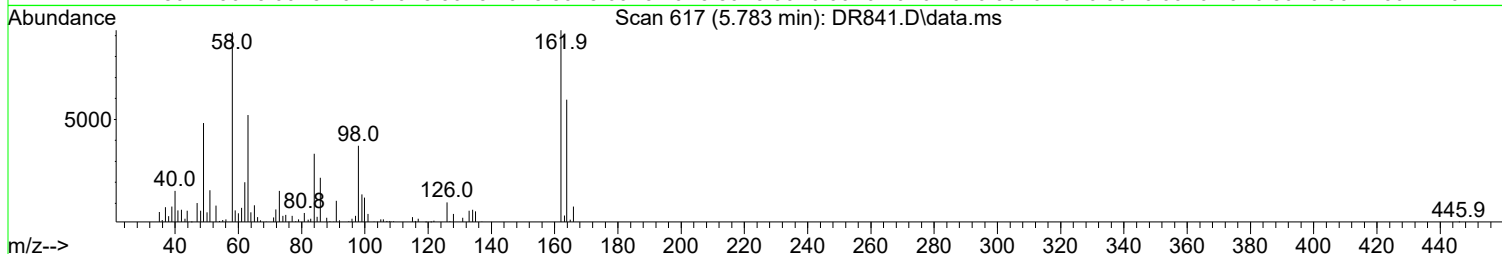
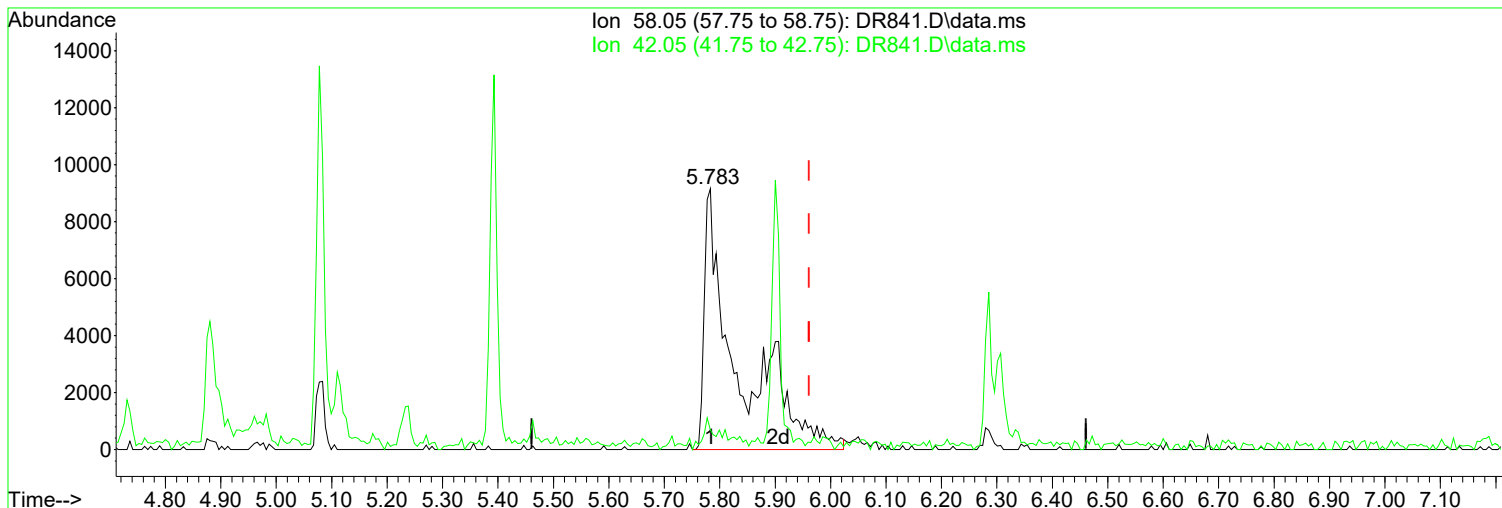
response 3923

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.11
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 4.87 ppm m

After

response 37152

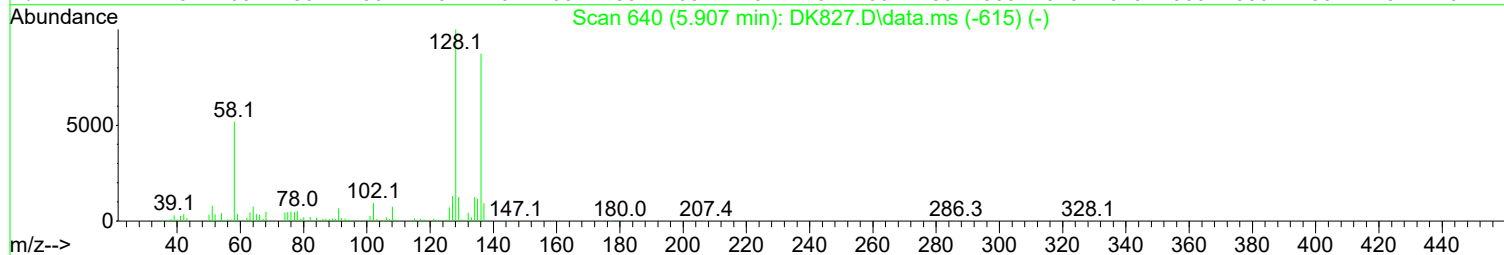
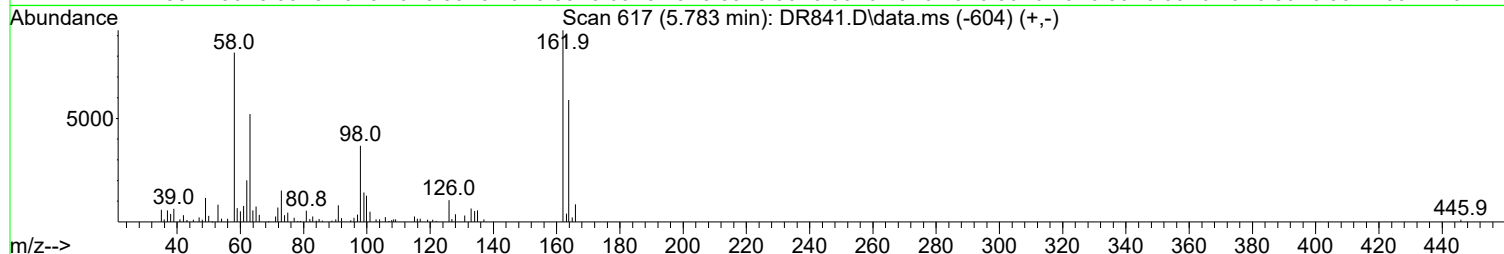
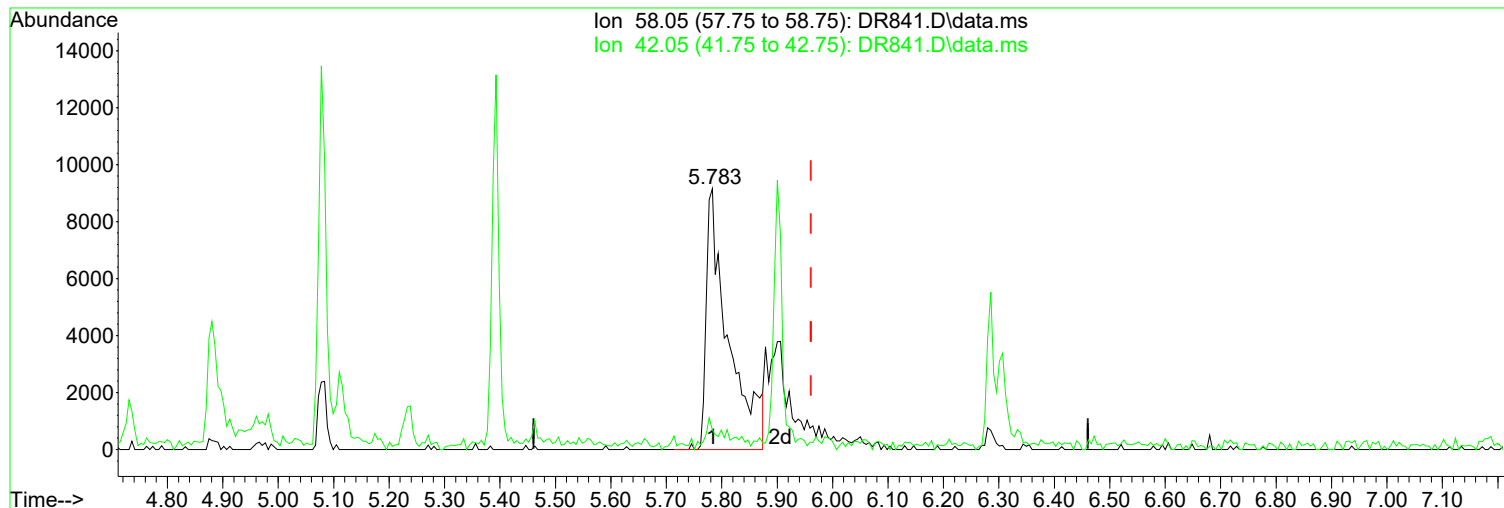
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.51
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 3.27 ppm

Before

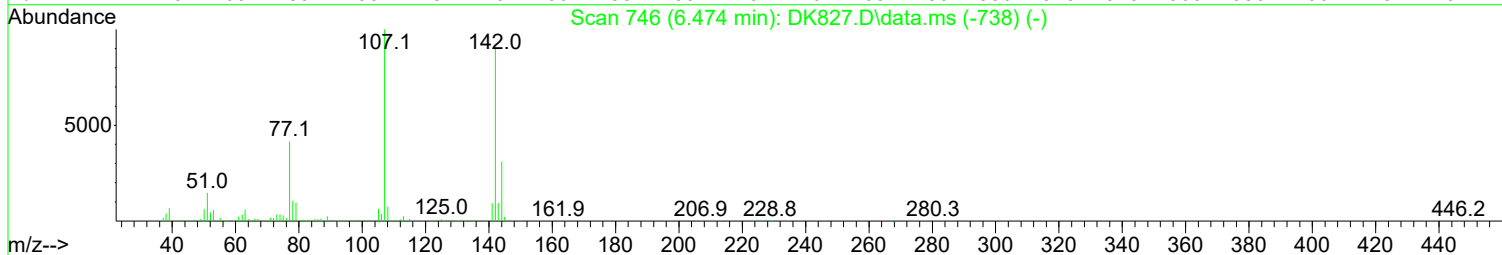
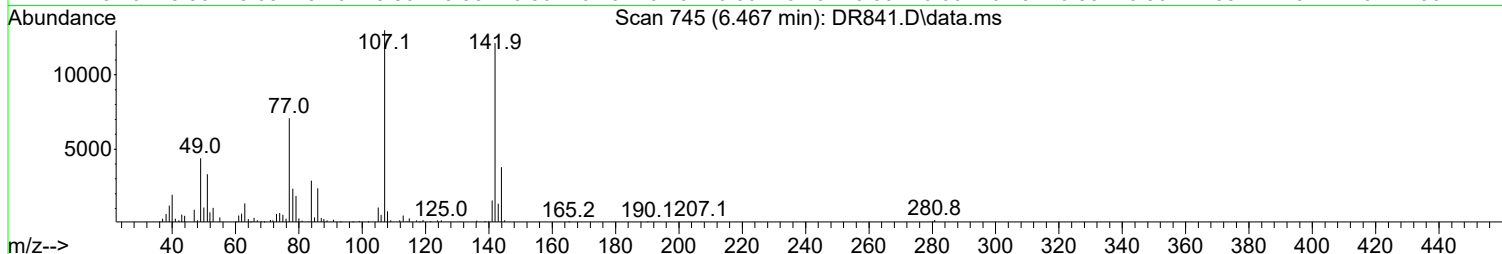
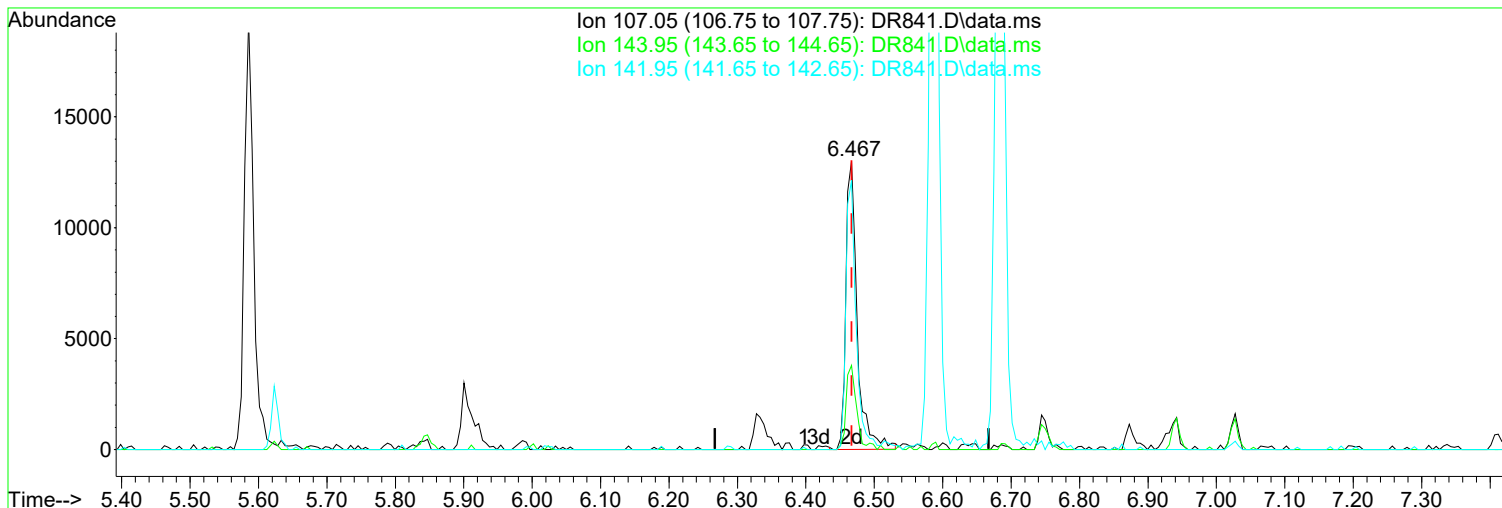
response 24966

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	4.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.467min (-0.001) 4.96 ppm m

After

response 14966

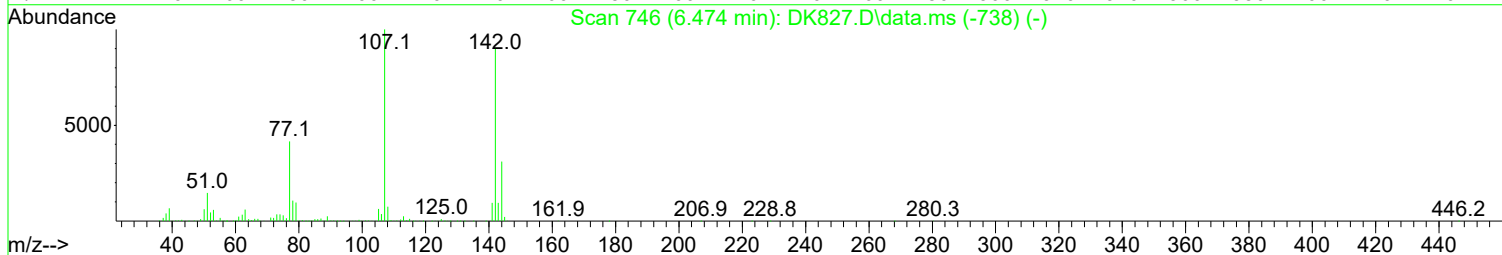
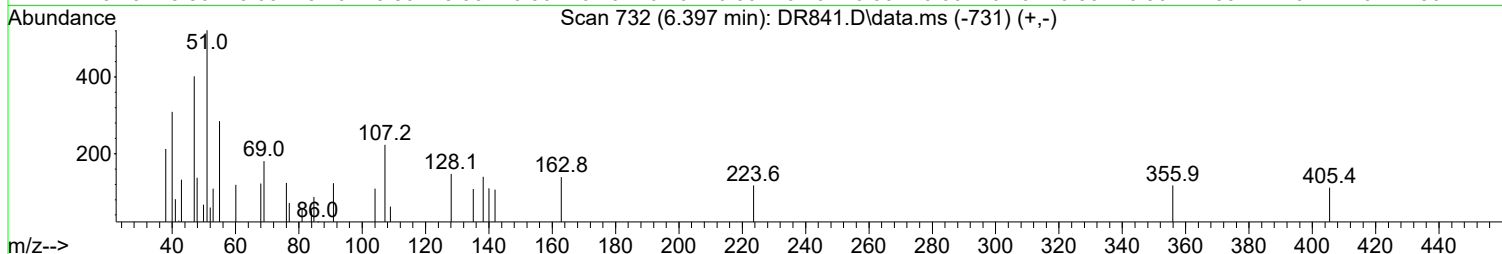
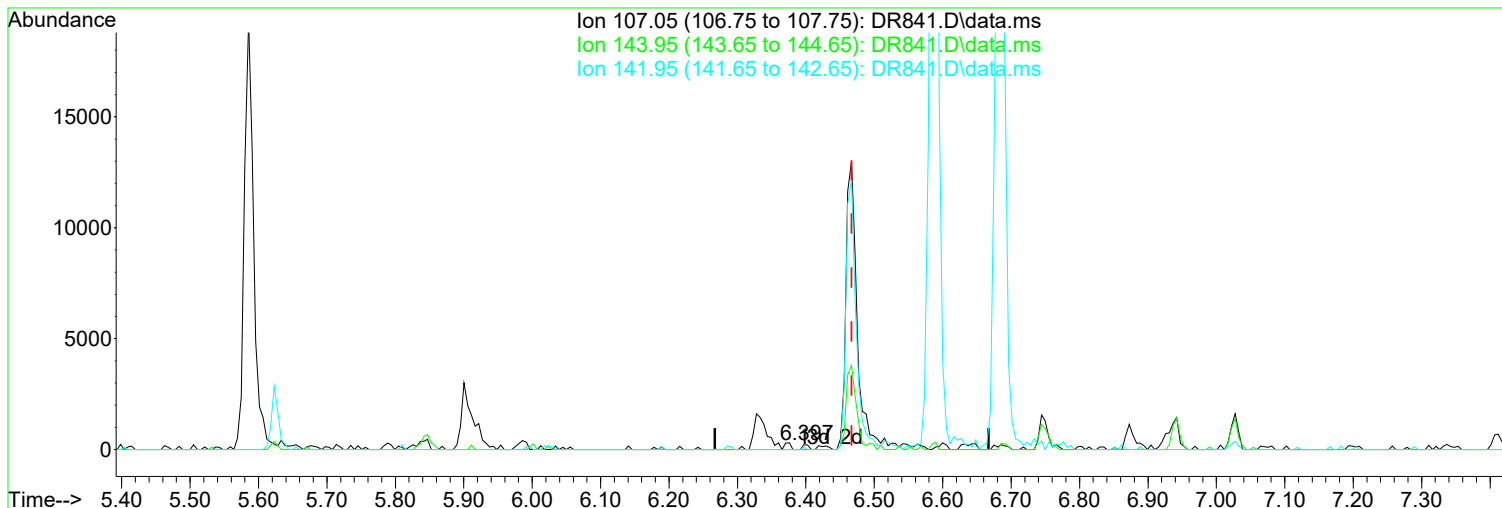
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	29.18
141.95	49.90	93.32#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.397min (-0.070) 0.04 ppm

Before

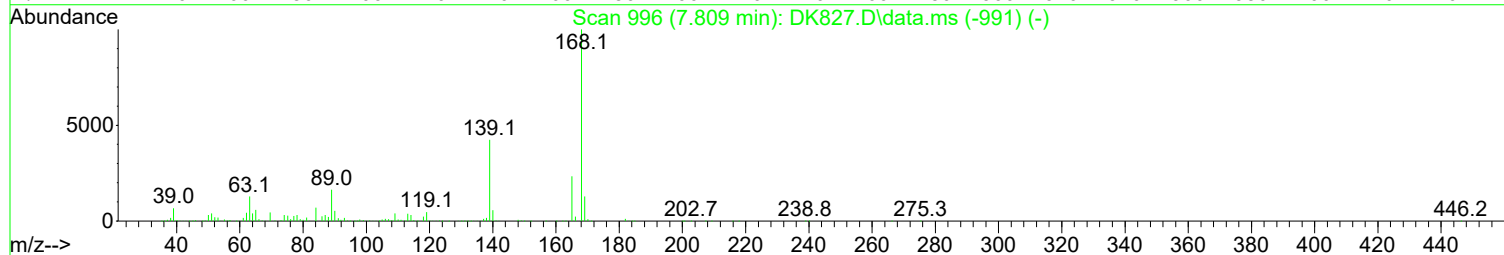
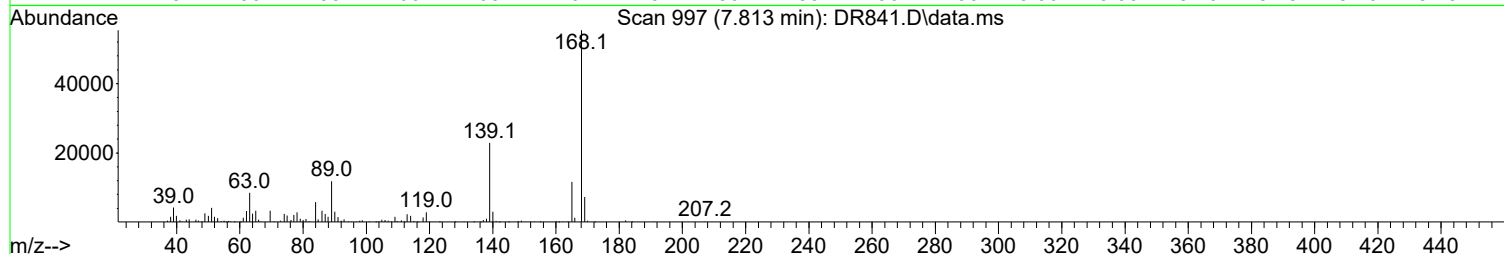
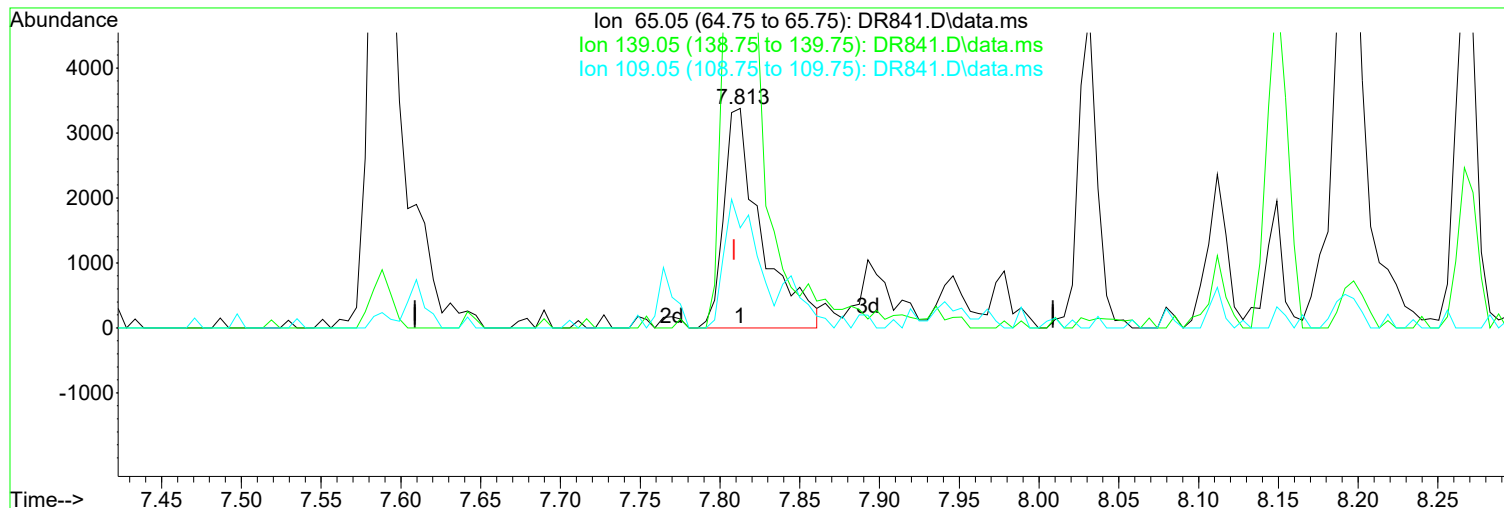
response 135

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	47.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(78) 4-Nitrophenol (TMP)

7.813min (+ 0.004) 4.17 ppm m

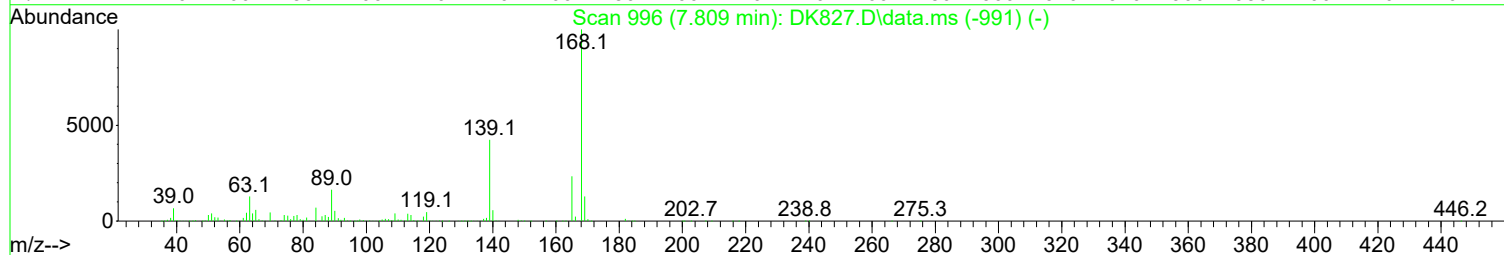
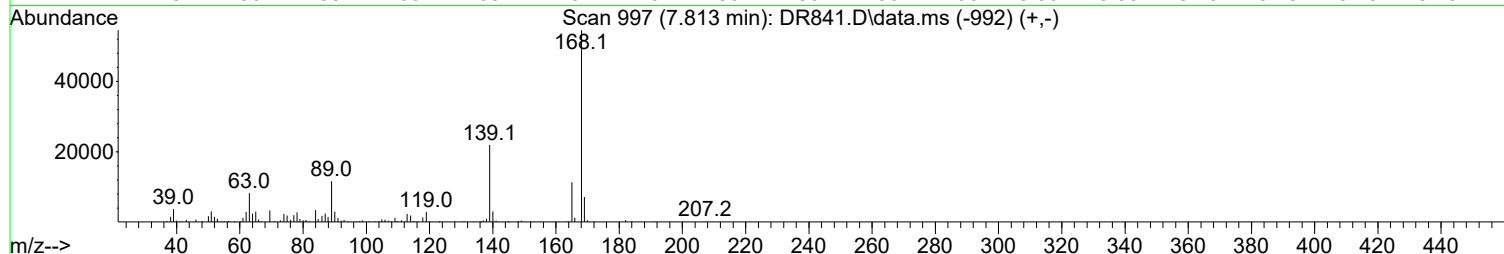
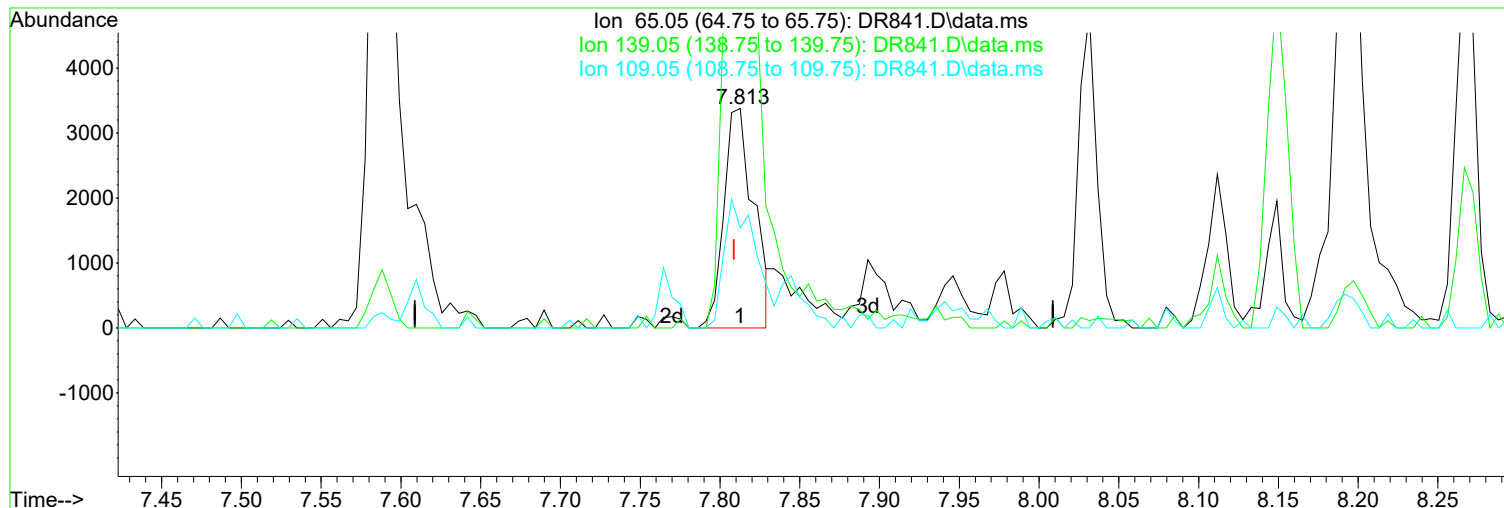
response 5503

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	677.25#
109.05	68.90	45.65
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 3.31 ppm

Before

response 4368

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	750.52#
109.05	68.90	54.48
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR841.D
 Acq On : 30 Apr 2019 10:38 am
 Operator : JMisiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	107680	40.00	ppm	0.00	
33) d8-Naphthalene	5.901	136	402250	40.00	ppm	0.00	
57) d10-Acenaphthene	7.610	164	202008	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	315533	40.00	ppm	0.00	
117) d12-Chrysene	12.352	240	296135	40.00	ppm	0.00	
135) d12-Perylene	15.290	264	302163	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.663	112	19693	5.03	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	5.03%#	
12) SURR2,PHENOL-D6	4.426	99	23783	4.94	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	4.94%#	
34) SURR4,NITROBENZENE-D5	5.233	82	20943	5.13	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	10.26%#	
63) SURR5,2-FLUOROBIPHENYL	6.942	172	40231	5.24	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	10.48%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	3916	4.73	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	4.73%#	
124) SURR6,TERPHENYL-D14	10.766	244	34360	4.93	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	9.86%#	
Target Compounds							
							Qvalue
2) Pyridine	2.637	79	21419	5.182	ppm		94
3) N-Nitrosodimethylamine	2.600	74	10813	4.301	ppm		87
4) 2-Picoline	3.209	93	21435	5.012	ppm		95
5) N-Nitrosomethylamine	3.283	42	8303	4.776	ppm	#	73
6) Methyl Methansulfonate	3.524	80	9939	5.102	ppm		86
8) N-Nitrosodiethylamine	3.833	102	8958	4.691	ppm		90
9) Ethyl Mathanesulfonate	4.074	79	15868	4.820	ppm		87
10) Benzaldehyde	4.362	106	28046	10.182	ppm		100
11) Aniline	4.453	93	30721	5.003	ppm		98
13) Phenol	4.437	94	26166	4.972	ppm		94
14) bis(2-Clethyl)Ether	4.496	93	17614	4.837	ppm		91
15) Pentachloroethane	4.490	117	7298	4.978	ppm		95
16) 2-Chlorophenol	4.560	128	19686	4.762	ppm		94
17) 1,3-Diclbzene	4.683	146	22167	5.153	ppm		97
18) 1,4-Dichlorobenzene	4.747	146	22452	5.100	ppm		96
19) 1,2-Diclbzene	4.880	146	21300	5.064	ppm		96
20) Benzyl Alcohol	4.859	79	12859	4.593	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.880	99	12499	4.885	ppm		97
22) 2,2'-oxybis(1-Chloropr...	4.960	45	19339	5.527	ppm	#	63
23) 2-Methylphenol	4.960	108	18359	4.950	ppm		94
24) 3+4-Methylphenol	5.105	108	20094	4.788	ppm		99
25) Acetophenone	5.089	105	27640	5.303	ppm		98
26) N-Nitroso-Di-n-propyla...	5.078	70	13705	4.875	ppm		97
27) N-Nitrosopyrrolidine	5.083	100	10242	5.010	ppm		94
28) N-Nitrosomorpholine	5.110	56	10432	5.184	ppm		94
29) o-Toluidine	5.121	106	31153	5.382	ppm		81
30) Hexachloroethane	5.179	117	8685	5.125	ppm		86
31) o,o-Triethylphosphor...	5.623	198	8641	4.896	ppm		88
32) Alpha-terpinol	5.922	121	7343	5.340	ppm		93
35) Nitrobenzene	5.254	77	21051	5.135	ppm		99
36) N-Nitrosopiperidine	5.393	42	11074	4.969	ppm		95
37) Isophorone	5.463	82	35984	5.266	ppm		99
38) 2-Nitrophenol	5.548	139	10209	4.813	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR841.D
 Acq On : 30 Apr 2019 10:38 am
 Operator : JMisiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	19020	4.979	ppm	93
40) bis(-2-Chloroethoxy)Me...	5.660	93	21942	5.461	ppm	95
42) 2,4-Dichlorophenol	5.788	162	14343	4.740	ppm	96
43) a,a-Dimethylphenethyla...	5.783	58	37152m	4.870	ppm	
44) 1,2,4-Trichlorobenzene	5.842	180	16483	5.167	ppm	96
45) Naphthalene	5.922	128	57722	5.206	ppm	99
46) 4-Chloroaniline	5.981	127	23188	4.998	ppm	96
47) 2,6-Dichlorophenol	5.986	162	16286	5.147	ppm	90
48) Hexachlorobutadiene	6.023	225	8202	5.074	ppm	98
49) Hexachloropropene	5.997	213	9986	4.944	ppm	95
50) 4-Chloro-3-methylphenol	6.467	107	14966m	4.961	ppm	
51) N-N-di-n-butylamine	6.285	84	11913	4.971	ppm	97
52) Caprolactam	6.306	113	6449	5.377	ppm	77
53) p-Phenylenediamine	6.328	80	4067	5.135	ppm	# 72
54) Safrole	6.499	162	14151	4.973	ppm	95
55) 2-Methylnaphthalene	6.589	142	37260	5.193	ppm	97
56) 1-Methylnaphthalene	6.686	142	34539	5.145	ppm	98
58) Hexachlorocyclopentadiene	6.728	237	3707	3.975	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.750	216	15624	5.255	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.027	216	16165	5.163	ppm	95
61) 2,4,6-Trichlorophenol	6.873	196	8903	4.728	ppm	90
62) 2,4,5-Trichlorophenol	6.931	196	10089	4.981	ppm	95
64) Isosafrole	7.006	104	6348	4.886	ppm	89
65) 1,1'-Biphenyl	7.043	154	45697	5.106	ppm	100
66) 2-Chloronaphthalene	7.065	162	32594	5.039	ppm	98
67) 2-Nitroaniline	7.177	65	9331	5.047	ppm	85
68) 1,4-Naphthoquinone	7.252	158	9895	4.873	ppm	80
69) m-Dinitrobenzene	7.396	168	6328	4.980	ppm	81
70) Acenaphthylene	7.476	152	51818	5.002	ppm	98
71) Dimethyl phthalate	7.343	163	39205	5.184	ppm	99
72) 2,6-Dinitrotoluene	7.412	165	8454	4.924	ppm	93
73) Acenaphthene	7.642	153	36331	5.041	ppm	96
74) 3-Nitroaniline	7.588	138	9816	4.974	ppm	94
75) 2,4-Dinitrophenol	7.711	184	1119	4.551	ppm	67
76) Dibenzofuran	7.813	168	45697	5.135	ppm	96
77) 2,4-Dinitrotoluene	7.813	165	10774	4.752	ppm	81
78) 4-Nitrophenol	7.813	65	5503m	4.172	ppm	
79) Pentachlorobenzene	7.770	250	11556	4.850	ppm	96
80) 1-Naphthylamine	7.898	143	24762	5.284	ppm	99
81) 2-Naphthylamine	7.978	143	31751	5.317	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.946	232	5430	3.923	ppm	91
83) Fluorene	8.149	166	38134	5.212	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	15152	5.133	ppm	99
85) Diethylphthalate	8.032	149	38614	5.156	ppm	97
86) 4-Nitroaniline	8.197	138	9286	4.770	ppm	98
87) 5-Nitro-o-toluidine	8.181	152	11237	5.085	ppm	93
89) Sulfotepp	8.416	322	4652	4.977	ppm	71
90) Octachlorocyclopentene	8.389	307	5160	5.423	ppm	84
92) Thionazin	8.112	107	6632	5.357	ppm	88
93) 4,6-Dinitro-2-methylph...	8.219	198	3447	2.834	ppm	# 57
94) Diphenylamine	8.267	169	58971	10.576	ppm	100
95) 1,2 Diphenylhydrazine	8.304	77	39152	5.564	ppm	96
96) N-Nitrosodiphenylamine	8.267	169	58971	10.576	ppm	100
97) 1,3,5-Trinirobenzene	8.582	74	4601	4.572	ppm	88
98) Diallate	8.539	86	16096	5.660	ppm	98
99) Phorate	8.555	121	8683	5.950	ppm	# 75

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR841.D
 Acq On : 30 Apr 2019 10:38 am
 Operator : JMisiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 7 Sample Multiplier: 1

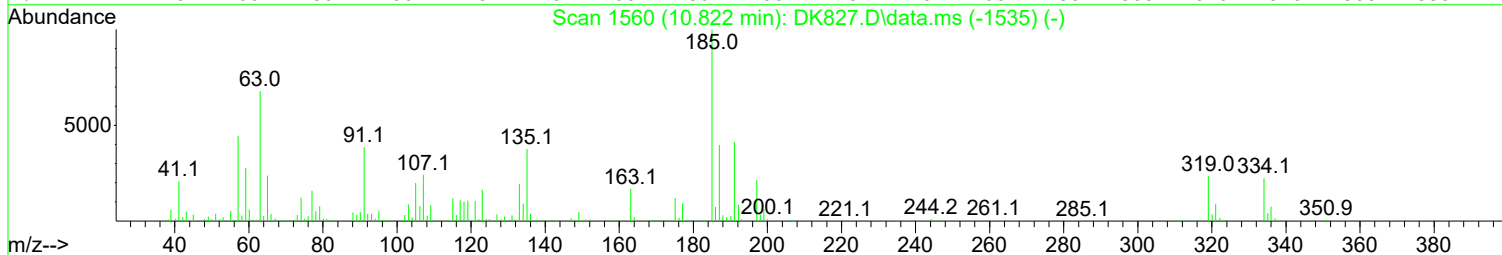
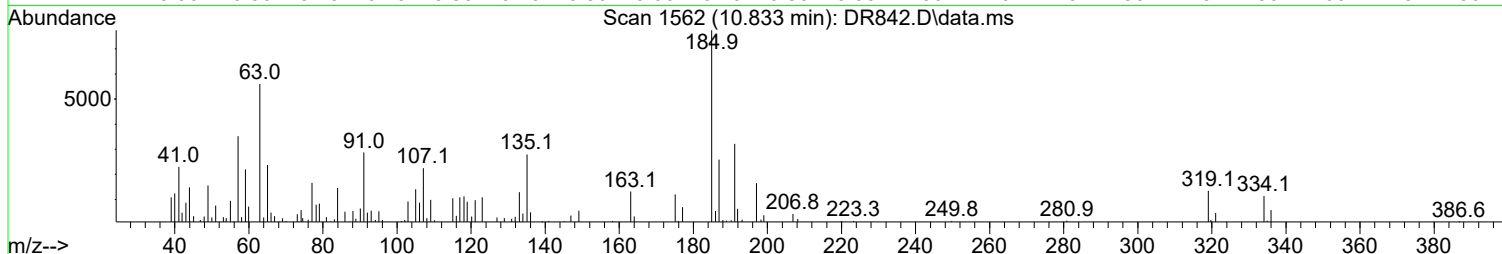
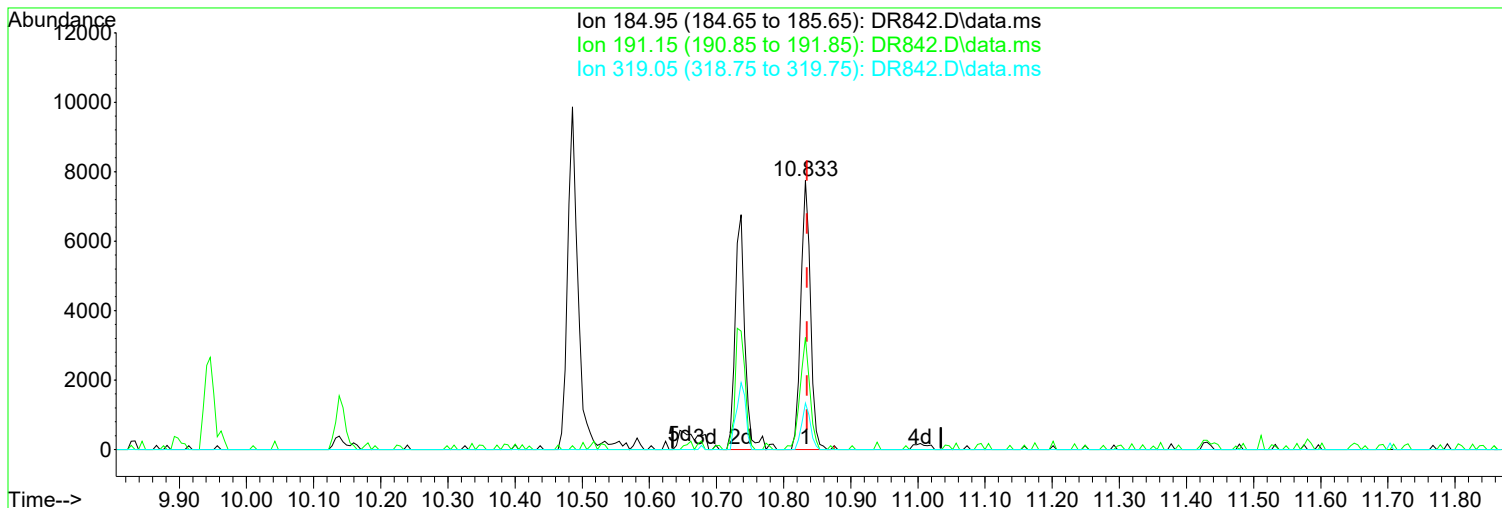
Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.582	108	18443	5.016	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	8848	5.363	ppm	87
102) Hexachlorobenzene	8.689	284	9436	5.086	ppm	93
103) Dimethoate	8.731	87	13122	5.443	ppm	97
104) Atrazine	8.795	215	4511	5.000	ppm	90
105) Pentachlorophenol	8.902	266	1252	5.256	ppm #	69
106) 4-Aminobiphenyl	8.897	169	28747	5.074	ppm	93
107) Pentachloronitrobenzene	8.897	237	3129	4.565	ppm	78
108) Pronamide	8.945	173	14975	4.642	ppm	95
109) Dinoseb	9.068	211	4810	3.005	ppm	92
110) Disulfoton	9.068	88	20588	5.629	ppm	90
111) Phenanthrene	9.105	178	49785	4.989	ppm	100
112) Anthracene	9.159	178	50145	5.058	ppm	95
113) Carbazole	9.329	167	48414	4.971	ppm	96
114) Di-n-butylphthalate	9.645	149	61218	4.863	ppm	99
115) 4-Nitroquinoline-1-oxide	9.896	190	1352	2.291	ppm	73
116) Fluoranthene	10.318	202	47060	4.607	ppm	98
118) Methyl Parathion	9.452	109	12089	5.149	ppm	90
119) Ethyl Parathion	9.832	97	8007	4.565	ppm	96
120) Methapyrilene	9.944	58	13271	5.201	ppm	96
121) Isodrin	10.141	193	5146	4.753	ppm	96
122) Benzidine	10.483	184	32654	4.699	ppm	98
123) Pyrene	10.585	202	52540	4.832	ppm	97
125) Aramite	10.830	185	7296m	4.896	ppm	
126) p-(Dimethylamino)azobe...	10.948	120	14597	4.518	ppm	99
127) Chlorobenzilate	11.001	139	18537	4.912	ppm	90
128) Butyl benzyl phthalate	11.439	149	30096	4.989	ppm	95
129) 3,3-Dimethylbenzidine	11.434	212	31410	4.749	ppm	99
130) 2-Acetylaminofluorene	11.824	181	23444	4.866	ppm	94
131) 3,3'-Dichlorobenzidine	12.310	252	18580	4.717	ppm	95
132) Benzo(a)anthracene	12.326	228	49492	4.922	ppm	98
133) Chrysene	12.395	228	45808	4.952	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.401	149	39931	4.810	ppm	98
136) Di-n-octyl phthalate	13.720	149	67150	4.683	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.436	256	23404	5.124	ppm	93
138) Benzo(b)Fluoranthene	14.452	252	49069	4.880	ppm	98
139) Benzo(k)fluoranthene	14.505	252	46635	4.897	ppm	97
140) Benzo(a)pyrene	15.157	252	42505	4.915	ppm	98
141) 3-Methylcholanthrene	15.936	268	24191	4.776	ppm	96
142) Indeno(1,2,3-cd)Pyrene	17.245	276	42682	5.033	ppm	93
143) Dibenz(a,h)anthracene	17.288	278	45300	5.098	ppm	99
144) Benzo(g,h,i)perylene	17.710	276	37157	5.084	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 9.67 ppm m

After

response 14625

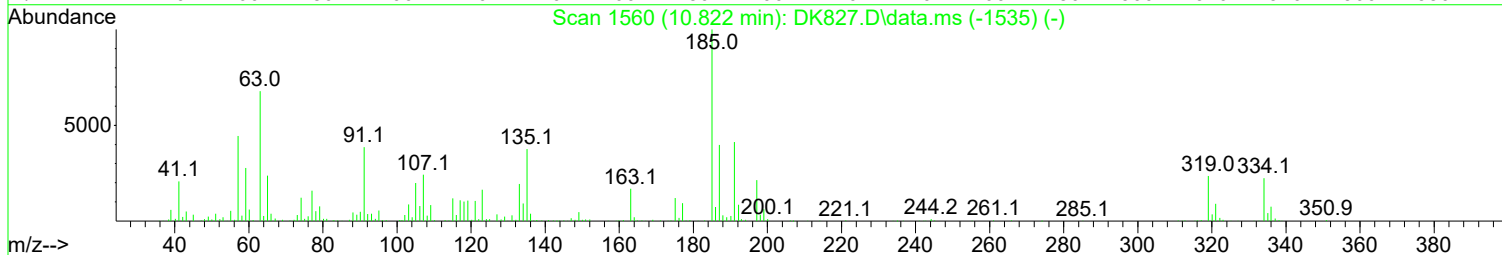
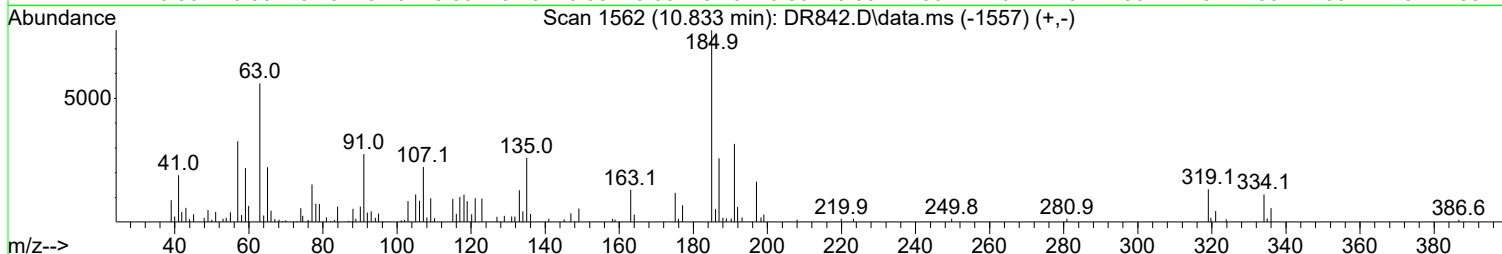
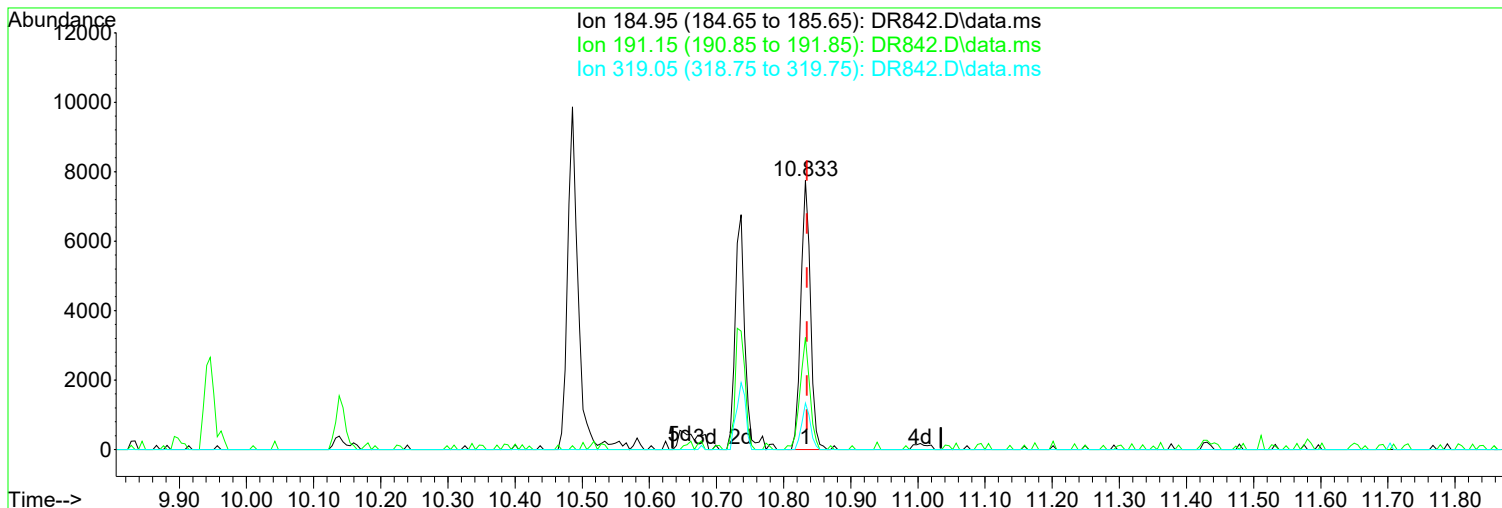
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.59
319.05	16.80	17.26
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR842.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 5.09 ppm

Before

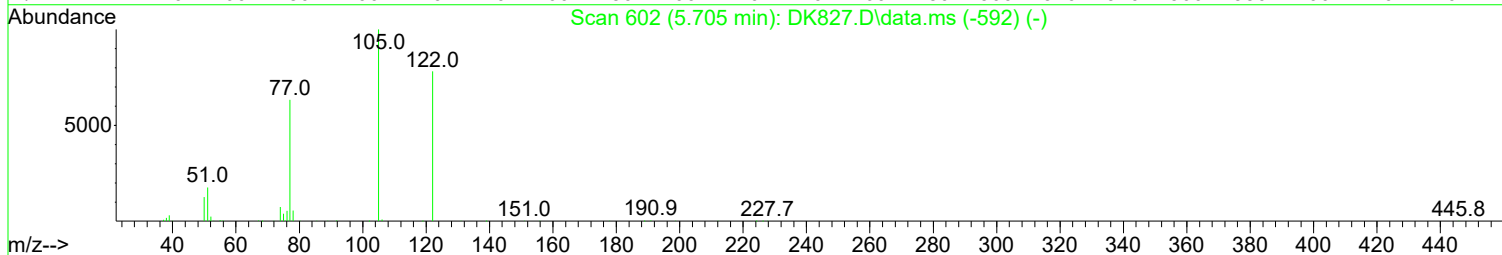
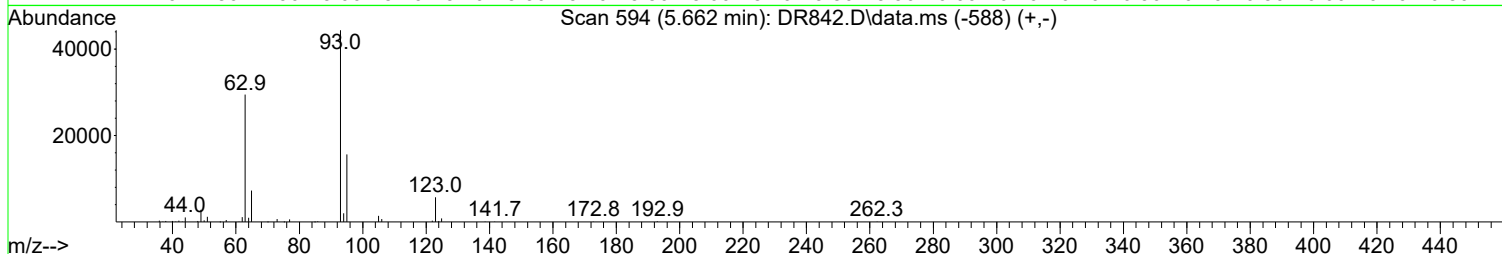
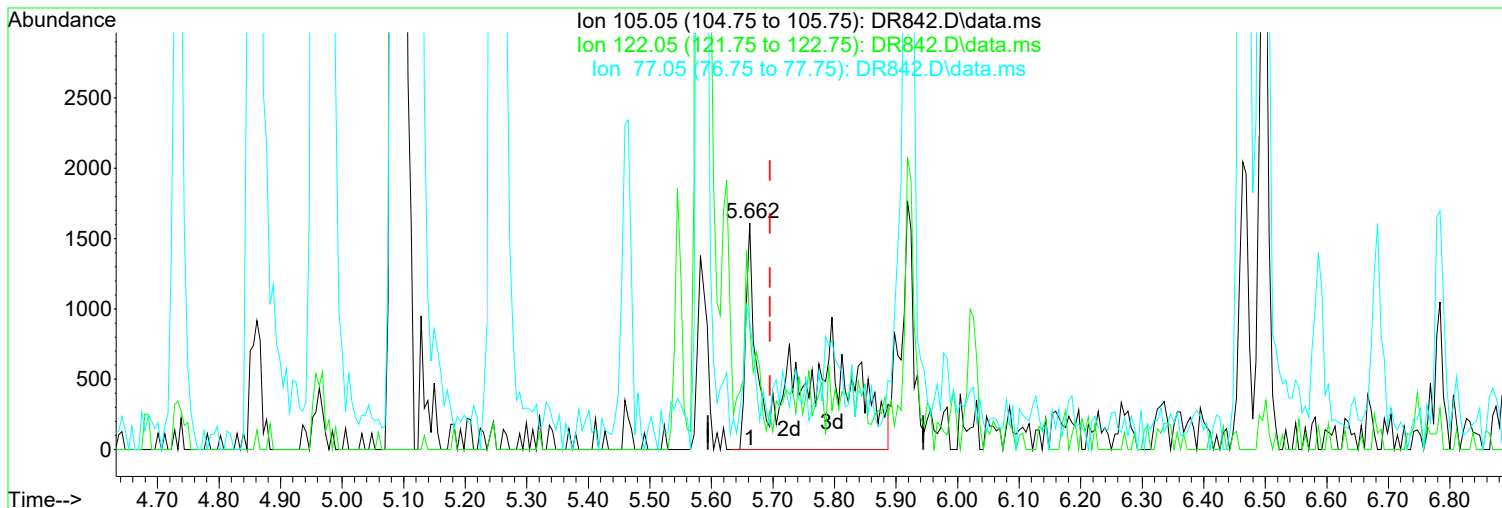
response 7700

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.20
319.05	16.80	19.66
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
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ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.662min (-0.033) 20.14 ppm m

After

response 6983

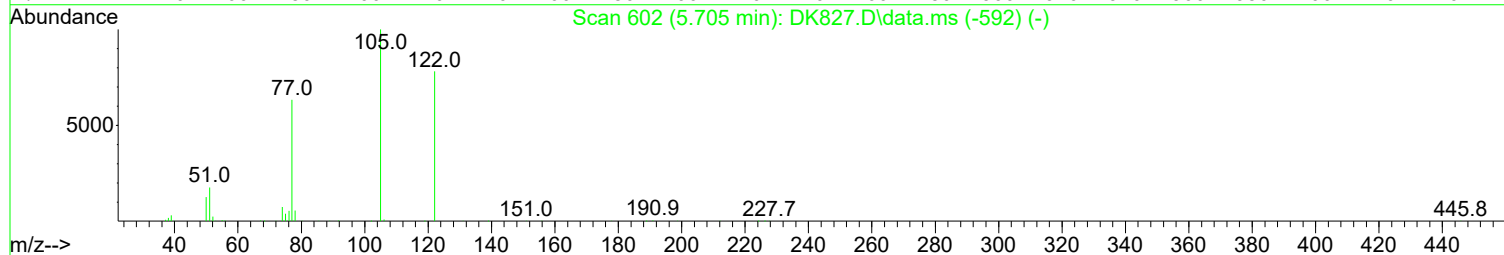
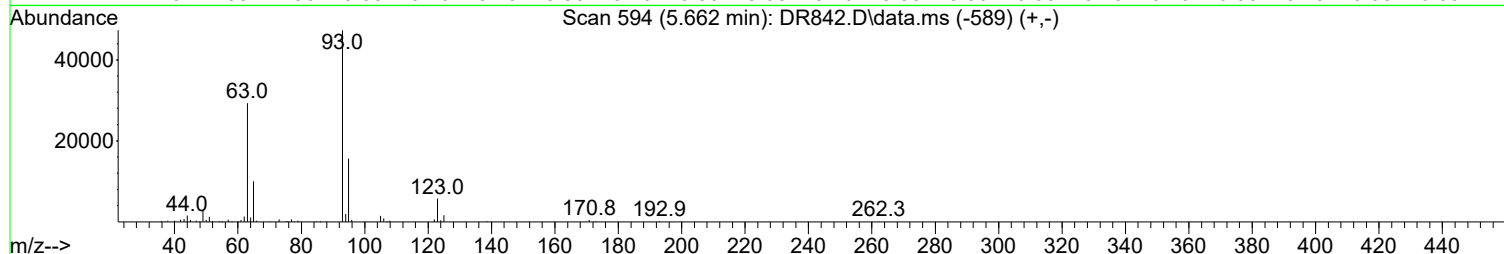
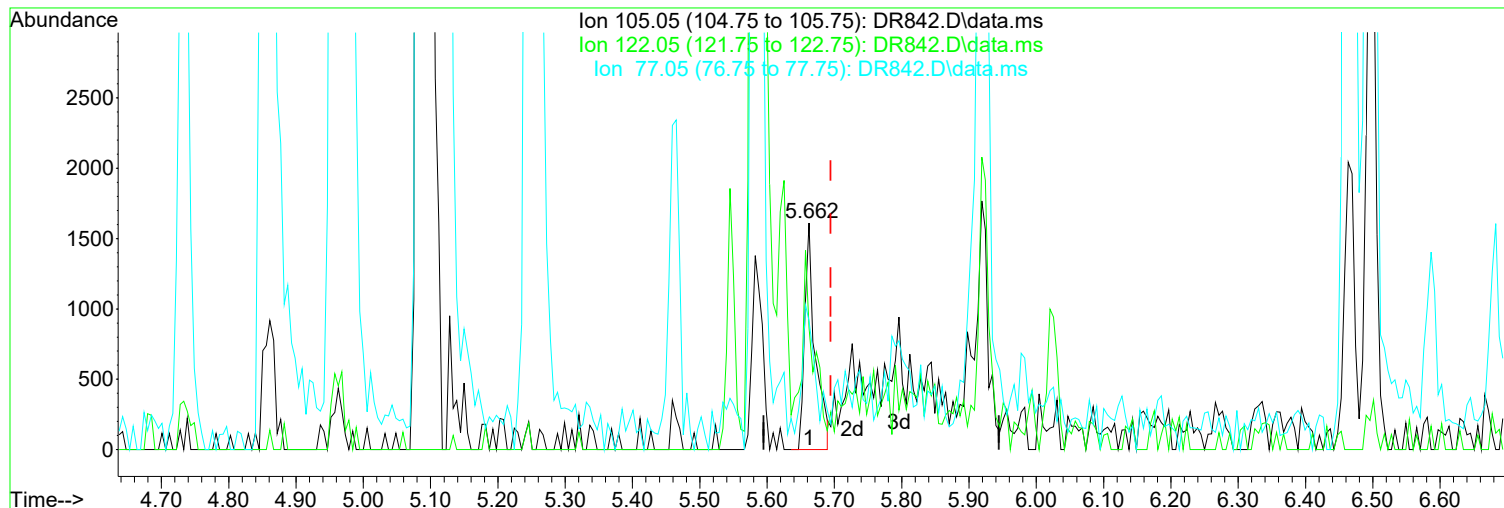
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	53.88
77.05	69.40	56.73
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.662min (-0.033) 17.74 ppm

Before

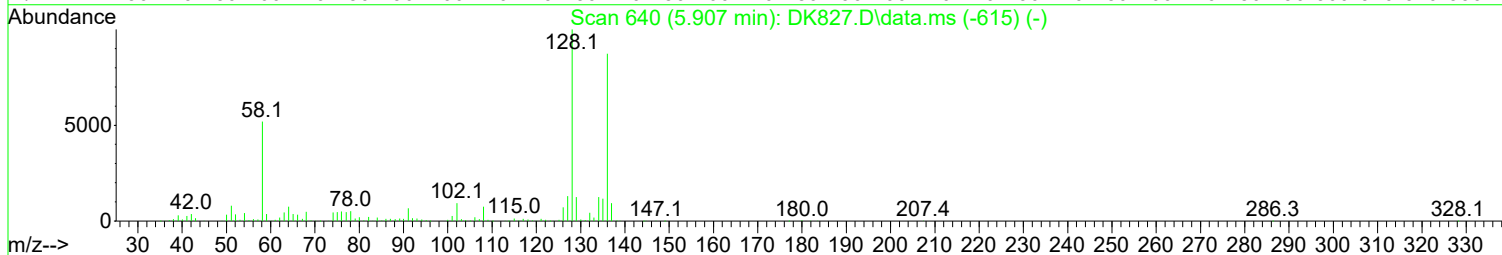
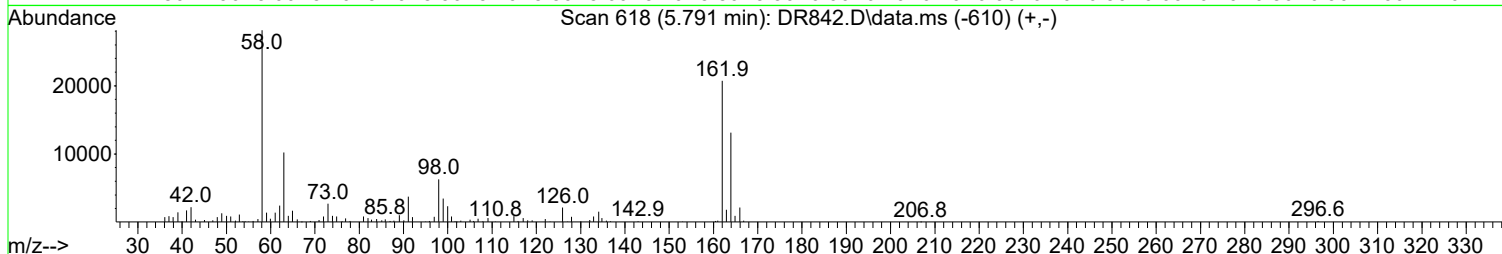
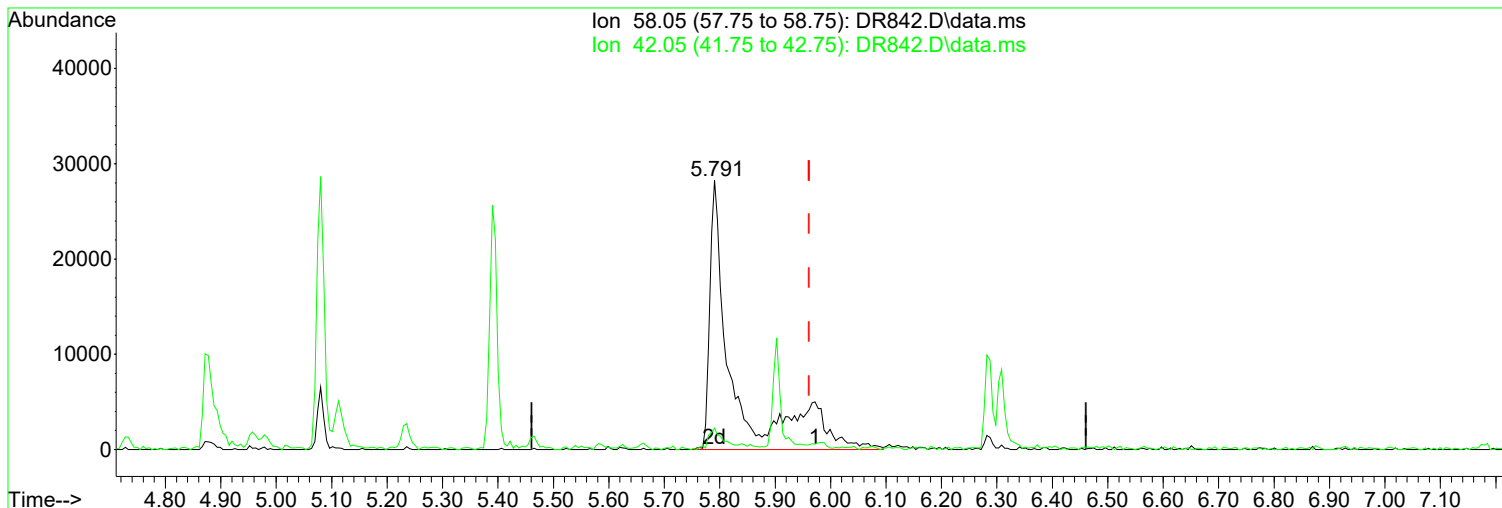
response 1737

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	44.97#
77.05	69.40	44.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.791min (-0.171) 10.61 ppm m

After

response 82857

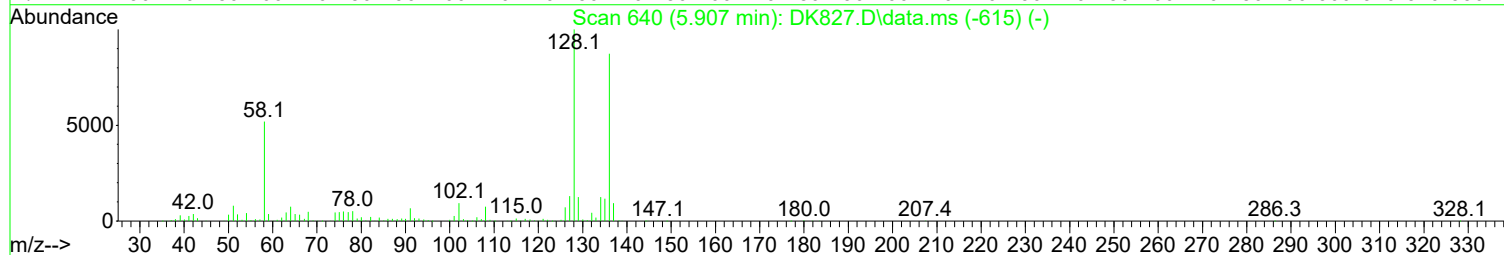
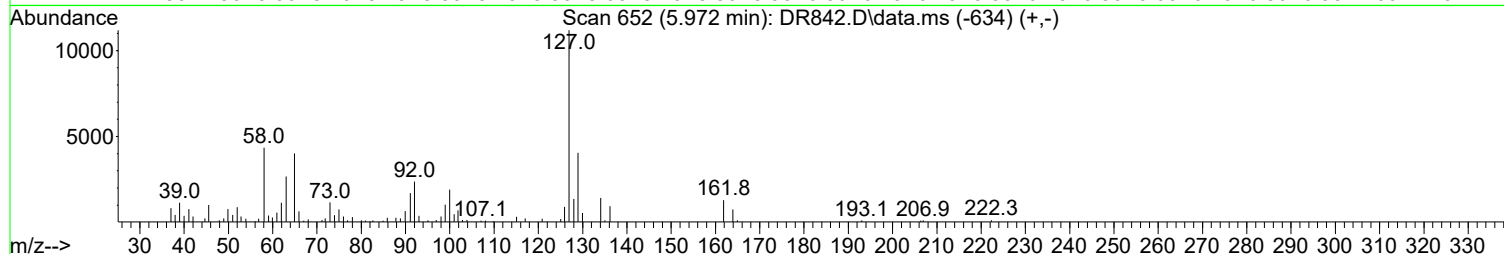
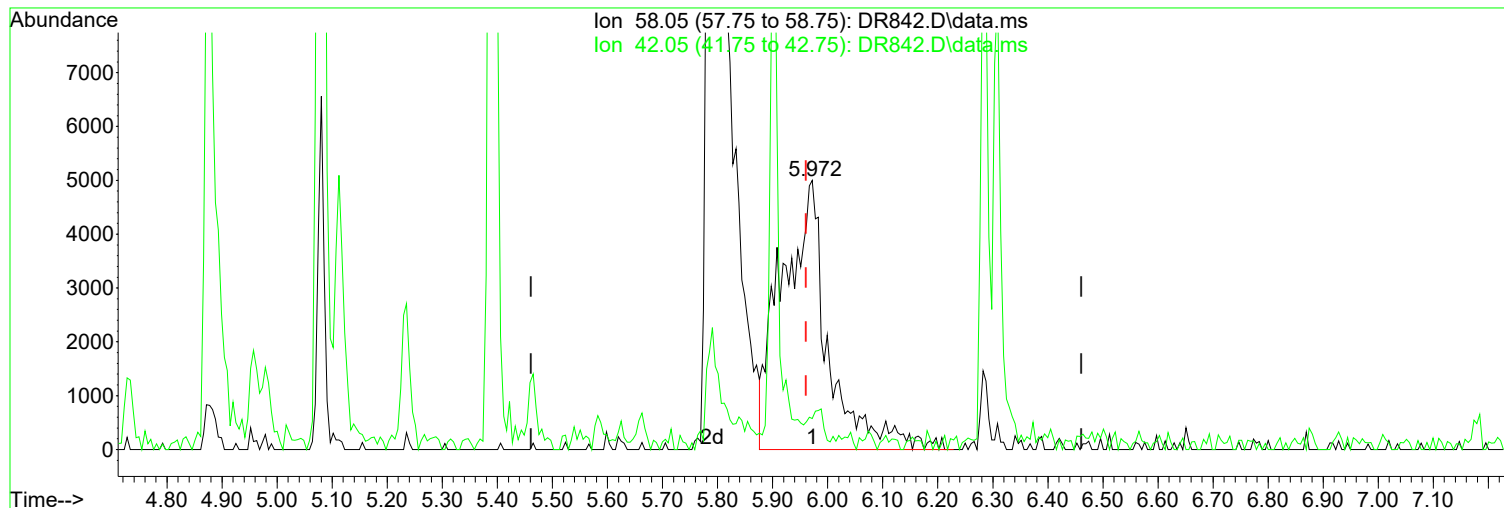
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.02
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.972min (+ 0.011) 3.73 ppm

Before

response 29122

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.77
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	108752	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	411748	40.00	ppm	0.00	
57) d10-Acenaphthene	7.612	164	204303	40.00	ppm	0.00	
91) d10-Phenanthrene	9.081	188	308447	40.00	ppm	0.00	
117) d12-Chrysene	12.349	240	300507	40.00	ppm	0.00	
135) d12-Perylene	15.292	264	293083	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.659	112	41166	10.41	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	10.41%	
12) SURR2,PHENOL-D6	4.423	99	48812	10.04	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	10.04%	
34) SURR4,NITROBENZENE-D5	5.235	82	42600	10.20	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	20.40%#	
63) SURR5,2-FLUOROBIPHENYL	6.944	172	79062	10.18	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	20.36%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.397	330	8231	9.84	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	9.84%#	
124) SURR6,TERPHENYL-D14	10.768	244	71122	10.05	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	20.10%	
Target Compounds							
							Qvalue
2) Pyridine	2.629	79	44030	10.548	ppm		98
3) N-Nitrosodimethylamine	2.591	74	23457	9.239	ppm		94
4) 2-Picoline	3.200	93	43873	10.157	ppm		98
5) N-Nitrosomethylamine	3.286	42	16294	9.280	ppm		92
6) Methyl Methansulfonate	3.521	80	19220	9.768	ppm		97
8) N-Nitrosodiethylamine	3.830	102	19366	10.040	ppm		94
9) Ethyl Mathanesulfonate	4.076	79	32092	9.652	ppm		93
10) Benzaldehyde	4.364	106	56570	20.335	ppm		97
11) Aniline	4.450	93	62763	10.119	ppm		94
13) Phenol	4.434	94	54135	10.186	ppm		96
14) bis(2-Clethyl)Ether	4.493	93	37541	10.208	ppm		96
15) Pentachloroethane	4.487	117	14226	9.608	ppm		91
16) 2-Chlorophenol	4.562	128	41576	9.959	ppm		96
17) 1,3-Diclbzene	4.680	146	43986	10.124	ppm		93
18) 1,4-Dichlorobenzene	4.749	146	45459	10.224	ppm		97
19) 1,2-Diclbzene	4.883	146	42622	10.033	ppm		98
20) Benzyl Alcohol	4.856	79	27700	9.797	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.872	99	25205	9.753	ppm		99
22) 2,2'-oxybis(1-Chloropr...	4.957	45	36079	10.210	ppm	#	51
23) 2-Methylphenol	4.963	108	37465	10.001	ppm		91
24) 3+4-Methylphenol	5.102	108	43458	10.253	ppm		98
25) Acetophenone	5.091	105	53078	10.082	ppm		95
26) N-Nitroso-Di-n-propyla...	5.080	70	29395	10.353	ppm		96
27) N-Nitrosopyrrolidine	5.080	100	21762	10.540	ppm		72
28) N-Nitrosomorpholine	5.112	56	20186	9.933	ppm		93
29) o-Toluidine	5.123	106	59468	10.172	ppm		89
30) Hexachloroethane	5.182	117	17415	10.176	ppm		95
31) o,o,o-Triethylphosphor...	5.625	198	18523	10.392	ppm		94
32) Alpha-terpinol	5.924	121	13946	10.041	ppm		93
35) Nitrobenzene	5.251	77	43515	10.370	ppm		95
36) N-Nitrosopiperidine	5.390	42	24405	10.699	ppm		97
37) Isophorone	5.465	82	72562	10.373	ppm		99
38) 2-Nitrophenol	5.545	139	21777	10.029	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.582	107	39387	10.073	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.662	93	41467	10.082	ppm	100
41) Benzoic Acid	5.662	105	6983m	20.138	ppm	
42) 2,4-Dichlorophenol	5.785	162	30160	9.738	ppm	99
43) a,a-Dimethylphenethyla...	5.791	58	82857m	10.610	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	33539	10.271	ppm	92
45) Naphthalene	5.924	128	115846	10.208	ppm	98
46) 4-Chloroaniline	5.983	127	47495	10.002	ppm	98
47) 2,6-Dichlorophenol	5.988	162	32488	10.031	ppm	95
48) Hexachlorobutadiene	6.026	225	17847	10.786	ppm	91
49) Hexachloropropene	5.999	213	20643	9.985	ppm	95
50) 4-Chloro-3-methylphenol	6.464	107	31974	10.353	ppm	# 67
51) N-N-di-n-butylamine	6.287	84	25241	10.289	ppm	93
52) Caprolactam	6.309	113	12546	10.220	ppm	78
53) p-Phenylenediamine	6.330	80	9142	11.276	ppm	80
54) Safrole	6.496	162	29085	9.985	ppm	89
55) 2-Methylnaphthalene	6.586	142	74440	10.135	ppm	100
56) 1-Methylnaphthalene	6.683	142	67772	9.863	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	9908	8.516	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.747	216	30304	10.078	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	31590	9.977	ppm	97
61) 2,4,6-Trichlorophenol	6.875	196	19659	10.322	ppm	86
62) 2,4,5-Trichlorophenol	6.928	196	20320	9.920	ppm	96
64) Isosafrole	7.008	104	12972	9.873	ppm	94
65) 1,1'-Biphenyl	7.040	154	91819	10.145	ppm	98
66) 2-Chloronaphthalene	7.067	162	67329	10.293	ppm	98
67) 2-Nitroaniline	7.179	65	20116	10.758	ppm	93
68) 1,4-Naphthoquinone	7.254	158	22123	10.773	ppm	92
69) m-Dinitrobenzene	7.393	168	11971	9.314	ppm	80
70) Acenaphthylene	7.473	152	105967	10.114	ppm	97
71) Dimethyl phthalate	7.339	163	79841	10.439	ppm	100
72) 2,6-Dinitrotoluene	7.414	165	18504	10.657	ppm	98
73) Acenaphthene	7.644	153	74342	10.200	ppm	98
74) 3-Nitroaniline	7.590	138	20652	10.347	ppm	92
75) 2,4-Dinitrophenol	7.703	184	2997	8.642	ppm	98
76) Dibenzofuran	7.815	168	92309	10.256	ppm	95
77) 2,4-Dinitrotoluene	7.815	165	22573	9.844	ppm	92
78) 4-Nitrophenol	7.804	65	11725	8.789	ppm	# 33
79) Pentachlorobenzene	7.772	250	25042	10.392	ppm	97
80) 1-Naphthylamine	7.900	143	50362	10.625	ppm	99
81) 2-Naphthylamine	7.980	143	62760	10.391	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.948	232	13274	9.483	ppm	88
83) Fluorene	8.151	166	77902	10.527	ppm	100
84) 4-Chlorophenyl-phenyle...	8.146	204	31336	10.496	ppm	98
85) Diethylphthalate	8.034	149	75917	10.023	ppm	98
86) 4-Nitroaniline	8.194	138	20791	10.560	ppm	99
87) 5-Nitro-o-toluidine	8.178	152	22033	9.858	ppm	100
89) Sulfotepp	8.413	322	9493	10.042	ppm	88
90) Octachlorocyclopentene	8.392	307	9687	10.066	ppm	94
92) Thionazin	8.114	107	12913	10.671	ppm	98
93) 4,6-Dinitro-2-methylph...	8.215	198	8683	7.303	ppm	# 73
94) Diphenylamine	8.269	169	120211	22.055	ppm	98
95) 1,2 Diphenylhydrazine	8.306	77	78490	11.410	ppm	96
96) N-Nitrosodiphenylamine	8.269	169	120211	22.055	ppm	98
97) 1,3,5-Trinitrobenzene	8.579	74	9866	10.029	ppm	# 57
98) Diallate	8.541	86	31029	11.161	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

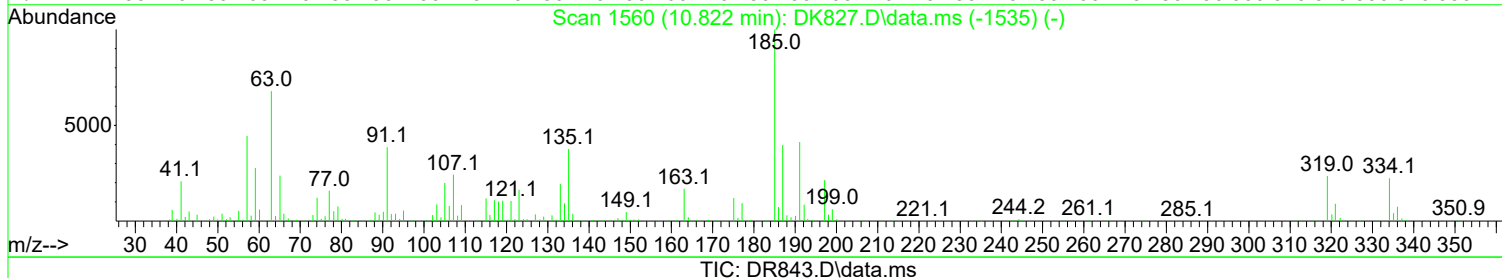
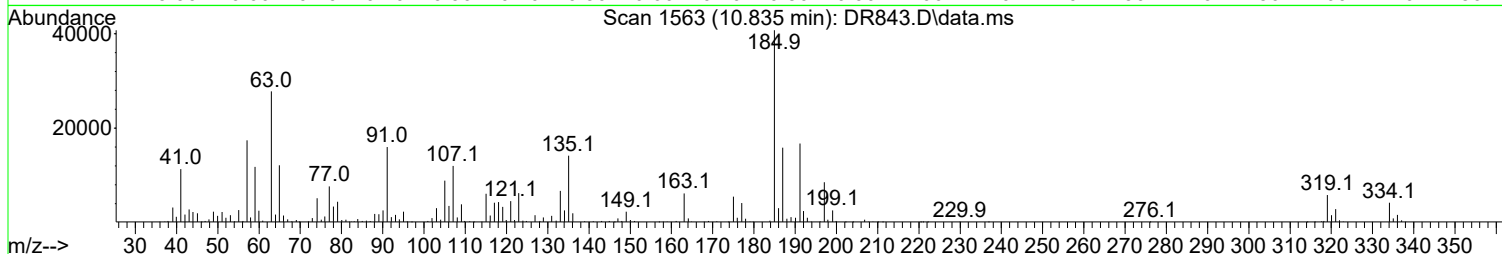
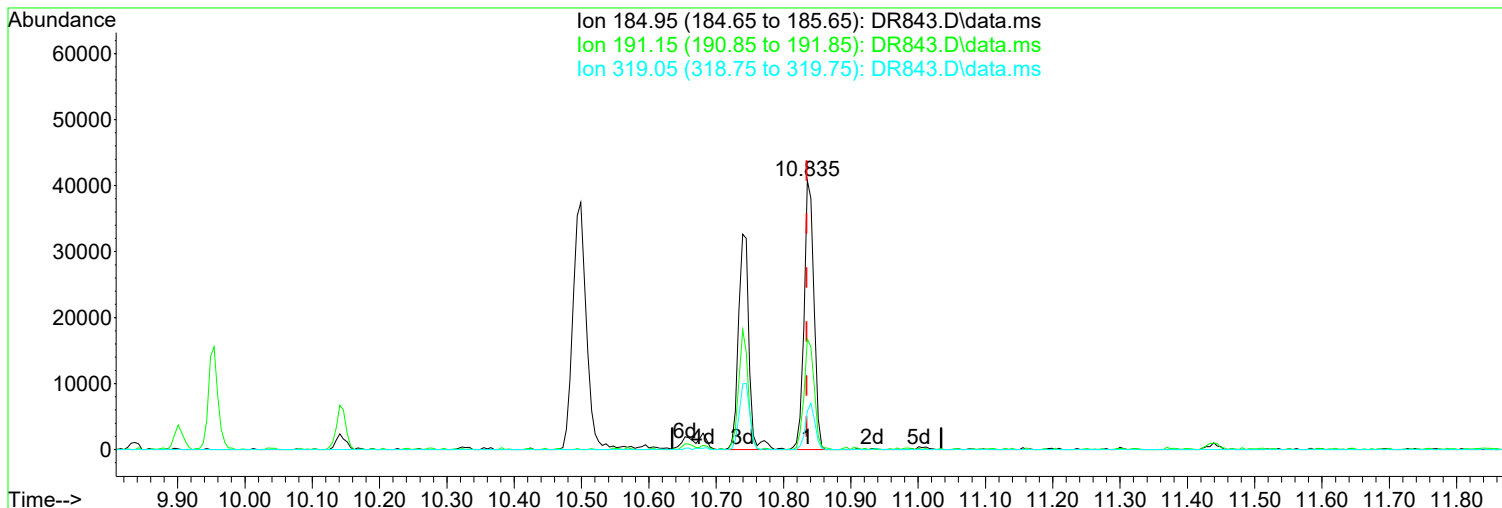
Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.552	121	15891	11.139	ppm	85
100) Phenacetin	8.584	108	39710	11.048	ppm	98
101) 4-Bromophenyl-phenylether	8.632	248	17263	10.704	ppm	94
102) Hexachlorobenzene	8.691	284	19691	10.857	ppm	99
103) Dimethoate	8.733	87	28226	11.977	ppm	95
104) Atrazine	8.798	215	10337	11.721	ppm	98
105) Pentachlorophenol	8.904	266	3320	8.836	ppm	85
106) 4-Aminobiphenyl	8.899	169	56778	10.252	ppm	99
107) Pentachloronitrobenzene	8.899	237	7006	10.456	ppm	94
108) Pronamide	8.947	173	32692	10.366	ppm	99
109) Dinoseb	9.070	211	11869	7.584	ppm	90
110) Disulfoton	9.070	88	36947	10.334	ppm	93
111) Phenanthrene	9.107	178	98674	10.116	ppm	98
112) Anthracene	9.155	178	97297	10.039	ppm	99
113) Carbazole	9.326	167	99103	10.409	ppm	99
114) Di-n-butylphthalate	9.647	149	130166	10.578	ppm	98
115) 4-Nitroquinonline-1-oxide	9.893	190	3557	6.165	ppm	69
116) Fluoranthene	10.320	202	106157	10.630	ppm	99
118) Methyl Parathion	9.449	109	25486	10.698	ppm	93
119) Ethyl Parathion	9.828	97	18743	10.530	ppm	87
120) Methapyrilene	9.941	58	28569	11.033	ppm	91
121) Isodrin	10.138	193	10566	9.617	ppm	90
122) Benzidine	10.485	184	69294	9.827	ppm	96
123) Pyrene	10.587	202	109943	9.963	ppm	98
125) Aramite	10.833	185	14625m	9.671	ppm	
126) p-(Dimethylamino)azobe...	10.950	120	32582	9.939	ppm	95
127) Chlorobenzilate	11.003	139	39531	10.322	ppm	96
128) Butyl benzyl phthalate	11.441	149	62353	10.186	ppm	97
129) 3,3-Dimethylbenzidine	11.431	212	67509	10.058	ppm	99
130) 2-Acetylaminofluorene	11.826	181	47661	9.749	ppm	94
131) 3,3'-Dichlorobenzidine	12.307	252	38889	9.729	ppm	97
132) Benzo(a)anthracene	12.328	228	102863	10.081	ppm	98
133) Chrysene	12.397	228	94573	10.075	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.397	149	83139	9.868	ppm	96
136) Di-n-octyl phthalate	13.722	149	144182	10.366	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.438	256	45485	10.266	ppm	97
138) Benzo(b)Fluoranthene	14.454	252	98633	10.113	ppm	98
139) Benzo(k)fluoranthene	14.513	252	97129	10.515	ppm	98
140) Benzo(a)pyrene	15.159	252	84420	10.065	ppm	98
141) 3-Methylcholanthrene	15.933	268	49489	10.074	ppm	94
142) Indeno(1,2,3-cd)Pyrene	17.242	276	86952	10.571	ppm	96
143) Dibenz(a,h)anthracene	17.295	278	89621	10.399	ppm	99
144) Benzo(g,h,i)perylene	17.701	276	76544	10.797	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 53.18 ppm m

After

response 77165

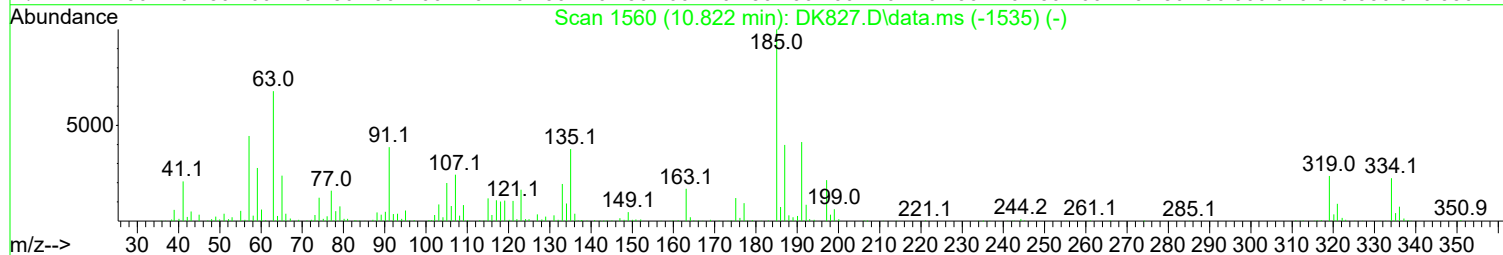
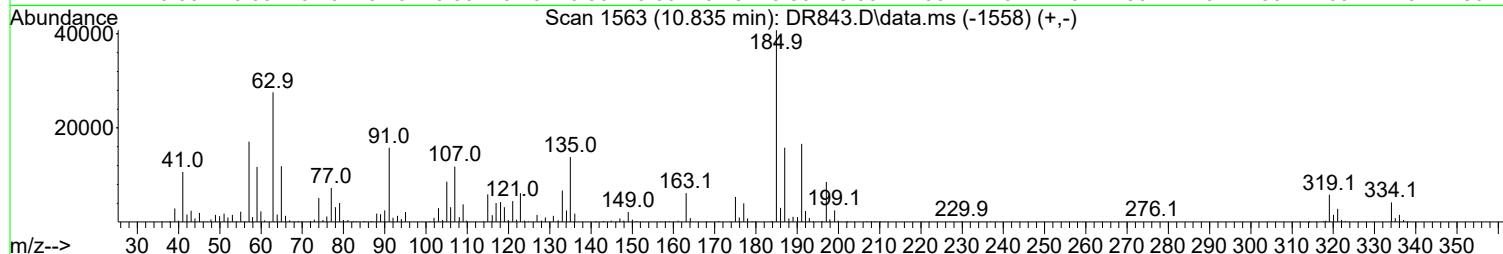
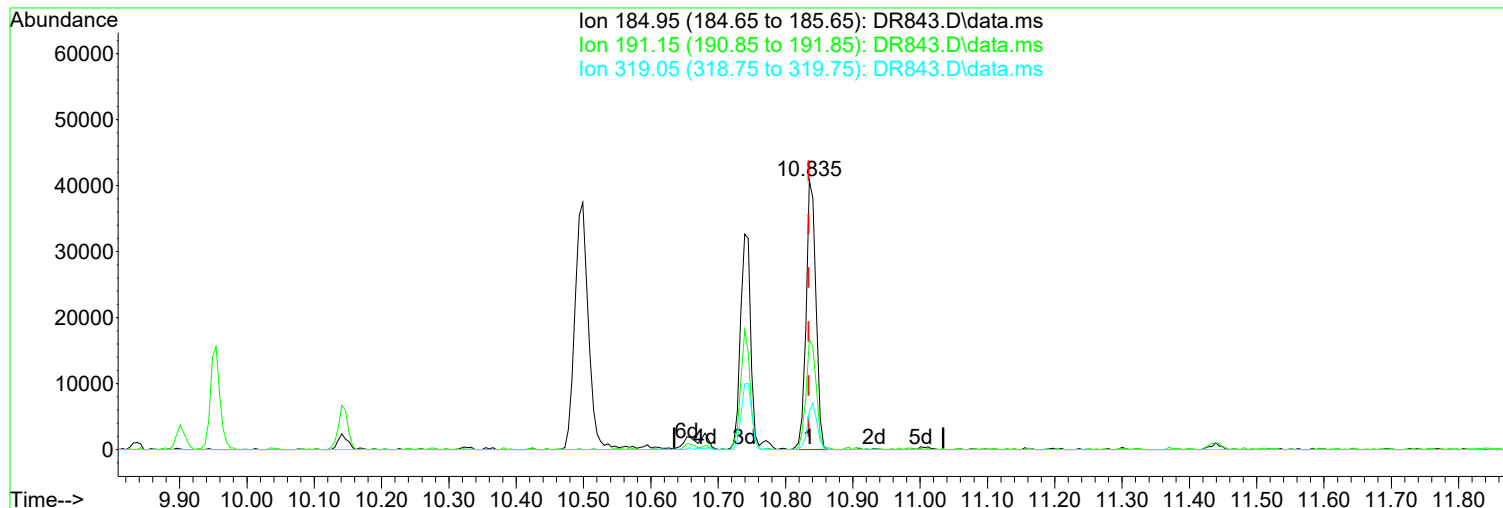
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.13
319.05	16.80	14.27
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR843.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 28.60 ppm

Before

response 41502

Ion Exp% Act%

05/01/19

184.95 100.00 100.00

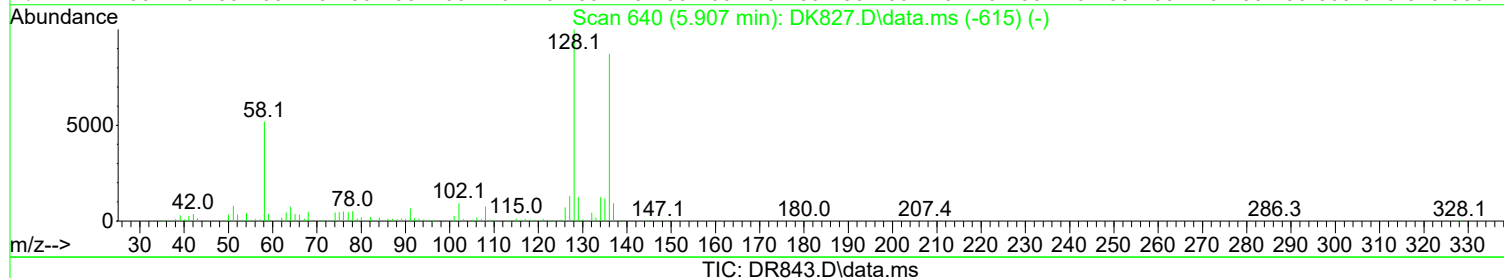
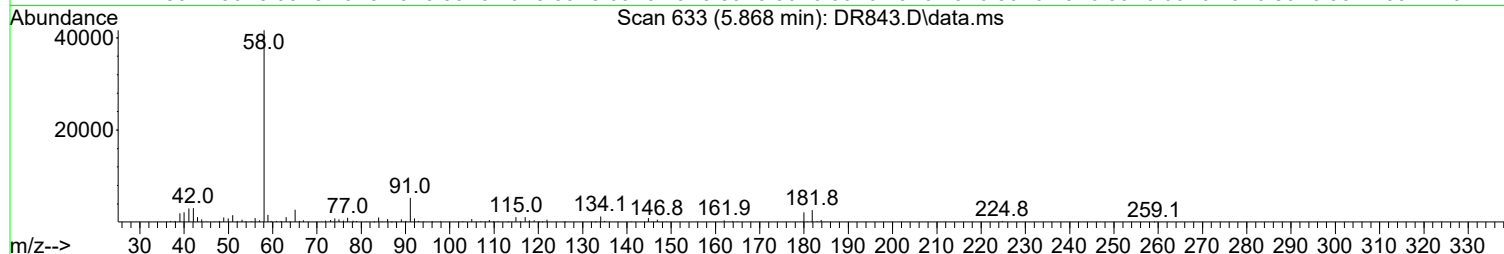
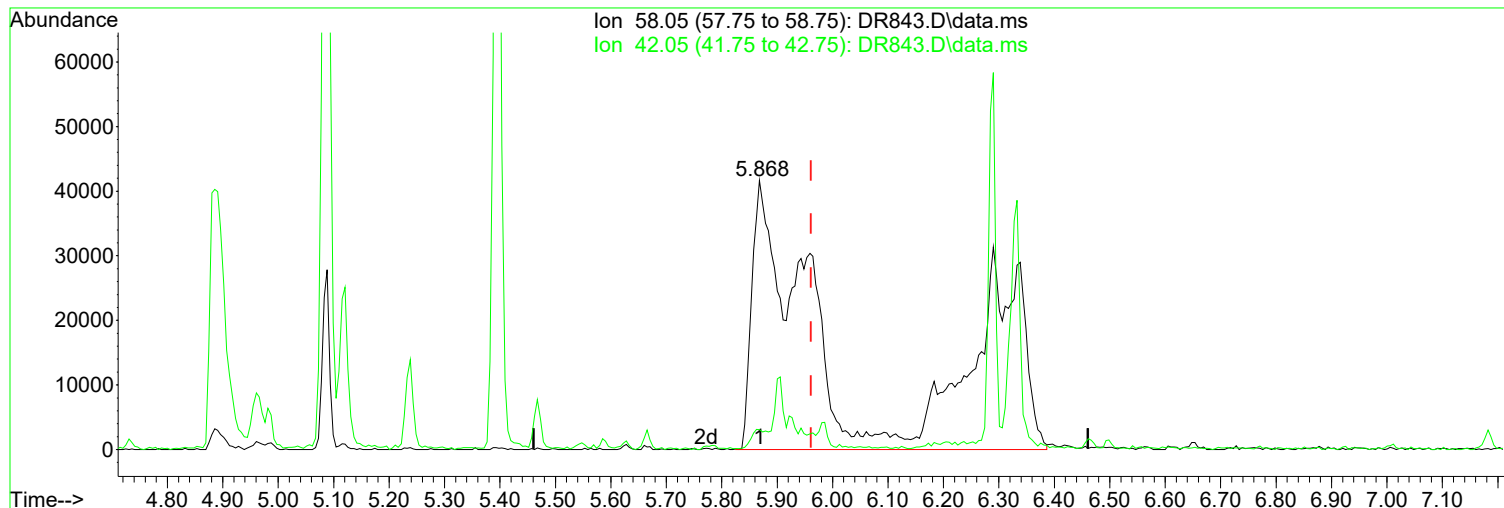
191.15 41.00 40.77

319.05 16.80 14.27

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
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ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 56.27 ppm m

After

response 453701

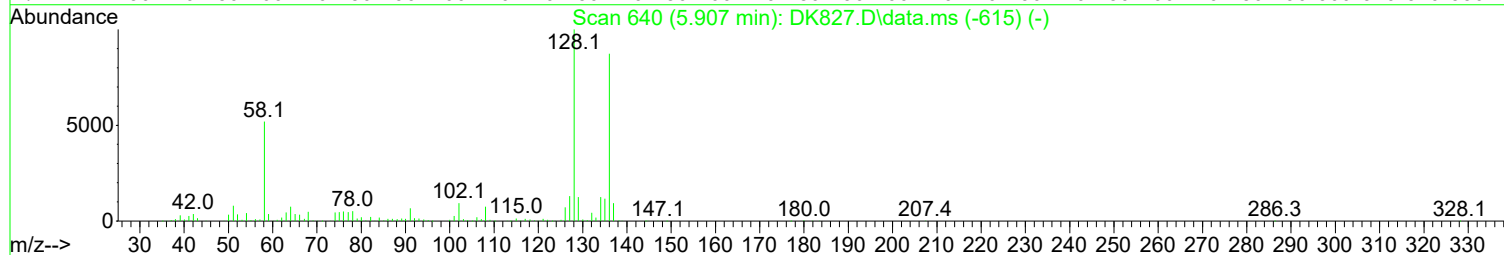
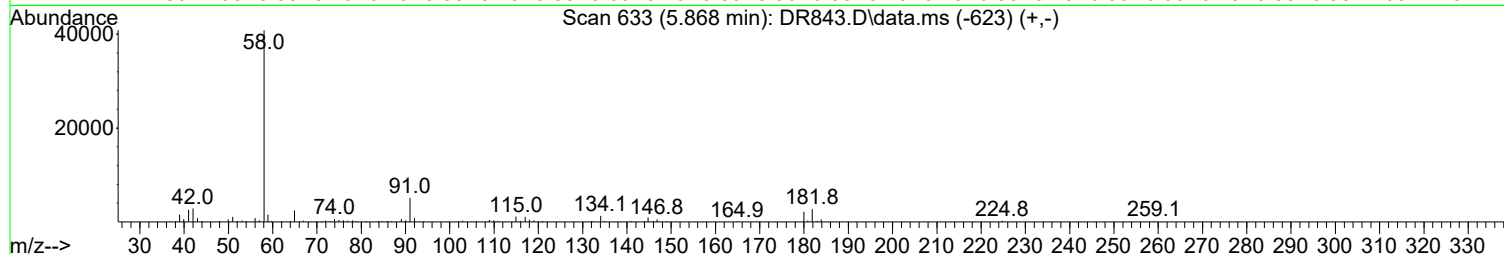
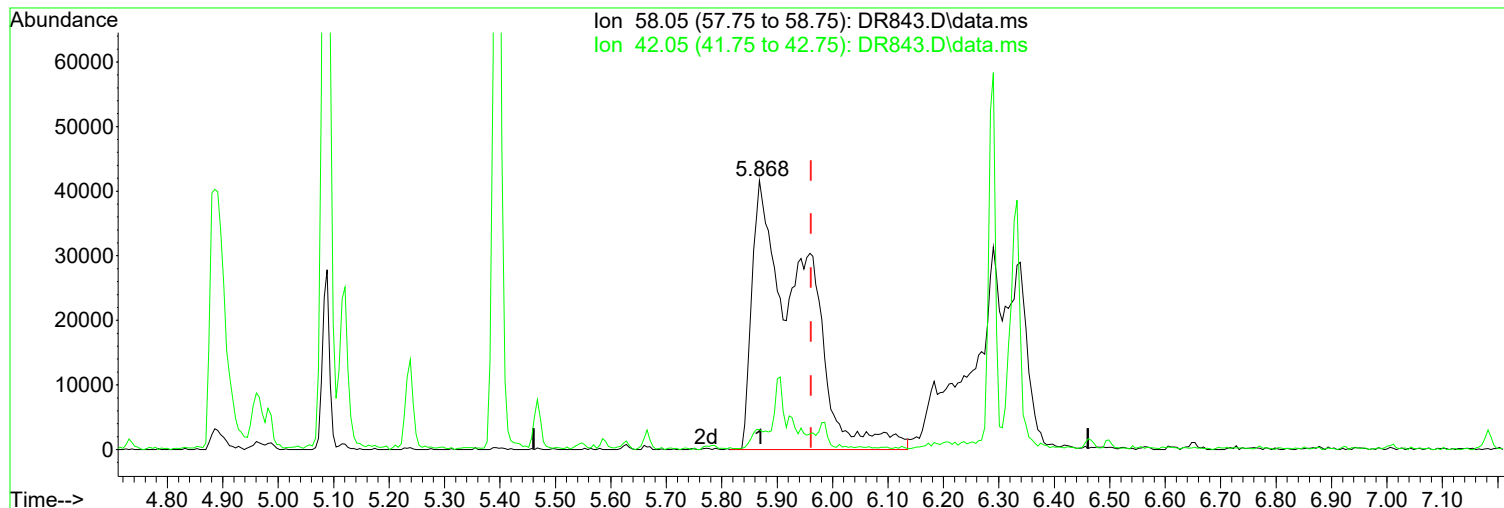
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.40
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 32.40 ppm

Before

response 261234

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	6.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR843.D
 Acq On : 30 Apr 2019 12:00 pm
 Operator : JMisiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	110698	40.00	ppm	0.00	
33) d8-Naphthalene	5.906	136	425134	40.00	ppm	0.00	
57) d10-Acenaphthene	7.615	164	204158	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	310232	40.00	ppm	0.00	
117) d12-Chrysene	12.358	240	288336	40.00	ppm	0.00	
135) d12-Perylene	15.295	264	275009	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.662	112	208047	51.67	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	51.67%	
12) SURR2,PHENOL-D6	4.426	99	270537	54.69	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	54.69%	
34) SURR4,NITROBENZENE-D5	5.238	82	217116	50.33	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	100.66%	
63) SURR5,2-FLUOROBIPHENYL	6.947	172	408560	52.63	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	105.26%	
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	43898	52.51	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	52.51%	
124) SURR6,TERPHENYL-D14	10.771	244	359803	52.97	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	105.94%	
Target Compounds							
							Qvalue
2) Pyridine	2.610	79	243164	57.230	ppm		98
3) N-Nitrosodimethylamine	2.578	74	142554	55.162	ppm		98
4) 2-Picoline	3.192	93	235280	53.514	ppm		97
5) N-Nitrosomethylamine	3.278	42	93195	52.142	ppm		95
6) Methyl Methansulfonate	3.518	80	106880	53.365	ppm		99
8) N-Nitrosodiethylamine	3.828	102	105601	53.787	ppm		92
9) Ethyl Mathanesulfonate	4.074	79	174591	51.587	ppm		98
10) Benzaldehyde	4.362	106	151652	53.556	ppm		98
11) Aniline	4.453	93	338707	53.651	ppm		97
13) Phenol	4.437	94	289294	53.474	ppm		98
14) bis(2-Clethyl)Ether	4.496	93	192312	51.376	ppm		98
15) Pentachloroethane	4.490	117	78549	52.117	ppm		96
16) 2-Chlorophenol	4.560	128	228057	53.665	ppm		97
17) 1,3-Diclbzene	4.682	146	233373	52.769	ppm		99
18) 1,4-Dichlorobenzene	4.747	146	236137	52.175	ppm		96
19) 1,2-Diclbzene	4.885	146	222261	51.397	ppm		99
20) Benzyl Alcohol	4.859	79	157420	54.695	ppm		93
21) 1-Methyl-2-pyrrolidinone	4.885	99	145636	55.365	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	187574	52.150	ppm	#	85
23) 2-Methylphenol	4.966	108	198873	52.155	ppm		95
24) 3+4-Methylphenol	5.104	108	223412	51.784	ppm		96
25) Acetophenone	5.094	105	277229	51.734	ppm		99
26) N-Nitroso-Di-n-propyla...	5.088	70	151454	52.404	ppm		98
27) N-Nitrosopyrrolidine	5.088	100	110793	52.719	ppm		77
28) N-Nitrosomorpholine	5.120	56	106083	51.281	ppm		97
29) o-Toluidine	5.126	106	312542	52.521	ppm		98
30) Hexachloroethane	5.185	117	90494	51.947	ppm		99
31) o,o,o-Triethylphosphor...	5.628	198	93584	51.581	ppm		87
32) Alpha-terpinol	5.927	121	74018	52.357	ppm		97
35) Nitrobenzene	5.254	77	222556	51.368	ppm		99
36) N-Nitrosopiperidine	5.393	42	121121	51.427	ppm		97
37) Isophorone	5.468	82	374516	51.853	ppm		99
38) 2-Nitrophenol	5.548	139	118531	52.871	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR843.D
 Acq On : 30 Apr 2019 12:00 pm
 Operator : JMisiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	210797	52.212	ppm	94
40) bis(-2-Chloroethoxy)Me...	5.665	93	226533	53.345	ppm	99
41) Benzoic Acid	5.681	105	73824	50.003	ppm	99
42) 2,4-Dichlorophenol	5.783	162	173514	54.261	ppm	96
43) a,a-Dimethylphenethyla...	5.868	58	453701m	56.270	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	171319	50.811	ppm	99
45) Naphthalene	5.927	128	590082	50.359	ppm	99
46) 4-Chloroaniline	5.986	127	246095	50.192	ppm	99
47) 2,6-Dichlorophenol	5.991	162	170509	50.990	ppm	90
48) Hexachlorobutadiene	6.028	225	86233	50.477	ppm	97
49) Hexachloropropene	5.996	213	112089	52.512	ppm	98
50) 4-Chloro-3-methylphenol	6.466	107	162550	50.978	ppm	# 64
51) N-N-di-n-butylamine	6.290	84	129320	51.055	ppm	98
52) Caprolactam	6.333	113	62461	49.277	ppm	90
53) p-Phenylenediamine	6.338	80	44084	52.662	ppm	98
54) Safrole	6.498	162	155842	51.814	ppm	97
55) 2-Methylnaphthalene	6.589	142	380698	50.200	ppm	96
56) 1-Methylnaphthalene	6.685	142	359083	50.613	ppm	99
58) Hexachlorocyclopentadiene	6.728	237	71238	51.359	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.749	216	157122	52.291	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.033	216	164784	52.081	ppm	97
61) 2,4,6-Trichlorophenol	6.878	196	105353	55.356	ppm	96
62) 2,4,5-Trichlorophenol	6.926	196	107718	52.623	ppm	97
64) Isosafrole	7.011	104	67437	51.361	ppm	92
65) 1,1'-Biphenyl	7.043	154	466049	51.531	ppm	99
66) 2-Chloronaphthalene	7.070	162	339546	51.943	ppm	99
67) 2-Nitroaniline	7.182	65	97208	52.023	ppm	94
68) 1,4-Naphthoquinone	7.257	158	113203	55.164	ppm	88
69) m-Dinitrobenzene	7.401	168	65665	51.129	ppm	93
70) Acenaphthylene	7.476	152	544676	52.021	ppm	98
71) Dimethyl phthalate	7.348	163	377190	49.353	ppm	99
72) 2,6-Dinitrotoluene	7.417	165	88827	51.195	ppm	97
73) Acenaphthene	7.647	153	375171	51.509	ppm	99
74) 3-Nitroaniline	7.593	138	103780	52.031	ppm	98
75) 2,4-Dinitrophenol	7.700	184	31154	54.900	ppm	86
76) Dibenzofuran	7.818	168	470226	52.282	ppm	97
77) 2,4-Dinitrotoluene	7.818	165	121270	52.921	ppm	95
78) 4-Nitrophenol	7.807	65	70138	52.611	ppm	# 53
79) Pentachlorobenzene	7.770	250	126121	52.375	ppm	100
80) 1-Naphthylamine	7.903	143	239726	50.612	ppm	99
81) 2-Naphthylamine	7.983	143	301853	50.014	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.951	232	73574	52.599	ppm	91
83) Fluorene	8.154	166	378292	51.155	ppm	98
84) 4-Chlorophenyl-phenyle...	8.149	204	153366	51.407	ppm	96
85) Diethylphthalate	8.037	149	381341	50.383	ppm	99
86) 4-Nitroaniline	8.202	138	104981	53.360	ppm	96
87) 5-Nitro-o-toluidine	8.186	152	117376	52.553	ppm	95
89) Sulfotepp	8.416	322	47300	50.071	ppm	91
90) Octachlorocyclopentene	8.395	307	51376	53.425	ppm	98
92) Thionazin	8.117	107	62619	51.449	ppm	98
93) 4,6-Dinitro-2-methylph...	8.224	198	64656	54.067	ppm	97
94) Diphenylamine	8.277	169	565644	103.181	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	371577	53.705	ppm	96
96) N-Nitrosodiphenylamine	8.277	169	565644	103.181	ppm	98
97) 1,3,5-Trinitrobenzene	8.597	74	54699	55.283	ppm	94
98) Diallate	8.544	86	138539	49.545	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

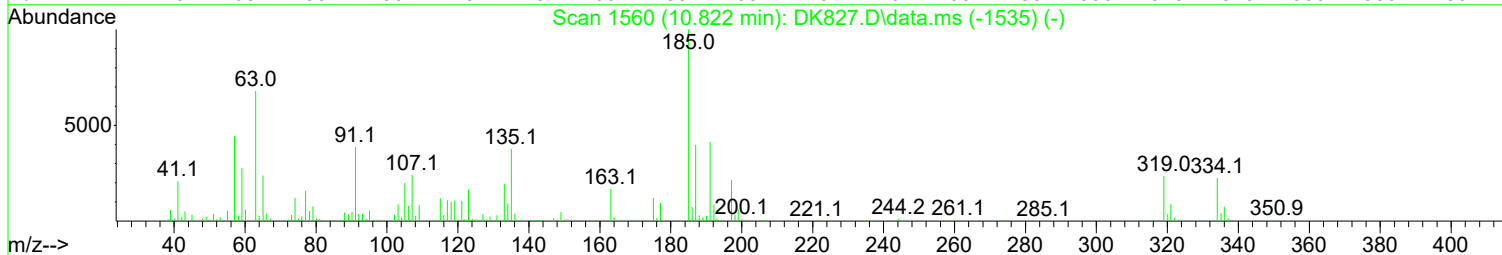
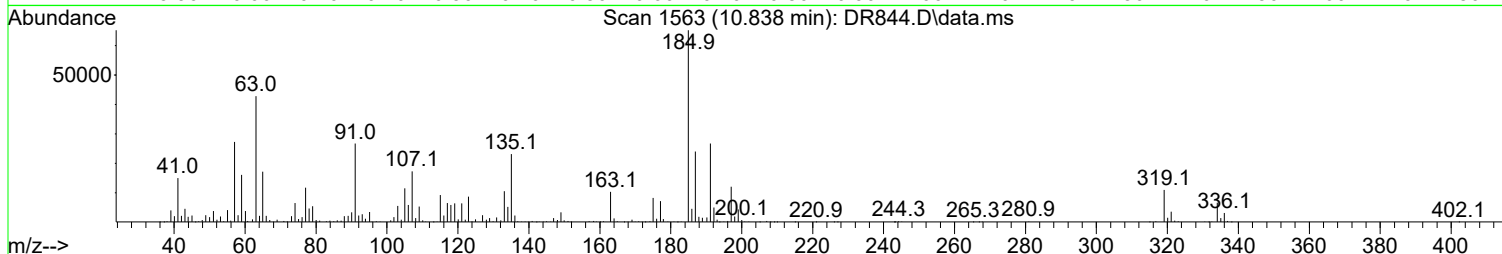
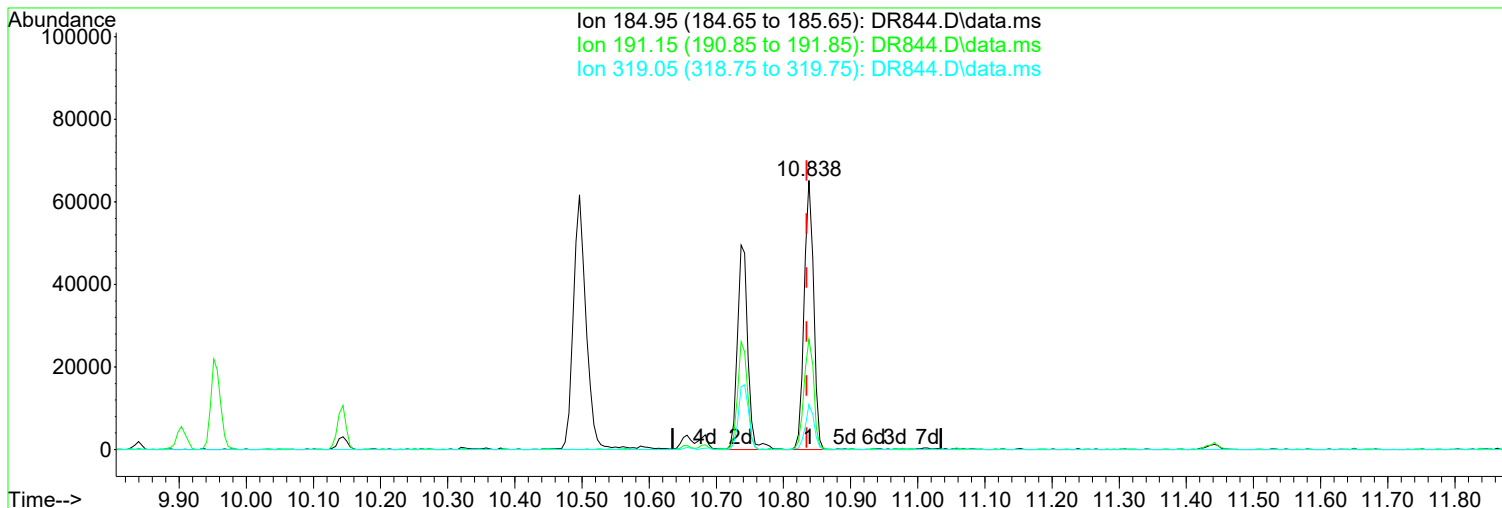
Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	71025	49.497	ppm	97
100) Phenacetin	8.603	108	198196	54.826	ppm	97
101) 4-Bromophenyl-phenylether	8.635	248	82693	50.977	ppm	96
102) Hexachlorobenzene	8.694	284	91221	50.006	ppm	98
103) Dimethoate	8.752	87	131387	55.428	ppm	97
104) Atrazine	8.806	215	48849	55.071	ppm	96
105) Pentachlorophenol	8.907	266	32963	53.349	ppm	98
106) 4-Aminobiphenyl	8.902	169	313308	56.245	ppm	99
107) Pentachloronitrobenzene	8.902	237	37979	56.355	ppm	98
108) Pronamide	8.955	173	177995	56.116	ppm	96
109) Dinoseb	9.073	211	85017	54.014	ppm	98
110) Disulfoton	9.078	88	179076	49.797	ppm	97
111) Phenanthrene	9.110	178	509880	51.970	ppm	99
112) Anthracene	9.164	178	511848	52.507	ppm	98
113) Carbazole	9.329	167	518965	54.197	ppm	99
114) Di-n-butylphthalate	9.650	149	691327	55.856	ppm	98
115) 4-Nitroquinonline-1-oxide	9.901	190	30376	52.343	ppm	86
116) Fluoranthene	10.323	202	544361	54.197	ppm	99
118) Methyl Parathion	9.457	109	123379	53.973	ppm	90
119) Ethyl Parathion	9.837	97	92173	53.969	ppm	97
120) Methapyrilene	9.949	58	136127	54.790	ppm	99
121) Isodrin	10.141	193	54114	51.330	ppm	90
122) Benzidine	10.499	184	378125	55.889	ppm	99
123) Pyrene	10.590	202	566160	53.472	ppm	99
125) Aramite	10.835	185	77165m	53.181	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	173681	55.216	ppm	91
127) Chlorobenzilate	11.012	139	197095	53.636	ppm	93
128) Butyl benzyl phthalate	11.444	149	312570	53.216	ppm	97
129) 3,3-Dimethylbenzidine	11.439	212	342581	53.195	ppm	97
130) 2-Acetylaminofluorene	11.839	181	245928	52.426	ppm	99
131) 3,3'-Dichlorobenzidine	12.315	252	200153	52.188	ppm	99
132) Benzo(a)anthracene	12.336	228	502187	51.293	ppm	100
133) Chrysene	12.406	228	465026	51.629	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.406	149	425392	52.623	ppm	98
136) Di-n-octyl phthalate	13.730	149	704356	53.968	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	224365	53.968	ppm	99
138) Benzo(b)Fluoranthene	14.467	252	496783	54.283	ppm	99
139) Benzo(k)fluoranthene	14.526	252	463822	53.511	ppm	97
140) Benzo(a)pyrene	15.172	252	430163	54.656	ppm	98
141) 3-Methylcholanthrene	15.947	268	252152	54.703	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.255	276	409665	53.077	ppm	99
143) Dibenz(a,h)anthracene	17.303	278	434314	53.705	ppm	99
144) Benzo(g,h,i)perylene	17.715	276	351651	52.862	ppm	99

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.838min (+ 0.003) 81.76 ppm m

After

response 116877

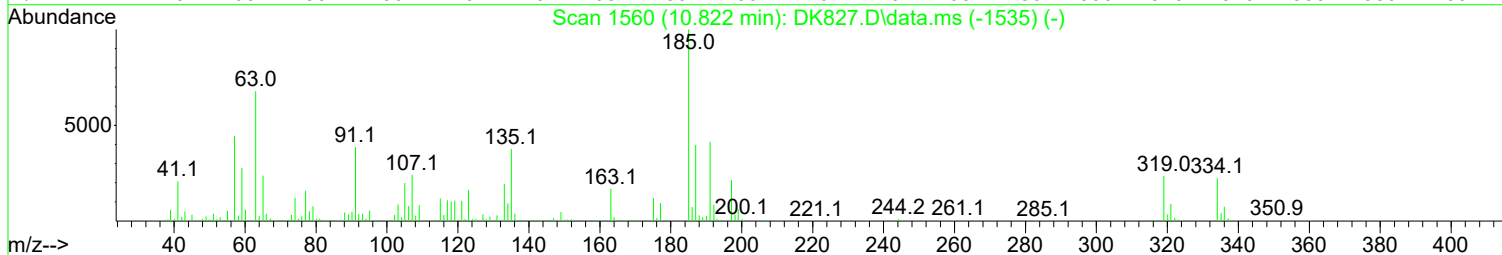
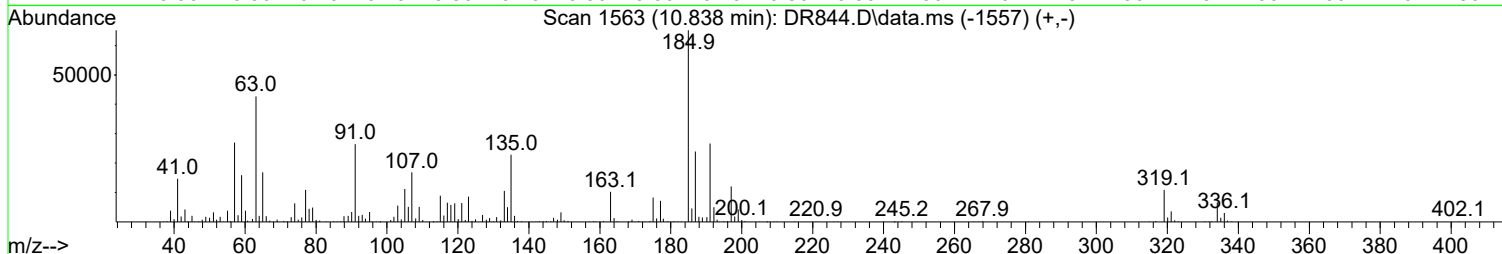
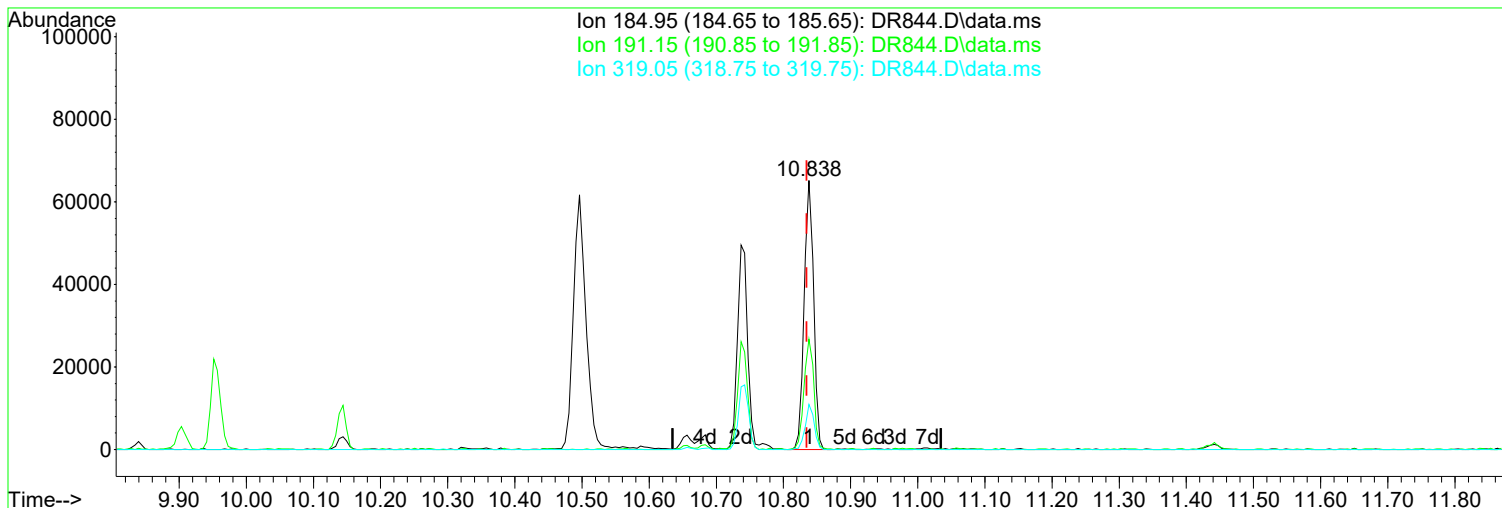
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.00
319.05	16.80	16.77
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.838min (+ 0.003) 44.41 ppm

Before

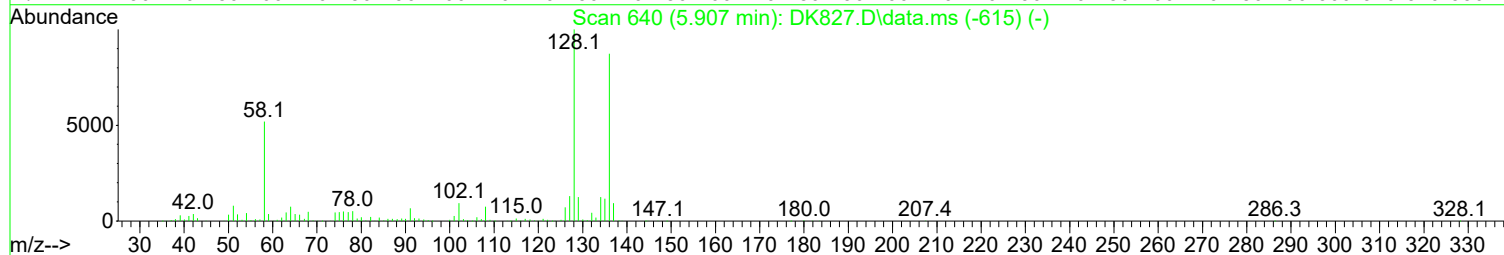
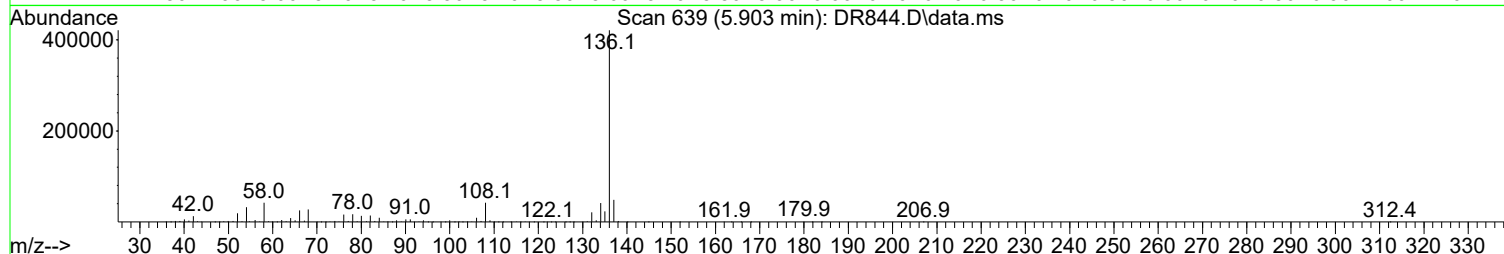
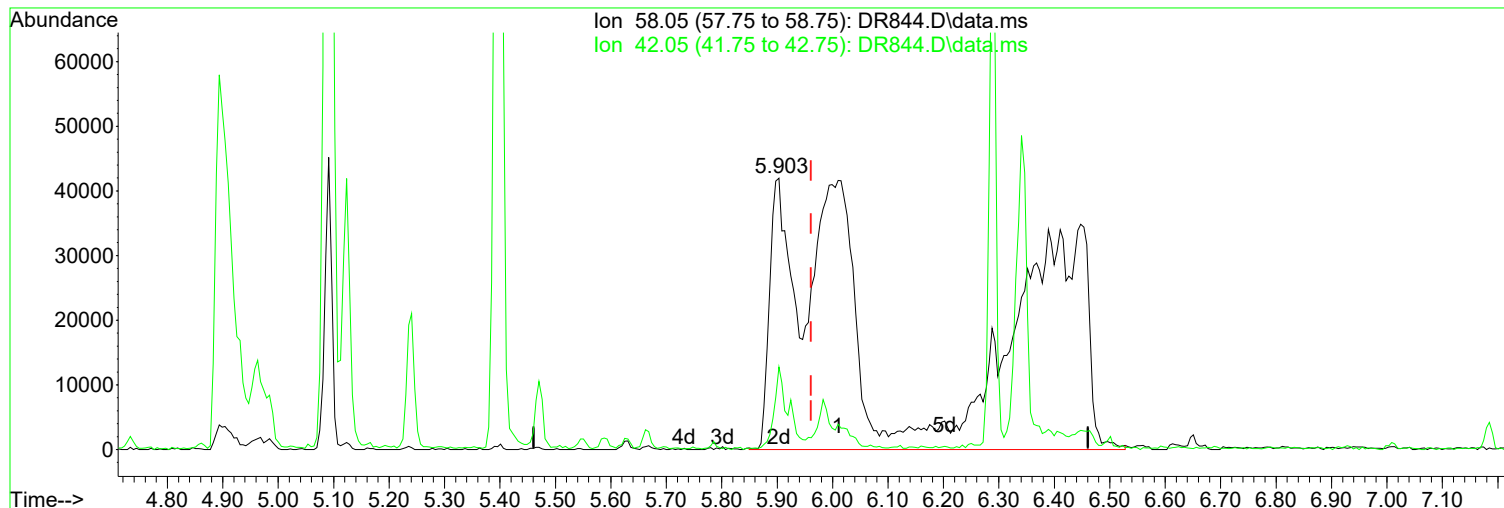
response 63484

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.87
319.05	16.80	16.77
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.903min (-0.058) 84.84 ppm m

After

response 659304

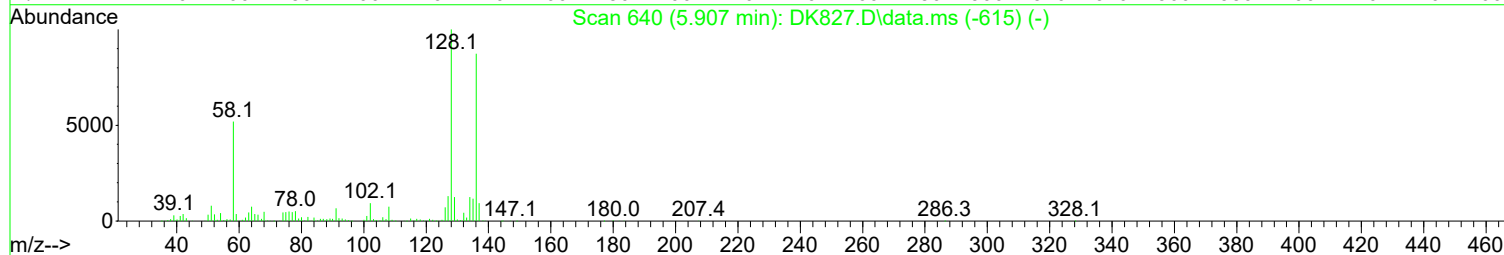
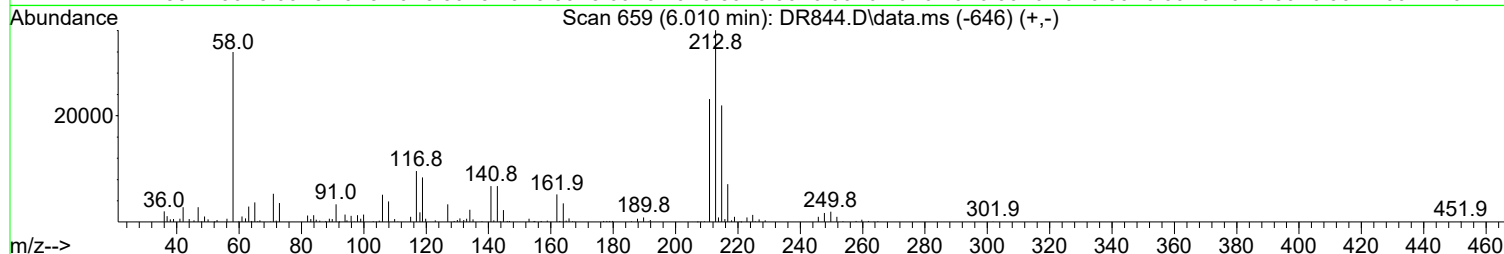
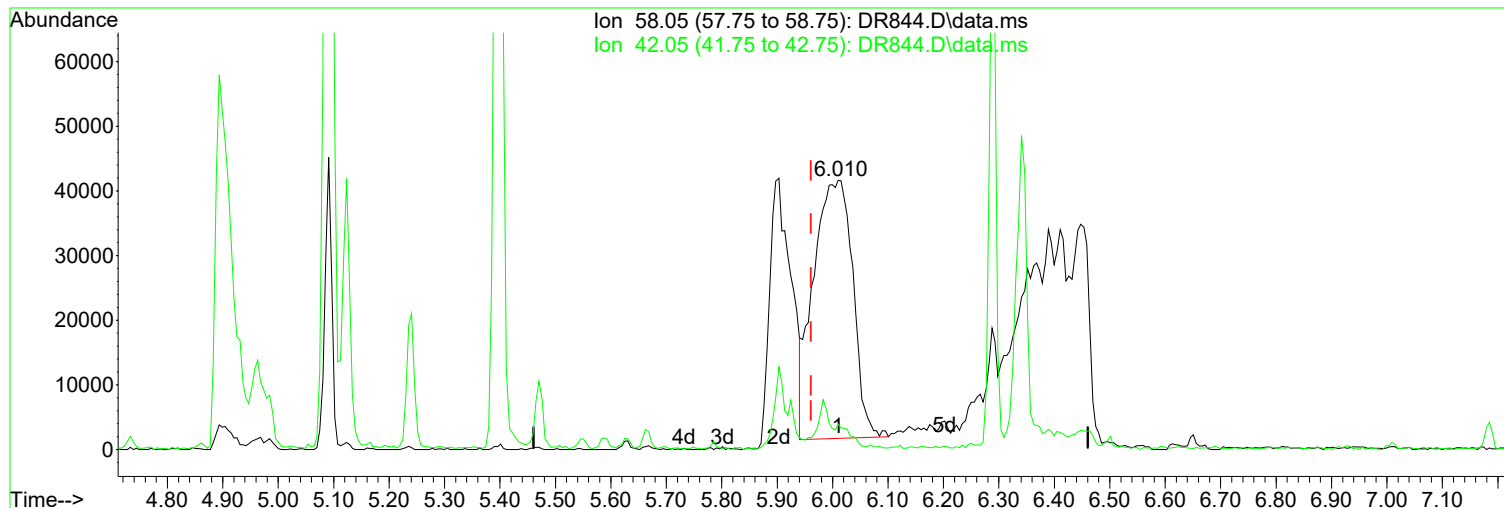
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.010min (+ 0.049) 25.28 ppm

Before

response 196453

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.84
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	111094	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	409743	40.00	ppm	0.00	
57) d10-Acenaphthene	7.612	164	205062	40.00	ppm	0.00	
91) d10-Phenanthrene	9.086	188	318535	40.00	ppm	0.00	
117) d12-Chrysene	12.360	240	284078	40.00	ppm	0.00	
135) d12-Perylene	15.298	264	284491	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	328643	81.33	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	81.33%#	
12) SURR2,PHENOL-D6	4.424	99	408099	82.21	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	82.21%	
34) SURR4,NITROBENZENE-D5	5.241	82	330150	79.40	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	158.80%#	
63) SURR5,2-FLUOROBIPHENYL	6.944	172	609960	78.22	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	156.44%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	65942	78.53	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	78.53%	
124) SURR6,TERPHENYL-D14	10.774	244	545637	81.53	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	163.06%	
Target Compounds							
							Qvalue
2) Pyridine	2.608	79	376380	88.267	ppm		100
3) N-Nitrosodimethylamine	2.581	74	220543	85.036	ppm		100
4) 2-Picoline	3.190	93	361943	82.030	ppm		100
5) N-Nitrosomethylamine	3.281	42	141006	78.611	ppm		100
6) Methyl Methansulfonate	3.521	80	164037	81.611	ppm		100
8) N-Nitrosodiethylamine	3.831	102	160555	81.486	ppm		100
9) Ethyl Mathanesulfonate	4.076	79	264634	77.913	ppm		100
10) Benzaldehyde	4.365	106	219717	77.316	ppm		100
11) Aniline	4.456	93	516077	81.455	ppm		100
13) Phenol	4.434	94	441888	81.389	ppm		100
14) bis(2-Clethyl)Ether	4.493	93	294432	78.376	ppm		100
15) Pentachloroethane	4.493	117	121611	80.401	ppm		100
16) 2-Chlorophenol	4.562	128	346574	81.264	ppm		100
17) 1,3-Diclbzene	4.685	146	355705	80.143	ppm		100
18) 1,4-Dichlorobenzene	4.749	146	367639	80.941	ppm		100
19) 1,2-Diclbzene	4.883	146	345901	79.703	ppm		100
20) Benzyl Alcohol	4.861	79	234795	81.288	ppm		100
21) 1-Methyl-2-pyrrolidinone	4.894	99	218447	82.749	ppm		100
22) 2,2'-oxybis(1-Chloropr...	4.963	45	287632	79.683	ppm		100
23) 2-Methylphenol	4.974	108	299664	78.308	ppm		100
24) 3+4-Methylphenol	5.107	108	346543	80.038	ppm		100
25) Acetophenone	5.096	105	418092	77.743	ppm		100
26) N-Nitroso-Di-n-propyla...	5.091	70	221412	76.337	ppm		100
27) N-Nitrosopyrrolidine	5.096	100	168207	79.753	ppm		100
28) N-Nitrosomorpholine	5.123	56	156895	75.574	ppm		100
29) o-Toluidine	5.129	106	466192	78.062	ppm		100
30) Hexachloroethane	5.182	117	137561	78.684	ppm		100
31) o,o,o-Triethylphosphor...	5.631	198	143394	78.753	ppm		100
32) Alpha-terpinol	5.924	121	110881	78.152	ppm		100
35) Nitrobenzene	5.257	77	329303	78.862	ppm		100
36) N-Nitrosopiperidine	5.396	42	179943	79.271	ppm		100
37) Isophorone	5.470	82	558994	80.302	ppm		100
38) 2-Nitrophenol	5.545	139	179504	83.076	ppm		100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	322041	82.762	ppm	100
40) bis(-2-Chloroethoxy)Me...	5.663	93	332522	81.244	ppm	100
41) Benzoic Acid	5.695	105	134604	80.159	ppm	94
42) 2,4-Dichlorophenol	5.785	162	259076	84.060	ppm	100
43) a,a-Dimethylphenethyla...	5.903	58	659304m	84.841	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	264242	81.315	ppm	100
45) Naphthalene	5.924	128	902601	79.924	ppm	100
46) 4-Chloroaniline	5.983	127	385441	81.565	ppm	100
47) 2,6-Dichlorophenol	5.988	162	260909	80.954	ppm	100
48) Hexachlorobutadiene	6.026	225	131095	79.619	ppm	100
49) Hexachloropropene	5.999	213	168191	81.754	ppm	100
50) 4-Chloro-3-methylphenol	6.469	107	254044	82.664	ppm	100
51) N-N-di-n-butylamine	6.288	84	194414	79.637	ppm	100
52) Caprolactam	6.346	113	93444	76.490	ppm	100
53) p-Phenylenediamine	6.341	80	67932	84.199	ppm	100
54) Safrole	6.501	162	236369	81.539	ppm	100
55) 2-Methylnaphthalene	6.592	142	592802	81.105	ppm	100
56) 1-Methylnaphthalene	6.688	142	542246	79.301	ppm	100
58) Hexachlorocyclopentadiene	6.731	237	117190	80.716	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.752	216	238205	78.926	ppm	100
60) 1,2,3,4-Tetrachloroben...	7.030	216	251337	79.086	ppm	100
61) 2,4,6-Trichlorophenol	6.875	196	155958	81.585	ppm	100
62) 2,4,5-Trichlorophenol	6.928	196	168305	81.859	ppm	100
64) Isosafrole	7.009	104	101971	77.320	ppm	# 62
65) 1,1'-Biphenyl	7.046	154	717251	78.956	ppm	100
66) 2-Chloronaphthalene	7.073	162	512823	78.105	ppm	100
67) 2-Nitroaniline	7.185	65	141128	75.195	ppm	100
68) 1,4-Naphthoquinone	7.254	158	172344	83.613	ppm	100
69) m-Dinitrobenzene	7.398	168	101285	78.517	ppm	100
70) Acenaphthylene	7.479	152	821644	78.128	ppm	100
71) Dimethyl phthalate	7.345	163	572844	74.623	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	132813	76.208	ppm	100
73) Acenaphthene	7.644	153	575749	78.700	ppm	100
74) 3-Nitroaniline	7.596	138	158445	79.087	ppm	100
75) 2,4-Dinitrophenol	7.708	184	54555	82.677	ppm	100
76) Dibenzofuran	7.815	168	715203	79.169	ppm	100
77) 2,4-Dinitrotoluene	7.820	165	183798	79.854	ppm	100
78) 4-Nitrophenol	7.810	65	110328	82.393	ppm	100
79) Pentachlorobenzene	7.772	250	190494	78.758	ppm	100
80) 1-Naphthylamine	7.906	143	361879	76.065	ppm	100
81) 2-Naphthylamine	7.986	143	463730	76.496	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.949	232	116398	82.848	ppm	100
83) Fluorene	8.157	166	564935	76.057	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	233614	77.960	ppm	100
85) Diethylphthalate	8.039	149	588104	77.358	ppm	100
86) 4-Nitroaniline	8.210	138	164156	83.070	ppm	100
87) 5-Nitro-o-toluidine	8.189	152	181063	80.711	ppm	100
89) Sulfotepp	8.419	322	73608	77.577	ppm	100
90) Octachlorocyclopentene	8.397	307	79068	81.859	ppm	100
92) Thionazin	8.120	107	95217	76.193	ppm	100
93) 4,6-Dinitro-2-methylph...	8.226	198	100320	81.703	ppm	100
94) Diphenylamine	8.274	169	873772	155.233	ppm	100
95) 1,2 Diphenylhydrazine	8.312	77	530964	74.741	ppm	100
96) N-Nitrosodiphenylamine	8.274	169	873772	155.233	ppm	100
97) 1,3,5-Trinitrobenzene	8.600	74	82701	81.405	ppm	99
98) Diallate	8.547	86	211831	73.782	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

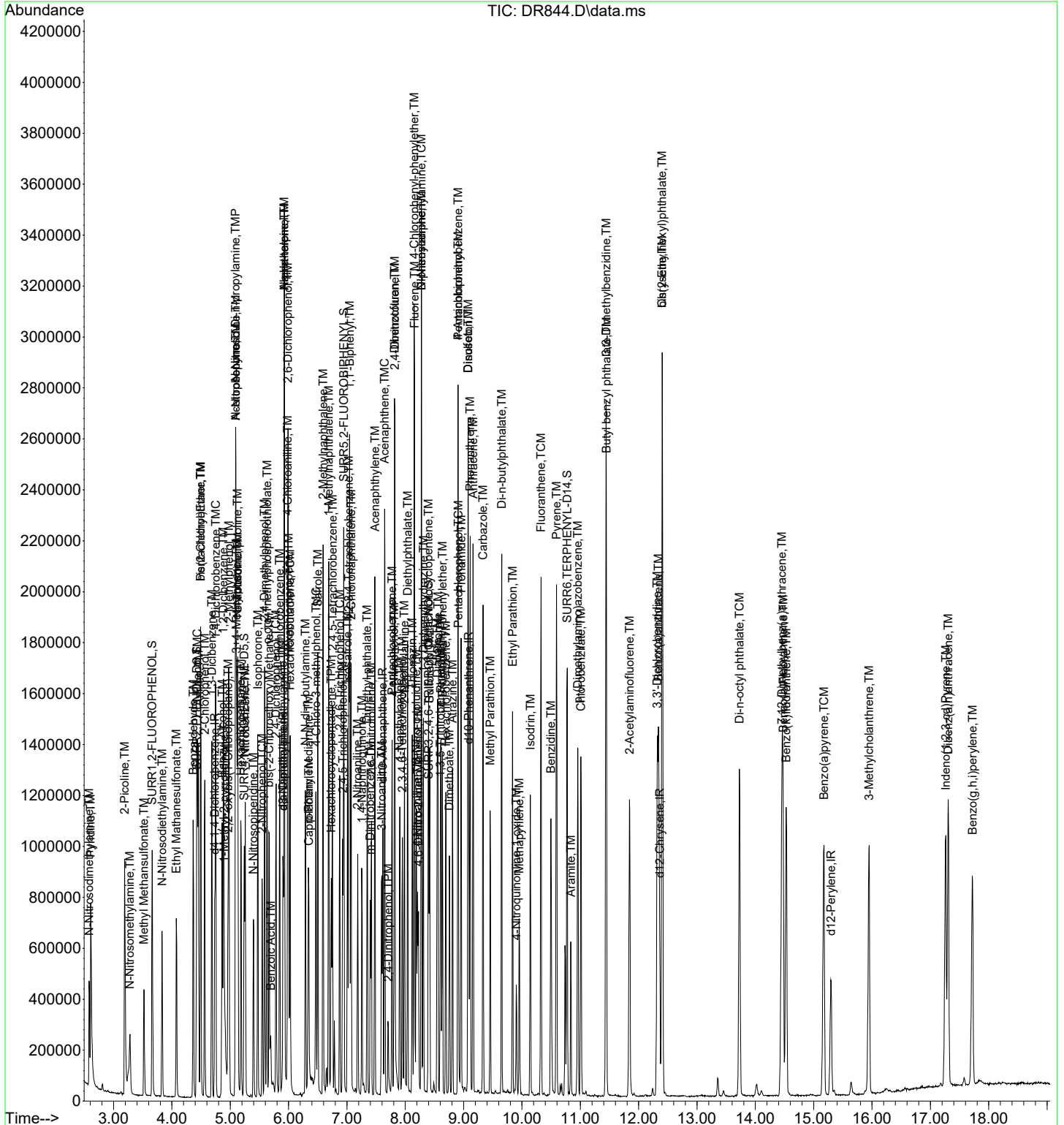
Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.557	121	111891	75.944	ppm	100
100) Phenacetin	8.611	108	297716	80.209	ppm	100
101) 4-Bromophenyl-phenylether	8.638	248	127565	76.589	ppm	100
102) Hexachlorobenzene	8.696	284	140131	74.815	ppm	100
103) Dimethoate	8.755	87	186500	76.628	ppm	100
104) Atrazine	8.809	215	71495	78.500	ppm	100
105) Pentachlorophenol	8.910	266	56841	81.989	ppm	100
106) 4-Aminobiphenyl	8.905	169	462487	80.861	ppm	100
107) Pentachloronitrobenzene	8.905	237	56797	82.082	ppm	100
108) Pronamide	8.958	173	272179	83.573	ppm	100
109) Dinoseb	9.076	211	134438	83.187	ppm	100
110) Disulfoton	9.076	88	267536	72.456	ppm	100
111) Phenanthrene	9.113	178	785410	77.967	ppm	100
112) Anthracene	9.161	178	786077	78.536	ppm	100
113) Carbazole	9.332	167	791248	80.478	ppm	100
114) Di-n-butylphthalate	9.652	149	1008750	79.378	ppm	100
115) 4-Nitroquinonline-1-oxide	9.903	190	49818	83.608	ppm	100
116) Fluoranthene	10.325	202	835629	81.027	ppm	100
118) Methyl Parathion	9.455	109	183402	81.434	ppm	100
119) Ethyl Parathion	9.839	97	135214	80.357	ppm	100
120) Methapyrilene	9.952	58	195727	79.959	ppm	100
121) Isodrin	10.144	193	83187	80.091	ppm	100
122) Benzidine	10.496	184	562198	84.341	ppm	100
123) Pyrene	10.592	202	871472	83.541	ppm	100
125) Aramite	10.838	185	116877m	81.757	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	267727	86.391	ppm	100
127) Chlorobenzilate	11.009	139	302142	83.455	ppm	100
128) Butyl benzyl phthalate	11.447	149	468336	80.931	ppm	100
129) 3,3-Dimethylbenzidine	11.442	212	531704	83.799	ppm	100
130) 2-Acetylaminofluorene	11.842	181	388225	84.001	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	306168	81.027	ppm	100
132) Benzo(a)anthracene	12.339	228	773134	80.150	ppm	100
133) Chrysene	12.403	228	712779	80.322	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.403	149	645437	81.041	ppm	100
136) Di-n-octyl phthalate	13.728	149	1089722	80.711	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.454	256	354463	82.419	ppm	100
138) Benzo(b)Fluoranthene	14.475	252	769221	81.251	ppm	100
139) Benzo(k)fluoranthene	14.529	252	736138	82.097	ppm	100
140) Benzo(a)pyrene	15.175	252	662670	81.392	ppm	100
141) 3-Methylcholanthrene	15.950	268	389332	81.648	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.263	276	634202	79.429	ppm	100
143) Dibenz(a,h)anthracene	17.306	278	677770	81.016	ppm	100
144) Benzo(g,h,i)perylene	17.723	276	548987	79.777	ppm	100

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

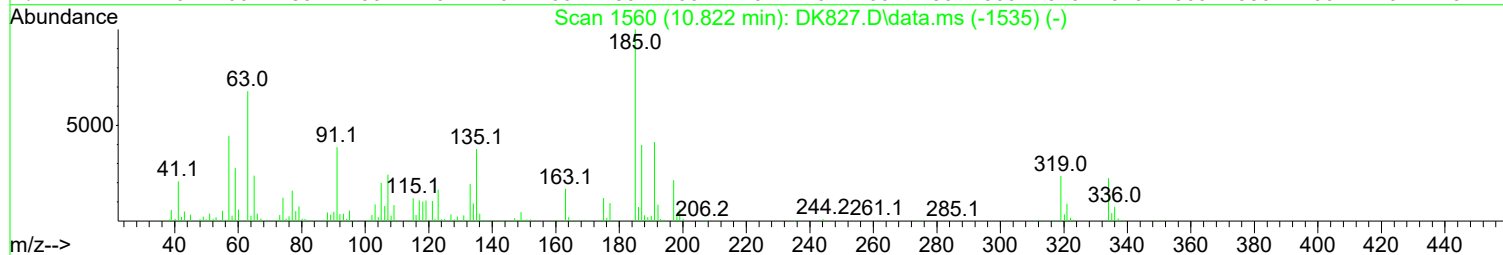
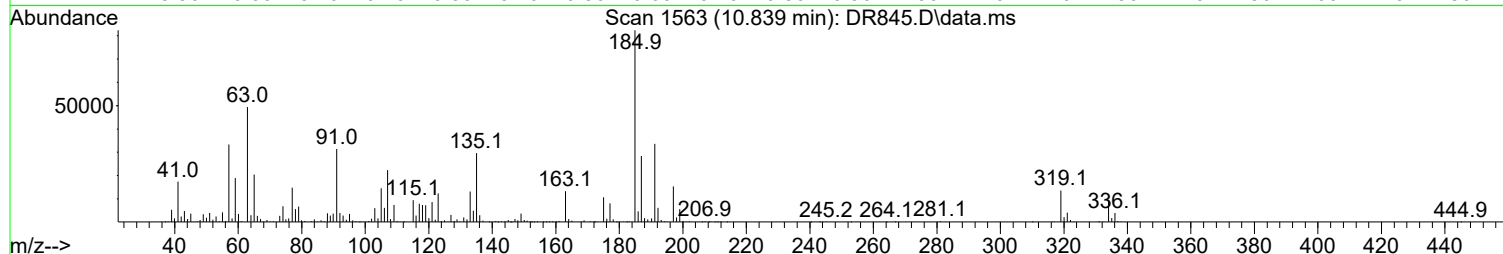
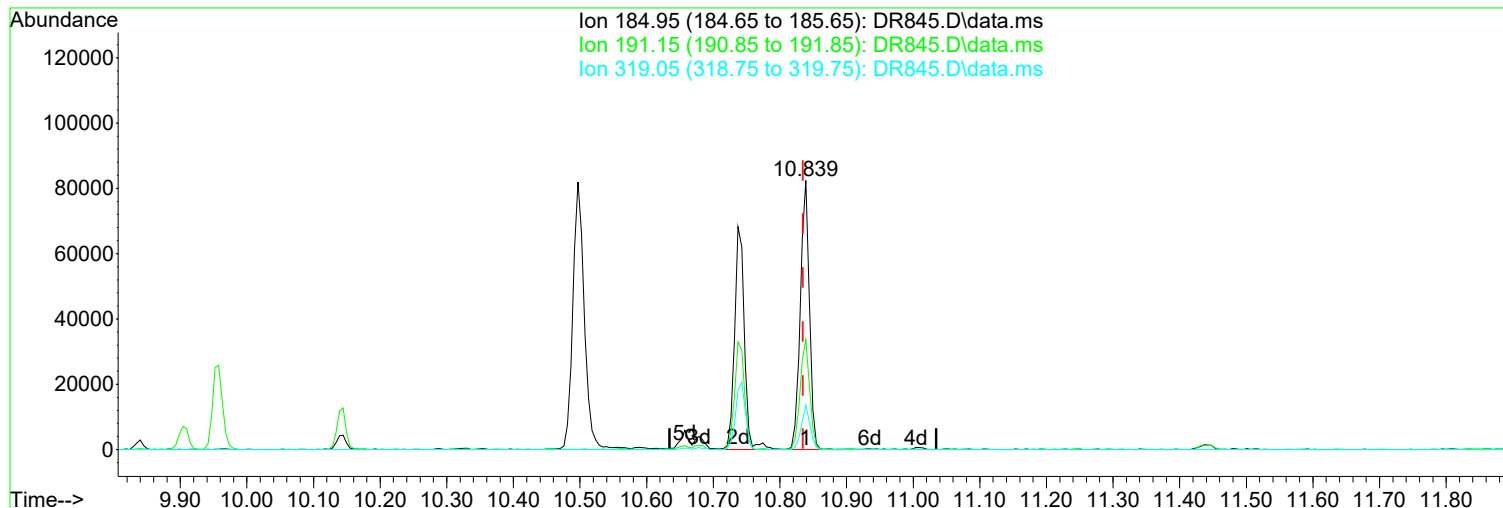
Data Path : I:\ACQDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 102.06 ppm m

After

response 147188

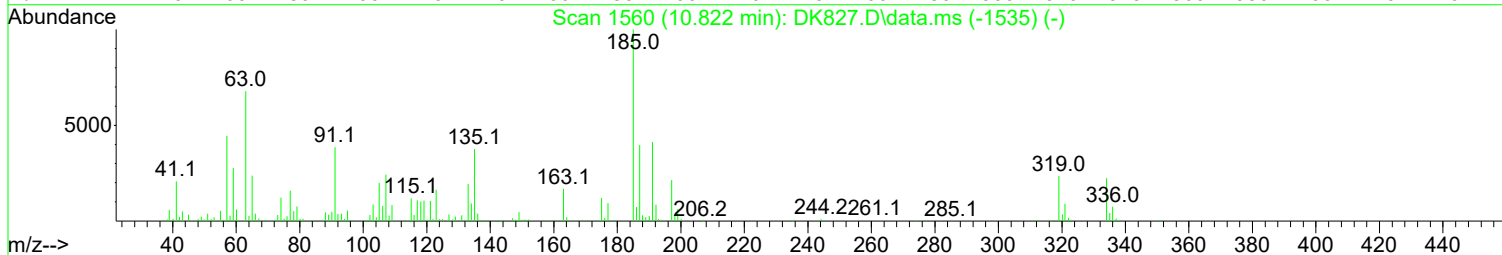
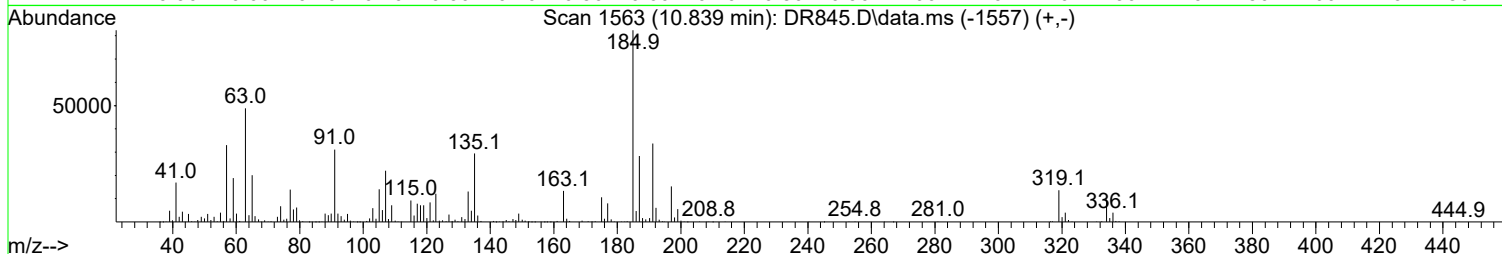
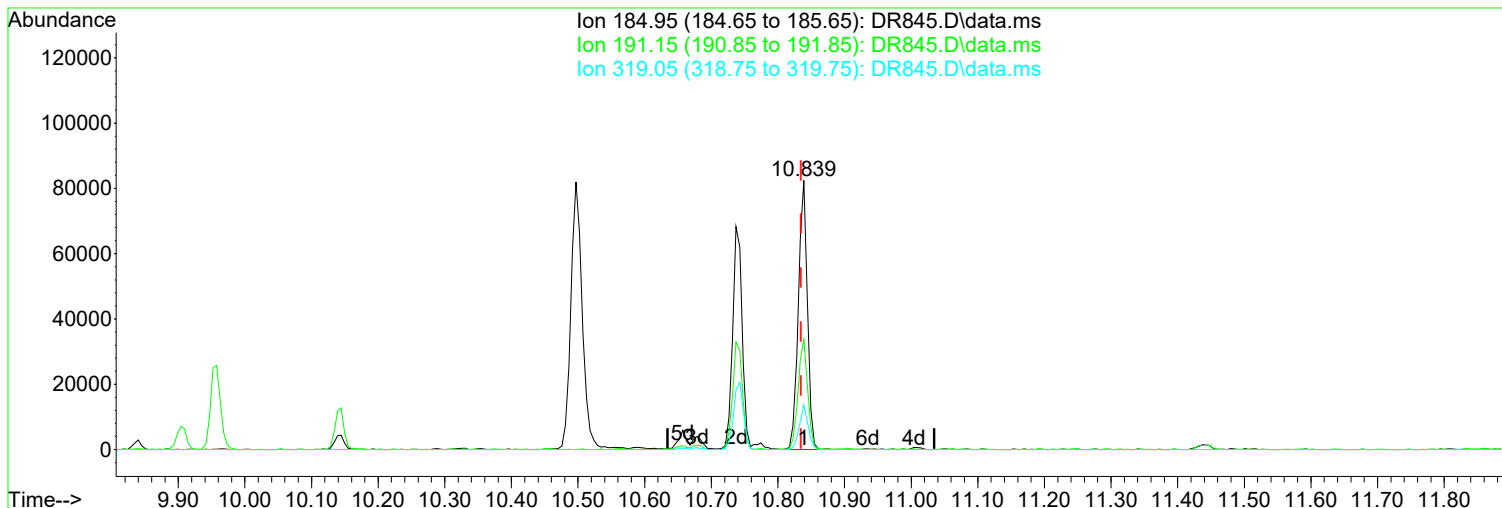
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.89
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 54.24 ppm

Before

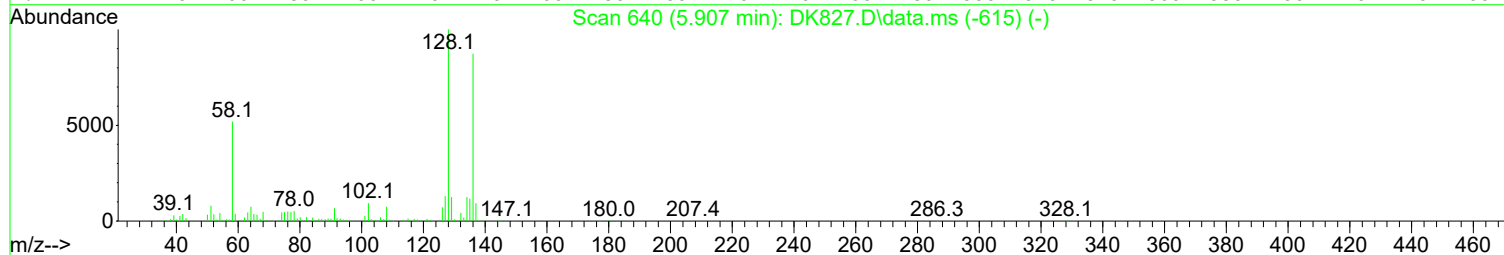
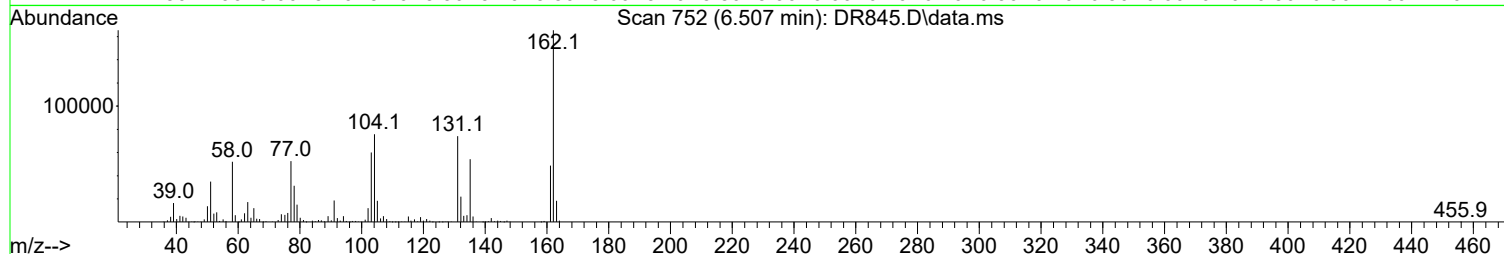
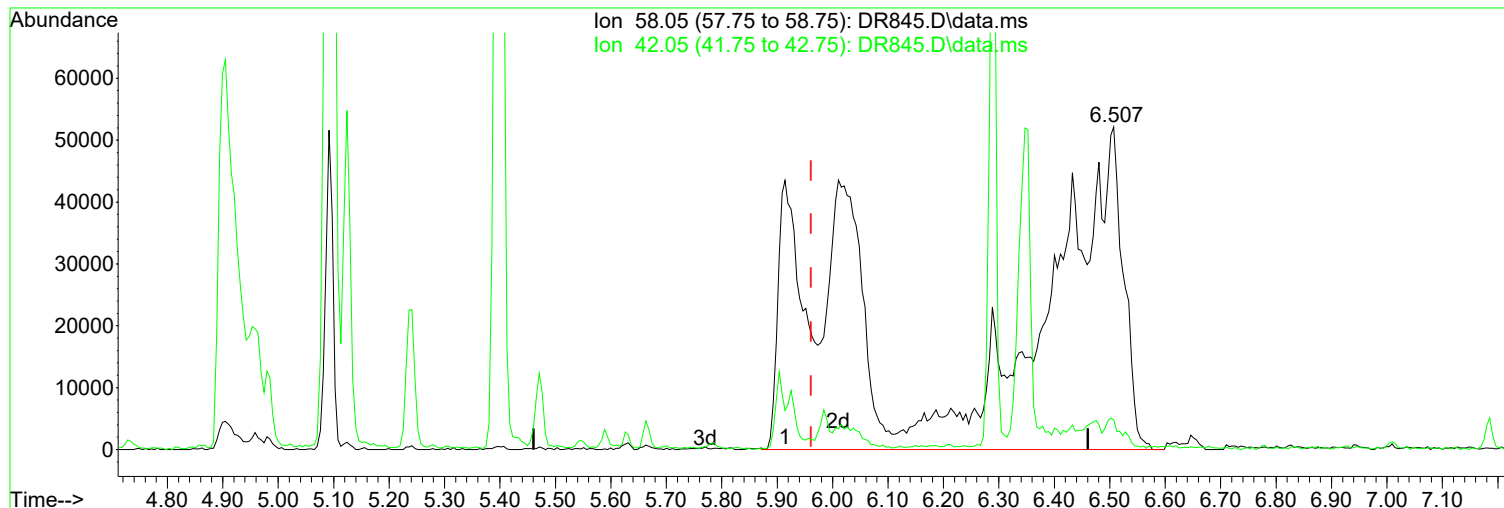
response 78224

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.65
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.507min (+ 0.546) 99.84 ppm m

After

response 796456

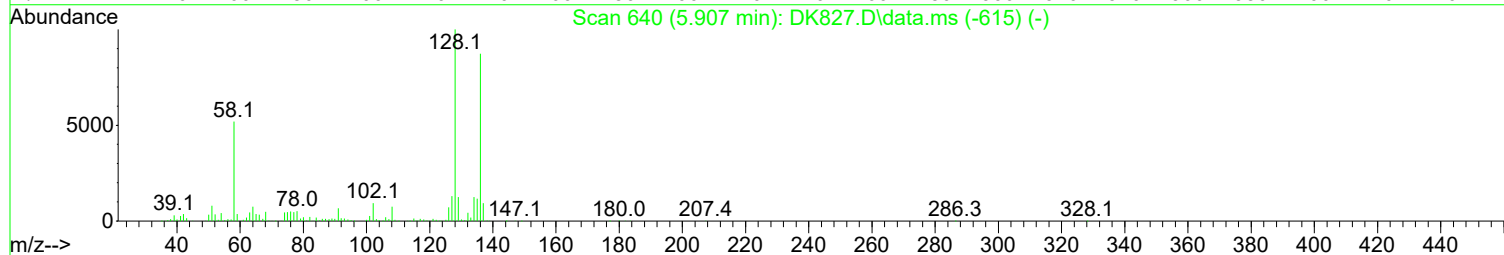
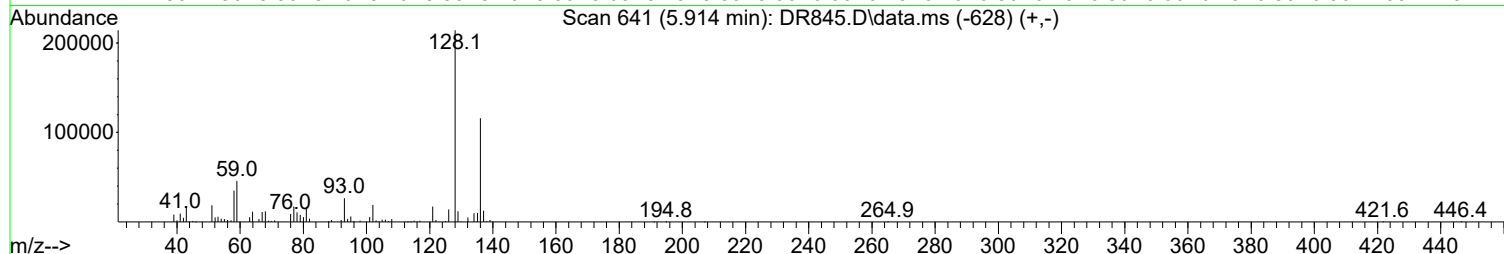
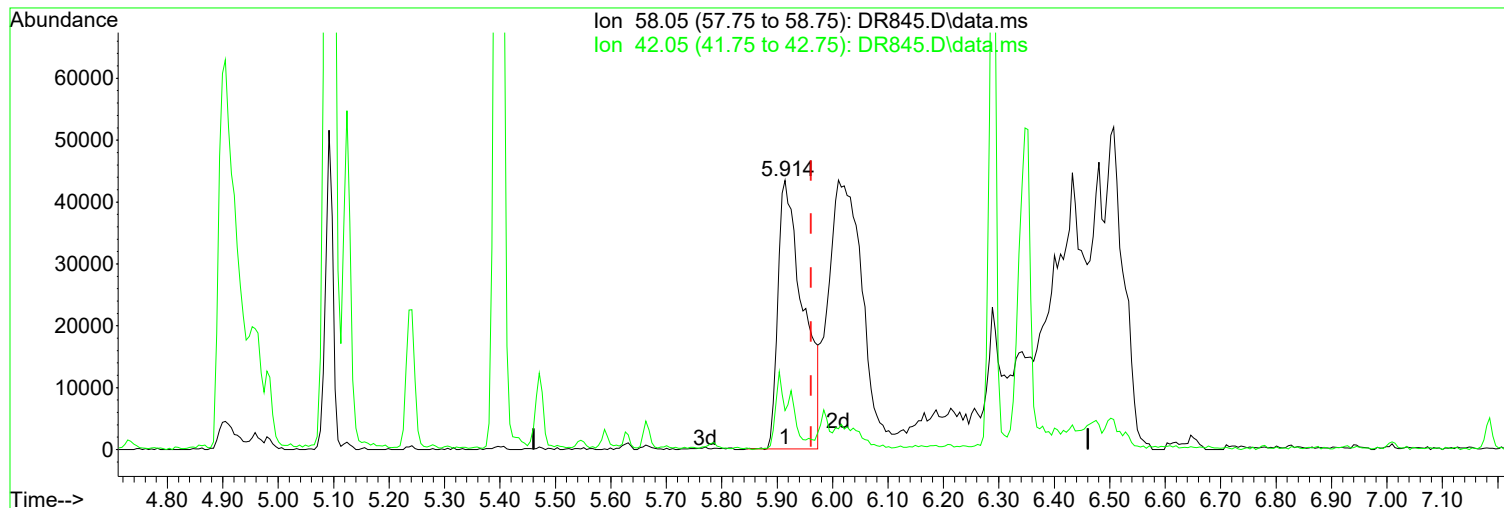
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.914min (-0.047) 17.09 ppm

Before

response 136308

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	13.79
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	109457	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	420623	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	206728	40.00	ppm	0.00
91) d10-Phenanthrene	9.087	188	321848	40.00	ppm	0.00
117) d12-Chrysene	12.361	240	286588	40.00	ppm	0.00
135) d12-Perylene	15.293	264	283552	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.660	112	397380	99.81	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	99.81%#
12) SURR2,PHENOL-D6	4.424	99	495554	101.31	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	101.31%
34) SURR4,NITROBENZENE-D5	5.241	82	399227	93.53	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	187.06%#
63) SURR5,2-FLUOROBIPHENYL	6.945	172	757488	96.36	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	192.72%#
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	82636	97.62	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	97.62%
124) SURR6,TERPHENYL-D14	10.775	244	685479	101.53	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	203.06%#

Target Compounds						Qvalue
2) Pyridine	2.608	79	445323	105.997	ppm	99
3) N-Nitrosodimethylamine	2.581	74	269479	105.459	ppm	96
4) 2-Picoline	3.190	93	427285	98.288	ppm	96
5) N-Nitrosomethylamine	3.276	42	171847	97.237	ppm	90
6) Methyl Methansulfonate	3.521	80	204172	103.098	ppm	97
8) N-Nitrosodiethylamine	3.831	102	195112	100.506	ppm	98
9) Ethyl Mathanesulfonate	4.077	79	322226	96.288	ppm	99
10) Benzaldehyde	4.365	106	266582	95.210	ppm	99
11) Aniline	4.456	93	631154	101.107	ppm	100
13) Phenol	4.435	94	531699	99.395	ppm	98
14) bis(2-Clethyl)Ether	4.494	93	352753	95.305	ppm	99
15) Pentachloroethane	4.488	117	145001	97.299	ppm	93
16) 2-Chlorophenol	4.563	128	420052	99.965	ppm	99
17) 1,3-Diclbzene	4.680	146	434762	99.420	ppm	99
18) 1,4-Dichlorobenzene	4.750	146	439505	98.210	ppm	97
19) 1,2-Diclbzene	4.883	146	424944	99.381	ppm	99
20) Benzyl Alcohol	4.862	79	297009	104.365	ppm	99
21) 1-Methyl-2-pyrrolidinone	4.905	99	266137	102.322	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.964	45	344701	96.921	ppm	96
23) 2-Methylphenol	4.980	108	360667	95.659	ppm	99
24) 3+4-Methylphenol	5.113	108	417136	97.783	ppm	98
25) Acetophenone	5.097	105	508872	96.038	ppm	98
26) N-Nitroso-Di-n-propyla...	5.092	70	278889	97.591	ppm	100
27) N-Nitrosopyrrolidine	5.097	100	202587	97.490	ppm	89
28) N-Nitrosomorpholine	5.124	56	195131	95.397	ppm	98
29) o-Toluidine	5.129	106	581032	98.747	ppm	93
30) Hexachloroethane	5.183	117	168352	97.737	ppm	98
31) o,o,o-Triethylphosphor...	5.631	198	177230	98.792	ppm	98
32) Alpha-terpinol	5.925	121	136732	97.814	ppm	97
35) Nitrobenzene	5.257	77	398508	92.966	ppm	98
36) N-Nitrosopiperidine	5.396	42	225618	96.822	ppm	94
37) Isophorone	5.471	82	684183	95.744	ppm	99
38) 2-Nitrophenol	5.546	139	219228	98.836	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	389988	97.632	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.663	93	407625	97.018	ppm	99
41) Benzoic Acid	5.701	105	181841	100.750	ppm	98
42) 2,4-Dichlorophenol	5.786	162	316719	100.105	ppm	99
43) a,a-Dimethylphenethyla...	6.507	58	796456m	99.839	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	322841	96.777	ppm	98
45) Naphthalene	5.925	128	1106685	95.460	ppm	99
46) 4-Chloroaniline	5.984	127	472643	97.432	ppm	98
47) 2,6-Dichlorophenol	5.989	162	330909	100.018	ppm	97
48) Hexachlorobutadiene	6.026	225	159911	94.608	ppm	100
49) Hexachloropropene	6.000	213	204175	96.678	ppm	99
50) 4-Chloro-3-methylphenol	6.470	107	309999	98.262	ppm	85
51) N-N-di-n-butylamine	6.288	84	240177	95.838	ppm	96
52) Caprolactam	6.352	113	118294	94.327	ppm	98
53) p-Phenylenediamine	6.342	80	79871	96.437	ppm	93
54) Safrole	6.502	162	301477	101.310	ppm	95
55) 2-Methylnaphthalene	6.593	142	721249	96.126	ppm	98
56) 1-Methylnaphthalene	6.689	142	678178	96.615	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	151756	101.110	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.753	216	299645	98.483	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.031	216	312004	97.384	ppm	99
61) 2,4,6-Trichlorophenol	6.876	196	199664	103.607	ppm	93
62) 2,4,5-Trichlorophenol	6.929	196	211791	102.179	ppm	97
64) Isosafrole	7.009	104	127160	95.643	ppm	98
65) 1,1'-Biphenyl	7.047	154	886702	96.823	ppm	99
66) 2-Chloronaphthalene	7.068	162	634011	95.784	ppm	98
67) 2-Nitroaniline	7.185	65	173788	91.851	ppm	98
68) 1,4-Naphthoquinone	7.255	158	199712	96.109	ppm	84
69) m-Dinitrobenzene	7.399	168	130927	100.677	ppm	100
70) Acenaphthylene	7.479	152	1021941	96.391	ppm	100
71) Dimethyl phthalate	7.346	163	711077	91.884	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	174278	99.195	ppm	96
73) Acenaphthene	7.645	153	709785	96.239	ppm	99
74) 3-Nitroaniline	7.597	138	200747	99.394	ppm	96
75) 2,4-Dinitrophenol	7.704	184	73107	101.037	ppm	94
76) Dibenzofuran	7.816	168	883878	97.051	ppm	98
77) 2,4-Dinitrotoluene	7.821	165	233202	100.502	ppm	92
78) 4-Nitrophenol	7.810	65	131899	97.708	ppm	# 62
79) Pentachlorobenzene	7.773	250	241221	98.927	ppm	98
80) 1-Naphthylamine	7.907	143	445596	92.907	ppm	99
81) 2-Naphthylamine	7.987	143	589167	96.405	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.949	232	145153	102.482	ppm	97
83) Fluorene	8.158	166	709836	94.795	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	287226	95.079	ppm	99
85) Diethylphthalate	8.040	149	741803	96.789	ppm	98
86) 4-Nitroaniline	8.211	138	202375	101.585	ppm	96
87) 5-Nitro-o-toluidine	8.190	152	227934	100.785	ppm	98
89) Sulfotepp	8.419	322	92607	96.814	ppm	95
90) Octachlorocyclopentene	8.393	307	98252	100.901	ppm	96
92) Thionazin	8.120	107	118942	94.198	ppm	98
93) 4,6-Dinitro-2-methylph...	8.227	198	129465	104.354	ppm	97
94) Diphenylamine	8.275	169	1088988	191.476	ppm	98
95) 1,2 Diphenylhydrazine	8.307	77	654364	91.163	ppm	95
96) N-Nitrosodiphenylamine	8.275	169	1088988	191.476	ppm	98
97) 1,3,5-Trinitrobenzene	8.606	74	101938	99.308	ppm	94
98) Diallate	8.547	86	262442	90.469	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

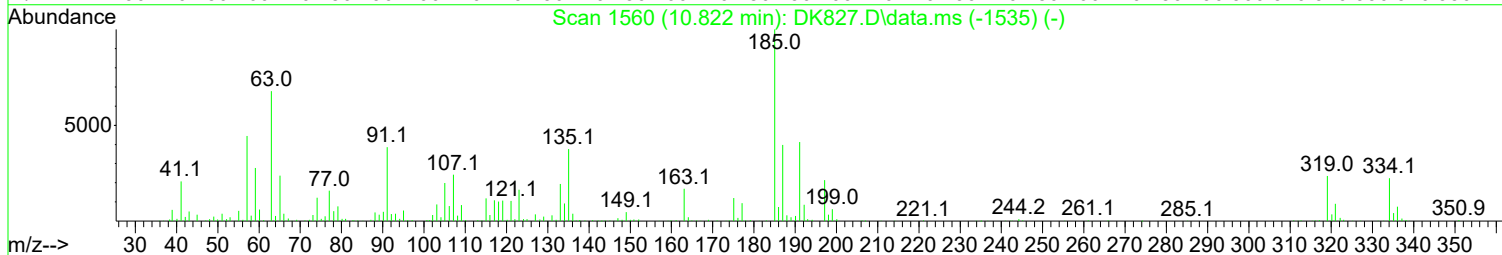
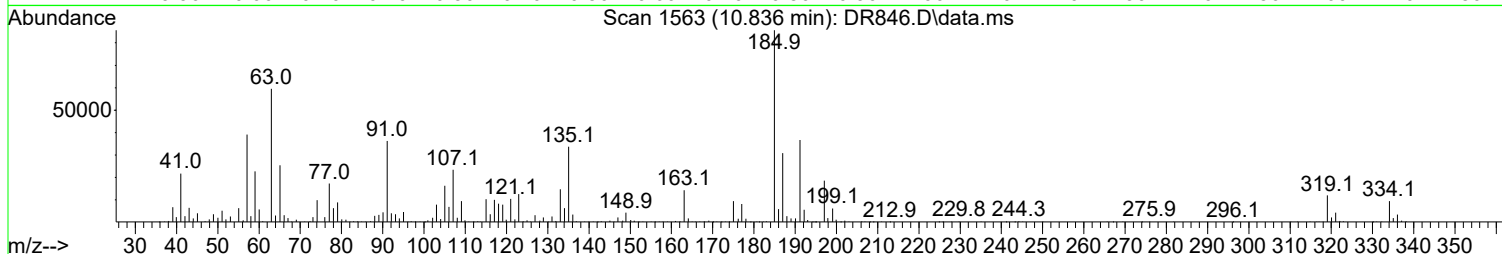
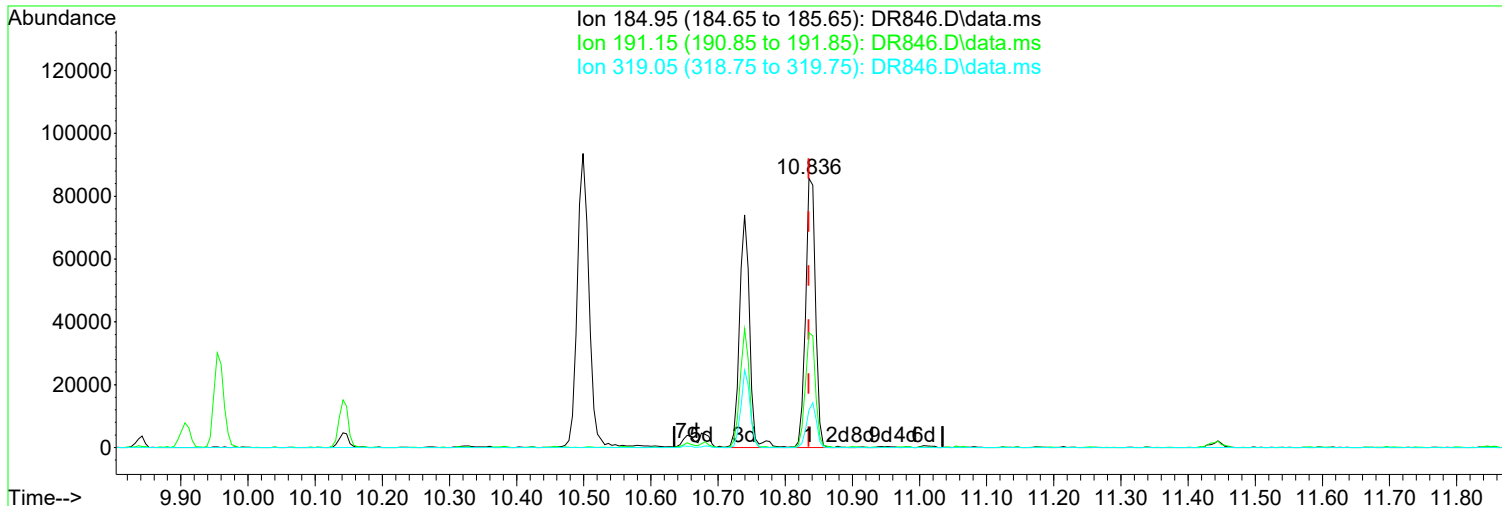
Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	137502	92.367	ppm	97
100) Phenacetin	8.617	108	368881	98.359	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	158468	94.164	ppm	97
102) Hexachlorobenzene	8.697	284	173023	91.425	ppm	94
103) Dimethoate	8.761	87	225714	91.785	ppm	98
104) Atrazine	8.809	215	88572	96.249	ppm	98
105) Pentachlorophenol	8.911	266	73288	99.843	ppm	97
106) 4-Aminobiphenyl	8.905	169	575554	99.594	ppm	99
107) Pentachloronitrobenzene	8.905	237	73107	104.565	ppm	99
108) Pronamide	8.959	173	341727	103.848	ppm	99
109) Dinoseb	9.076	211	166760	102.124	ppm	96
110) Disulfoton	9.076	88	333707	89.447	ppm	98
111) Phenanthrene	9.114	178	986591	96.930	ppm	100
112) Anthracene	9.162	178	981876	97.088	ppm	99
113) Carbazole	9.333	167	968432	97.485	ppm	100
114) Di-n-butylphthalate	9.653	149	1276686	99.428	ppm	99
115) 4-Nitroquinonline-1-oxide	9.904	190	66597	110.617	ppm	97
116) Fluoranthene	10.326	202	1048290	100.601	ppm	100
118) Methyl Parathion	9.455	109	222878	98.095	ppm	99
119) Ethyl Parathion	9.840	97	167044	98.404	ppm	96
120) Methapyrilene	9.952	58	234558	94.983	ppm	100
121) Isodrin	10.144	193	106211	101.362	ppm	98
122) Benzidine	10.497	184	692387	102.962	ppm	100
123) Pyrene	10.593	202	1088946	103.474	ppm	99
125) Aramite	10.839	185	147188m	102.058	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	335183	107.210	ppm	94
127) Chlorobenzilate	11.010	139	375294	102.753	ppm	99
128) Butyl benzyl phthalate	11.448	149	579692	99.296	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	663318	103.626	ppm	99
130) 2-Acetylaminofluorene	11.848	181	484732	103.964	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	385310	101.079	ppm	98
132) Benzo(a)anthracene	12.340	228	945968	97.209	ppm	99
133) Chrysene	12.409	228	871230	97.318	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.404	149	798808	99.420	ppm	99
136) Di-n-octyl phthalate	13.728	149	1386478	103.031	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.460	256	436078	101.732	ppm	97
138) Benzo(b)Fluoranthene	14.481	252	945047	100.153	ppm	99
139) Benzo(k)fluoranthene	14.535	252	894547	100.094	ppm	99
140) Benzo(a)pyrene	15.176	252	833780	102.747	ppm	99
141) 3-Methylcholanthrene	15.950	268	482327	101.485	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.264	276	791258	99.427	ppm	95
143) Dibenz(a,h)anthracene	17.307	278	812957	97.497	ppm	99
144) Benzo(g,h,i)perylene	17.723	276	654462	95.419	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 115.63 ppm m

After

response 164803

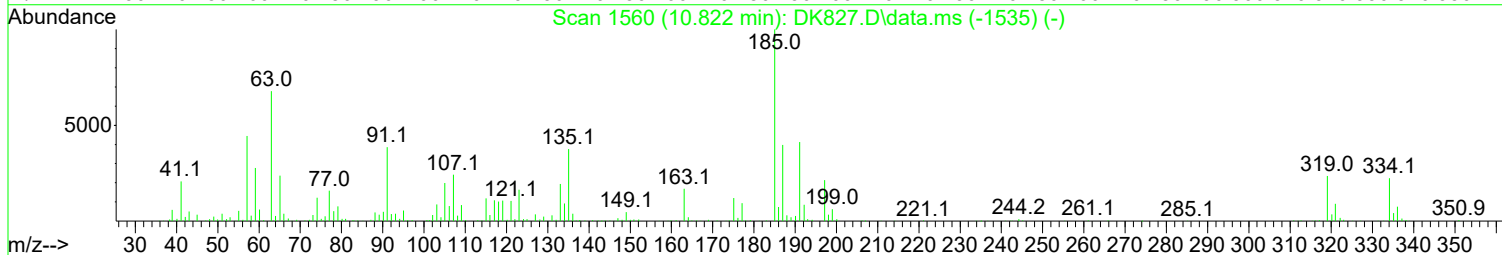
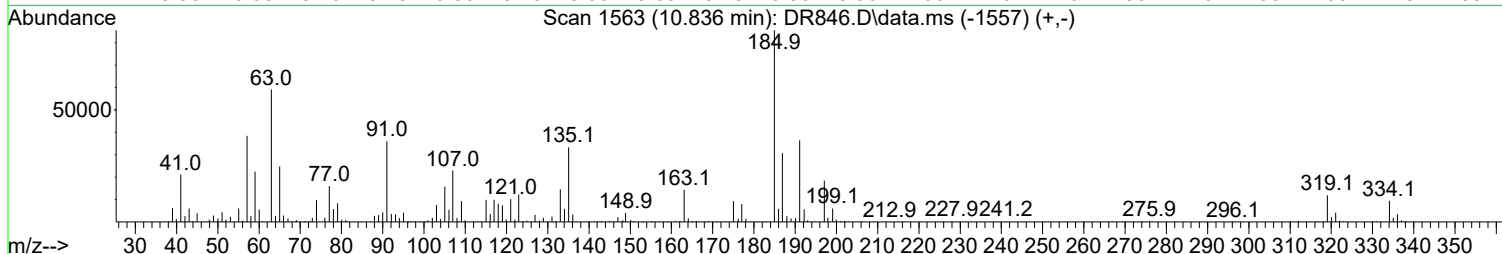
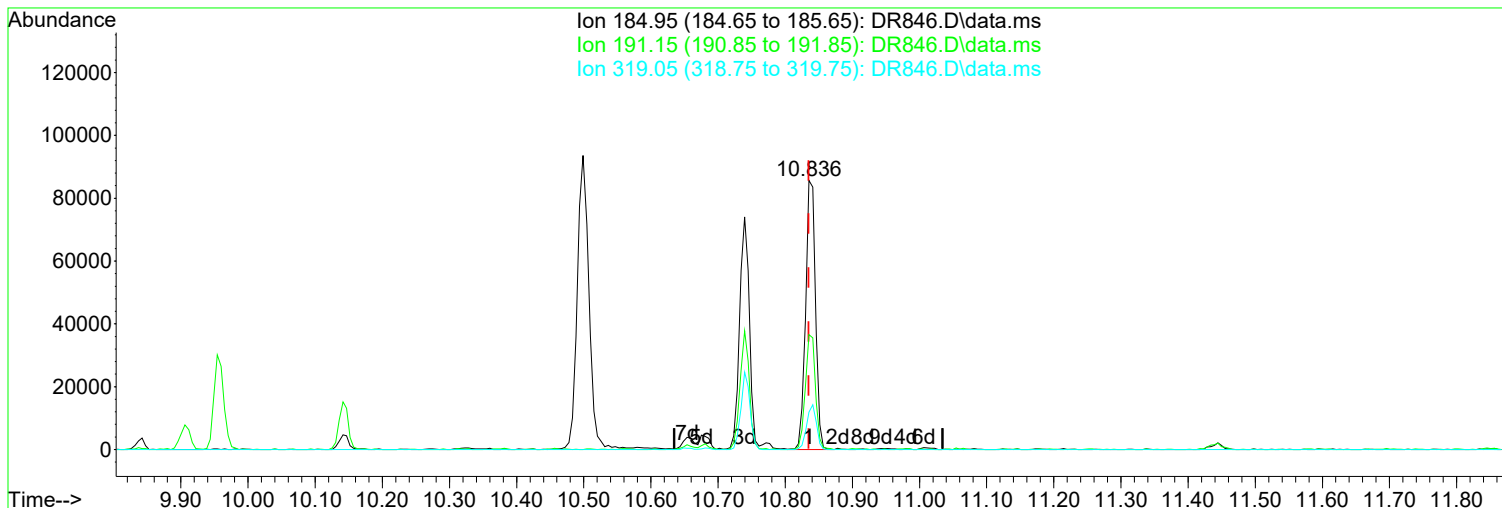
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.74
319.05	16.80	13.91
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 61.01 ppm

Before

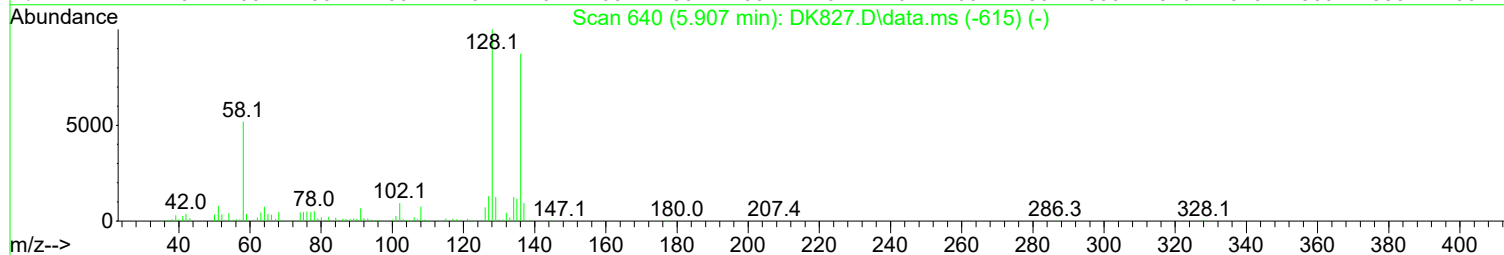
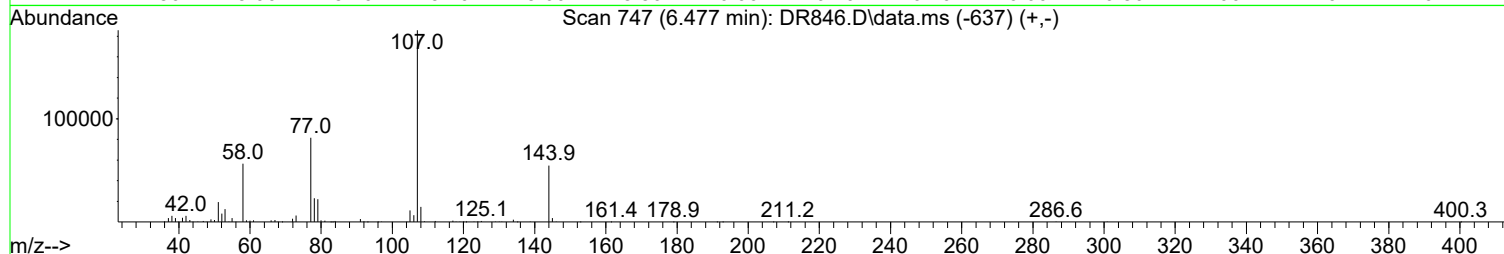
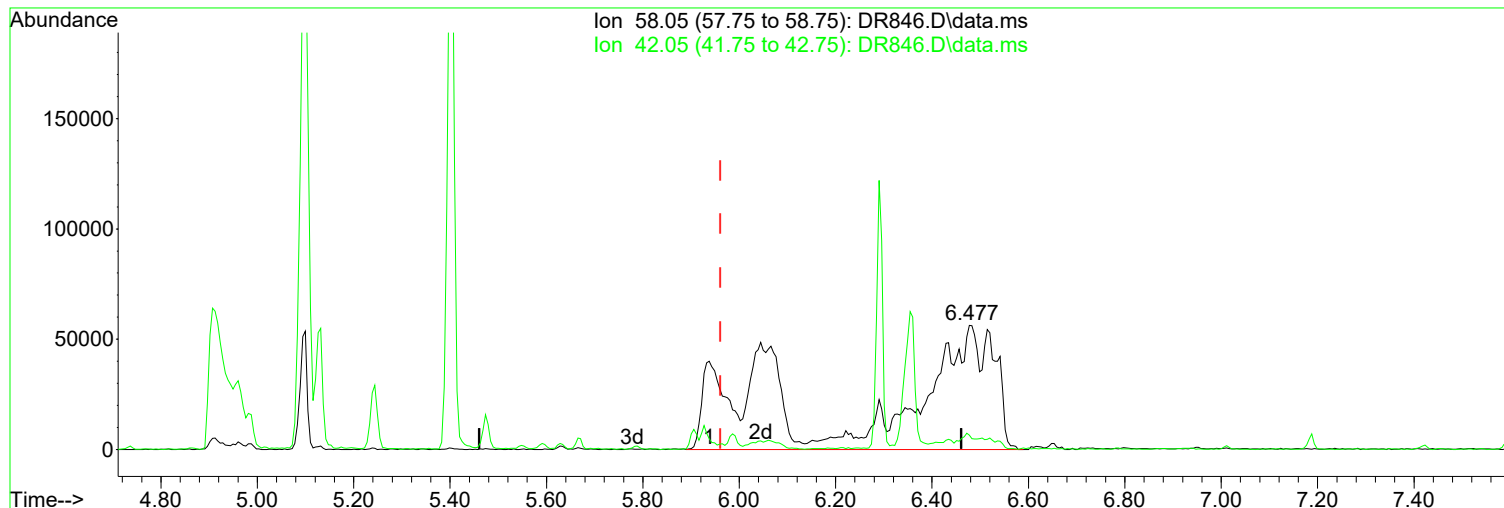
response 86950

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.61
319.05	16.80	13.92
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.477min (+ 0.516) 113.34 ppm m

After

response 906641

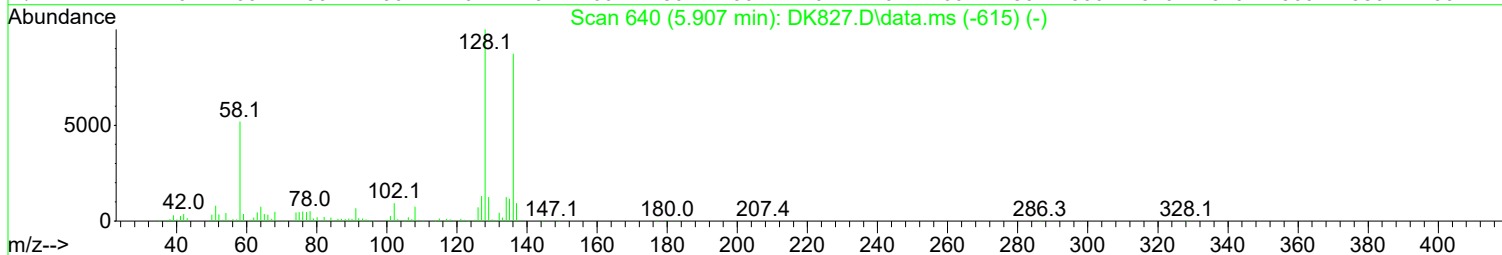
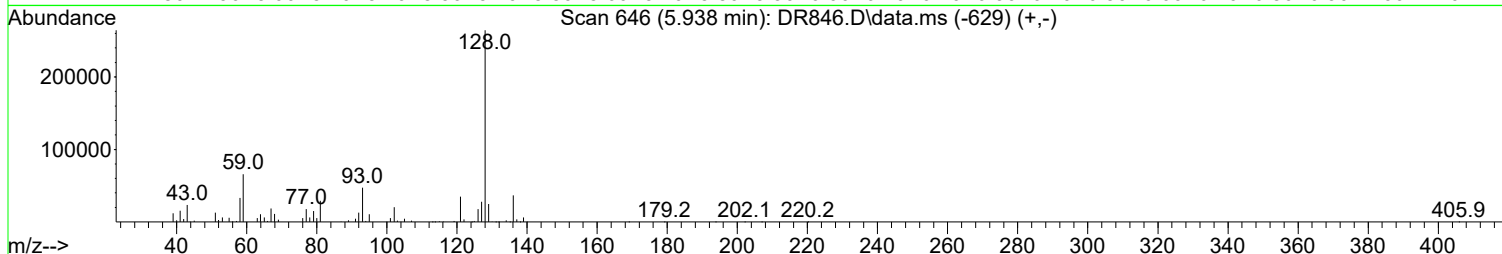
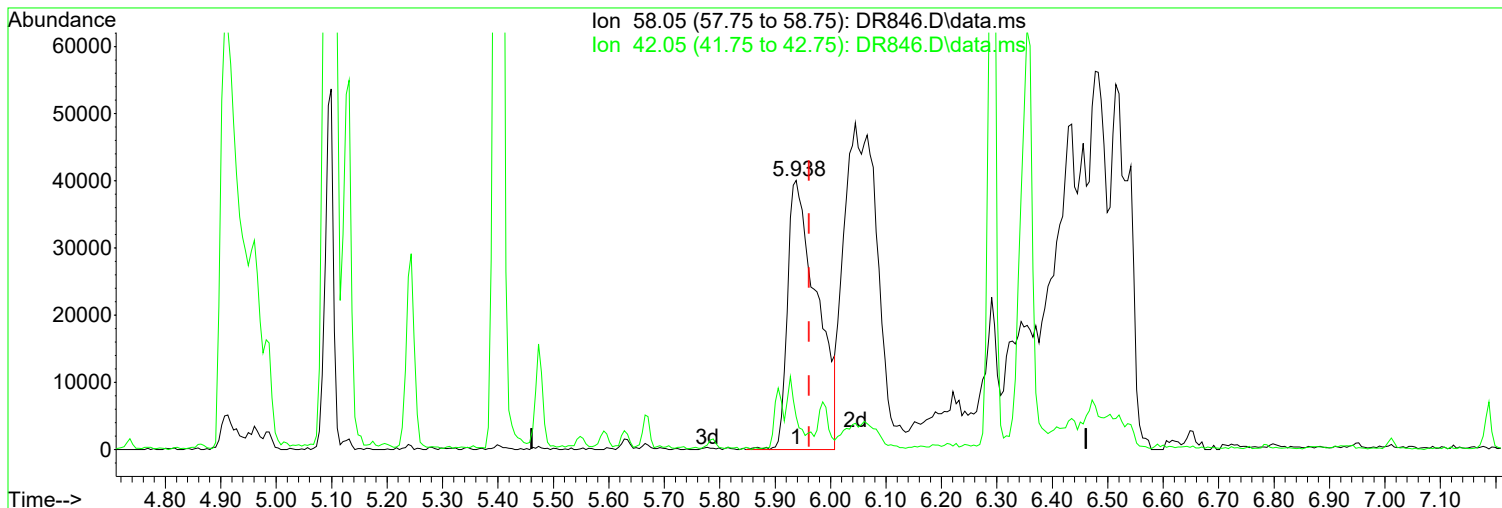
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	11.47
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.938min (-0.023) 18.38 ppm

Before

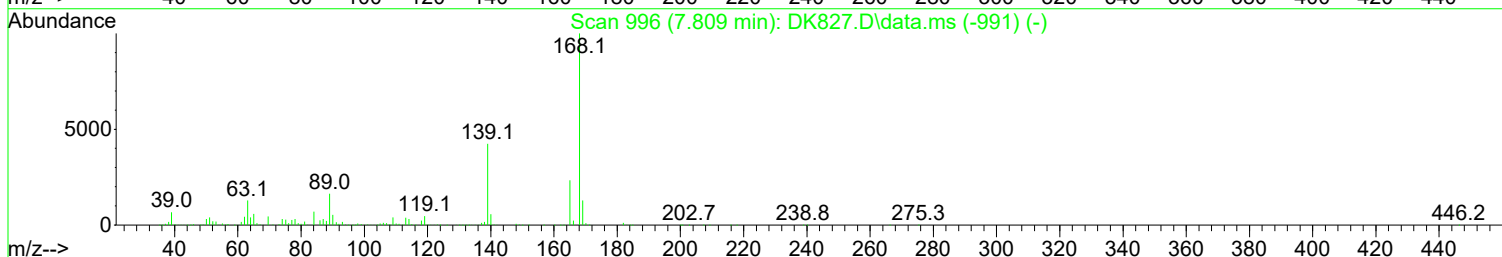
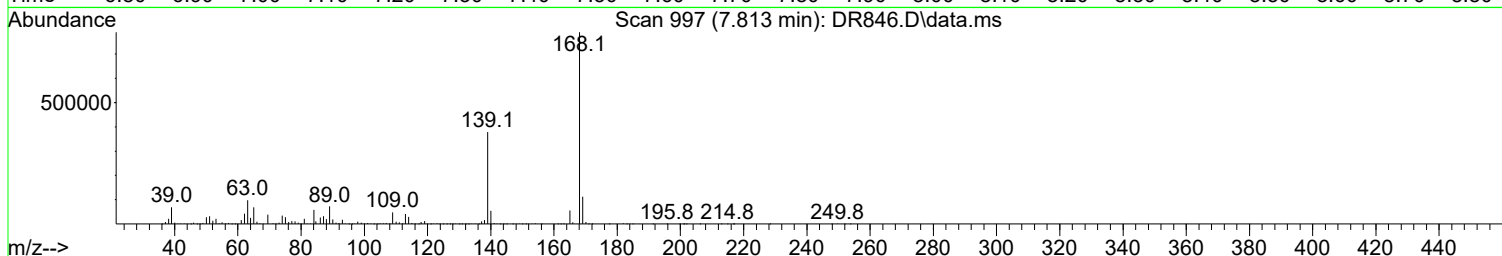
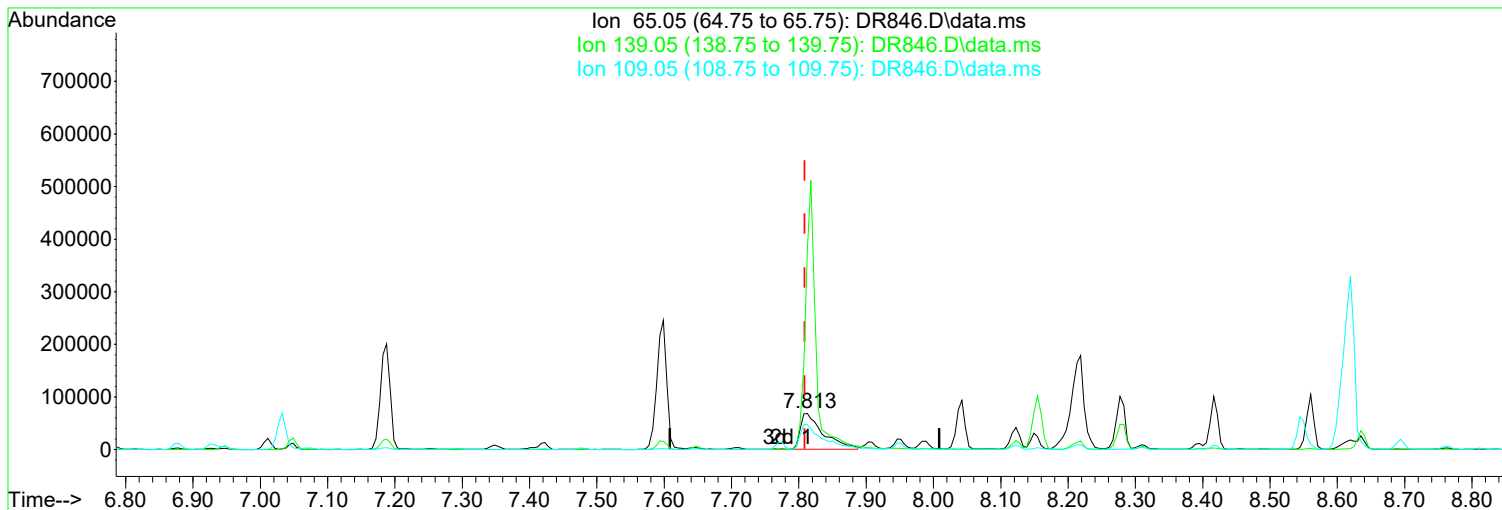
response 146998

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	12.27
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 123.14 ppm m

After

response 159403

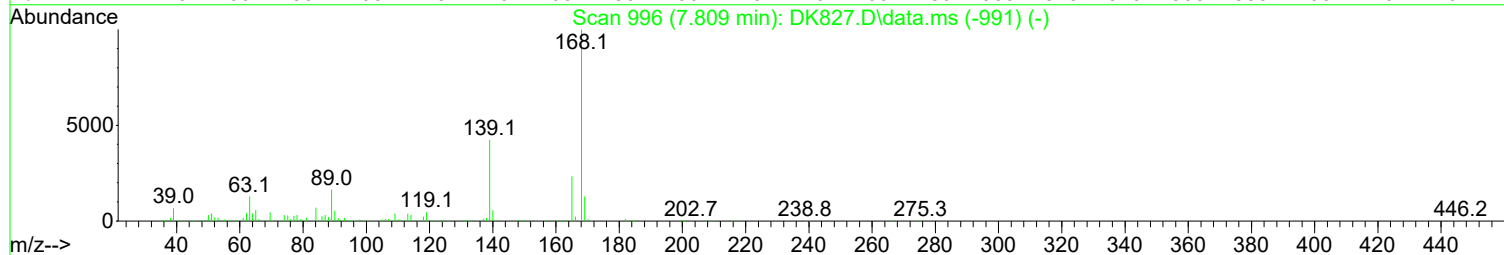
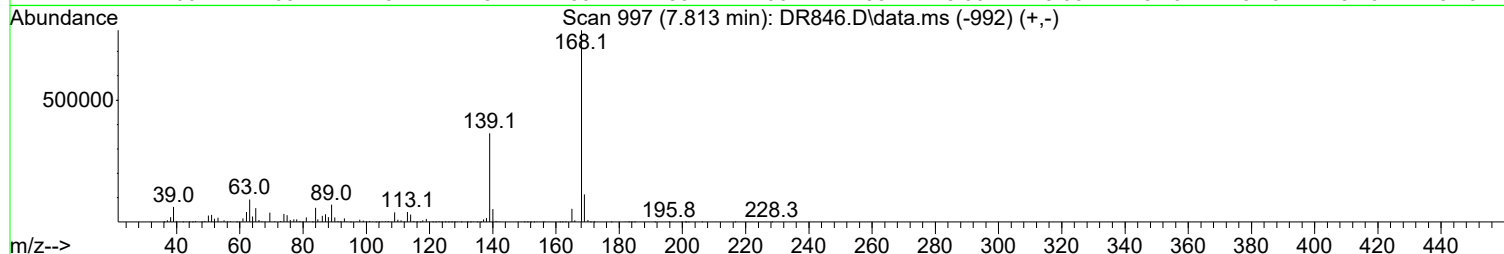
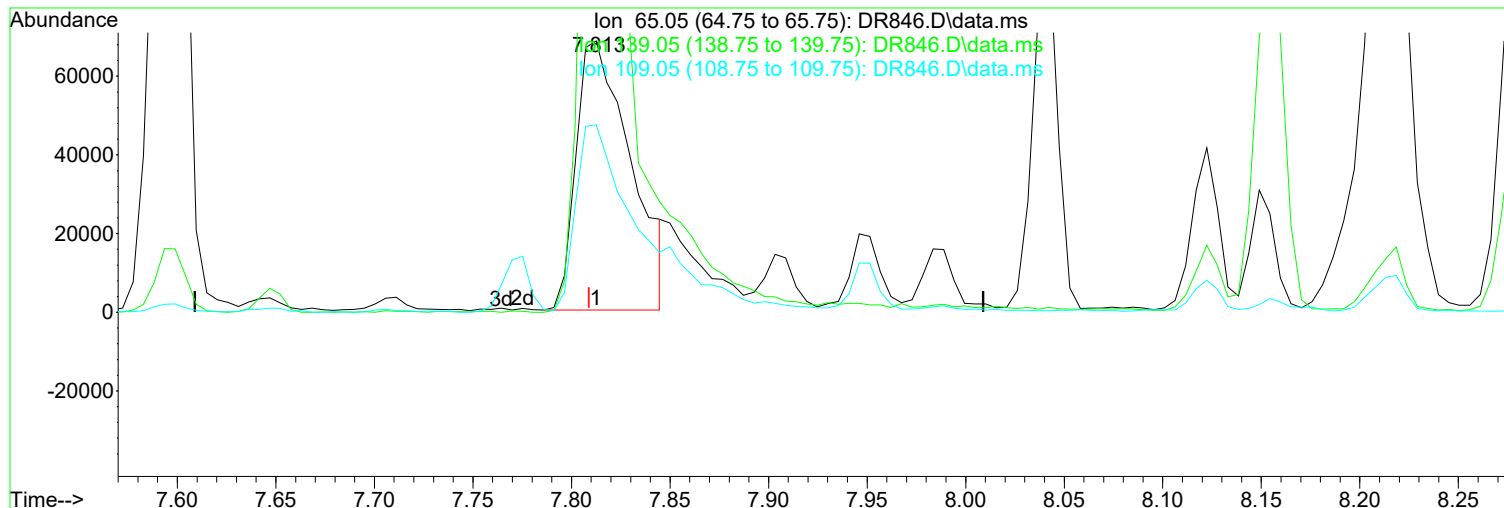
Poor integration.

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	548.70#
109.05	68.90	69.10
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)			Manual Integration:
7.813min (+ 0.004)	101.36 ppm		Before
response	131217		
Ion	Exp%	Act%	05/01/19
65.05	100.00	100.00	
139.05	423.70	641.26#	
109.05	68.90	69.85	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108526	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	421788	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	198246	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	316717	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	283220	40.00	ppm	0.00
135) d12-Perylene	15.295	264	278222	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	454937	115.25	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	115.25%#
12) SURR2,PHENOL-D6	4.426	99	576105	118.79	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	118.79%#
34) SURR4,NITROBENZENE-D5	5.243	82	458691	107.17	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	214.34%#
63) SURR5,2-FLUOROBIPHENYL	6.947	172	867102	115.02	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	230.04%#
88) SURR3,2,4,6-TRIBROMOPH...	8.405	330	97368	119.94	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	119.94%
124) SURR6,TERPHENYL-D14	10.771	244	783292	117.40	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	234.80%#

Target Compounds						Qvalue
2) Pyridine	2.610	79	519246	124.653	ppm	99
3) N-Nitrosodimethylamine	2.584	74	317046	125.138	ppm	94
4) 2-Picoline	3.193	93	494192	114.653	ppm	98
5) N-Nitrosomethylamine	3.283	42	202086	115.329	ppm	98
6) Methyl Methansulfonate	3.524	80	234005	119.176	ppm	97
8) N-Nitrosodiethylamine	3.833	102	225841	117.333	ppm	100
9) Ethyl Mathanesulfonate	4.084	79	372160	112.164	ppm	95
10) Benzaldehyde	4.368	106	304075	109.532	ppm	97
11) Aniline	4.458	93	718352	116.063	ppm	99
13) Phenol	4.442	94	621502	117.179	ppm	97
14) bis(2-Clethyl)Ether	4.496	93	406585	110.792	ppm	98
15) Pentachloroethane	4.496	117	169837	114.942	ppm	98
16) 2-Chlorophenol	4.565	128	485467	116.524	ppm	99
17) 1,3-Diclbzene	4.688	146	505993	116.702	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	513454	115.719	ppm	99
19) 1,2-Diclbzene	4.886	146	483205	113.976	ppm	98
20) Benzyl Alcohol	4.864	79	346386	122.760	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.907	99	307067	119.072	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.966	45	395763	112.233	ppm	96
23) 2-Methylphenol	4.987	108	425564	113.840	ppm	98
24) 3+4-Methylphenol	5.115	108	494589	116.933	ppm	99
25) Acetophenone	5.099	105	600464	114.296	ppm	99
26) N-Nitroso-Di-n-propyla...	5.099	70	315367	111.303	ppm	98
27) N-Nitrosopyrrolidine	5.105	100	238538	115.776	ppm	79
28) N-Nitrosomorpholine	5.131	56	225709	111.293	ppm	100
29) o-Toluidine	5.131	106	669441	114.748	ppm	84
30) Hexachloroethane	5.185	117	196802	115.233	ppm	98
31) o,o,o-Triethylphosphor...	5.633	198	208297	117.105	ppm	75
32) Alpha-terpinol	5.927	121	153880	111.026	ppm	97
35) Nitrobenzene	5.260	77	464373	108.033	ppm	98
36) N-Nitrosopiperidine	5.404	42	258156	110.479	ppm	96
37) Isophorone	5.473	82	793167	110.689	ppm	98
38) 2-Nitrophenol	5.548	139	259485	116.662	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	457106	114.119	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.665	93	464343	110.212	ppm	99
41) Benzoic Acid	5.708	105	224678	120.961	ppm	93
42) 2,4-Dichlorophenol	5.788	162	364629	114.930	ppm	99
43) a,a-Dimethylphenethyla...	6.477	58	906641m	113.337	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	375678	112.305	ppm	99
45) Naphthalene	5.927	128	1274063	109.595	ppm	98
46) 4-Chloroaniline	5.986	127	538310	110.662	ppm	99
47) 2,6-Dichlorophenol	5.991	162	379452	114.373	ppm	99
48) Hexachlorobutadiene	6.029	225	190652	112.484	ppm	98
49) Hexachloropropene	6.002	213	240792	113.702	ppm	99
50) 4-Chloro-3-methylphenol	6.472	107	355598	112.405	ppm	# 53
51) N-N-di-n-butylamine	6.290	84	268229	106.736	ppm	93
52) Caprolactam	6.360	113	133074	105.819	ppm	95
53) p-Phenylenediamine	6.344	80	90086	108.470	ppm	92
54) Safrole	6.504	162	342710	114.848	ppm	96
55) 2-Methylnaphthalene	6.595	142	838193	111.404	ppm	100
56) 1-Methylnaphthalene	6.691	142	777645	110.480	ppm	100
58) Hexachlorocyclopentadiene	6.734	237	177903	120.813	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.755	216	352448	120.794	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.033	216	359338	116.957	ppm	99
61) 2,4,6-Trichlorophenol	6.878	196	229769	124.330	ppm	94
62) 2,4,5-Trichlorophenol	6.931	196	236593	119.029	ppm	98
64) Isosafrole	7.011	104	144765	113.543	ppm	91
65) 1,1'-Biphenyl	7.049	154	1012306	115.268	ppm	99
66) 2-Chloronaphthalene	7.070	162	732044	115.327	ppm	97
67) 2-Nitroaniline	7.188	65	200077	110.269	ppm	98
68) 1,4-Naphthoquinone	7.257	158	232761	116.806	ppm	79
69) m-Dinitrobenzene	7.407	168	151305	121.325	ppm	86
70) Acenaphthylene	7.481	152	1169104	114.990	ppm	100
71) Dimethyl phthalate	7.348	163	822164	110.784	ppm	99
72) 2,6-Dinitrotoluene	7.423	165	192835	114.453	ppm	91
73) Acenaphthene	7.647	153	827884	117.055	ppm	99
74) 3-Nitroaniline	7.599	138	225035	116.187	ppm	97
75) 2,4-Dinitrophenol	7.711	184	89549	119.475	ppm	96
76) Dibenzofuran	7.818	168	1007846	115.398	ppm	98
77) 2,4-Dinitrotoluene	7.823	165	268846	120.821	ppm	89
78) 4-Nitrophenol	7.813	65	159403m	123.135	ppm	
79) Pentachlorobenzene	7.775	250	279097	119.358	ppm	98
80) 1-Naphthylamine	7.909	143	518022	112.629	ppm	100
81) 2-Napthylamine	7.989	143	640752	109.331	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.951	232	170449	125.491	ppm	97
83) Fluorene	8.154	166	796933	110.980	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	330902	114.223	ppm	98
85) Diethylphthalate	8.042	149	836225	113.777	ppm	98
86) 4-Nitroaniline	8.218	138	225995	118.295	ppm	97
87) 5-Nitro-o-toluidine	8.192	152	256093	118.081	ppm	98
89) Sulfotepp	8.421	322	106798	116.427	ppm	96
90) Octachlorocyclopentene	8.395	307	112540	120.519	ppm	96
92) Thionazin	8.122	107	134270	108.059	ppm	98
93) 4,6-Dinitro-2-methylph...	8.229	198	152607	125.000	ppm	96
94) Diphenylamine	8.283	169	1247342	222.873	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	731923	103.620	ppm	98
96) N-Nitrosodiphenylamine	8.283	169	1247342	222.873	ppm	98
97) 1,3,5-Trinirobenzene	8.608	74	120895	119.684	ppm	96
98) Diallate	8.544	86	297222	104.118	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
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Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

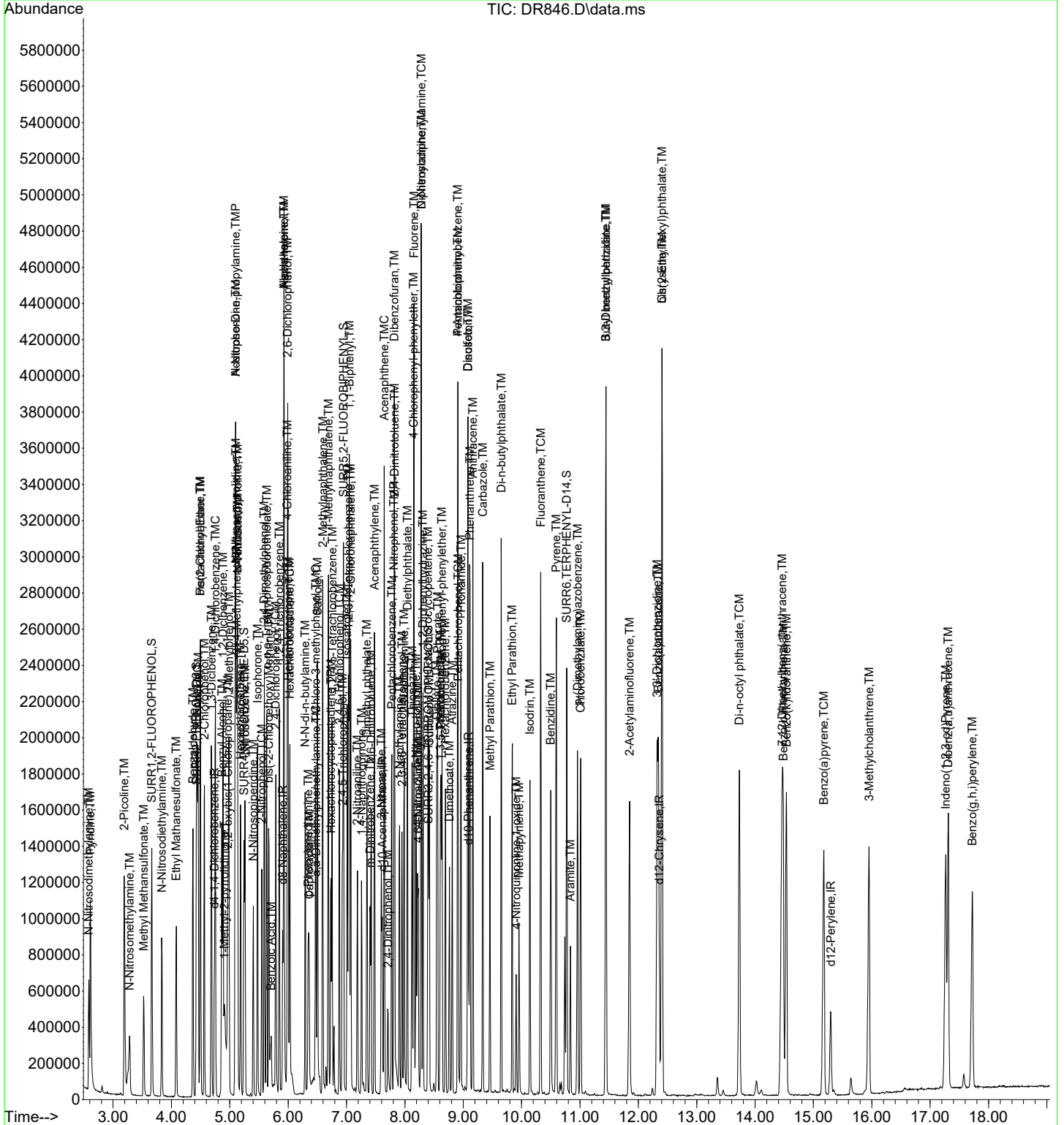
Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	156240	106.654	ppm	97
100) Phenacetin	8.619	108	422963	114.607	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	185533	112.033	ppm	95
102) Hexachlorobenzene	8.694	284	207922	111.645	ppm	96
103) Dimethoate	8.763	87	239820	99.101	ppm	95
104) Atrazine	8.811	215	97158	107.289	ppm	98
105) Pentachlorophenol	8.913	266	87474	116.357	ppm	94
106) 4-Aminobiphenyl	8.907	169	647822	113.915	ppm	99
107) Pentachloronitrobenzene	8.907	237	85992	124.987	ppm	98
108) Pronamide	8.961	173	388884	120.093	ppm	98
109) Dinoseb	9.078	211	201217	125.222	ppm	97
110) Disulfoton	9.078	88	365077	99.440	ppm	97
111) Phenanthrene	9.116	178	1121387	111.958	ppm	100
112) Anthracene	9.164	178	1127947	113.338	ppm	99
113) Carbazole	9.335	167	1111057	113.654	ppm	99
114) Di-n-butylphthalate	9.650	149	1456330	115.256	ppm	99
115) 4-Nitroquinonline-1-oxide	9.906	190	75875	128.069	ppm	95
116) Fluoranthene	10.328	202	1210296	118.030	ppm	98
118) Methyl Parathion	9.458	109	248242	110.558	ppm	96
119) Ethyl Parathion	9.837	97	191236	113.995	ppm	96
120) Methapyrilene	9.954	58	264413	108.346	ppm	98
121) Isodrin	10.141	193	121906	117.724	ppm	94
122) Benzidine	10.499	184	780445	117.437	ppm	100
123) Pyrene	10.595	202	1249632	120.155	ppm	100
125) Aramite	10.836	185	164803m	115.631	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	367992	119.104	ppm	93
127) Chlorobenzilate	11.012	139	428347	118.673	ppm	95
128) Butyl benzyl phthalate	11.444	149	655211	113.566	ppm	96
129) 3,3-Dimethylbenzidine	11.444	212	750861	118.697	ppm	99
130) 2-Acetylaminofluorene	11.850	181	551421	119.674	ppm	99
131) 3,3'-Dichlorobenzidine	12.320	252	434778	115.412	ppm	99
132) Benzo(a)anthracene	12.342	228	1088913	113.229	ppm	100
133) Chrysene	12.406	228	1002727	113.339	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.406	149	910566	114.677	ppm	98
136) Di-n-octyl phthalate	13.730	149	1579048	119.589	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.462	256	497457	118.274	ppm	96
138) Benzo(b)Fluoranthene	14.484	252	1096951	118.479	ppm	99
139) Benzo(k)fluoranthene	14.537	252	1027467	117.170	ppm	100
140) Benzo(a)pyrene	15.178	252	962240	120.849	ppm	99
141) 3-Methylcholanthrene	15.952	268	561138	120.330	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.266	276	891352	114.151	ppm	99
143) Dibenz(a,h)anthracene	17.309	278	935919	114.394	ppm	98
144) Benzo(g,h,i)perylene	17.720	276	757379	112.539	ppm	99

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

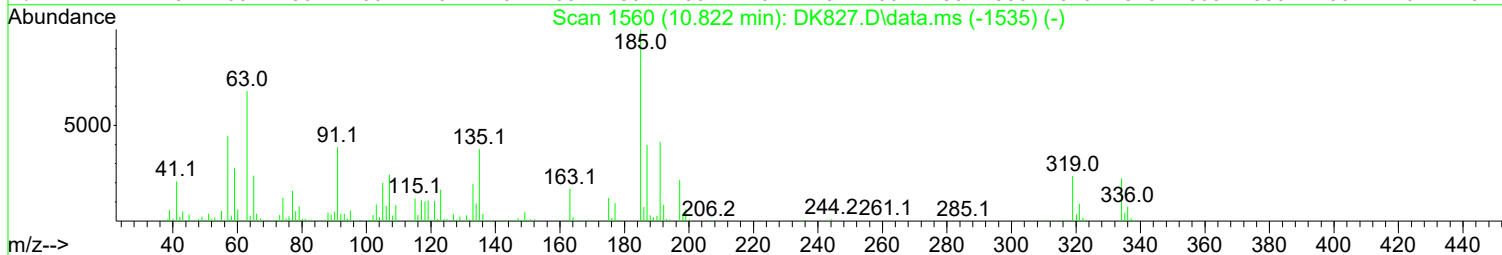
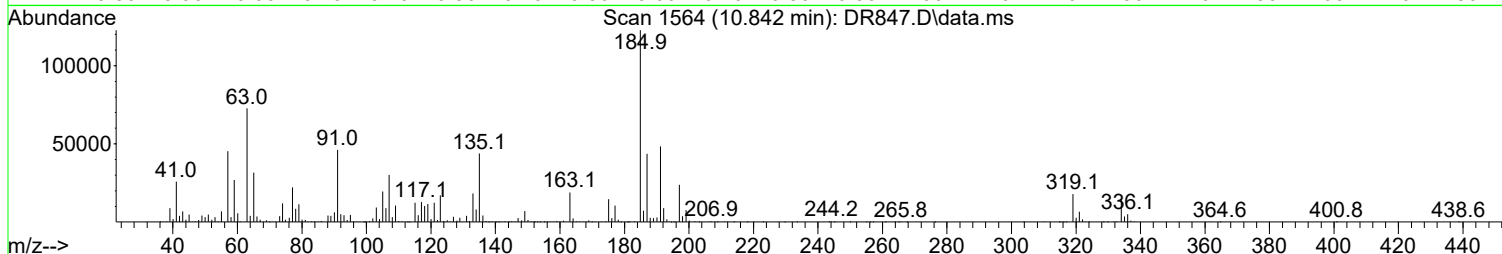
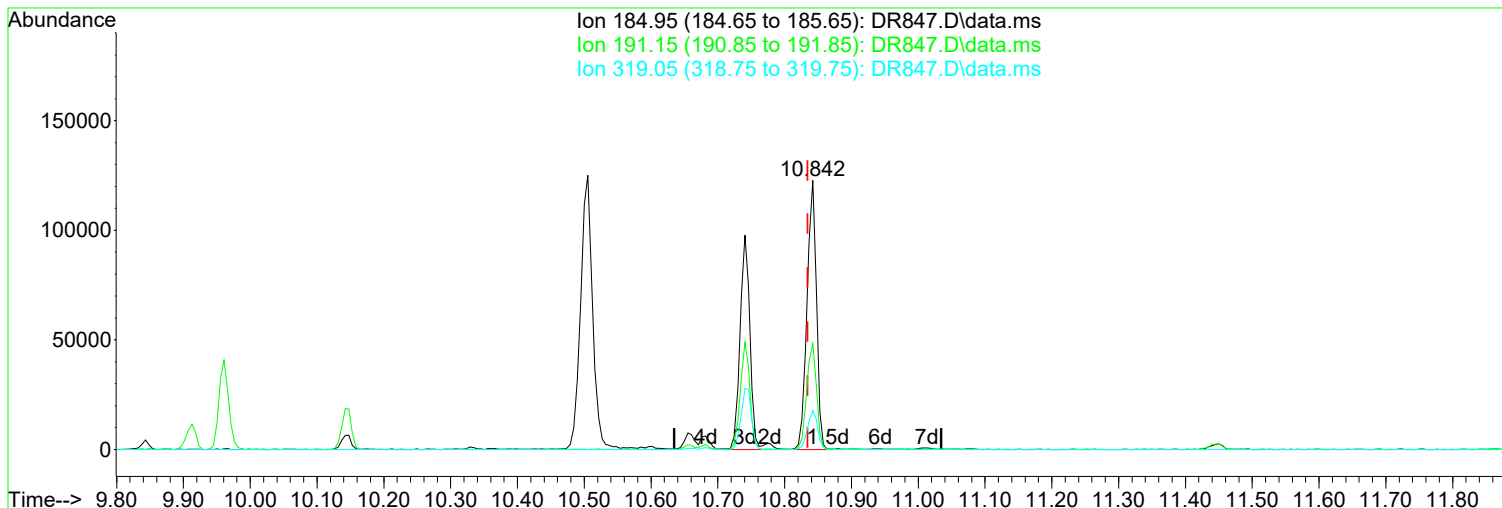
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.842min (+ 0.007) 149.37 ppm m

After

response 222547

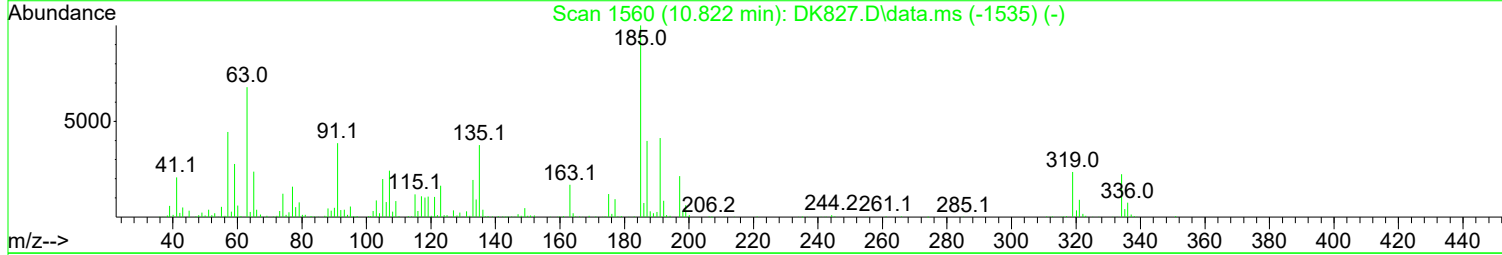
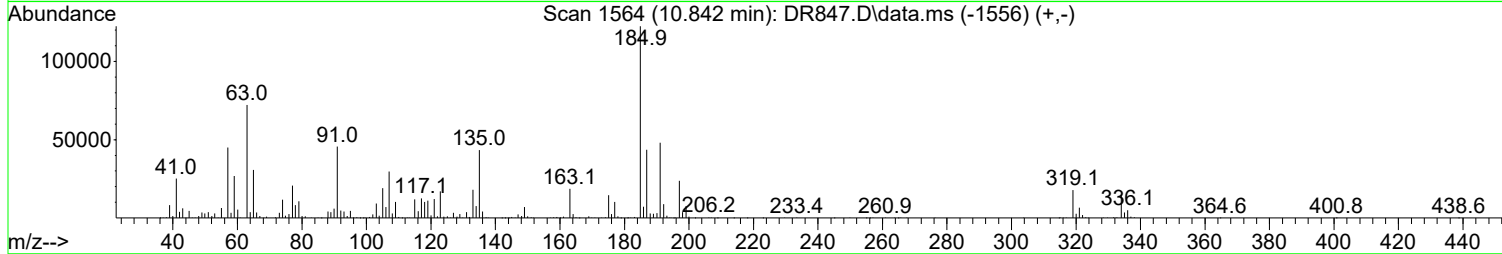
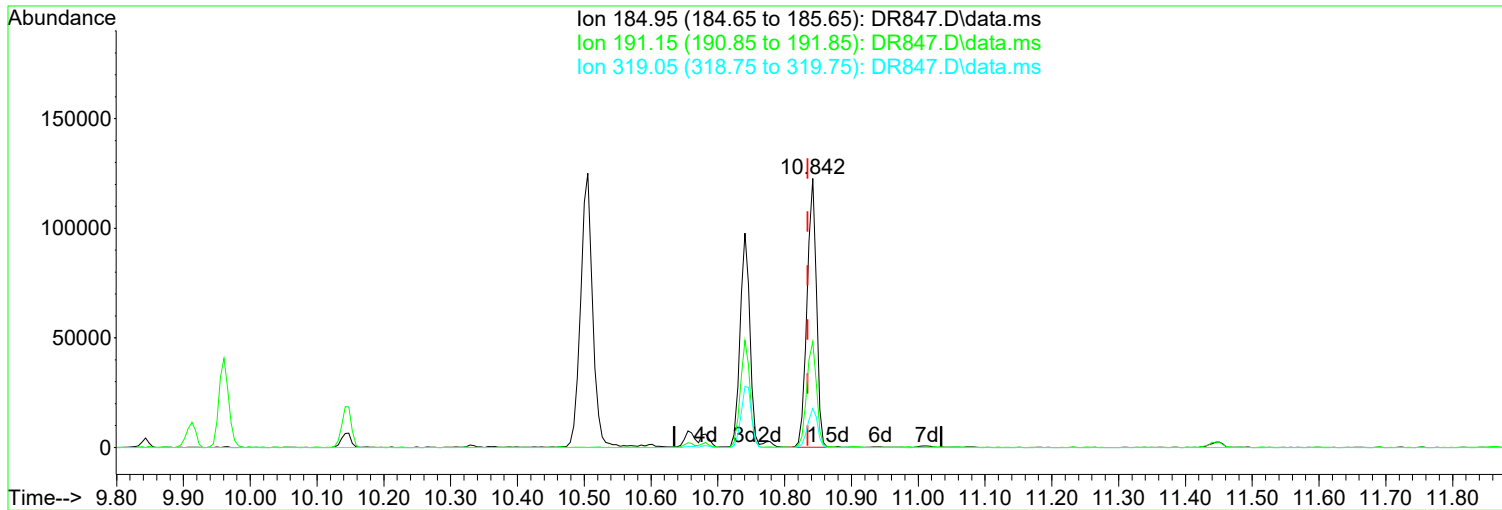
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.42
319.05	16.80	14.54
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

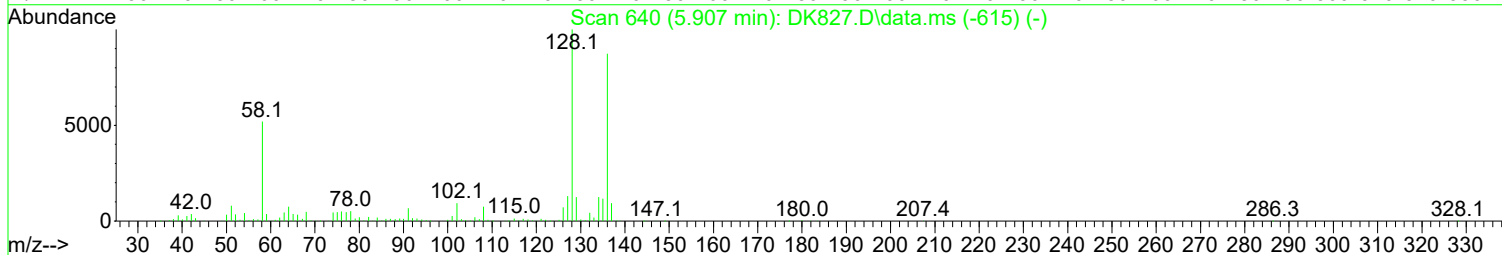
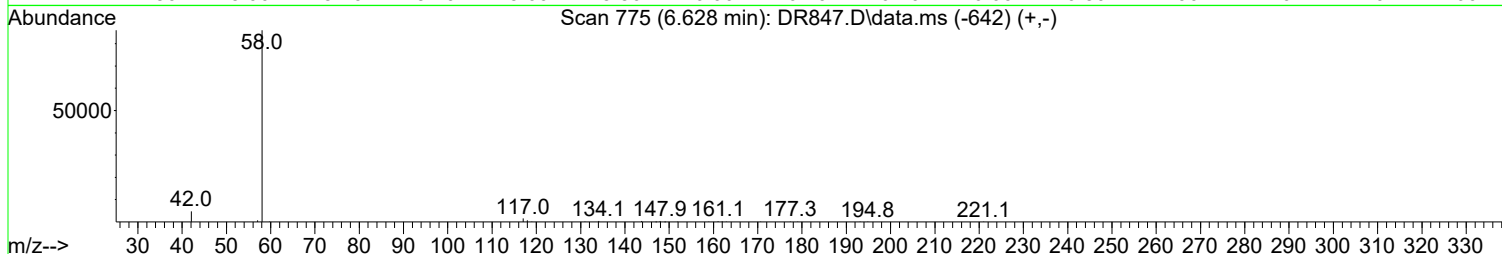
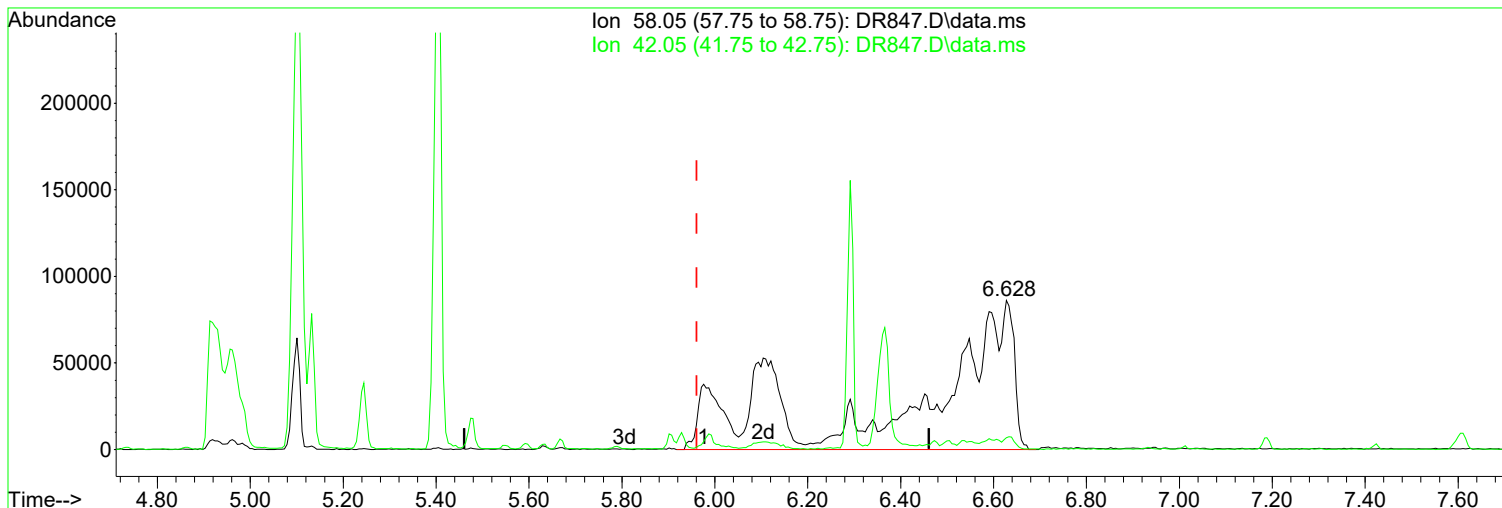


TIC: DR847.D\data.ms

(125) Aramite (TM)			Manual Integration:
10.842min (+ 0.007)	79.72 ppm		Before
response	118774		
Ion	Exp%	Act%	05/01/19
184.95	100.00	100.00	
191.15	41.00	39.23	
319.05	16.80	14.55	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.628min (+ 0.667) 158.32 ppm m

After

response 1186973

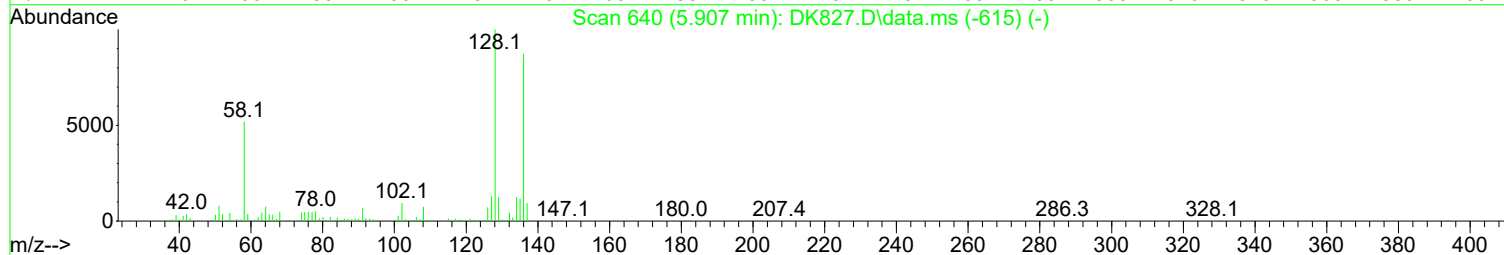
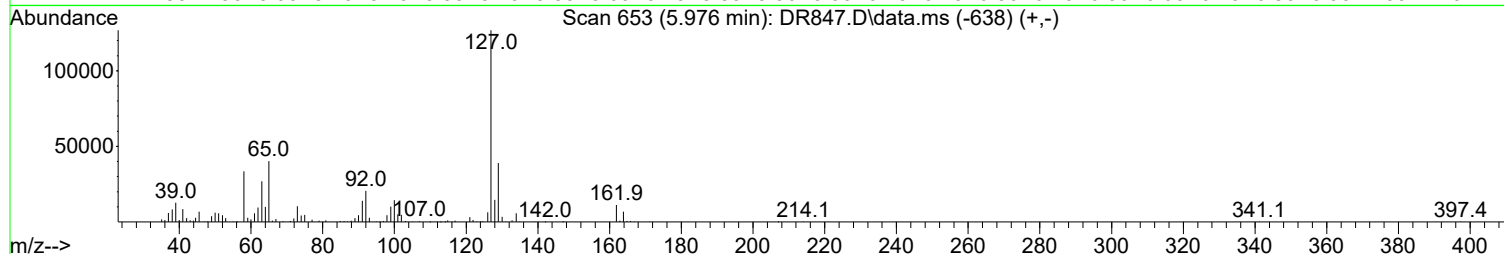
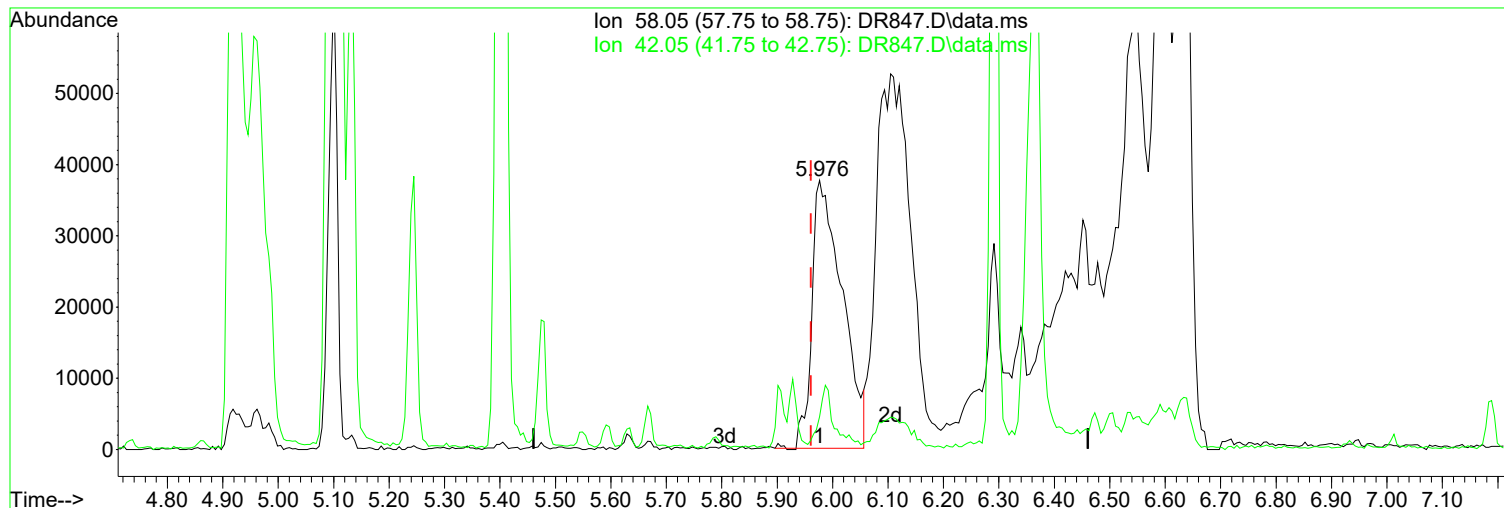
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.03
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
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Response via : Initial Calibration



TIC: DR847.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.976min (+ 0.015) 19.11 ppm

Before

response 143240

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.83
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	107426	40.00	ppm	0.00
33) d8-Naphthalene	5.907	136	395308	40.00	ppm	0.00
57) d10-Acenaphthene	7.616	164	197878	40.00	ppm	0.00
91) d10-Phenanthrene	9.090	188	322947	40.00	ppm	0.00
117) d12-Chrysene	12.364	240	296067	40.00	ppm	0.00
135) d12-Perylene	15.302	264	332009	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.664	112	608061	155.62	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	155.62%#
12) SURR2,PHENOL-D6	4.427	99	758626	158.03	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	158.03%#
34) SURR4,NITROBENZENE-D5	5.245	82	617070	153.83	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	307.66%#
63) SURR5,2-FLUOROBIPHENYL	6.948	172	1176254	156.32	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	312.64%#
88) SURR3,2,4,6-TRIBROMOPH...	8.406	330	127745	157.65	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	157.65%#
124) SURR6,TERPHENYL-D14	10.773	244	1061681	152.22	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	304.44%#

Target Compounds						Qvalue
2) Pyridine	2.606	79	670462	162.603	ppm	99
3) N-Nitrosodimethylamine	2.585	74	406560	162.112	ppm	96
4) 2-Picoline	3.188	93	667773	156.511	ppm	99
5) N-Nitrosomethylamine	3.279	42	269211	155.209	ppm	90
6) Methyl Methansulfonate	3.525	80	310863	159.940	ppm	97
8) N-Nitrosodiethylamine	3.834	102	303931	159.520	ppm	99
9) Ethyl Mathanesulfonate	4.086	79	493138	150.146	ppm	95
11) Aniline	4.454	93	961565	156.950	ppm	92
13) Phenol	4.438	94	833137	158.690	ppm	98
14) bis(2-Clethyl)Ether	4.497	93	556441	153.179	ppm	98
15) Pentachloroethane	4.491	117	230404	157.529	ppm	95
16) 2-Chlorophenol	4.561	128	656827	159.269	ppm	98
17) 1,3-Diclbzene	4.684	146	676703	157.672	ppm	97
18) 1,4-Dichlorobenzene	4.748	146	692298	157.623	ppm	98
19) 1,2-Diclbzene	4.881	146	655103	156.105	ppm	99
20) Benzyl Alcohol	4.865	79	463211	165.844	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.919	99	409667	160.484	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	514904	147.514	ppm	90
23) 2-Methylphenol	4.994	108	577204	155.985	ppm	96
24) 3+4-Methylphenol	5.122	108	657927	157.143	ppm #	72
25) Acetophenone	5.095	105	794001	152.683	ppm	98
26) N-Nitroso-Di-n-propyla...	5.100	70	422815	150.753	ppm	92
27) N-Nitrosopyrrolidine	5.111	100	317363	155.611	ppm	64
28) N-Nitrosomorpholine	5.132	56	295820	147.357	ppm	99
29) o-Toluidine	5.132	106	867984	150.303	ppm	65
30) Hexachloroethane	5.186	117	260918	154.339	ppm	96
31) o,o,o-Triethylphosphor...	5.634	198	280747	159.453	ppm	92
32) Alpha-terpinol	5.928	121	210815	153.662	ppm	97
35) Nitrobenzene	5.261	77	619095	153.675	ppm	96
36) N-Nitrosopiperidine	5.405	42	338639	154.630	ppm	95
37) Isophorone	5.480	82	1062263	158.172	ppm	98
38) 2-Nitrophenol	5.549	139	343400	164.732	ppm	97
39) 2,4-Dimethylphenol	5.592	107	611374	162.856	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.666	93	622768	157.716	ppm	98
41) Benzoic Acid	5.715	105	280167	157.176	ppm	94
42) 2,4-Dichlorophenol	5.789	162	495497	166.641	ppm	99
43) a,a-Dimethylphenethyla...	6.628	58	1186973m	158.320	ppm	
44) 1,2,4-Trichlorobenzene	5.848	180	506173	161.451	ppm	98
45) Naphthalene	5.928	128	1680600	154.248	ppm	99
46) 4-Chloroaniline	5.987	127	734901	161.196	ppm	99
47) 2,6-Dichlorophenol	5.992	162	504703	162.316	ppm	98
48) Hexachlorobutadiene	6.030	225	257216	161.922	ppm	100
49) Hexachloropropene	6.003	213	317266	159.848	ppm	100
50) 4-Chloro-3-methylphenol	6.473	107	478302	161.319	ppm	# 66
51) N-N-di-n-butylamine	6.291	84	359096	152.466	ppm	95
52) Caprolactam	6.366	113	183951	156.074	ppm	96
53) p-Phenylenediamine	6.345	80	117252	150.637	ppm	88
54) Safrole	6.505	162	466582	166.833	ppm	95
55) 2-Methylnaphthalene	6.590	142	1123252	159.291	ppm	98
56) 1-Methylnaphthalene	6.687	142	1043009	158.106	ppm	98
58) Hexachlorocyclopentadiene	6.729	237	242302	158.248	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.751	216	471103	161.760	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.034	216	487614	159.004	ppm	99
61) 2,4,6-Trichlorophenol	6.879	196	309346	167.701	ppm	96
62) 2,4,5-Trichlorophenol	6.932	196	319928	161.253	ppm	97
64) Isosafrole	7.012	104	195351	153.504	ppm	98
65) 1,1'-Biphenyl	7.050	154	1375291	156.891	ppm	99
66) 2-Chloronaphthalene	7.071	162	987748	155.900	ppm	97
67) 2-Nitroaniline	7.189	65	268685	148.357	ppm	98
68) 1,4-Naphthoquinone	7.258	158	311492	156.606	ppm	83
69) m-Dinitrobenzene	7.408	168	207668	166.830	ppm	93
70) Acenaphthylene	7.477	152	1594319	157.104	ppm	98
71) Dimethyl phthalate	7.354	163	1137321	153.536	ppm	99
72) 2,6-Dinitrotoluene	7.424	165	269608	160.318	ppm	99
73) Acenaphthene	7.648	153	1109361	157.145	ppm	98
74) 3-Nitroaniline	7.600	138	312111	161.444	ppm	99
75) 2,4-Dinitrophenol	7.712	184	133514	155.829	ppm	98
76) Dibenzofuran	7.819	168	1321531	151.596	ppm	99
77) 2,4-Dinitrotoluene	7.830	165	369292	166.271	ppm	81
78) 4-Nitrophenol	7.814	65	221767	171.628	ppm	# 49
79) Pentachlorobenzene	7.776	250	364090	155.995	ppm	99
80) 1-Naphthylamine	7.910	143	722862	157.458	ppm	100
81) 2-Naphthylamine	7.990	143	917898	156.912	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.952	232	240530	177.417	ppm	98
83) Fluorene	8.161	166	1087998	151.795	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	437923	151.446	ppm	97
85) Diethylphthalate	8.043	149	1140642	155.485	ppm	99
86) 4-Nitroaniline	8.225	138	317070	166.276	ppm	95
87) 5-Nitro-o-toluidine	8.198	152	355533	164.237	ppm	94
89) Sulfotepp	8.422	322	140492	153.444	ppm	97
90) Octachlorocyclopentene	8.396	307	145361	155.957	ppm	97
92) Thionazin	8.123	107	184713	145.788	ppm	99
93) 4,6-Dinitro-2-methylph...	8.236	198	215491	173.103	ppm	99
94) Diphenylamine	8.284	169	1684588	295.193	ppm	98
95) 1,2 Diphenylhydrazine	8.310	77	1002115	139.135	ppm	98
96) N-Nitrosodiphenylamine	8.284	169	1684588	295.193	ppm	98
97) 1,3,5-Trinirobenzene	8.620	74	193891	188.245	ppm	93
98) Diallate	8.551	86	406088	139.510	ppm	96
99) Phorate	8.561	121	218376	146.194	ppm	98

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

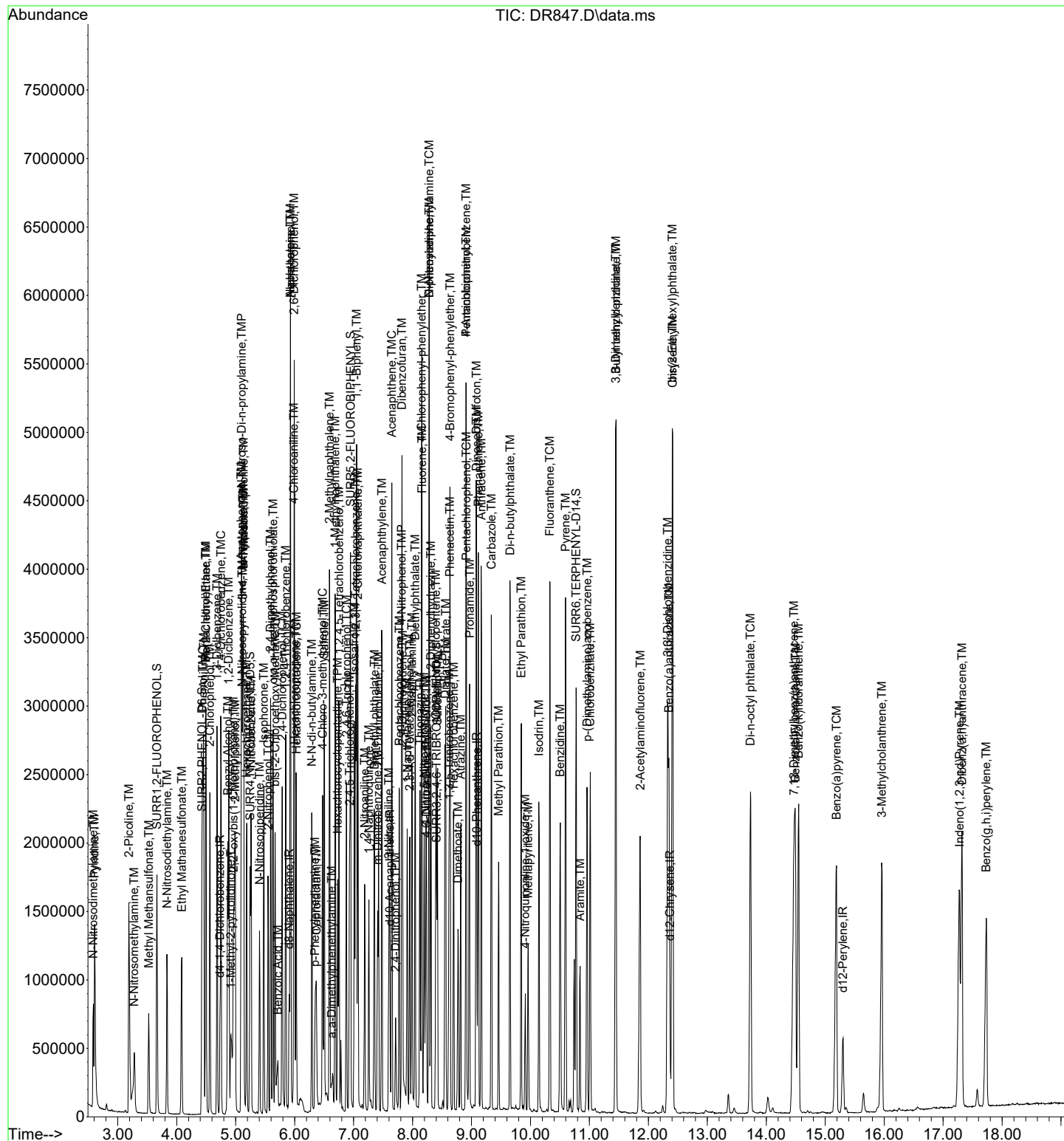
Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.631	108	571616	151.898	ppm	99
101) 4-Bromophenyl-phenylether	8.636	248	245345	145.292	ppm	93
102) Hexachlorobenzene	8.700	284	281616	148.299	ppm	95
103) Dimethoate	8.770	87	308405	124.984	ppm	96
104) Atrazine	8.818	215	126712	137.226	ppm	97
105) Pentachlorophenol	8.914	266	134956	160.028	ppm	97
106) 4-Aminobiphenyl	8.909	169	885545	152.713	ppm	99
107) Pentachloronitrobenzene	8.909	237	113391	161.631	ppm	99
108) Pronamide	8.967	173	529947	160.498	ppm	100
109) Dinoseb	9.085	211	277016	169.068	ppm	98
110) Disulfoton	9.079	88	502747	134.298	ppm	97
111) Phenanthrene	9.117	178	1530427	149.849	ppm	98
112) Anthracene	9.165	178	1544001	152.151	ppm	99
113) Carbazole	9.336	167	1530842	153.575	ppm	99
114) Di-n-butylphthalate	9.656	149	1974061	153.216	ppm	100
115) 4-Nitroquinoline-1-oxide	9.913	190	108077	178.904	ppm	95
116) Fluoranthene	10.329	202	1667235	159.454	ppm	99
118) Methyl Parathion	9.459	109	317097	135.095	ppm	96
119) Ethyl Parathion	9.843	97	263186	150.076	ppm	96
120) Methapyrilene	9.961	58	356345	139.680	ppm	94
121) Isodrin	10.142	193	165110	152.527	ppm	94
122) Benzidine	10.505	184	1080592	155.546	ppm	99
123) Pyrene	10.596	202	1701991	156.549	ppm	99
125) Aramite	10.842	185	222547m	149.371	ppm	
126) p-(Dimethylamino)azobe...	10.959	120	499434	154.632	ppm	95
127) Chlorobenzilate	11.013	139	582455	154.366	ppm	96
128) Butyl benzyl phthalate	11.451	149	898063	148.905	ppm	99
129) 3,3-Dimethylbenzidine	11.445	212	1034276	156.405	ppm	97
130) 2-Acetylaminofluorene	11.862	181	773267	160.539	ppm	98
131) 3,3'-Dichlorobenzidine	12.327	252	604354	153.465	ppm	99
132) Benzo(a)anthracene	12.348	228	1497140	148.922	ppm	100
133) Chrysene	12.412	228	1363209	147.398	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.407	149	1243376	149.796	ppm	99
136) Di-n-octyl phthalate	13.731	149	2216045	140.643	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.469	256	691326	137.739	ppm	97
138) Benzo(b)Fluoranthene	14.495	252	1533044	138.755	ppm	100
139) Benzo(k)fluoranthene	14.549	252	1400676	133.852	ppm	99
140) Benzo(a)pyrene	15.190	252	1329155	139.887	ppm	99
141) 3-Methylcholanthrene	15.959	268	753242	135.356	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.278	276	1253236	134.494	ppm	98
143) Dibenz(a,h)anthracene	17.321	278	1275460	130.639	ppm	99
144) Benzo(g,h,i)perylene	17.732	276	1027139	127.897	ppm	100

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

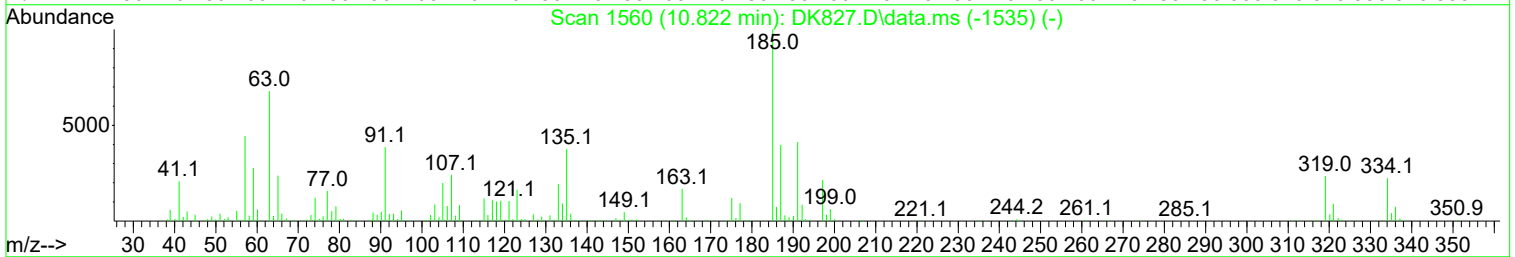
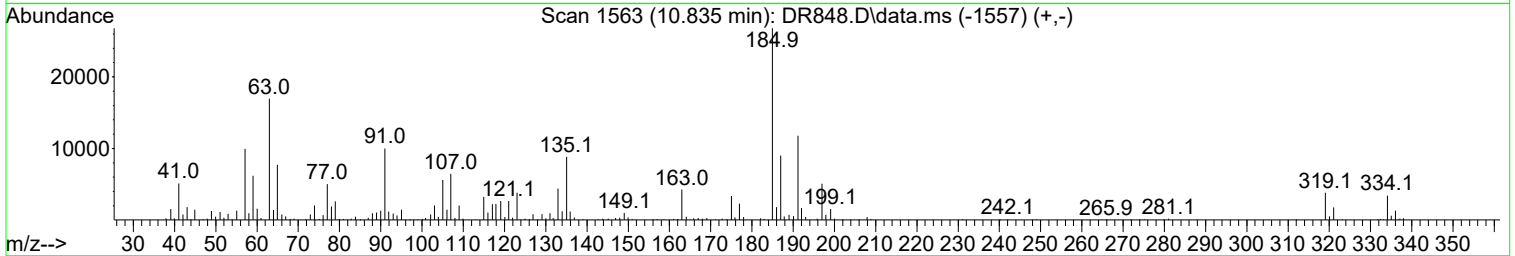
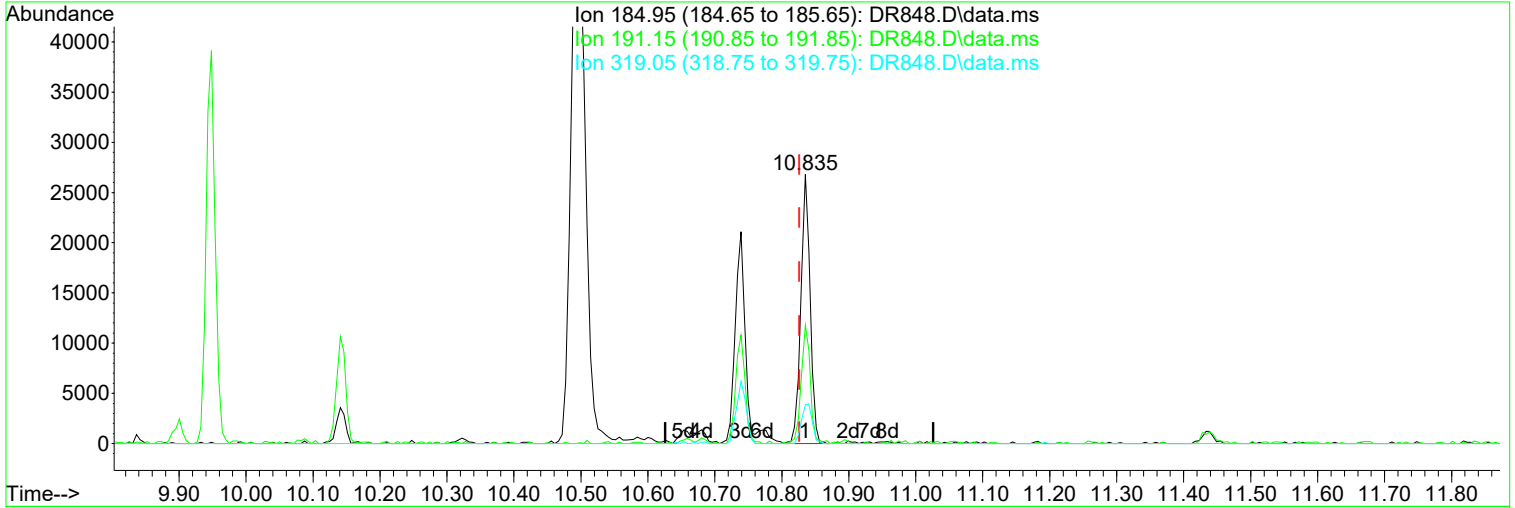
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR848.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.009) 18.13 ppm

Before

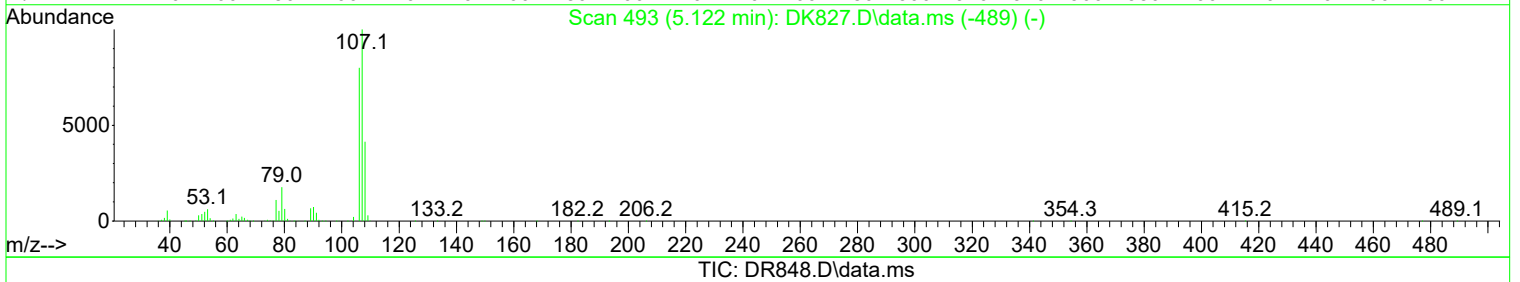
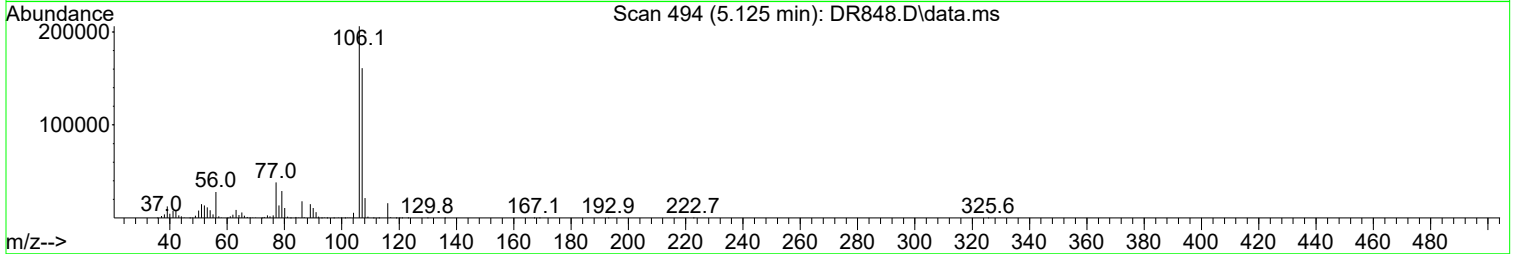
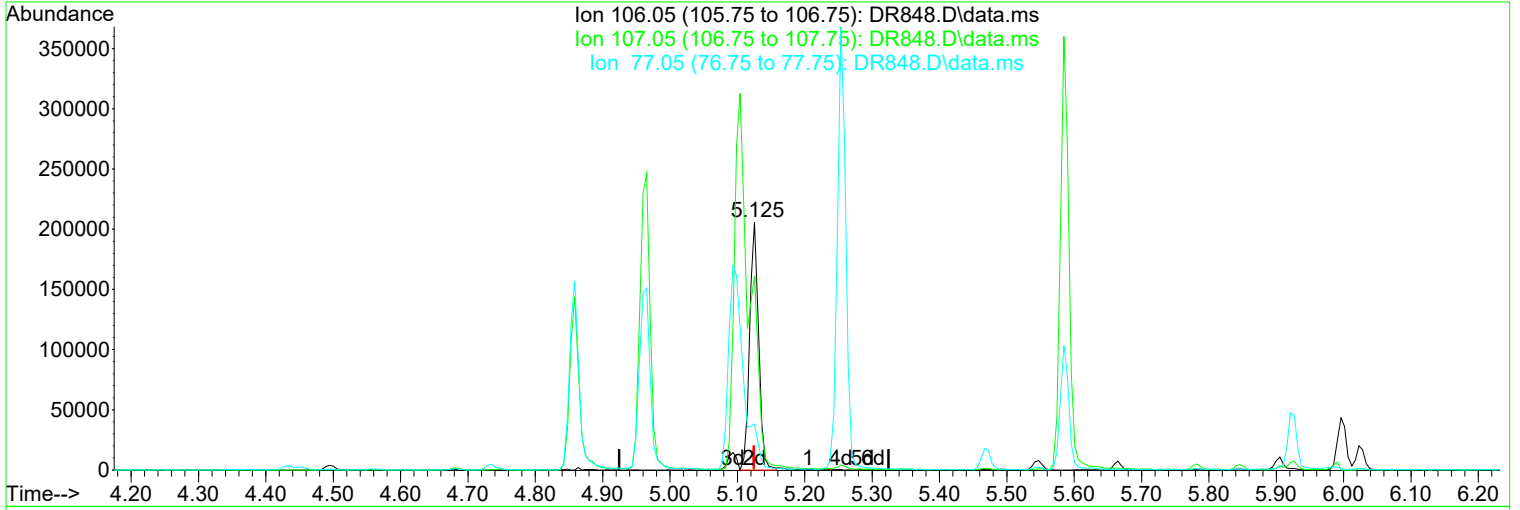
response 25917

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.76
319.05	14.30	14.34
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(29) o-Toluidine (TM)

Manual Integration:

5.125min (+ 0.000) 32.64 ppm m

After

response 192806

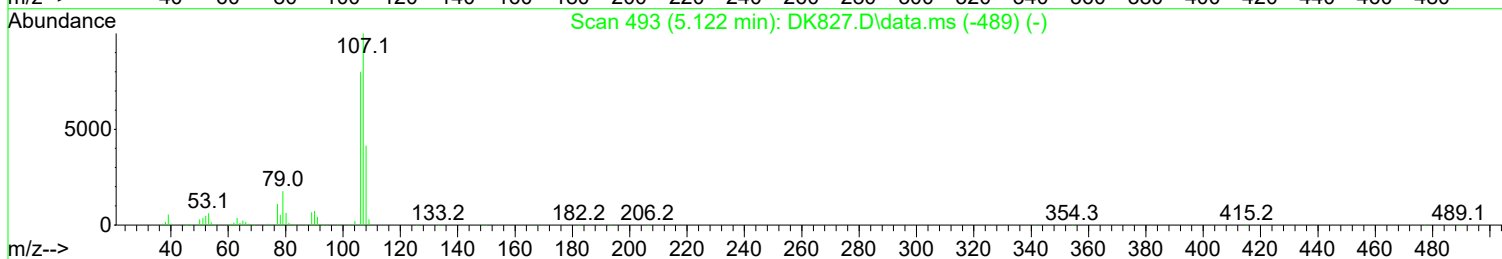
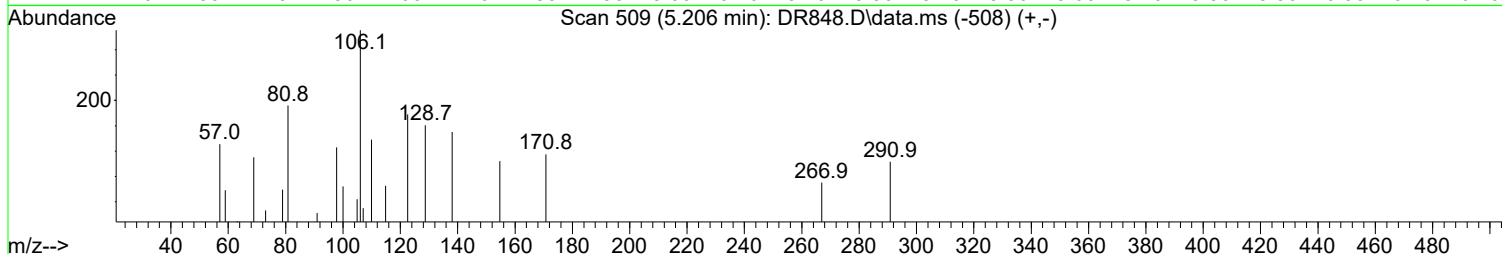
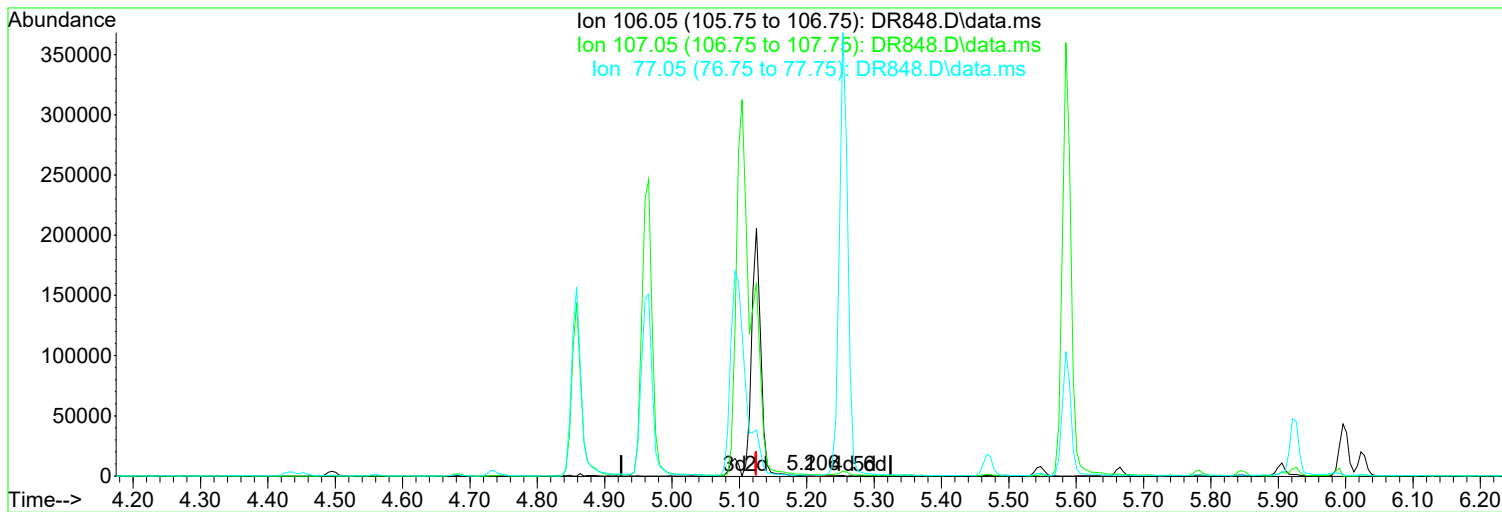
Peak not found.

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	78.19
77.05	1.60	18.52
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

Manual Integration:

5.206min (+ 0.080) 0.07 ppm

Before

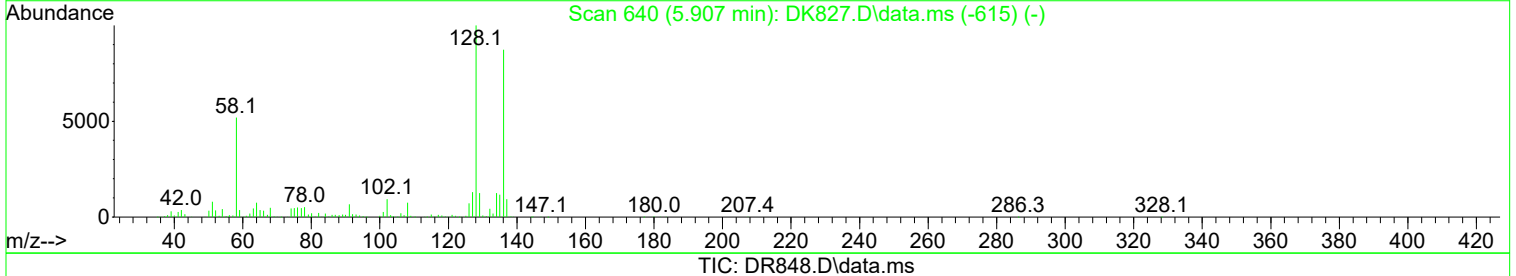
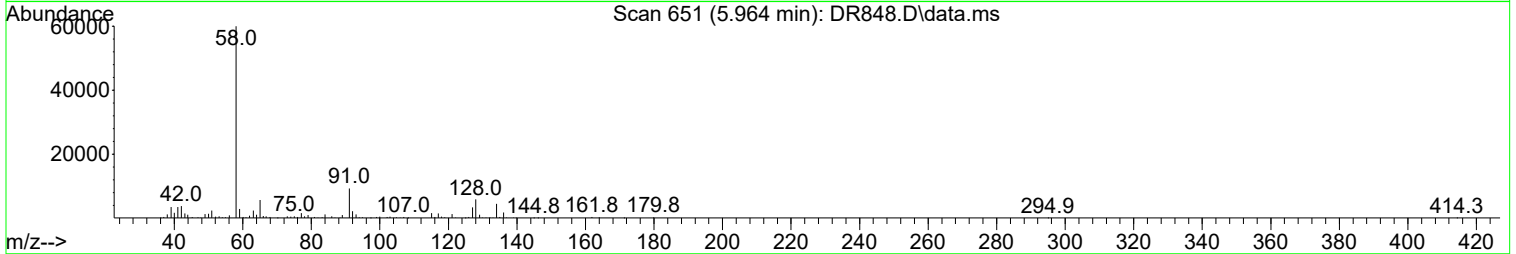
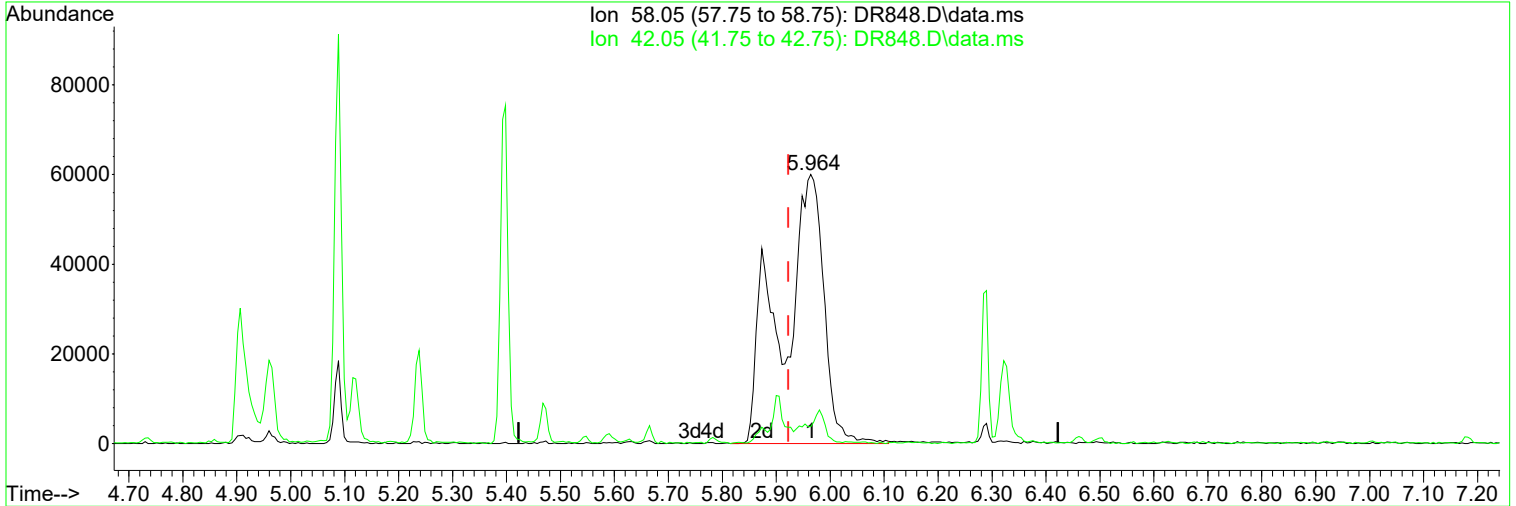
response 402

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	9.65
77.05	1.60	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
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Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
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Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.964min (+ 0.042) 41.62 ppm m

After

response 321567

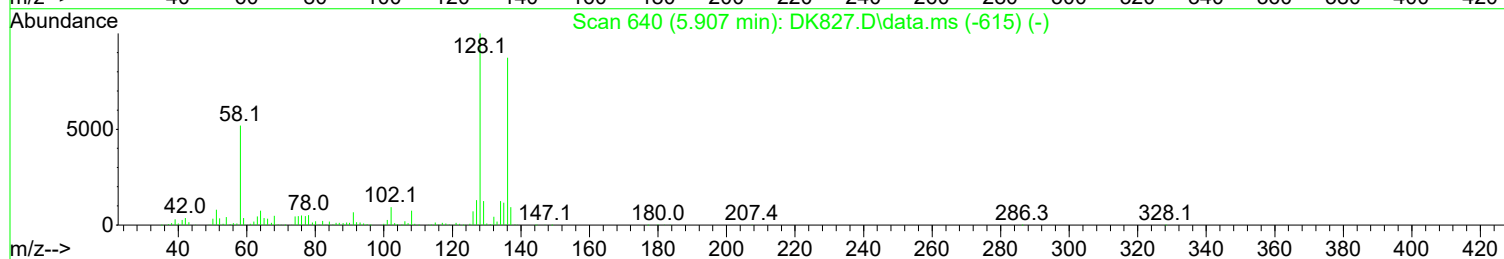
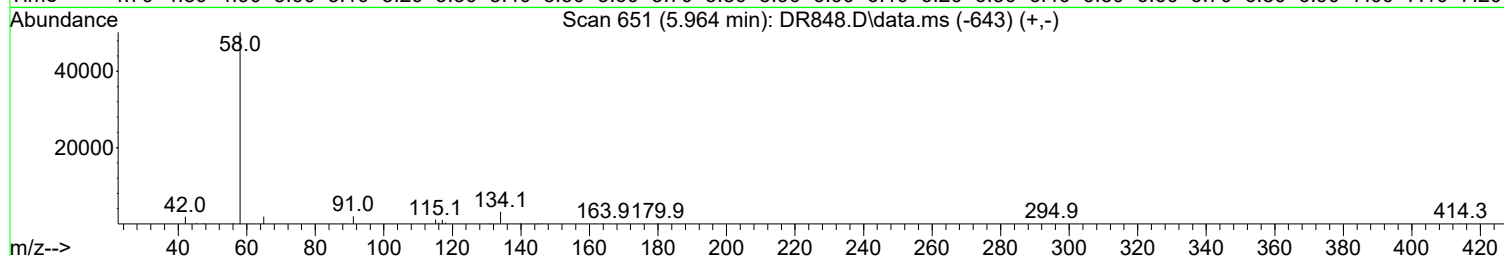
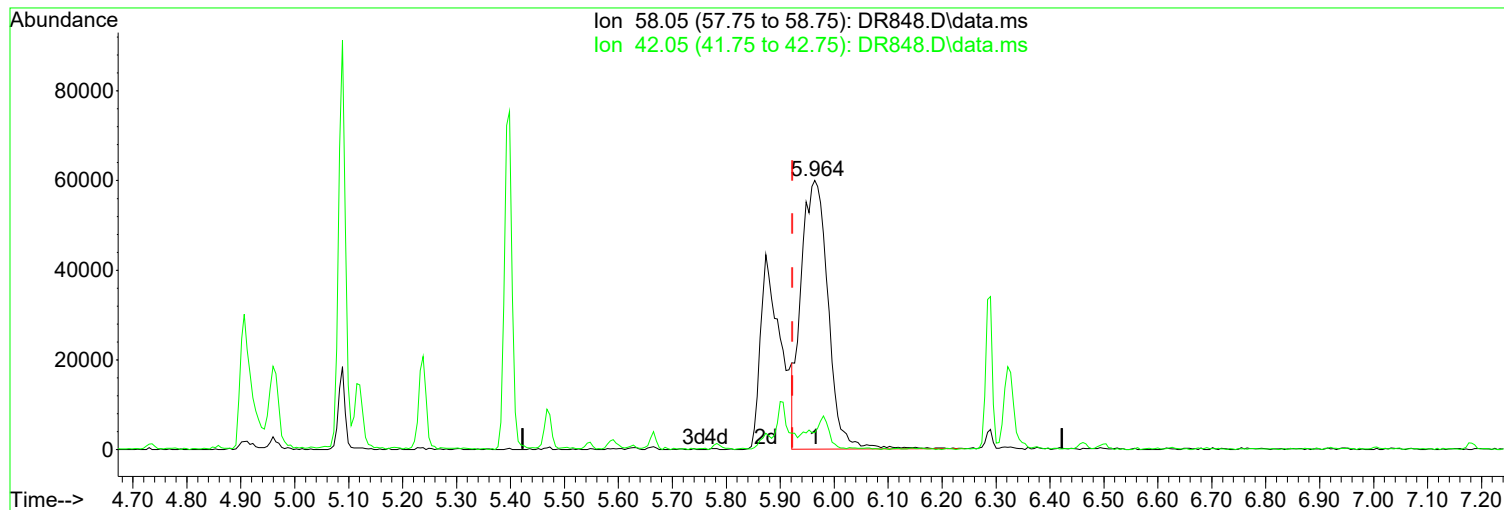
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
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Quant Time: May 01 09:43:24 2019
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 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
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TIC: DR848.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.964min (+ 0.042) 27.05 ppm

Before

response 209045

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	3.82
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	109887	40.00	ppm	0.00
33) d8-Naphthalene	5.905	136	407486	40.00	ppm	0.00
57) d10-Acenaphthene	7.614	164	204693	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	313390	40.00	ppm	0.00
117) d12-Chrysene	12.357	240	284009	40.00	ppm	0.00
135) d12-Perylene	15.290	264	279566	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	307572	76.95	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	76.95%#
12) SURR2,PHENOL-D6	4.420	99	390866	79.60	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	79.60%
34) SURR4,NITROBENZENE-D5	5.238	82	314328	76.02	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	152.04%#
63) SURR5,2-FLUOROBIPHENYL	6.947	172	596169	76.59	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	153.18%#
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	64750	77.25	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	77.25%
124) SURR6,TERPHENYL-D14	10.771	244	532000	79.52	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	159.04%

Target Compounds						Qvalue
2) Pyridine	2.615	79	144794	33.731	ppm	95
3) N-Nitrosodimethylamine	2.583	74	71084	27.709	ppm	97
4) 2-Picoline	3.192	93	144479	33.104	ppm	98
5) N-Nitrosomethylamine	3.283	42	57467	32.551	ppm	99
6) Methyl Methansulfonate	3.523	80	174238	87.638	ppm	98
8) N-Nitrosodiethylamine	3.833	102	156154	80.123	ppm	84
9) Ethyl Mathanesulfonate	4.073	79	97190	28.929	ppm	96
11) Aniline	4.452	93	198201	31.626	ppm	95
13) Phenol	4.436	94	413777	77.048	ppm	94
14) bis(2-Clethyl)Ether	4.495	93	300416	80.848	ppm	98
15) Pentachloroethane	4.490	117	117230	78.356	ppm	95
16) 2-Chlorophenol	4.559	128	348816	82.688	ppm	97
17) 1,3-Diclbzene	4.682	146	359385	81.860	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	360849	80.318	ppm	96
19) 1,2-Diclbzene	4.885	146	337641	78.655	ppm	99
20) Benzyl Alcohol	4.858	79	239826	83.942	ppm	94
21) 1-Methyl-2-pyrrolidinone	4.906	99	91994	35.231	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	353749	99.076	ppm	95
23) 2-Methylphenol	4.965	108	295393	78.040	ppm	96
24) 3+4-Methylphenol	5.104	108	323506	75.534	ppm	93
25) Acetophenone	5.093	105	166359	31.274	ppm	85
26) N-Nitroso-Di-n-propyla...	5.088	70	94953	33.097	ppm	97
27) N-Nitrosopyrrolidine	5.088	100	69005	33.077	ppm	97
28) N-Nitrosomorpholine	5.120	56	62504	30.438	ppm	97
29) o-Toluidine	5.125	106	192806m	32.639	ppm	
30) Hexachloroethane	5.184	117	139329	80.571	ppm	97
31) o,o,o-Triethylphosphor...	5.628	198	61548	34.174	ppm	91
32) Alpha-terpinol	5.927	121	48910	34.844	ppm	92
35) Nitrobenzene	5.254	77	323915	77.992	ppm	98
36) N-Nitrosopiperidine	5.398	42	75003	33.225	ppm	89
37) Isophorone	5.467	82	498246	71.974	ppm	99
38) 2-Nitrophenol	5.547	139	180494	83.999	ppm	98
39) 2,4-Dimethylphenol	5.585	107	324014	83.736	ppm	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.665	93	351413	86.338	ppm	99
42) 2,4-Dichlorophenol	5.782	162	259386	84.629	ppm	96
43) a,a-Dimethylphenethyla...	5.964	58	321567m	41.615	ppm	
44) 1,2,4-Trichlorobenzene	5.846	180	261886	81.038	ppm	98
45) Naphthalene	5.927	128	944199	84.073	ppm	99
46) 4-Chloroaniline	5.985	127	372688	79.306	ppm	99
47) 2,6-Dichlorophenol	5.991	162	253657	79.142	ppm	99
48) Hexachlorobutadiene	6.028	225	131738	80.455	ppm	96
49) Hexachloropropene	5.996	213	160542	78.471	ppm	100
50) 4-Chloro-3-methylphenol	6.461	107	262856	85.869	ppm	96
51) N-N-di-n-butylamine	6.290	84	79037	32.559	ppm	97
52) Caprolactam	6.322	113	39150	32.225	ppm	97
53) p-Phenylenediamine	6.338	80	462	0.590	ppm	# 21
54) Safrole	6.498	162	230278	79.880	ppm	98
55) 2-Methylnaphthalene	6.589	142	580441	79.860	ppm	97
56) 1-Methylnaphthalene	6.685	142	584388	85.940	ppm	99
58) Hexachlorocyclopentadiene	6.733	237	118843	81.880	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.749	216	234967	77.993	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.032	216	99556	31.383	ppm	100
61) 2,4,6-Trichlorophenol	6.872	196	166314	87.159	ppm	98
62) 2,4,5-Trichlorophenol	6.925	196	162706	79.278	ppm	99
64) Isosafrole	7.006	104	40259	30.582	ppm	85
65) 1,1'-Biphenyl	7.043	154	293710	32.390	ppm	97
66) 2-Chloronaphthalene	7.070	162	520430	79.407	ppm	100
67) 2-Nitroaniline	7.182	65	60788	32.447	ppm	89
68) 1,4-Naphthoquinone	7.257	158	74679	36.296	ppm	96
69) m-Dinitrobenzene	7.401	168	101249	78.630	ppm	91
70) Acenaphthylene	7.476	152	871112	82.982	ppm	99
71) Dimethyl phthalate	7.347	163	557070	72.699	ppm	98
72) 2,6-Dinitrotoluene	7.417	165	134363	77.237	ppm	96
73) Acenaphthene	7.646	153	562619	77.043	ppm	98
74) 3-Nitroaniline	7.588	138	67820	33.913	ppm	94
75) 2,4-Dinitrophenol	7.700	184	56352	83.121	ppm	84
76) Dibenzofuran	7.817	168	726376	80.550	ppm	99
77) 2,4-Dinitrotoluene	7.817	165	179362	78.068	ppm	97
78) 4-Nitrophenol	7.801	65	105728	80.582	ppm	# 41
79) Pentachlorobenzene	7.775	250	186333	77.177	ppm	97
80) 1-Napthylamine	7.903	143	157773	33.223	ppm	97
81) 2-Napthylamine	7.983	143	158259	26.172	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.946	232	109500	79.525	ppm	93
83) Fluorene	8.154	166	576685	77.779	ppm	100
84) 4-Chlorophenyl-phenyle...	8.149	204	253715	84.821	ppm	98
85) Diethylphthalate	8.036	149	550011	72.478	ppm	98
86) 4-Nitroaniline	8.202	138	68768	34.862	ppm	95
87) 5-Nitro-o-toluidine	8.181	152	71955	32.129	ppm	100
89) Sulfotepp	8.416	322	77194	81.503	ppm	98
90) Octachlorocyclopentene	8.394	307	30405	31.535	ppm	95
92) Thionazin	8.116	107	37889	30.817	ppm	98
93) 4,6-Dinitro-2-methylph...	8.223	198	104180	86.239	ppm	94
94) Diphenylamine	8.271	169	360803	65.152	ppm	99
95) 1,2 Diphenylhydrazine	8.309	77	220545	31.559	ppm	94
96) N-Nitrosodiphenylamine	8.271	169	360803	65.152	ppm	99
97) 1,3,5-Trinirobenzene	8.597	74	82038	82.078	ppm	96
98) Diallate	8.544	86	85510	29.676	ppm	97
99) Phorate	8.554	121	47862	33.017	ppm	97
100) Phenacetin	8.597	108	125202	34.292	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

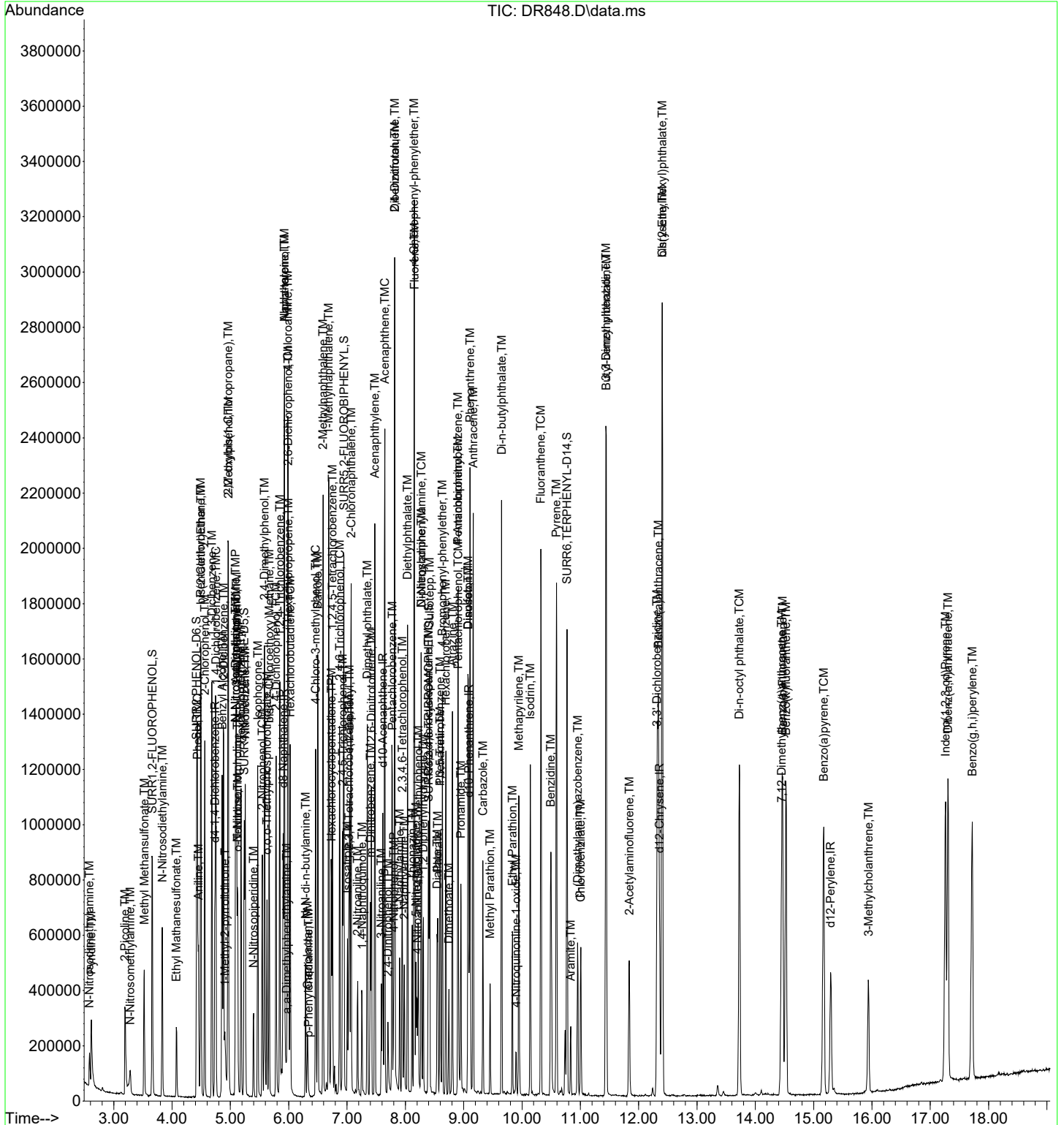
Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 4-Bromophenyl-phenylether	8.635	248	136182	83.105	ppm	96
102) Hexachlorobenzene	8.693	284	140685	76.344	ppm	96
103) Dimethoate	8.747	87	69683	29.101	ppm	95
104) Atrazine	8.805	215	76941	85.866	ppm	99
105) Pentachlorophenol	8.907	266	56315	82.458	ppm	99
106) 4-Aminobiphenyl	8.902	169	180788	32.128	ppm	97
107) Pentachloronitrobenzene	8.902	237	56181	82.524	ppm	94
108) Pronamide	8.950	173	112086	34.981	ppm	98
109) Dinoseb	9.072	211	124811	78.498	ppm	96
110) Disulfoton	9.072	88	122998	35.784	ppm	91
111) Phenanthrene	9.110	178	781328	78.835	ppm	99
112) Anthracene	9.163	178	783477	79.561	ppm	98
113) Carbazole	9.329	167	322224	33.311	ppm	99
114) Di-n-butylphthalate	9.649	149	988324	79.048	ppm	99
115) 4-Nitroquinonline-1-oxide	9.900	190	17060	29.101	ppm	89
116) Fluoranthene	10.322	202	828026	81.607	ppm	99
118) Methyl Parathion	9.452	109	65405	29.048	ppm	92
119) Ethyl Parathion	9.836	97	55198	32.812	ppm	95
120) Methapyrilene	9.943	58	319013	130.356	ppm	99
121) Isodrin	10.141	193	83037	79.966	ppm	98
122) Benzidine	10.493	184	548565	82.317	ppm	99
123) Pyrene	10.589	202	855730	82.052	ppm	99
125) Aramite	10.835	185	49320m	34.501	ppm	
126) p-(Dimethylamino)azobe...	10.953	120	110438	35.645	ppm	95
127) Chlorobenzilate	11.006	139	122540	33.855	ppm	91
128) Butyl benzyl phthalate	11.444	149	458507	79.249	ppm	99
129) 3,3-Dimethylbenzidine	11.439	212	511368	80.613	ppm	97
130) 2-Acetylaminofluorene	11.839	181	156450	33.860	ppm	98
131) 3,3'-Dichlorobenzidine	12.315	252	284529	75.318	ppm	99
132) Benzo(a)anthracene	12.336	228	750034	77.774	ppm	98
133) Chrysene	12.405	228	733193	82.643	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.405	149	624678	78.462	ppm	97
136) Di-n-octyl phthalate	13.725	149	1015108	76.510	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	138203	32.701	ppm	96
138) Benzo(b)Fluoranthene	14.467	252	738499	79.380	ppm	99
139) Benzo(k)fluoranthene	14.526	252	716890	81.359	ppm	96
140) Benzo(a)pyrene	15.172	252	663908	82.980	ppm	97
141) 3-Methylcholanthrene	15.941	268	148523	31.696	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.260	276	631768	80.518	ppm	96
143) Dibenz(a,h)anthracene	17.303	278	652317	79.347	ppm	99
144) Benzo(g,h,i)perylene	17.720	276	627174	92.744	ppm	99

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

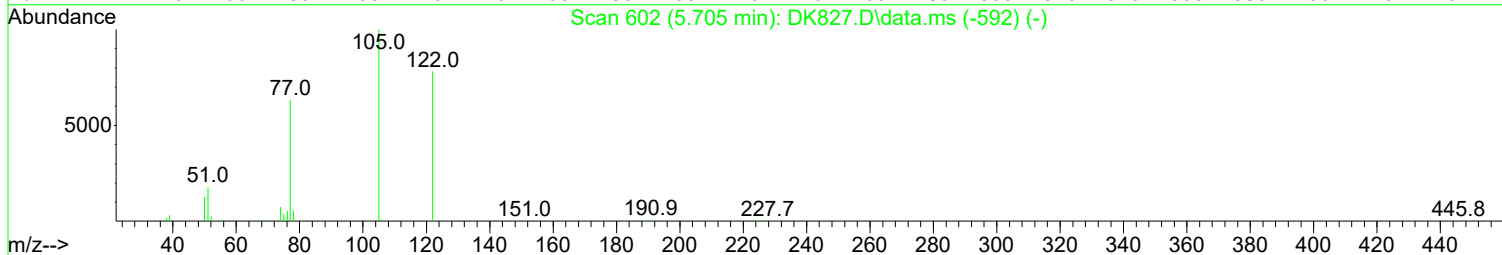
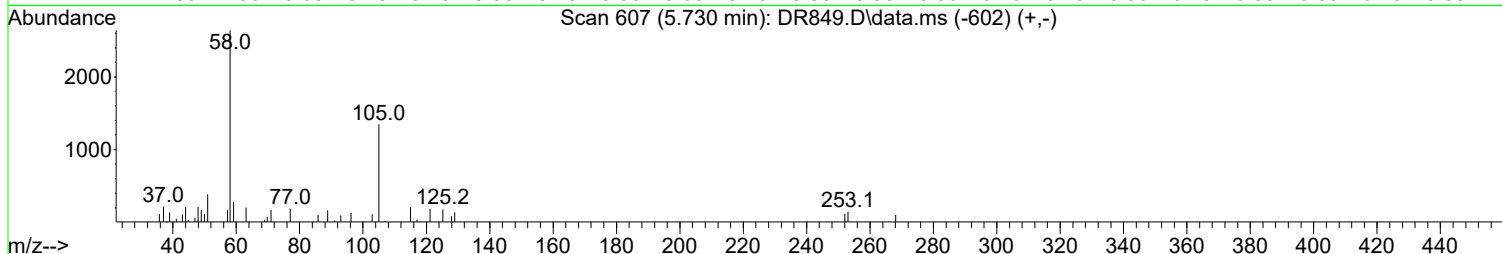
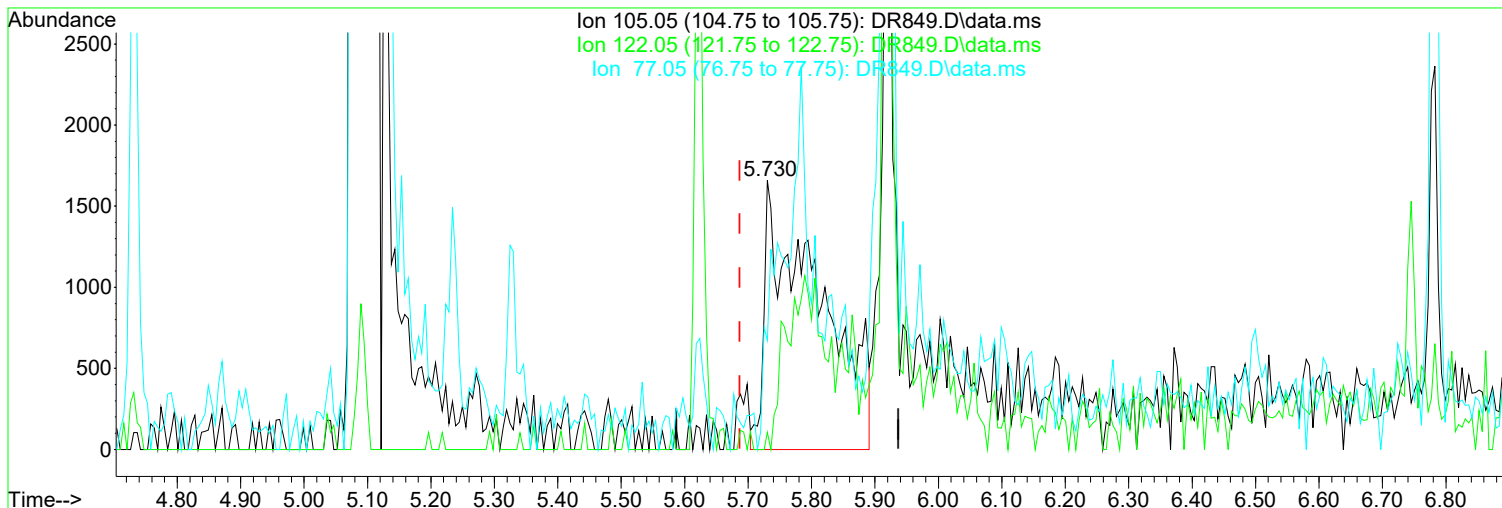
Data Path : I:\ACQDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM)

Manual Integration:

5.730min (+ 0.043) 22.98 ppm m

After

response 9800

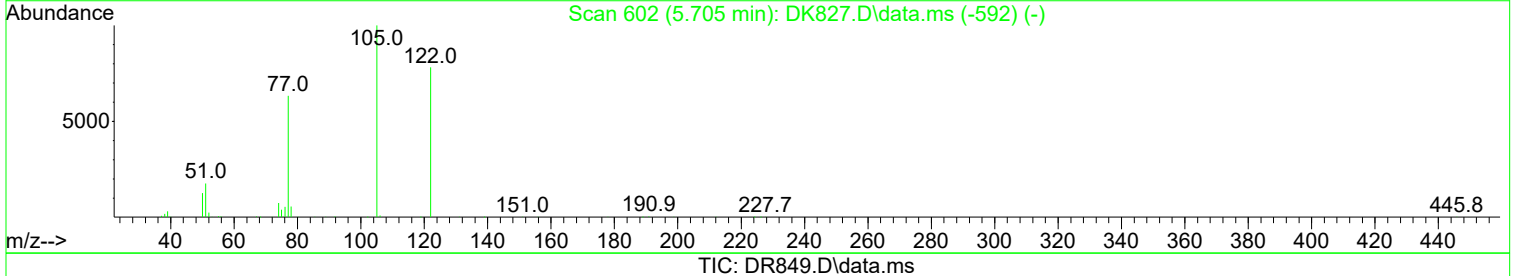
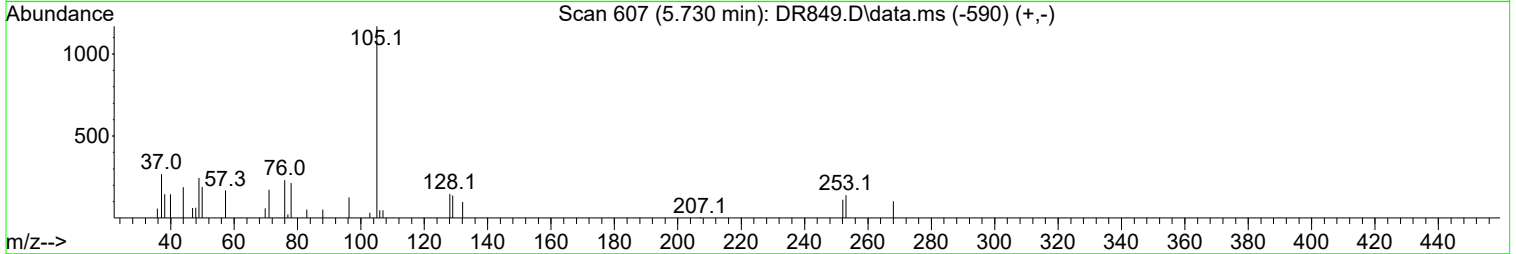
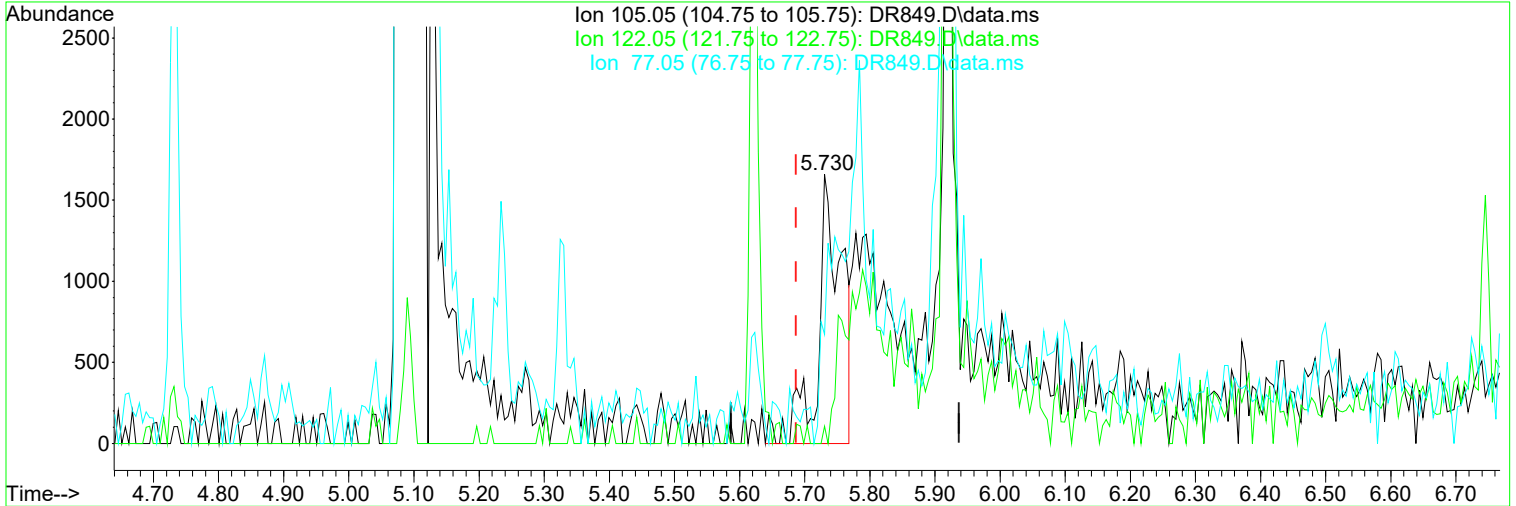
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	6.45#
77.05	69.60	40.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM) Manual Integration:

5.730min (+ 0.043) 19.45 ppm Before

response 4134

Ion	Exp%	Act%	
105.05	100.00	100.00	05/01/19
122.05	82.40	0.00#	
77.05	69.60	1.92#	
0.00	0.00	0.00	

Analysis: 8270/625
 Date: 4/30/19
 Syringes: _____

Analyst: OMIS, uncl, LR
 Instr. 5973A R-MS-51

Run Method: 8270A/TUNE
 Quant Method: 820043019A.M
 LIMS Run#: 633877

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			12534	-	
2	TUNE		198691	35	(N)	
2	TUNE		↓	36	YT	8:01
3	CCV			37	(N)	recalibrate
4	Blk			38	Y	
5	1 ppm STD		199023	39	Y	
6	2.5		24	40	Y	
7	5.0		25	41	Y	
8	10		26	42	Y	
9	50		27	43	Y	
10	80		28	44	Y	
11	100		29	45	Y	
12	120		30	46	Y	
13	160		↓ 31	47	Y	
14	ICV #1	199034	198999	48	Y	
15	↓ #2		199000	49	Y	Ammonium / benzoic Acid only
16	CCV		199028	50	Y	
17	RQ1903557-01	Blk	335128	51	Y	
18	↓ -02	LCS	(625)	52	Y	
19	↓ -03	LCS		53	Y	
20	R1903386-001			54	Y	
21	RQ1903613-01	Blk	335197	55	Y	
22	↓ -02	LCS	(625)	56	Y	
23	↓ -03	LCS		57	Y	
24	R1903480-003			58	Y	
25	R1903500-001			59	Y	
26	RQ1903742-01	Blk	335378	60	Y	
27	↓ -02	LCS	(625)	61	Y	
28	↓ -03	LCS		62	Y	
29	R1903515-002			63	Y	
30	R1903505-001			64	Y	
31	↓ -002			65	Y	10:50
32	↓ -003			66	(N)	OUT OF TUNE 11:18

All samples = 1 mL + 10 uL Combined IS/Surr.; (97704)

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/30/19 8:01

ICAL Tune Summary
Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQU\DATA\5973A\DATA\043019\DR836.D
Instrument ID: R-MS-51

Analytical Method: 8270D

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.0	36473	PASS
70	69	0	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	100	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
LK	BLK	I:\ACQU\DATA\5973A\DATA\043019\DR838.D	4/30/19 9:12
ppm STD	1 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR839.D	4/30/19 9:40
.5 ppm STD	2.5 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR840.D	4/30/19 10:09
.0 ppm STD	5.0 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR841.D	4/30/19 10:38
0 ppm STD	10 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR842.D	4/30/19 11:08
0 ppm STD	50 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR843.D	4/30/19 12:00
0 ppm STD	80 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR844.D	4/30/19 12:34
00 ppm STD	100 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR845.D	4/30/19 13:03
20 ppm STD	120 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR846.D	4/30/19 13:33
60 ppm STD	160 ppm STD	I:\ACQU\DATA\5973A\DATA\043019\DR847.D	4/30/19 14:03
ICV	ICV	I:\ACQU\DATA\5973A\DATA\043019\DR848.D	4/30/19 14:39
ICV #2	ICV #2	I:\ACQU\DATA\5973A\DATA\043019\DR849.D	4/30/19 15:07

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/30/2019

Initial Calibration Summary
TCLP Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900050-01	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	04/30/2019 09:40
02	RC1900050-02	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	04/30/2019 10:09
03	RC1900050-03	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	04/30/2019 10:38
04	RC1900050-04	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	04/30/2019 11:08
05	RC1900050-05	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	04/30/2019 12:00
06	RC1900050-06	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	04/30/2019 12:34
07	RC1900050-07	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	04/30/2019 13:03
08	RC1900050-08	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	04/30/2019 13:33
09	RC1900050-09	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	04/30/2019 14:03

Analyte

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.655	02	2.500	1.568	03	5.000	1.668	04	10.000	1.672
05	50.000	1.707	06	80.000	1.655	07	100.000	1.606	08	120.000	1.577
09	160.000	1.611									

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3726	02	2.500	0.3953	03	5.000	0.3995	04	10.000	0.3978
05	50.000	0.4221	06	80.000	0.4104	07	100.000	0.4098	08	120.000	0.3978
09	160.000	0.4042									

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1747	02	2.500	0.1654	03	5.000	0.1551	04	10.000	0.1612
05	50.000	0.172	06	80.000	0.1608	07	100.000	0.1599	08	120.000	0.1637
09	160.000	0.1614									

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.318	02	2.500	0.3439	03	5.000	0.3526	04	10.000	0.3849
05	50.000	0.4128	06	80.000	0.3803	07	100.000	0.3863	08	120.000	0.3863
09	160.000	0.3908									

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4438	02	2.500	0.4351	03	5.000	0.4267	04	10.000	0.442
05	50.000	0.4752	06	80.000	0.4482	07	100.000	0.4512	08	120.000	0.452
09	160.000	0.4666									

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.479	02	2.500	1.572	03	5.000	1.593	04	10.000	1.548
05	50.000	1.601	06	80.000	1.487	07	100.000	1.466	08	120.000	1.458
09	160.000	1.486									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/30/2019

Initial Calibration Summary
TCLP Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.443	02	2.500	1.427	03	5.000	1.463	04	10.000	1.514
05	50.000	1.504	06	80.000	1.479	07	100.000	1.452	08	120.000	1.397
09	160.000	1.415									

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.46	02	2.500	1.444	03	5.000	1.364	04	10.000	1.378
05	50.000	1.437	06	80.000	1.349	07	100.000	1.318	08	120.000	1.307
09	160.000	1.343									

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.649	02	2.500	1.542	03	5.000	1.493	04	10.000	1.598
05	50.000	1.615	06	80.000	1.56	07	100.000	1.524	08	120.000	1.519
09	160.000	1.531									

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2539	02	2.500	0.2613	03	5.000	0.2392	04	10.000	0.2554
05	50.000	0.2352	06	80.000	0.22	07	100.000	0.215	08	120.000	0.2188
09	160.000	0.218									

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1514	02	2.500	0.171	03	5.000	0.1631	04	10.000	0.1734
05	50.000	0.1623	06	80.000	0.16	07	100.000	0.1521	08	120.000	0.1507
09	160.000	0.1627									

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7048	02	2.500	0.5747	03	5.000	0.6452	04	10.000	0.6405
05	50.000	0.654	06	80.000	0.6191	07	100.000	0.6152	08	120.000	0.6045
09	160.000	0.6072									

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4148	02	2.500	0.4549	03	5.000	0.4187	04	10.000	0.4227
05	50.000	0.4188	06	80.000	0.4018	07	100.000	0.379	08	120.000	0.367
09	160.000	0.3915									

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4335	02	2.500	0.4454	03	5.000	0.4165	04	10.000	0.4138
05	50.000	0.4086	06	80.000	0.4029	07	100.000	0.3797	08	120.000	0.3625
09	160.000	0.3902									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/30/2019

Initial Calibration Summary
TCLP Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.03174	04	10.000	0.04305	05	50.000	0.085	06	80.000	0.08922
07	100.000	0.09108	08	120.000	0.09206	09	160.000	0.1045			

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.6	02	2.500	1.787	03	5.000	1.767	04	10.000	1.795
05	50.000	1.955	06	80.000	1.837	07	100.000	1.811	08	120.000	1.769
09	160.000	1.765									

Pyridine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.278	02	2.500	1.341	03	5.000	1.591	04	10.000	1.619
05	50.000	1.757	06	80.000	1.694	07	100.000	1.627	08	120.000	1.595
09	160.000	1.56									

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9164	02	2.500	0.9555	03	5.000	0.9282	04	10.000	0.9467
05	50.000	0.9983	06	80.000	0.9604	07	100.000	0.9567	08	120.000	0.9219
09	160.000	0.8965									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/30/2019

Initial Calibration Summary
TCLP Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,4-Dichlorobenzene	TRG	Average RF	% RSD	2.9	20	1.635	
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	3.4	20	0.4011	0.200
2,4,6-Tribromophenol	SURR	Average RF	% RSD	3.8	20	0.1638	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	7.8	20	0.3729	0.200
2,4-Dinitrotoluene	TRG	Average RF	% RSD	3.3	20	0.449	0.200
2-Fluorobiphenyl	SURR	Average RF	% RSD	3.8	20	1.521	
2-Fluorophenol	SURR	Average RF	% RSD	2.7	20	1.455	
2-Methylphenol	TRG	Average RF	% RSD	4.1	20	1.378	0.700
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	3.3	20	1.559	0.600
Hexachlorobenzene	TRG	Average RF	% RSD	7.7	20	0.2352	0.100
Hexachlorobutadiene	TRG	Average RF	% RSD	5.1	20	0.1607	0.010
Hexachloroethane	TRG	Average RF	% RSD	5.9	20	0.6295	0.300
Nitrobenzene	TRG	Average RF	% RSD	6.4	20	0.4077	0.200
Nitrobenzene-d5	SURR	Average RF	% RSD	6.4	20	0.4059	
Pentachlorophenol (PCP)	TRG	Quadratic	COD	0.9980	0.99	0.07666	0.050
Phenol-d6	SURR	Average RF	% RSD	5.1	20	1.787	
Pyridine	TRG	Average RF	% RSD	10.0	20	1.563	
p-Terphenyl-d14	SURR	Average RF	% RSD	3.2	20	0.9423	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/30/2019

Initial Calibration Verification Summary
TCLP Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900050-10	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	04/30/2019 14:39
11	RC1900050-11	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	04/30/2019 15:07

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,4-Dichlorobenzene	80.0	80.3	1.635E0	1.642E0	0.398	±30	Average RF
2,4,5-Trichlorophenol	80.0	79.3	4.011E-1	3.974E-1	-0.902	±30	Average RF
2,4,6-Trichlorophenol	80.0	87.2	3.729E-1	4.063E-1	8.95	±30	Average RF
2,4-Dinitrotoluene	80.0	78.1	4.49E-1	4.381E-1	-2.416	±30	Average RF
2-Methylphenol	80.0	78.0	1.378E0	1.344E0	-2.450	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	75.5	1.559E0	1.472E0	-5.582	±30	Average RF
Hexachlorobenzene	80.0	76.3	2.352E-1	2.245E-1	-4.570	±30	Average RF
Hexachlorobutadiene	80.0	80.5	1.607E-1	1.616E-1	0.569	±30	Average RF
Hexachloroethane	80.0	80.6	6.295E-1	6.34E-1	0.713	±30	Average RF
Nitrobenzene	80.0	78.0	4.077E-1	3.975E-1	-2.510	±30	Average RF
Pentachlorophenol (PCP)	80.0	82.5	7.666E-2	8.985E-2	3.07	±30	Quadratic
Pyridine	32.0	33.7	1.563E0	1.647E0	5.41	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	1.638E-1	1.582E-1	-3.438	±30	Average RF
2-Fluorobiphenyl	80.0	76.6	1.521E0	1.456E0	-4.259	±30	Average RF
2-Fluorophenol	80.0	77.0	1.455E0	1.399E0	-3.810	±30	Average RF
Nitrobenzene-d5	80.0	76.0	4.059E-1	3.857E-1	-4.978	±30	Average RF
Phenol-d6	80.0	79.6	1.787E0	1.778E0	-0.501	±30	Average RF
p-Terphenyl-d14	80.0	79.5	9.423E-1	9.366E-1	-0.605	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 08:41

Continuing Calibration Verification (CCV) Summary
TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635338
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,4-Dichlorobenzene	80.0	78.1	1.6354	1.5958	-2.4	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	83.3	0.4011	0.4177	4.1	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	85.9	0.3729	0.4002	7.3	NA	±20	Average RF
2,4-Dinitrotoluene	80.0	81.7	0.449	0.4583	2.1	NA	±20	Average RF
2-Methylphenol	80.0	79.1	1.3778	1.3617	-1.2	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	79.5	1.559	1.5501	-0.6	NA	±20	Average RF
Hexachlorobenzene	80.0	81.6	0.2352	0.24	2.1	NA	±20	Average RF
Hexachlorobutadiene	80.0	80.6	0.1607	0.1619	0.7	NA	±20	Average RF
Hexachloroethane	80.0	78.2	0.6295	0.615	-2.3	NA	±20	Average RF
Nitrobenzene	80.0	77.9	0.4077	0.3969	-2.6	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	108	0.0767	0.1249	NA	34.4*	±20	Quadratic
Pyridine	80.0	85.0	1.5626	1.6592	6.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	88.5	0.1638	0.1812	10.6	NA	±20	Average RF
2-Fluorobiphenyl	80.0	77.5	1.521	1.4739	-3.1	NA	±20	Average RF
2-Fluorophenol	80.0	78.9	1.4549	1.4341	-1.4	NA	±20	Average RF
Nitrobenzene-d5	80.0	78.5	0.4059	0.3984	-1.8	NA	±20	Average RF
Phenol-d6	80.0	80.5	1.7875	1.799	0.6	NA	±20	Average RF
p-Terphenyl-d14	80.0	83.0	0.9423	0.9772	3.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

Analysis Run Log
TCLP Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:635338
Instrument ID:R-MS-51

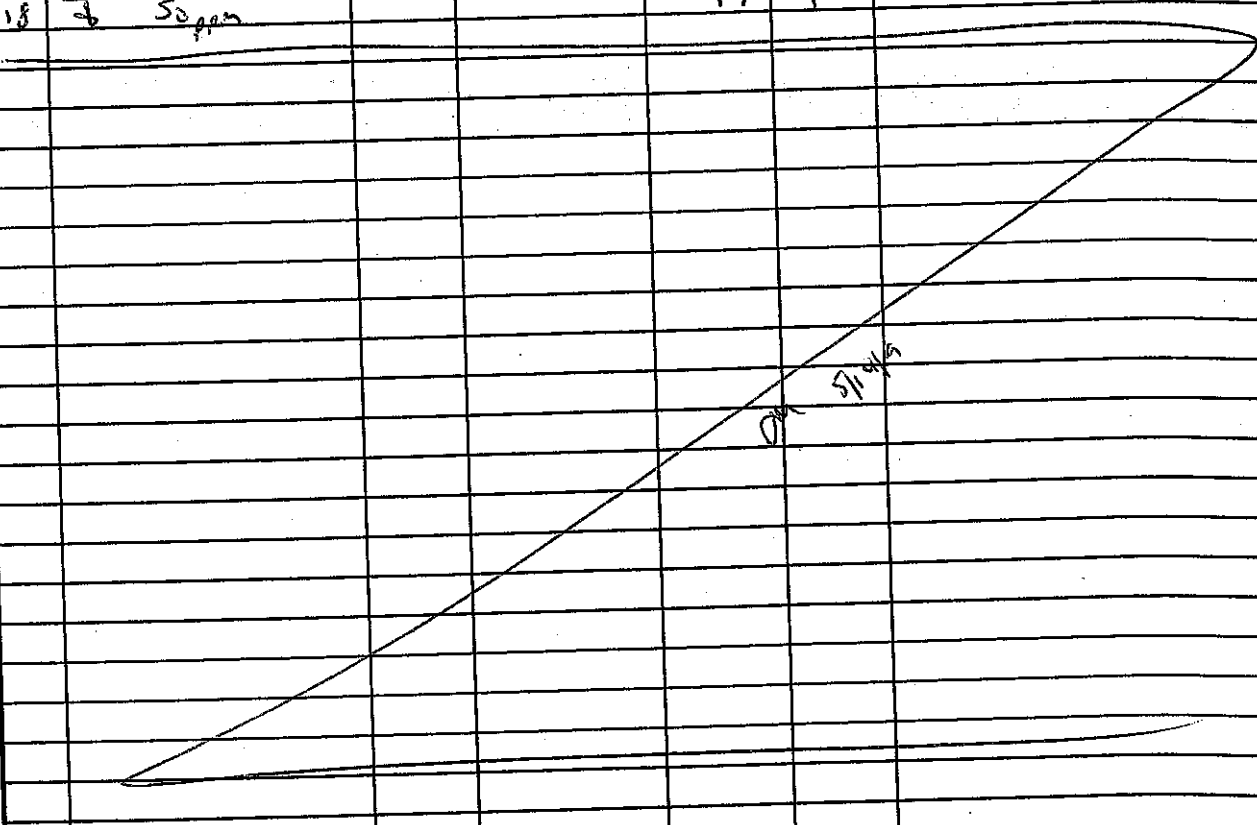
Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
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I:\ACQUDATA\5973A\DATA\051319\DS001.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUDATA\5973A\DATA\051319\DS002.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319\DS002.D\	Continuing Calibration Verification	RQ1904520-04	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319\DS004.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUDATA\5973A\DATA\051319\DS004.D\	Method Blank	RQ1904365-01	5/13/2019	09:38:00	
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I:\ACQUDATA\5973A\DATA\051319\DS006.D\	Duplicate Lab Control Sample	RQ1904365-03	5/13/2019	10:36:00	
I:\ACQUDATA\5973A\DATA\051319\DS007.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	11:05:00	
I:\ACQUDATA\5973A\DATA\051319\DS009.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:06:00	
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I:\ACQUDATA\5973A\DATA\051319\DS013.D\	IDW-1	R1903955-001	5/13/2019	14:04:00	
I:\ACQUDATA\5973A\DATA\051319\DS014.D\	Method Blank	RQ1904325-01	5/13/2019	14:34:00	
I:\ACQUDATA\5973A\DATA\051319\DS015.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	15:21:00	
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Analysis: 5270/625
 Date: 5/13/19
 Syringes: _____

Analyst: Misiorzwa
 Instr. 5973A R-MS-51

Run Method: 8710A-TV.L
 Quant Method: 870043419A.M
 LIMS Run#: 635338

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			02995	—	
1	Blk			99	—	
2	Tune		199257	DS001	Y	
3	CCV		199358	02	Y	
4	CCV		199198	03	N	
5	RQ1904334-01	Blk	336273 330	04	Y	RQ1904365-01
6	↓ 02	LC5		05	Y	↓ 02
7	↓ 03	LC5P		06	Y	↓ 03
8	R1903830-001	5.0	336273	07	Y	
9	R1903956-001	10		08	(N)	ART Y20
10	R1904009-001	5.0		09	Y	Large NIS
11	↓ 02	5.0		10	Y	↓
12	R1903839-002		336330	11	Y	
13	R1903897-001			12	Y	
14	R1903955-001			13	Y	
15	RQ1904325-01			14	Y	
16	RQ1904142-01	Blk	335967 (Solv)	15	Y	
17	MOL 10ppm			16	Y	
18	↓ 50ppm			17	Y	



All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Secondary: _____ exp: _____
 Primary: _____ exp: _____
 Secondary: _____ exp: _____
 Reagents: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903955

**Toxicity Characteristics Leachate Procedure (TCLP)
TCLP Semivolatile Organic Compounds by GC/MS**

Prep Method: EPA 3510C
Analytical Method: 8270D

Extraction Lot: 336330
Extraction Date: 05/09/19 12:41

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-1	R1903955-001	4/30/19	5/2/19	100 mL	1 mL	
Method Blank	RQ1904325-01MB	NA	NA	100 mL	1 mL	
Method Blank	RQ1904365-01MB	NA	NA	1000.0000	1 mL	
Lab Control Sample	RQ1904365-02LCS	NA	NA	1000.0000	1 mL	
Duplicate Lab Control Sample	RQ1904365-03DLCS	NA	NA	1000.0000	1 mL	

Preparation Information Benchsheet

Prep Run#: 336330 **Prep Workflow:** OrgExTLp **Status:** Prepped
Team: Semivoa GCMS/VSTAUFFER **Prep Method:** EPA 3510C **Prep Date/Time:** 5/9/19 12:41

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904365-01	MB		1000mL	8270D/SVO TCLP	7			1.00mL	clear/colorless	0.5000 mL/198546	
2	RQ1904365-02	LCS		1000mL	8270D/SVO TCLP	7			1.00mL	clear/colorless	0.5000 mL/198546; 1.0000 mL/199258; 0.5000 mL/198943; 0.5000 mL/198761	
3	RQ1904365-03	DLCS		1000mL	8270D/SVO TCLP	7			1.00mL	clear/colorless	0.5000 mL/198761; 0.5000 mL/198546; 1.0000 mL/199258; 0.5000 mL/198943	
4	R1903839-002	Sludge		100mL	8270D/SVO TCLP	5			1.00mL	clear/colorless	0.5000 mL/198546	
5	R1903897-001	U-60/67		100mL	8270D/SVO TCLP	7			1.00mL	clear/colorless	0.5000 mL/198546	
6	R1903955-001	IDW-1		100mL	8270D/SVO TCLP	6			1.00mL	clear/colorless	0.5000 mL/198546	
7	RQ1904325-01	MB		100mL	8270D/SVO TCLP	5			1.00mL	clear/colorless	0.5000 mL/198546	

Spiking Solutions

Name: 8270 Soil Surrogate 100-200ppm **Inventory ID:** 198546 **Logbook Ref:** **Expires On:** 10/09/2019
Name: OLM/SOM additional Spike 100ppm **Inventory ID:** 198761 **Logbook Ref:** **Expires On:** 05/28/2019
Name: 8270 LCS-NSI **Inventory ID:** 198943 **Logbook Ref:** **Expires On:** 10/31/2019
Name: Benzidine LCS Spike 100ppm **Inventory ID:** 199258 **Logbook Ref:** **Expires On:** 11/05/2019

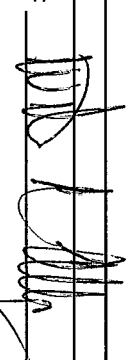
Preparation Materials

Eppendorf Pipette Repeater **EXT #18 (184837)** **Sulfuric Acid, 50% H2SO4** (199179)
Sodium Hydroxide 50% NaOH (198594) **pH Paper 0-14** (198395)
Dichloromethane (Methylene Chloride) 99.9% MeCl2 canister (198936)
Prepared Sodium Sulfate Na2SO4 (199178)

Preparation Steps

Step: Extraction **Step:** Florisil Col Clean-EPA 362i **Step:** Final Volume
Started: 5/9/19 12:41 **Started:** 5/10/19 08:45 **Started:** 5/10/19 11:50
Finished: 5/9/19 16:43 **Finished:** 5/10/19 11:50 **Finished:** 5/10/19 12:05
By: VSTAUFFER **By:** BALLGEIER **By:** BALLGEIER
Comments **Comments** **Comments**

Comments:

Reviewed By:  **Date:** 5/13/19 **Spike Witness:** AMOSES **Date:**

Preparation Information Benchsheet

Prep Run#: 336330
Team: Semivoa GCMS/VSTAUFFER

Prep Workflow: OrgExLP
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 5/9/19 12:41

Chain of Custody

Relinquished By: _____	Date: _____	<u>Extracts Examined</u>
Received By: _____	Date: _____	Yes No



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
Prep Method: EPA 3510C

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Chlordane	2.5 U	2.5	1	05/13/19 15:05	5/9/19	
Endrin	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
gamma-BHC (Lindane)	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Heptachlor	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Heptachlor Epoxide	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Methoxychlor	0.50 U	0.50	1	05/13/19 15:05	5/9/19	
Toxaphene	5.0 U	5.0	1	05/13/19 15:05	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	43	10 - 164	05/13/19 15:05	
Tetrachloro-m-xylene	71	10 - 147	05/13/19 15:05	

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4086.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 03:05 pm
 Operator : a.moses
 Sample : r1903955-001
 Misc : 336341 TCLP
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:21 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

System Monitoring Compounds

1) S SURR1,Tet...	3.035	3.645	326.5E6	3313.3E6	70.512	73.607
Spiked Amount	100.000	Range	30 - 150	Recovery	= 70.51%	73.61%
26) S SURR2,Dec...	8.227	8.759	197.8E6	1892.4E6	43.218	46.909
Spiked Amount	100.000	Range	30 - 150	Recovery	= 43.22%	46.91%

Target Compounds

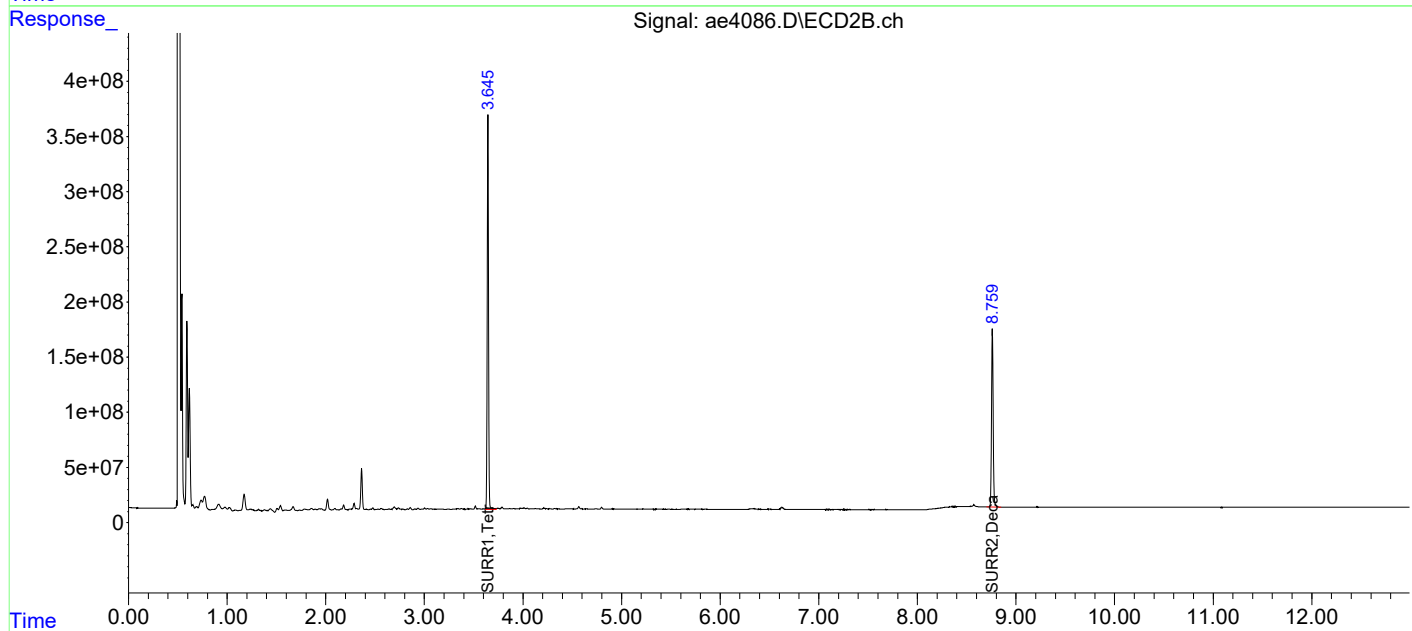
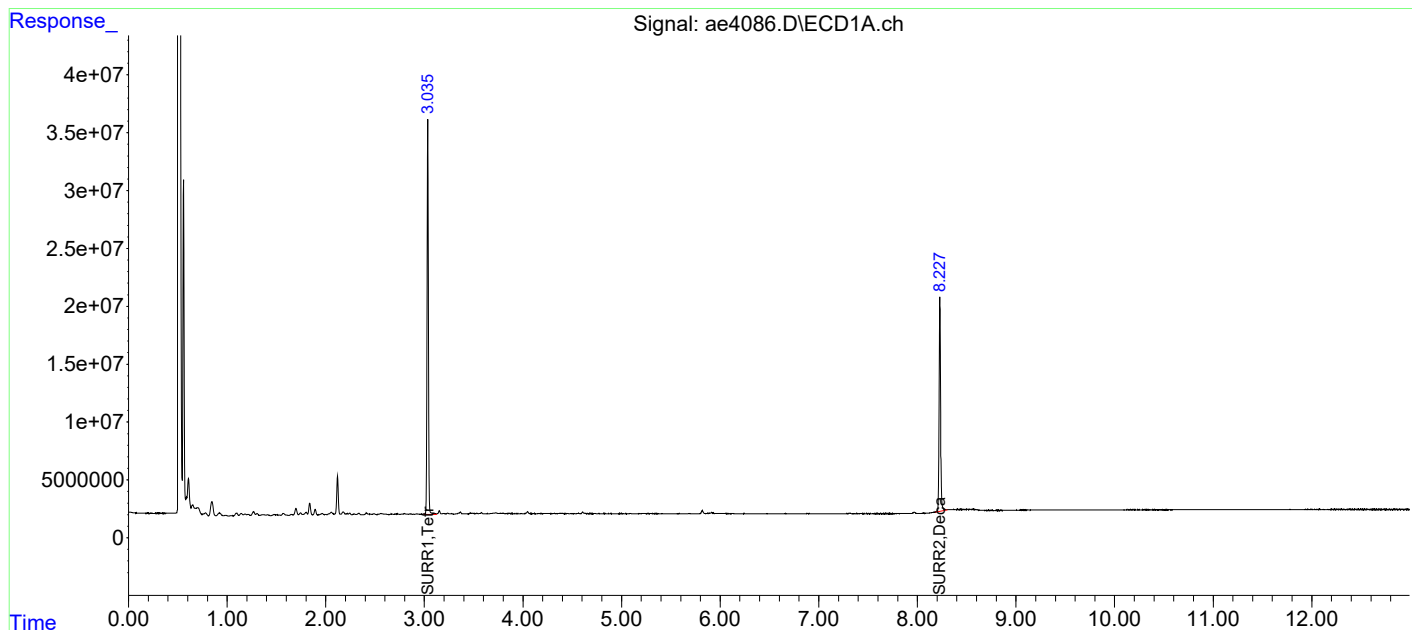
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 03:05 pm
Operator : a.moses
Sample : r1903955-001
Misc : 336341 TCLP
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:21 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4087.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 03:22 pm
 Operator : a.moses
 Sample : rq1904325-01
 Misc : 336341 TCLP
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:25 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.035	3.645	398.1E6	4080.5E6	85.968	90.652
Spiked Amount	100.000	Range	30 - 150	Recovery	= 85.97%	90.65%
26) S SURR2,Dec...	8.227	8.759	293.1E6	2894.5E6	64.036	71.749
Spiked Amount	100.000	Range	30 - 150	Recovery	= 64.04%	71.75%

Target Compounds

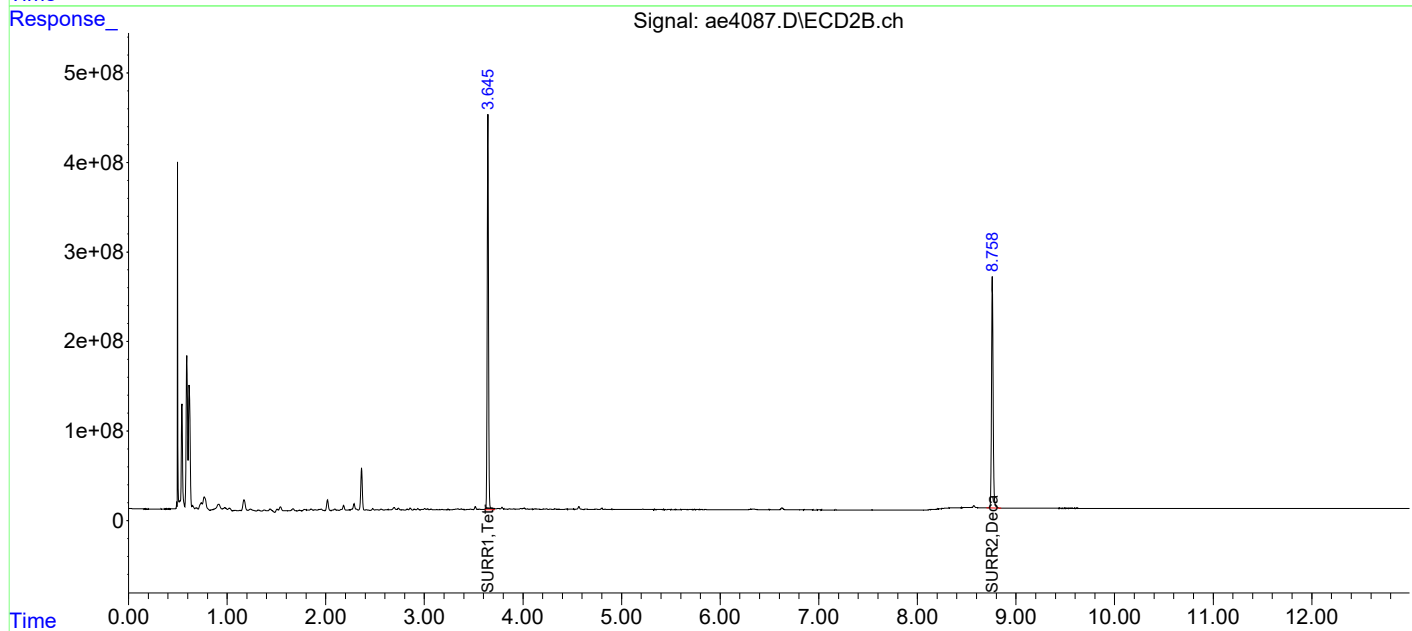
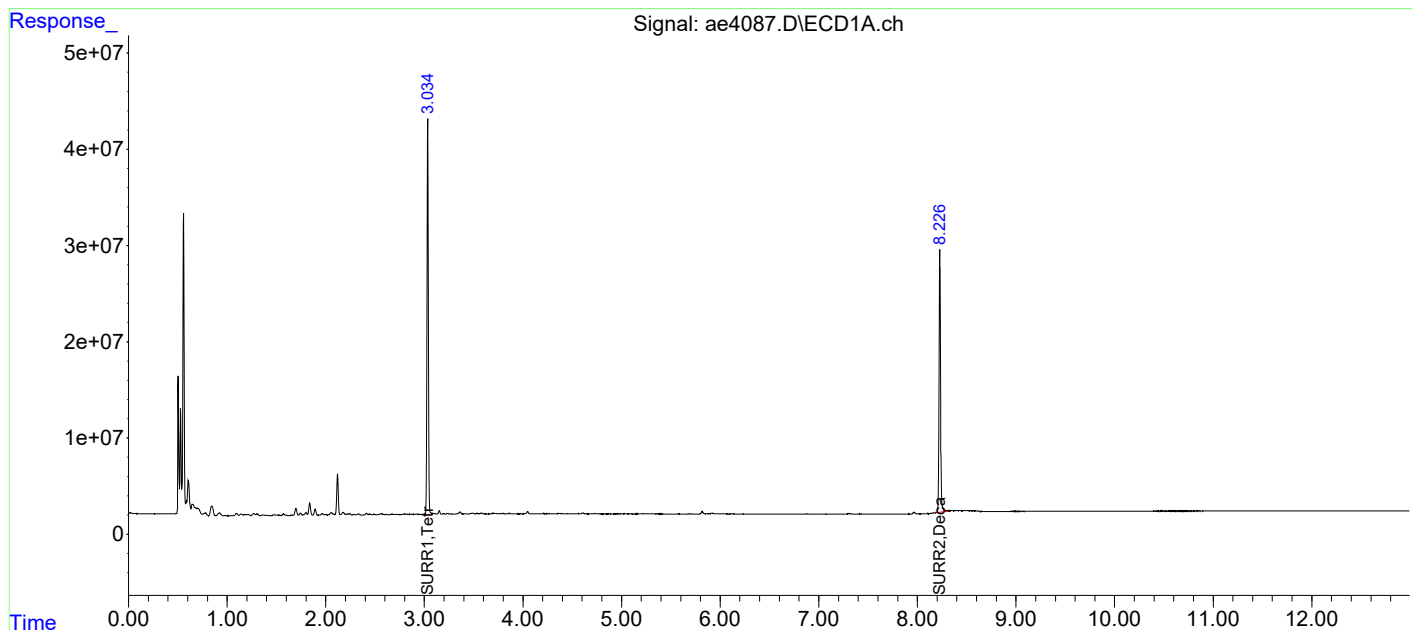
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4087.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 03:22 pm
Operator : a.moses
Sample : rq1904325-01
Misc : 336341 TCLP
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:25 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4088.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 03:40 pm
 Operator : a.moses
 Sample : rq1904366-01
 Misc : 336341 TCLP
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:29 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.035	3.645	347.6E6	3506.6E6	75.063	77.902
Spiked Amount	100.000	Range	30 - 150	Recovery	= 75.06%	77.90%
26) S SURR2,Dec...	8.227	8.760	243.7E6	2359.2E6	53.238	58.481
Spiked Amount	100.000	Range	30 - 150	Recovery	= 53.24%	58.48%

Target Compounds

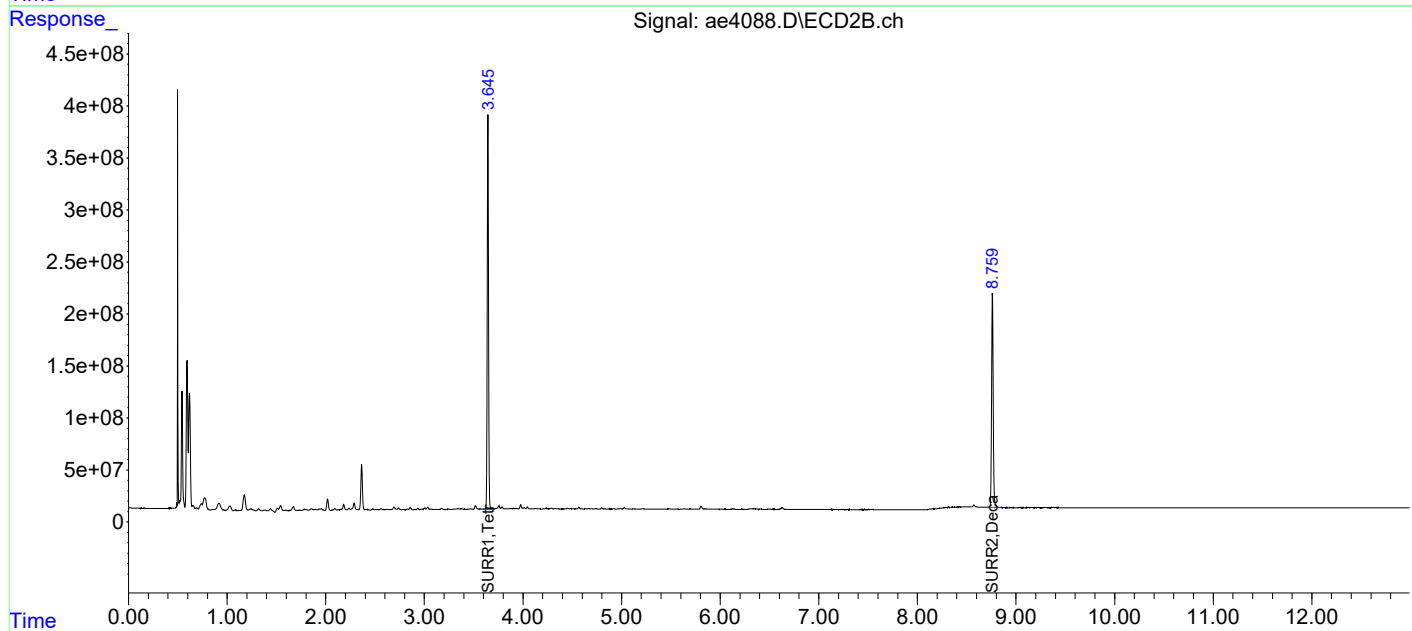
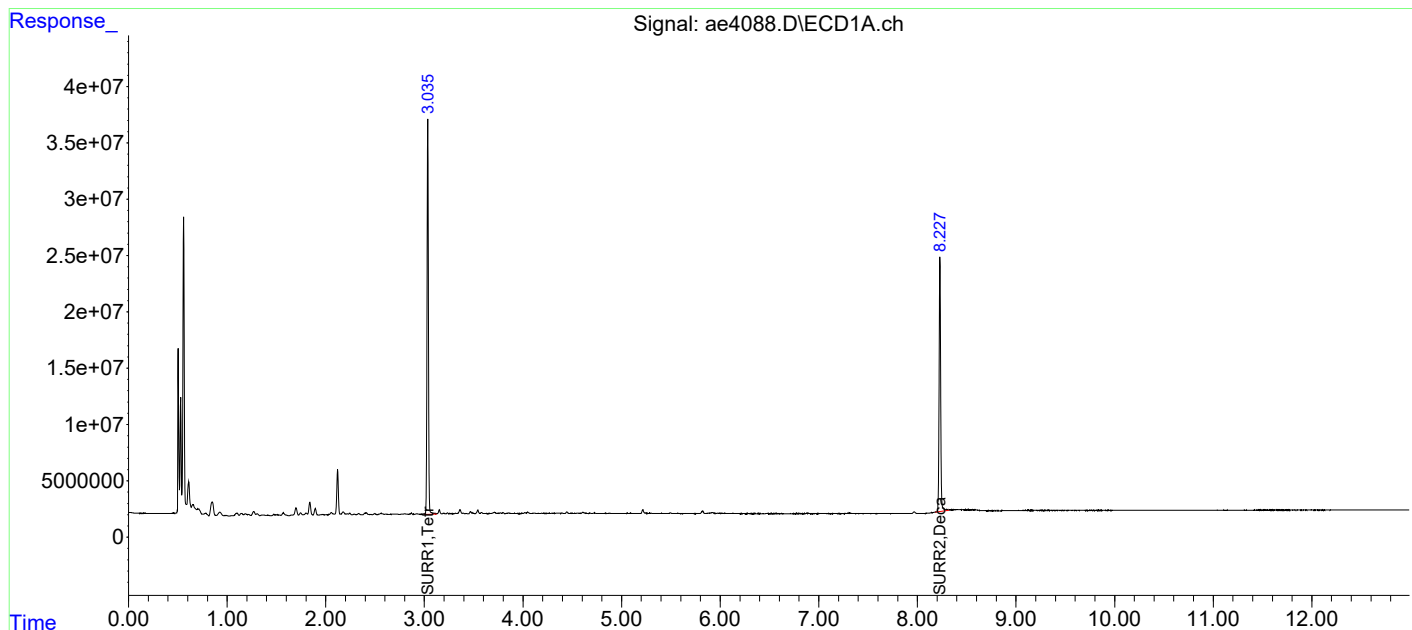
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 03:40 pm
Operator : a.moses
Sample : rq1904366-01
Misc : 336341 TCLP
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:29 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

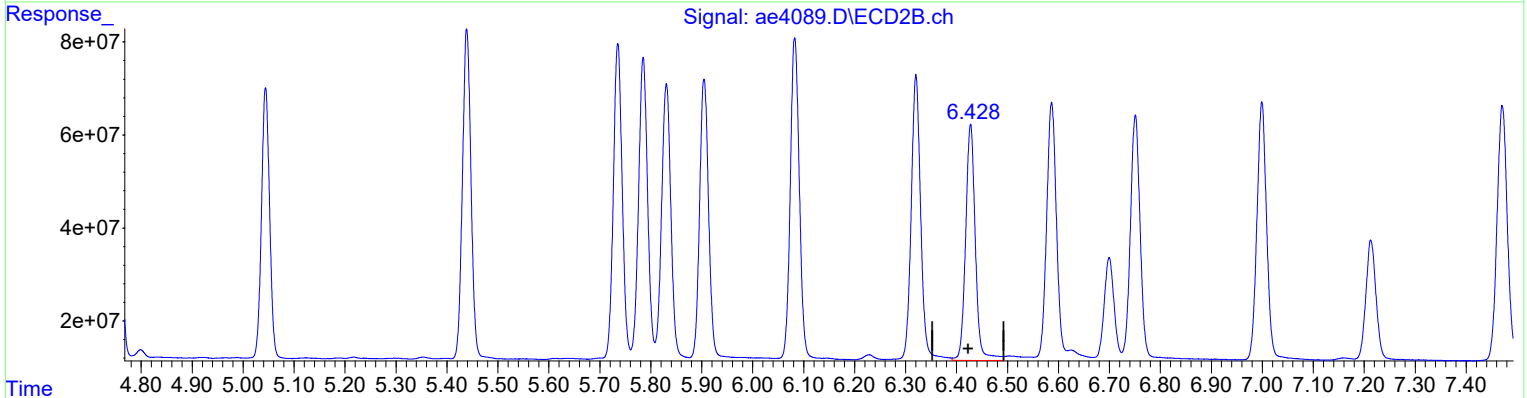
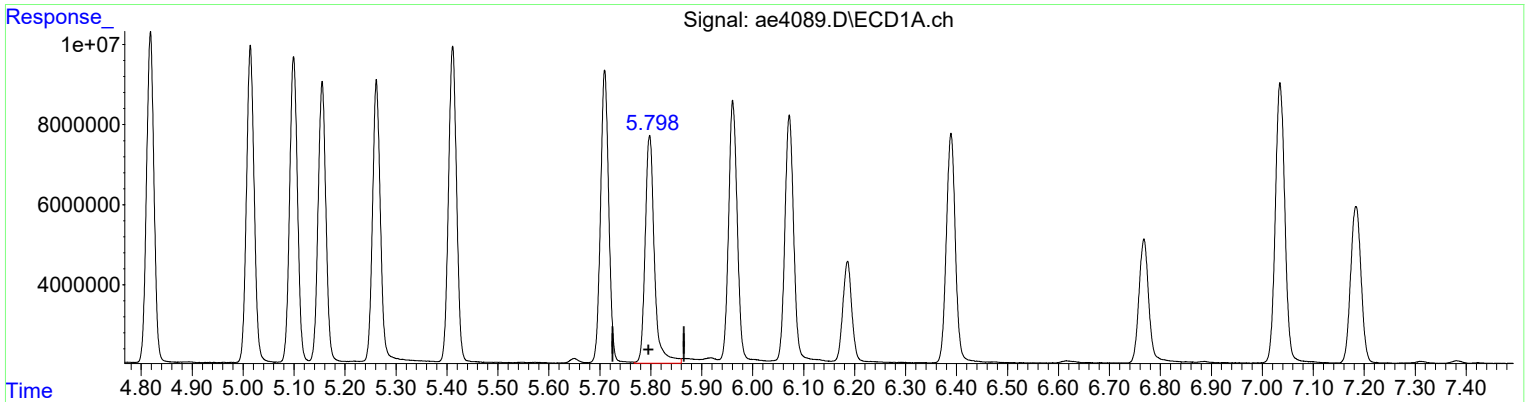
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4089.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 03:57 pm
 Operator : a.moses
 Sample : rq1904366-02
 Misc : 336341 TCLP
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:33 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(18) 4,4'-DDD (tc)
 5.798min 15.909 ug/l m
 response 71285798

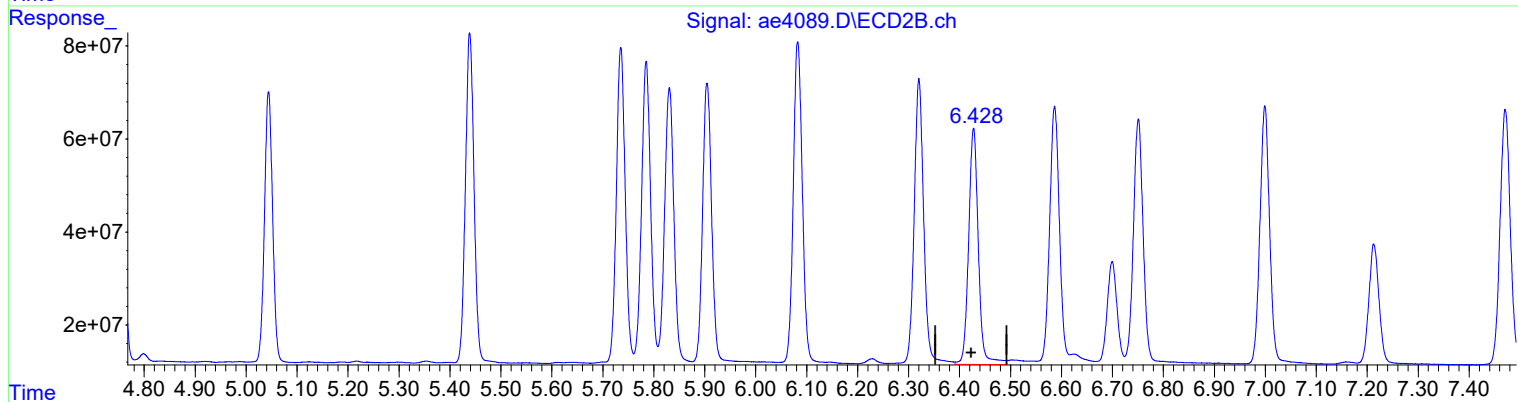
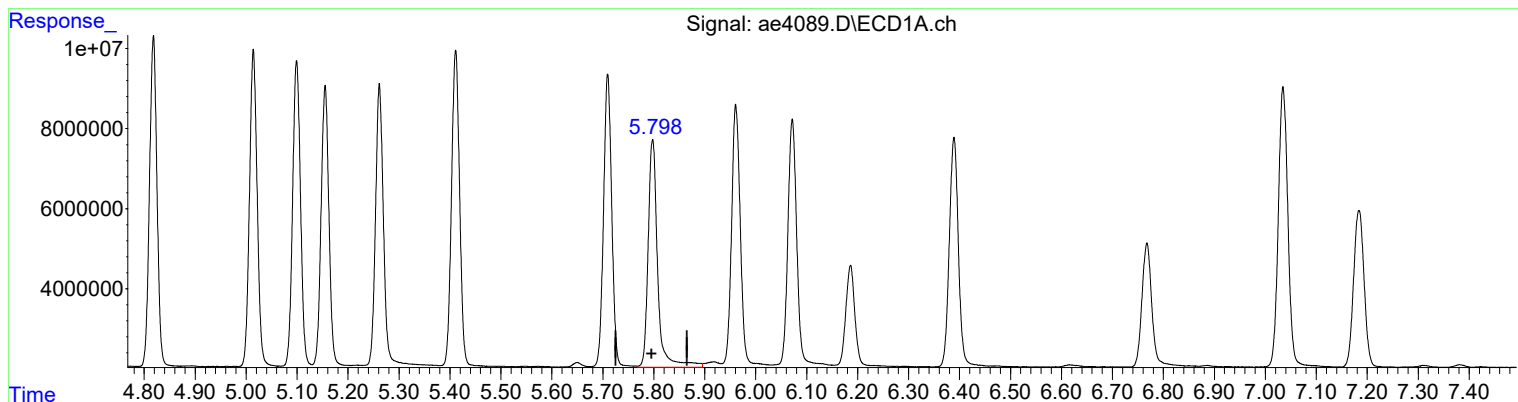
(18) 4,4'-DDD #2 (tc)
 6.428min 14.699 ug/l
 response 673112421

Manual Integration:
 After
 Poor integration.
 05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 03:57 pm
Operator : a.moses
Sample : rq1904366-02
Misc : 336341 TCLP
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:33 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Retention Time (min)	Peak Label	Response	Concentration (ug/l)
5.798	(18) 4,4'-DDD (tc)	73644409	16.435
6.428	(18) 4,4'-DDD #2 (tc)	673112421	14.699

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4089.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 03:57 pm
 Operator : a.moses
 Sample : rq1904366-02
 Misc : 336341 TCLP
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:33 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

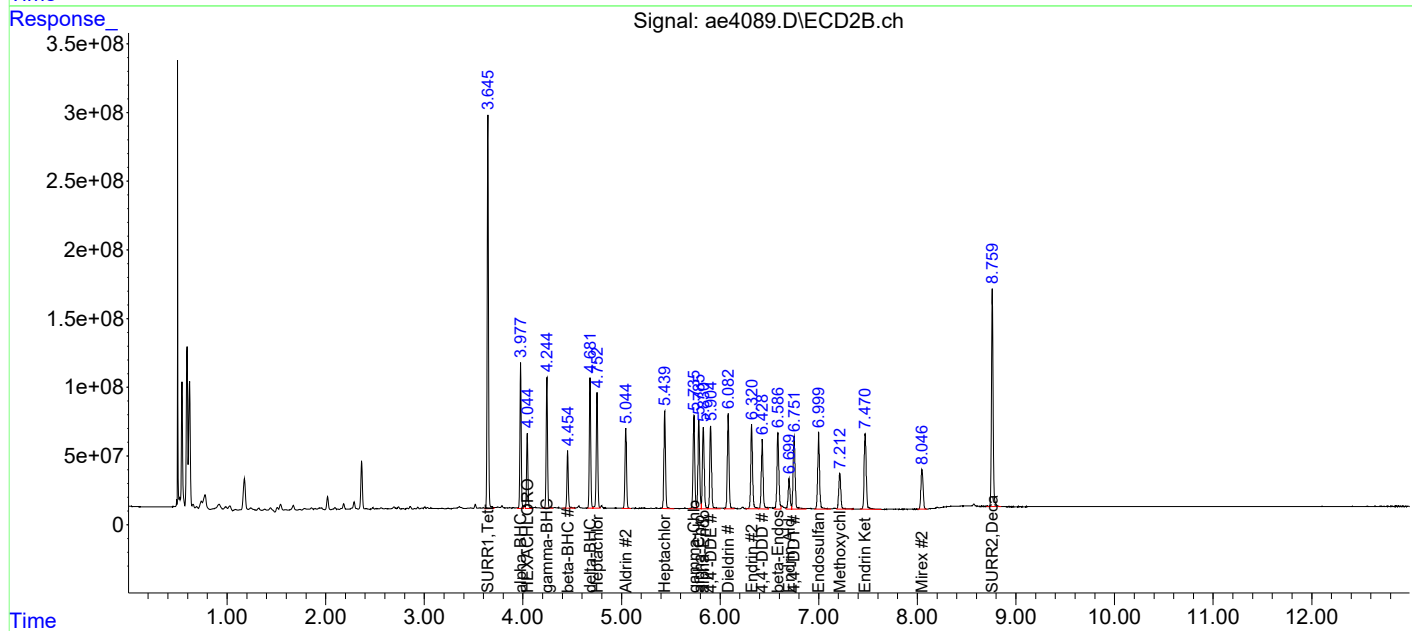
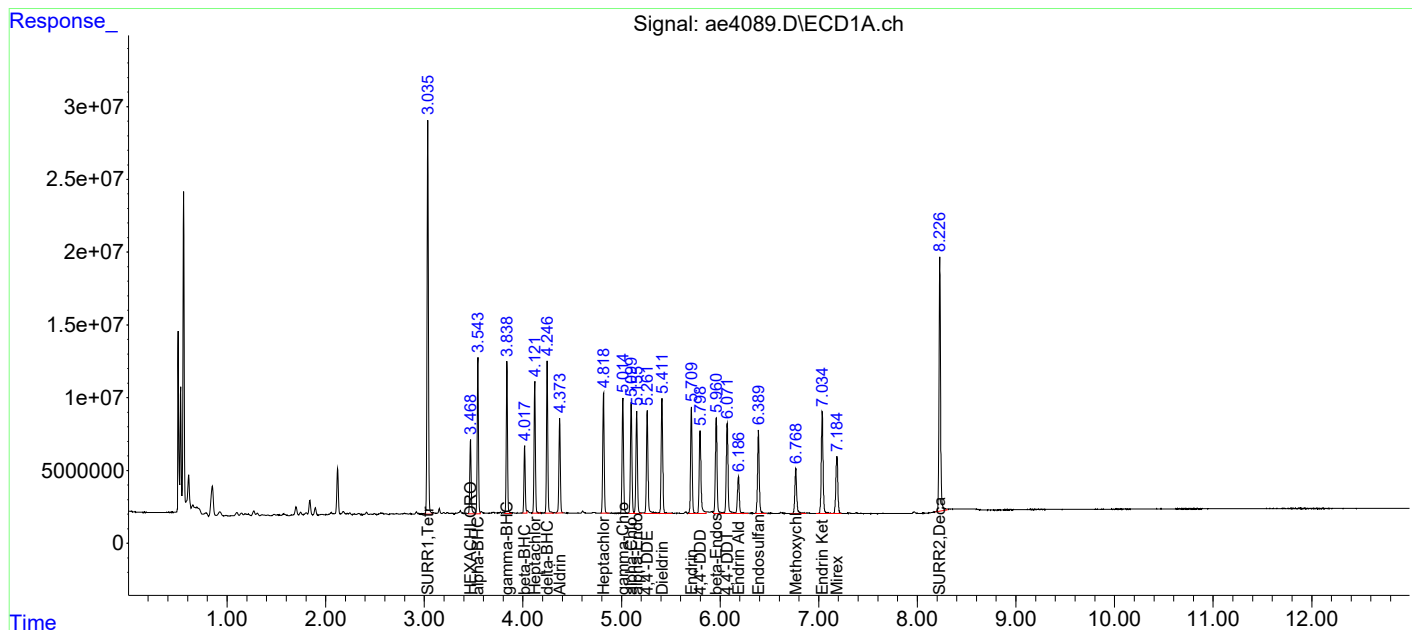
System Monitoring Compounds						
1) S SURR1,Tet...	3.036	3.645	259.3E6	2594.9E6	56.000	57.648
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.00%	57.65%
26) S SURR2,Dec...	8.227	8.759	192.6E6	1811.7E6	42.074	44.909
Spiked Amount	100.000	Range	30 - 150	Recovery	= 42.07%	44.91%
Target Compounds						
2) TC HEXACHLOR...	3.469	4.045	50365068	530.3E6	12.064	12.088
3) tc alpha-BHC	3.544	3.977	93538871	964.2E6	14.937	14.791
4) tcm gamma-BHC (L	3.839	4.244	91600046	926.3E6	15.578	15.628
5) tcm Heptachlor	4.121	4.753	85819237	897.0E6	14.278	14.204
6) tcm Aldrin	4.374	5.044	64803780	647.2E6	11.141	11.137
7) tc beta-BHC	4.018	4.454	42243166	403.5E6	15.625	16.543
8) tc delta-BHC	4.247	4.682	94229657	929.9E6	16.406	16.029
9) tc Heptachlor E	4.818	5.439	84143745	838.1E6	15.400	15.407
10) tc alpha-Endosu	5.155	5.831	75565563	757.8E6	14.615	14.687
11) tc gamma-Chlord	5.014	5.735	83261056	825.5E6	14.788	14.908
12) tc alpha-Chlord	5.099	5.785	82342873	802.7E6	14.834	14.911
13) tc 4,4'-DDE	5.262	5.905	79174647	765.2E6	14.888	14.737
14) tcm Dieldrin	5.411	6.082	88639547	865.1E6	15.479	15.215
15) tcm Endrin	5.710	6.320	81949677	803.7E6	15.957	15.361
17) tc beta-Endosul	5.961	6.587	79473178	751.3E6	15.470	14.934
18) tc 4,4'-DDD	5.798	6.428	71285798	673.1E6	15.909m	14.699
19) tcm 4,4'-DDT	6.072	6.751	77510753	734.8E6	15.569	14.724
20) tc Endrin Aldeh	6.186	6.700	32942513	303.9E6	7.326	7.487
21) tc Endosulfan S	6.389	6.999	71748361	764.9E6	14.363	14.635
22) tc Methoxychlor	6.768	7.213	42654254	390.4E6	15.600	15.868
24) tc Endrin Keton	7.035	7.471	92001677	811.3E6	15.645	15.233
25) tc Mirex	7.184	8.046	56190707	438.7E6	12.133	12.094
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 03:57 pm
Operator : a.moses
Sample : rq1904366-02
Misc : 336341 TCLP
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:33 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

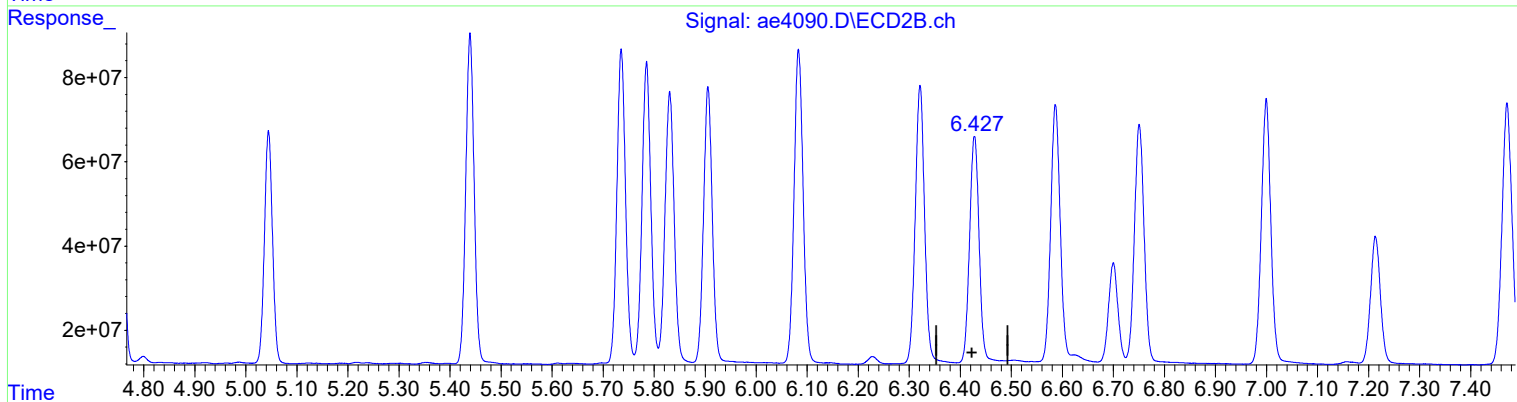
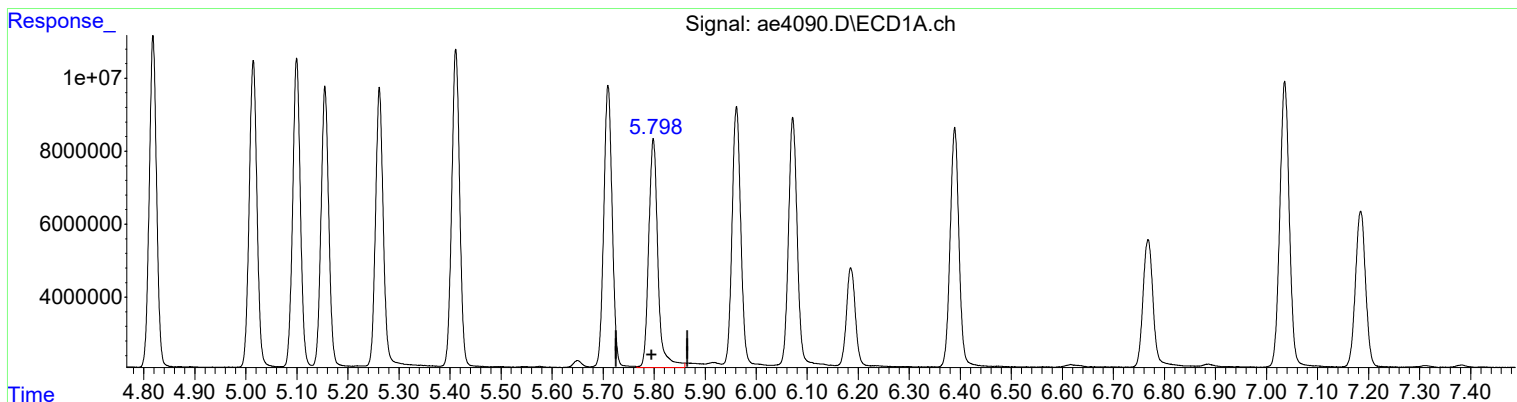
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 04:15 pm
Operator : a.moses
Sample : rq1904366-03
Misc : 336341 TCLP
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:37 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

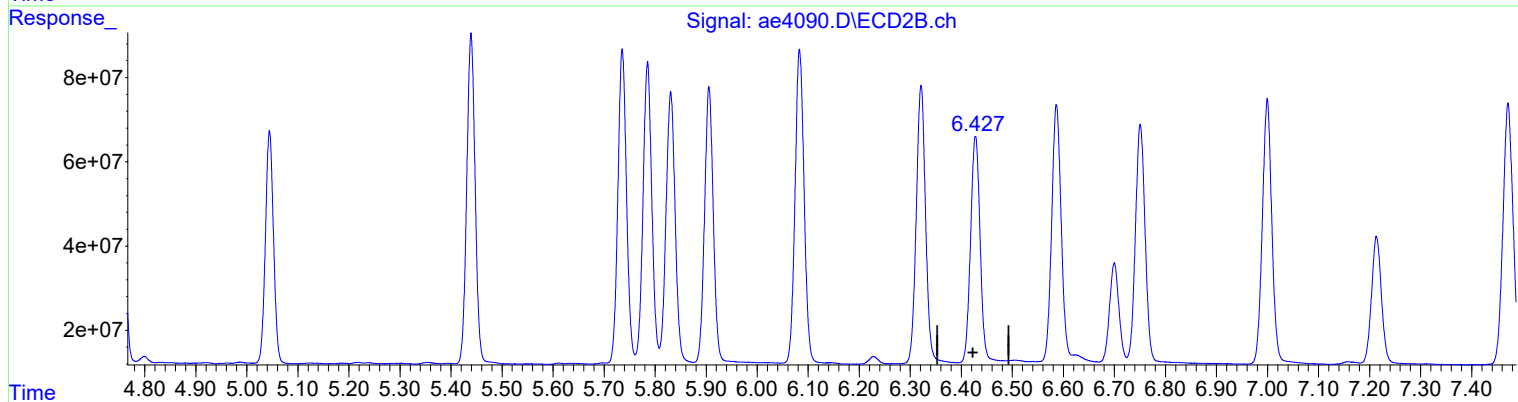
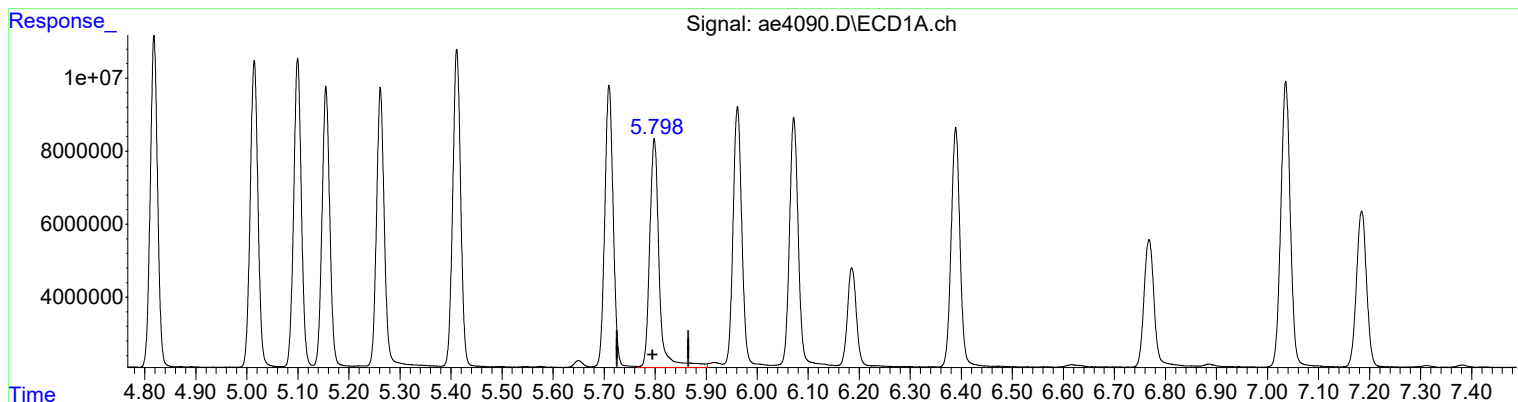


QE dit		Manual Integration:
(18) 4,4'-DDD (tc)		After
5.798min 17.495 ug/l m		Poor integration.
response 78392983		05/14/19
(18) 4,4'-DDD #2 (tc)		
6.428min 16.084 ug/l		
response 736530957		

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 04:15 pm
Operator : a.moses
Sample : rq1904366-03
Misc : 336341 TCLP
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:37 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Retention Time (min)	Concentration (ug/l)	Response	Integration Status
(18) 4,4'-DDD (tc) 5.799min	18.091 ug/l	81062511	Manual Integration: Before
(18) 4,4'-DDD #2 (tc) 6.428min	16.084 ug/l	736530957	05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4090.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 04:15 pm
 Operator : a.moses
 Sample : rq1904366-03
 Misc : 336341 TCLP
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:37 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

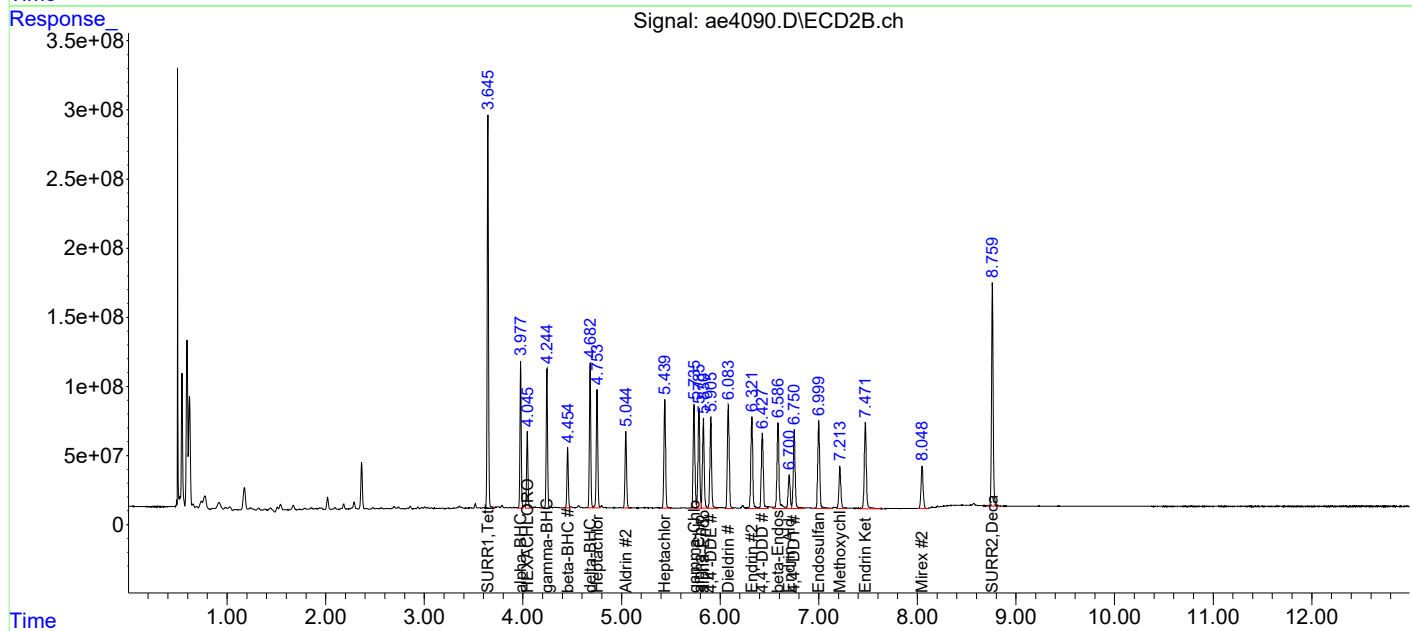
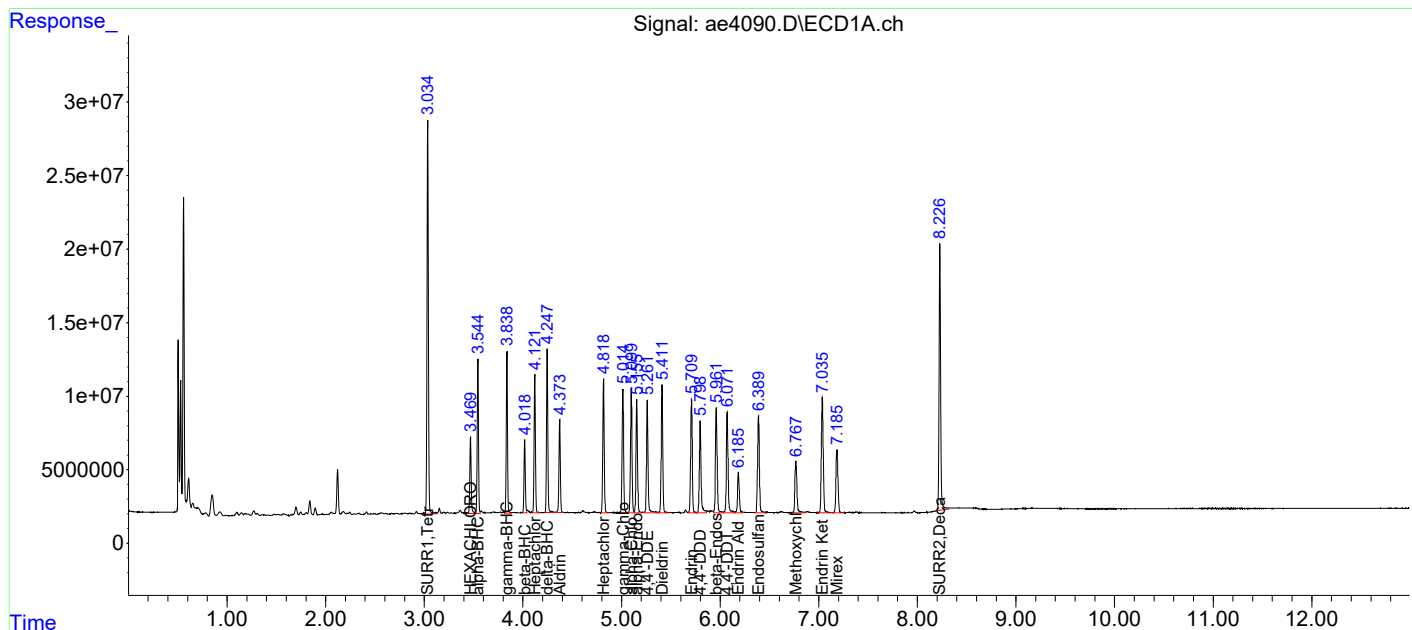
System Monitoring Compounds						
1) S SURR1,Tet...	3.035	3.645	263.1E6	2601.9E6	56.822	57.804
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.82%	57.80%
26) S SURR2,Dec...	8.227	8.760	195.8E6	1842.8E6	42.768	45.681
Spiked Amount	100.000	Range	30 - 150	Recovery	= 42.77%	45.68%
Target Compounds						
2) TC HEXACHLOR...	3.469	4.045	51188685	538.2E6	12.261	12.268
3) tc alpha-BHC	3.544	3.978	93178930	962.7E6	14.879	14.768
4) tcm gamma-BHC (L	3.839	4.244	95295036	954.6E6	16.207	16.104
5) tcm Heptachlor	4.121	4.753	88100069	920.2E6	14.658	14.571
6) tcm Aldrin	4.374	5.045	61136922	608.9E6	10.511	10.477
7) tc beta-BHC	4.019	4.455	45276842	421.3E6	16.747	17.273
8) tc delta-BHC	4.247	4.682	102.2E6	1010.3E6	17.796	17.414
9) tc Heptachlor E	4.818	5.439	90970216	906.5E6	16.650	16.663
10) tc alpha-Endosu	5.155	5.831	81545045	820.2E6	15.771	15.897
11) tc gamma-Chlord	5.015	5.736	89619014	885.4E6	15.917	15.990
12) tc alpha-Chlord	5.100	5.785	88709981	864.6E6	15.980	16.060
13) tc 4,4'-DDE	5.262	5.906	84263406	810.8E6	15.845	15.616
14) tcm Dieldrin	5.412	6.083	95619838	938.4E6	16.698	16.504
15) tcm Endrin	5.710	6.321	88903559	868.8E6	17.311	16.605
17) tc beta-Endosul	5.962	6.587	86935920	880.7E6	16.922	17.506
18) tc 4,4'-DDD	5.798	6.428	78392983	736.5E6	17.495m	16.084
19) tcm 4,4'-DDT	6.072	6.751	84758285	798.5E6	17.025	15.999
20) tc Endrin Aldeh	6.186	6.700	33996796	325.0E6	7.561	8.008
21) tc Endosulfan S	6.389	7.000	80056087	858.3E6	16.026	16.421
22) tc Methoxychlor	6.768	7.214	49564694	440.0E6	18.128	17.884
24) tc Endrin Keton	7.036	7.471	102.5E6	906.1E6	17.438	17.013
25) tc Mirex	7.185	8.047	59408034	460.0E6	12.827	12.682
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 04:15 pm
Operator : a.moses
Sample : rq1904366-03
Misc : 336341 TCLP
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:37 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 01:54 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 13 14:08:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1,Tetrac	4.631	5.261 E6	-13.6	112	0.00
2 TC HEXACHLOROBENZENE	4.175	4.604 E6	-10.3	113	0.00
3 tc alpha-BHC	6.262	7.741 E6	-23.6#	112	0.00
4 tcm gamma-BHC (L	5.880	7.069 E6	-20.2#	112	0.00
5 tcm Heptachlor	6.010	7.118 E6	-18.4#	109	0.00
6 tcm Aldrin	5.817	7.055 E6	-21.3#	110	0.00
7 tc beta-BHC	2.704	3.011 E6	-11.4	112	0.00
8 TC delta-BHC	5.744	7.174 E6	-24.9#	114	0.00
9 tc Heptachlor E	5.464	6.405 E6	-17.2#	109	0.00
10 tc alpha-Endosu	5.170	6.042 E6	-16.9#	108	0.00
11 tc gamma-Chlord	5.630	6.677 E6	-18.6#	109	0.00
12 tc alpha-Chlord	5.551	6.497 E6	-17.0#	108	0.00
13 tc 4,4'-DDE	5.318	6.739 E6	-26.7#	111	0.00
14 tcm Dieldrin	5.726	6.855 E6	-19.7#	107	0.00
15 tcm Endrin	5.136	6.242 E6	-21.5#	108	0.00
17 tc beta-Endosul	5.137	5.926 E6	-15.4#	105	0.00
18 tc 4,4'-DDD	4.481	5.739 E6	-28.1#	114	0.00
19 tcm 4,4'-DDT	4.979	6.235 E6	-25.2#	109	0.00
20 tc Endrin Aldeh	4.497	5.000 E6	-11.2	103	0.00
21 tc Endosulfan S	4.996	5.770 E6	-15.5#	108	0.00
22 tc Methoxychlor	2.734	3.271 E6	-19.6#	112	0.00
24 tc Endrin Keton	5.881	6.870 E6	-16.8#	105	0.00
25 tc Mirex	4.631	5.077 E6	-9.6	107	0.00
26 S SURR2,Decachlorobiphenyl	4.578	5.411 E6	-18.2#	119	0.00

Signal #2

1 S SURR1,Tetrac	45.013	53.120 E6	-18.0#	115	0.00
2 TC HEXACHLOROBENZENE	43.871	53.093 E6	-21.0#	121	0.00
3 tc alpha-BHC	65.190	82.397 E6	-26.4#	116	0.00
4 tcm gamma-BHC (L	59.272	73.804 E6	-24.5#	115	0.00
5 tcm Heptachlor	63.148	77.358 E6	-22.5#	114	0.00
6 tcm Aldrin	58.112	72.946 E6	-25.5#	114	0.00
7 tc beta-BHC	24.393	28.632 E6	-17.4#	117	0.00
8 tc delta-BHC	58.015	74.500 E6	-28.4#	118	0.00
9 tc Heptachlor E	54.398	66.208 E6	-21.7#	114	0.00
10 tc alpha-Endosu	51.594	61.918 E6	-20.0#	112	0.00
11 tc gamma-Chlord	55.371	69.203 E6	-25.0#	115	0.00

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 01:54 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 13 14:08:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 tc alpha-Chlord	53.833	65.753 E6	-22.1#	113	0.00
13 tc 4,4'-DDE	51.922	68.202 E6	-31.4#	118	0.00
14 tcm Dieldrin	56.860	68.601 E6	-20.6#	108	0.00
15 tcm Endrin	52.320	63.472 E6	-21.3#	115	0.00
17 tc beta-Endosul	50.307	60.984 E6	-21.2#	112	0.00
18 tc 4,4'-DDD	45.792	58.899 E6	-28.6#	118	0.00
19 tcm 4,4'-DDT	49.907	63.442 E6	-27.1#	110	0.00
20 tc Endrin Aldeh	40.590	50.527 E6	-24.5#	114	0.00
21 tc Endosulfan S	52.265	66.575 E6	-27.4#	115	0.00
22 tc Methoxychlor	24.602	31.455 E6	-27.9#	122	0.00
24 tc Endrin Keton	53.259	64.091 E6	-20.3#	111	0.00
25 tc Mirex	36.272	41.756 E6	-15.1#	111	0.00
26 S SURR2,Decachlorobiphenyl	40.341	54.789 E6	-35.8#	133	0.00

Evaluate Continuing Calibration Report - Not Found

16 tc KEPONE	2.521	0.000 E6	100.0#	0#	-5.82#
23 tc FAMPHUR	2.835	0.000 E6	100.0#	0#	-6.26#
27 L8C Toxaphene	13.585	0.000 E3	100.0#	0#	-5.44#
28 L8C Toxaphene{2}	39.487	0.000 E3	100.0#	0#	-5.72#
29 L8C Toxaphene{3}	60.813	0.000 E3	100.0#	0#	-6.27#
30 L8C Toxaphene{4}	23.971	0.000 E3	100.0#	0#	-6.30#
31 L8C Toxaphene{5}	75.679	0.000 E3	100.0#	0#	-6.81#
32 L9C Chlordane	132.875	0.000 E3	100.0#	0#	-3.97#
33 L9C Chlordane{2}	256.184	0.000 E3	100.0#	0#	-4.12#
34 L9C Chlordane{3}	172.934	0.000 E3	100.0#	0#	-4.48#
35 L9C Chlordane{4}	381.849	0.000 E3	100.0#	0#	-5.10#
36 L9C Chlordane{5}	156.114	0.000 E3	100.0#	0#	-5.99#
37 L10CDechlorane{1}	545.312	0.000 E3	100.0#	0#	-10.57#
38 L10CDechlorane{2}	1.953	0.000 E6	100.0#	0#	-10.96#

Signal #2

16 tc KEPONE	23.829	0.000 E6	100.0#	0#	-6.63#
23 tc FAMPHUR	34.044	0.000 E6	100.0#	0#	-6.51#
27 L8C Toxaphene	189.378	0.000 E3	100.0#	0#	-6.01#
28 L8C Toxaphene{2}	474.888	0.000 E3	100.0#	0#	-6.43#
29 L8C Toxaphene{3}	916.463	0.000 E3	100.0#	0#	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 01:54 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 13 14:08:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	1.062	0.000 E6	100.0#	0#	-6.99#
31 L8C Toxaphene{5}	515.096	0.000 E3	100.0#	0#	-7.35#
32 L9C Chlordane	1.630	0.000 E6	100.0#	0#	-4.57#
33 L9C Chlordane{2}	2.936	0.000 E6	100.0#	0#	-4.75#
34 L9C Chlordane{3}	1.429	0.000 E6	100.0#	0#	-5.04#
35 L9C Chlordane{4}	1.385	0.000 E6	100.0#	0#	-5.46#
36 L9C Chlordane{5}	3.102	0.000 E6	100.0#	0#	-5.82#
37 L10CDechlorane{1}	3.892	0.000 E6	100.0#	0#	-12.01#
38 L10CDechlorane{2}	13.840	0.000 E6	100.0#	0#	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 68

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 01:54 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 13 14:08:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

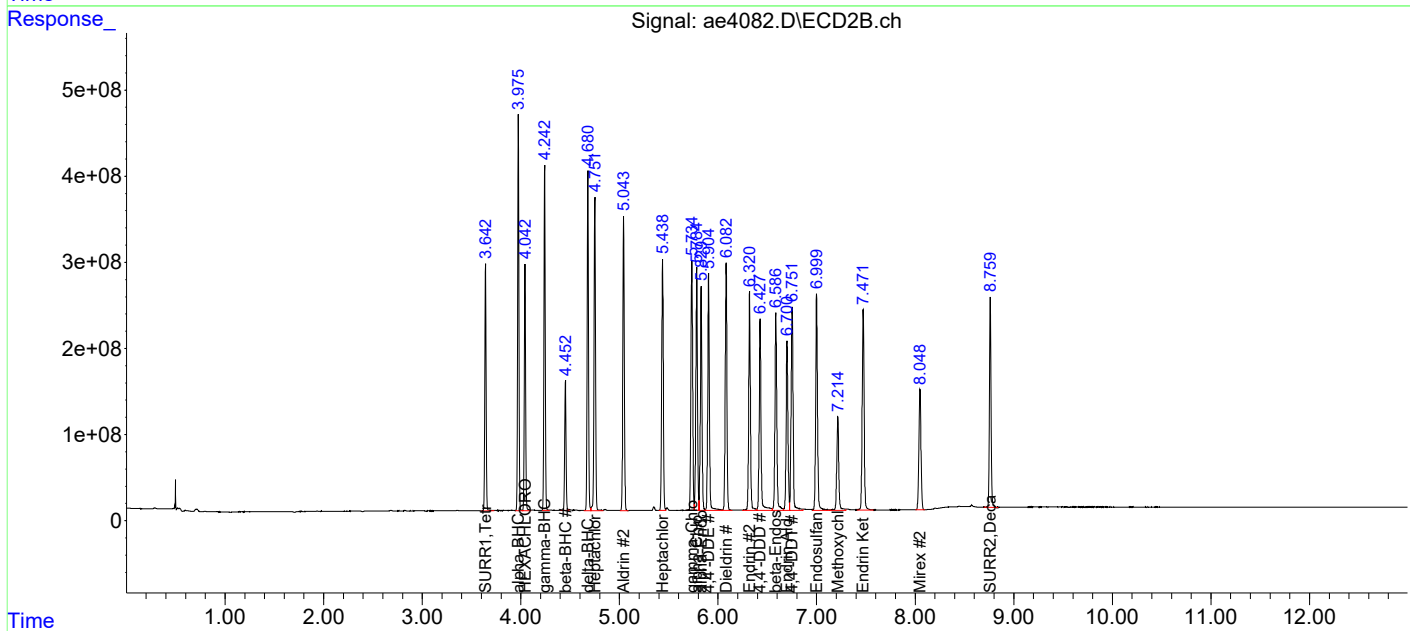
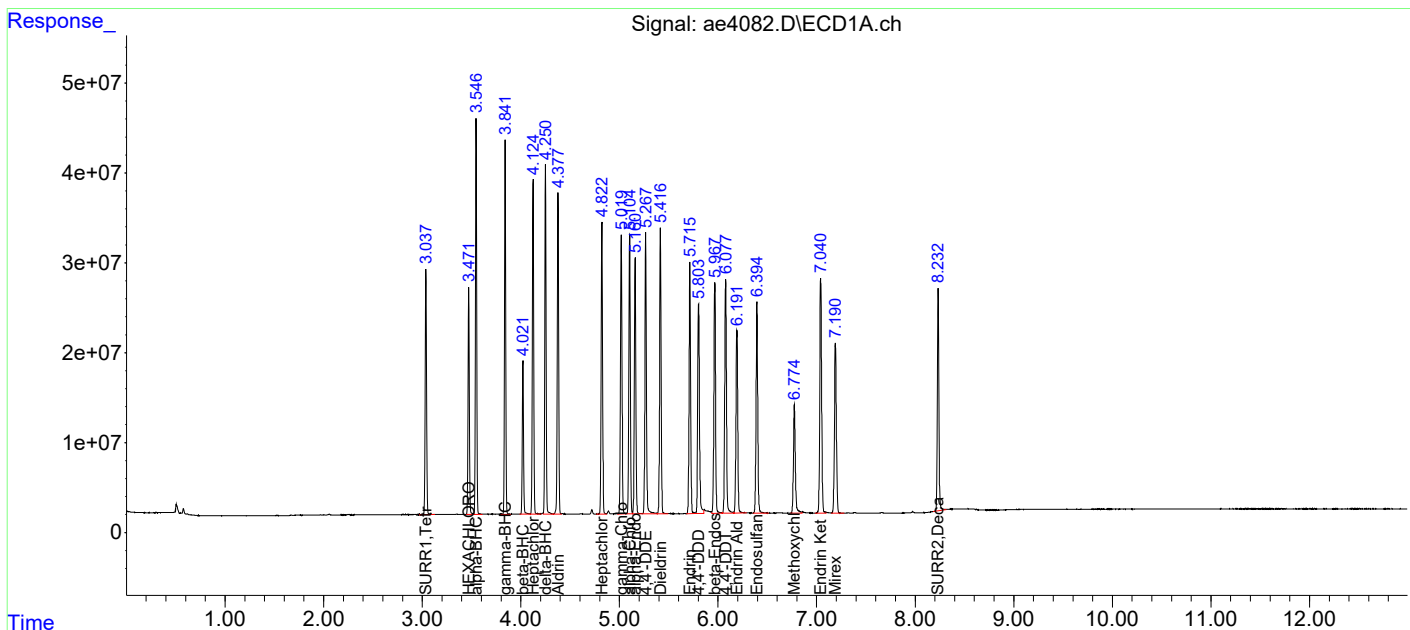
System Monitoring Compounds						
1) S SURR1,Tet...	3.037	3.642	263.1E6	2656.0E6	56.808	59.005
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.81%	59.01%
26) S SURR2,Dec...	8.232	8.760	270.5E6	2739.5E6	59.100	67.907
Spiked Amount	100.000	Range	30 - 150	Recovery	= 59.10%	67.91%
Target Compounds						
2) TC HEXACHLOR...	3.472	4.043	230.2E6	2654.6E6	55.143	60.511
3) tc alpha-BHC	3.547	3.975	387.1E6	4119.9E6	61.809	63.198
4) tcm gamma-BHC (L	3.842	4.242	353.5E6	3690.2E6	60.114	62.258
5) tcm Heptachlor	4.125	4.751	355.9E6	3867.9E6	59.211	61.251
6) tcm Aldrin	4.378	5.043	352.7E6	3647.3E6	60.642	62.763
7) tc beta-BHC	4.022	4.453	150.5E6	1431.6E6	55.685	58.688
8) tc delta-BHC	4.251	4.681	358.7E6	3725.0E6	62.448	64.207
9) tc Heptachlor E	4.823	5.438	320.3E6	3310.4E6	58.616	60.855
10) tc alpha-Endosu	5.160	5.830	302.1E6	3095.9E6	58.426	60.006
11) tc gamma-Chlord	5.020	5.735	333.8E6	3460.2E6	59.293	62.491
12) tc alpha-Chlord	5.104	5.784	324.9E6	3287.6E6	58.523	61.071
13) tc 4,4'-DDE	5.267	5.904	337.0E6	3410.1E6	63.360	65.678
14) tcm Dieldrin	5.416	6.083	342.7E6	3430.1E6	59.853	60.325
15) tcm Endrin	5.715	6.320	312.1E6	3173.6E6	60.766	60.658
17) tc beta-Endosul	5.967	6.587	296.3E6	3049.2E6	57.675	60.612
18) tc 4,4'-DDD	5.803	6.427	286.9E6	2944.9E6	64.035	64.311
19) tcm 4,4'-DDT	6.077	6.752	311.8E6	3172.1E6	62.619	63.560
20) tc Endrin Aldeh	6.191	6.700	250.0E6	2526.4E6	55.594	62.242
21) tc Endosulfan S	6.394	6.999	288.5E6	3328.7E6	57.756	63.689
22) tc Methoxychlor	6.774	7.214	163.5E6	1572.8E6	59.813	63.929
24) tc Endrin Keton	7.041	7.472	343.5E6	3204.6E6	58.408	60.170
25) tc Mirex	7.190	8.048	253.9E6	2087.8E6	54.813	57.559
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 01:54 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 14:08:39 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4091.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 04:33 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:41 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1,Tetrac	4.631	5.064 E6	-9.4	107	0.00
2 TC HEXACHLOROBENZENE	4.175	4.320 E6	-3.5	106	0.00
3 tc alpha-BHC	6.262	7.380 E6	-17.9#	106	0.00
4 tcm gamma-BHC (L	5.880	6.675 E6	-13.5	105	0.00
5 tcm Heptachlor	6.010	6.591 E6	-9.7	101	0.00
6 tcm Aldrin	5.817	6.403 E6	-10.1	100	0.00
7 tc beta-BHC	2.704	2.853 E6	-5.5	106	0.00
8 TC delta-BHC	5.744	6.701 E6	-16.7#	106	0.00
9 tc Heptachlor E	5.464	5.783 E6	-5.8	98	0.00
10 tc alpha-Endosu	5.170	5.364 E6	-3.8	96	0.00
11 tc gamma-Chlord	5.630	5.907 E6	-4.9	97	0.00
12 tc alpha-Chlord	5.551	5.723 E6	-3.1	95	0.00
13 tc 4,4'-DDE	5.318	5.631 E6	-5.9	93	0.00
14 tcm Dieldrin	5.726	6.062 E6	-5.9	95	0.00
15 tcm Endrin	5.136	5.448 E6	-6.1	95	0.00
17 tc beta-Endosul	5.137	5.234 E6	-1.9	93	0.00
18 tc 4,4'-DDD	4.481	4.593 E6	-2.5	92	0.00
19 tcm 4,4'-DDT	4.979	5.242 E6	-5.3	92	0.00
20 tc Endrin Aldeh	4.497	4.434 E6	1.4	91	0.00
21 tc Endosulfan S	4.996	4.948 E6	1.0	93	0.00
22 tc Methoxychlor	2.734	2.781 E6	-1.7	95	0.00
24 tc Endrin Keton	5.881	5.980 E6	-1.7	92	0.00
25 tc Mirex	4.631	4.376 E6	5.5	92	0.00
26 S SURR2,Decachlorobiphenyl	4.578	4.722 E6	-3.1	104	0.00

Signal #2

1 S SURR1,Tetrac	45.013	50.095 E6	-11.3	109	0.00
2 TC HEXACHLOROBENZENE	43.871	48.489 E6	-10.5	110	0.00
3 tc alpha-BHC	65.190	76.684 E6	-17.6#	108	0.00
4 tcm gamma-BHC (L	59.272	68.369 E6	-15.3#	107	0.00
5 tcm Heptachlor	63.148	70.113 E6	-11.0	103	0.00
6 tcm Aldrin	58.112	64.780 E6	-11.5	101	0.00
7 tc beta-BHC	24.393	26.405 E6	-8.2	108	0.00
8 tc delta-BHC	58.015	67.908 E6	-17.1#	108	0.00
9 tc Heptachlor E	54.398	58.159 E6	-6.9	100	0.00
10 tc alpha-Endosu	51.594	54.116 E6	-4.9	98	0.00
11 tc gamma-Chlord	55.371	59.304 E6	-7.1	99	0.00

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4091.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 04:33 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:41 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 tc alpha-Chlord	53.833	56.690 E6	-5.3	98	0.00
13 tc 4,4'-DDE	51.922	56.376 E6	-8.6	98	0.00
14 tcm Dieldrin	56.860	59.967 E6	-5.5	95	0.00
15 tcm Endrin	52.320	53.299 E6	-1.9	96	0.00
17 tc beta-Endosul	50.307	51.672 E6	-2.7	95	0.00
18 tc 4,4'-DDD	45.792	46.051 E6	-0.6	92	0.00
19 tcm 4,4'-DDT	49.907	51.933 E6	-4.1	90	0.00
20 tc Endrin Aldeh	40.590	42.138 E6	-3.8	95	0.00
21 tc Endosulfan S	52.265	55.128 E6	-5.5	95	0.00
22 tc Methoxychlor	24.602	25.356 E6	-3.1	99	0.00
24 tc Endrin Keton	53.259	53.551 E6	-0.5	93	0.00
25 tc Mirex	36.272	34.251 E6	5.6	91	0.00
26 S SURR2,Decachlorobiphenyl	40.341	44.343 E6	-9.9	108	0.00

Evaluate Continuing Calibration Report - Not Founds

16 tc KEPONE	2.521	0.000 E6	100.0#	0#	-5.82#
23 tc FAMPHUR	2.835	0.000 E6	100.0#	0#	-6.26#
27 L8C Toxaphene	13.585	0.000 E3	100.0#	0#	-5.44#
28 L8C Toxaphene{2}	39.487	0.000 E3	100.0#	0#	-5.72#
29 L8C Toxaphene{3}	60.813	0.000 E3	100.0#	0#	-6.27#
30 L8C Toxaphene{4}	23.971	0.000 E3	100.0#	0#	-6.30#
31 L8C Toxaphene{5}	75.679	0.000 E3	100.0#	0#	-6.81#
32 L9C Chlordane	132.875	0.000 E3	100.0#	0#	-3.97#
33 L9C Chlordane{2}	256.184	0.000 E3	100.0#	0#	-4.12#
34 L9C Chlordane{3}	172.934	0.000 E3	100.0#	0#	-4.48#
35 L9C Chlordane{4}	381.849	0.000 E3	100.0#	0#	-5.10#
36 L9C Chlordane{5}	156.114	0.000 E3	100.0#	0#	-5.99#
37 L10CDechlorane{1}	545.312	0.000 E3	100.0#	0#	-10.57#
38 L10CDechlorane{2}	1.953	0.000 E6	100.0#	0#	-10.96#

Signal #2

16 tc KEPONE	23.829	0.000 E6	100.0#	0#	-6.63#
23 tc FAMPHUR	34.044	0.000 E6	100.0#	0#	-6.51#
27 L8C Toxaphene	189.378	0.000 E3	100.0#	0#	-6.01#
28 L8C Toxaphene{2}	474.888	0.000 E3	100.0#	0#	-6.43#
29 L8C Toxaphene{3}	916.463	0.000 E3	100.0#	0#	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4091.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 04:33 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:41 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	1.062	0.000 E6	100.0#	0#	-6.99#
31 L8C Toxaphene{5}	515.096	0.000 E3	100.0#	0#	-7.35#
32 L9C Chlordane	1.630	0.000 E6	100.0#	0#	-4.57#
33 L9C Chlordane{2}	2.936	0.000 E6	100.0#	0#	-4.75#
34 L9C Chlordane{3}	1.429	0.000 E6	100.0#	0#	-5.04#
35 L9C Chlordane{4}	1.385	0.000 E6	100.0#	0#	-5.46#
36 L9C Chlordane{5}	3.102	0.000 E6	100.0#	0#	-5.82#
37 L10CDechlorane{1}	3.892	0.000 E6	100.0#	0#	-12.01#
38 L10CDechlorane{2}	13.840	0.000 E6	100.0#	0#	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 33

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4091.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 04:33 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 09:16:41 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.035	3.645	253.2E6	2504.7E6	54.679	55.645
Spiked Amount	100.000	Range	30 - 150	Recovery	= 54.68%	55.65%
26) S SURR2,Dec...	8.227	8.760	236.1E6	2217.2E6	51.582	54.960
Spiked Amount	100.000	Range	30 - 150	Recovery	= 51.58%	54.96%

Target Compounds

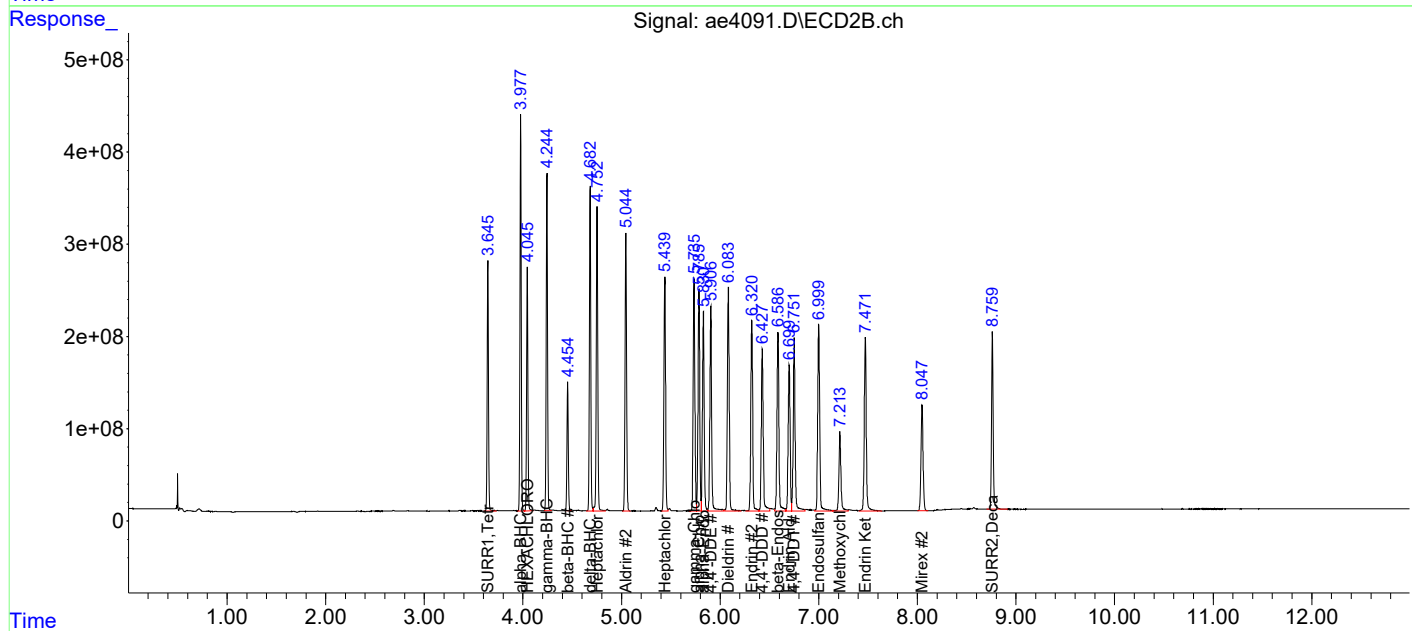
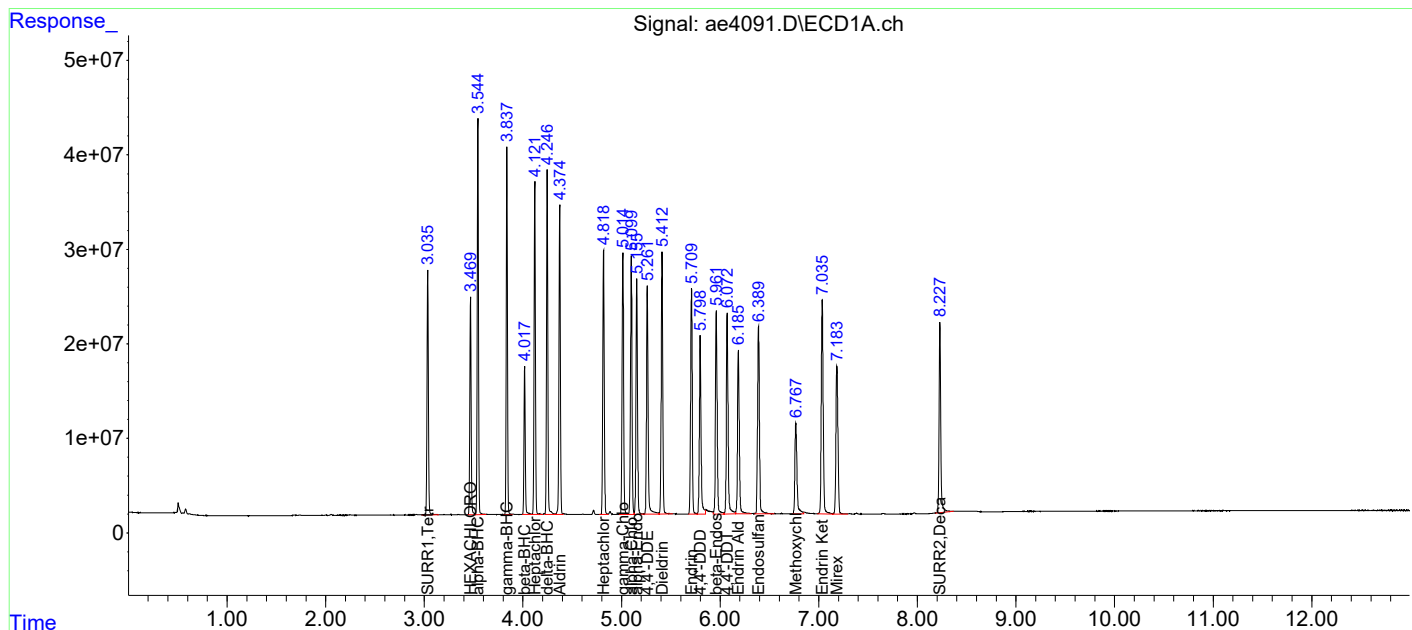
2) TC HEXACHLOR...	3.469	4.045	216.0E6	2424.5E6	51.740	55.264
3) tc alpha-BHC	3.544	3.978	369.0E6	3834.2E6	58.927	58.816
4) tcm gamma-BHC (L	3.838	4.244	333.7E6	3418.5E6	56.759	57.673
5) tcm Heptachlor	4.121	4.753	329.6E6	3505.6E6	54.831	55.515
6) tcm Aldrin	4.374	5.045	320.1E6	3239.0E6	55.039	55.737
7) tc beta-BHC	4.018	4.455	142.6E6	1320.3E6	52.762	54.125
8) tc delta-BHC	4.247	4.682	335.0E6	3395.4E6	58.332	58.526
9) tc Heptachlor E	4.818	5.440	289.1E6	2907.9E6	52.921	53.457
10) tc alpha-Endosu	5.155	5.831	268.2E6	2705.8E6	51.870	52.444
11) tc gamma-Chlord	5.015	5.736	295.4E6	2965.2E6	52.457	53.552
12) tc alpha-Chlord	5.100	5.785	286.1E6	2834.5E6	51.546	52.654
13) tc 4,4'-DDE	5.262	5.906	281.5E6	2818.8E6	52.942	54.289
14) tcm Dieldrin	5.412	6.084	303.1E6	2998.3E6	52.933	52.732
15) tcm Endrin	5.710	6.321	272.4E6	2665.0E6	53.037	50.936
17) tc beta-Endosul	5.962	6.586	261.7E6	2583.6E6	50.936	51.357
18) tc 4,4'-DDD	5.798	6.427	229.7E6	2302.5E6	51.256	50.282
19) tcm 4,4'-DDT	6.072	6.751	262.1E6	2596.7E6	52.649	52.030
20) tc Endrin Aldeh	6.186	6.700	221.7E6	2106.9E6	49.303	51.908
21) tc Endosulfan S	6.389	6.999	247.4E6	2756.4E6	49.529	52.739
22) tc Methoxychlor	6.767	7.214	139.0E6	1267.8E6	50.851	51.532
24) tc Endrin Keton	7.035	7.471	299.0E6	2677.6E6	50.847	50.275
25) tc Mirex	7.184	8.047	218.8E6	1712.5E6	47.247	47.213
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4091.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 04:33 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 09:16:41 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (1):	STX-CLP	ID: 0.32 (mm)	Initial Calibration Date(s):	04/26/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		5/13/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:12
4,4'-DDT % Breakdown (1):	1.6%	Endrin % Breakdown (1):		4.5%
Combined % Breakdown (1):	6.2%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (2):	STX-CLPII	ID: 0.32 (mm)	Initial Calibration Date(s):	04/26/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		5/13/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:12
4,4'-DDT % Breakdown (1):	1.6%	Endrin % Breakdown (1):		4.3%
Combined % Breakdown (1):	5.9%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

Data Path : I:\ACQUDATA\7890N.net\data\051319\
 Data File : ae4083.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2019 02:12 pm
 Operator : a.moses
 Sample : pem
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 13 14:46:14 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

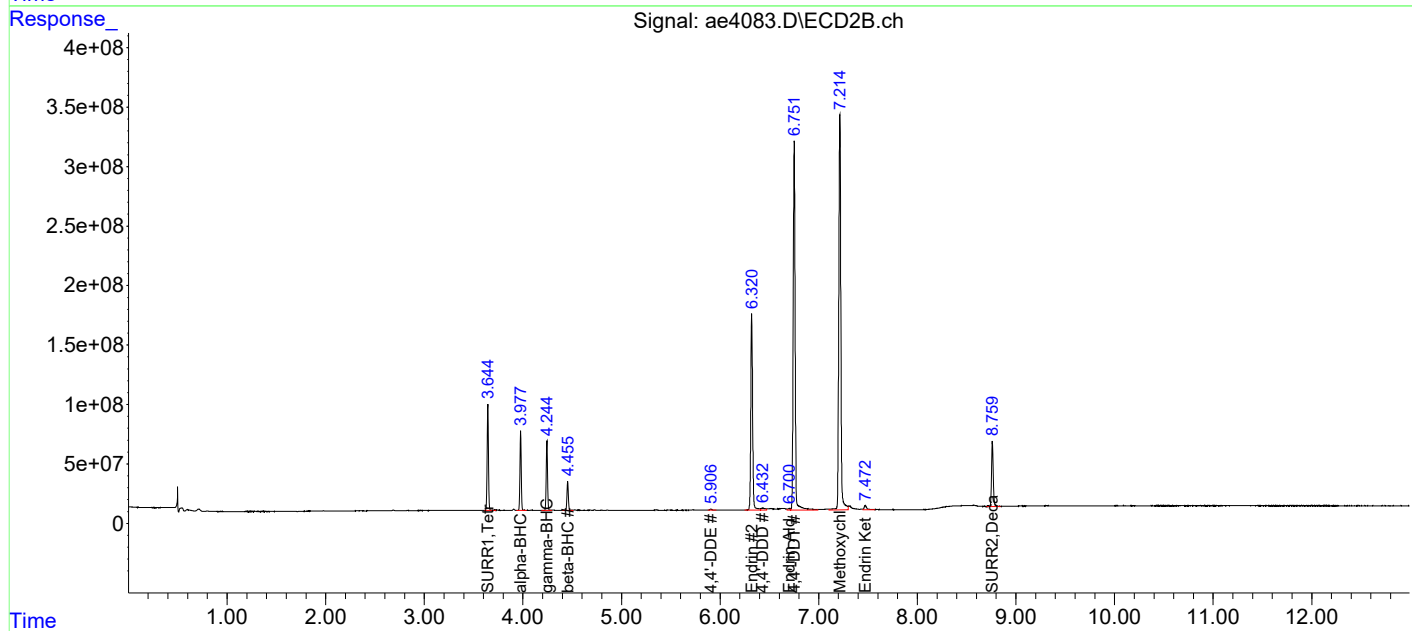
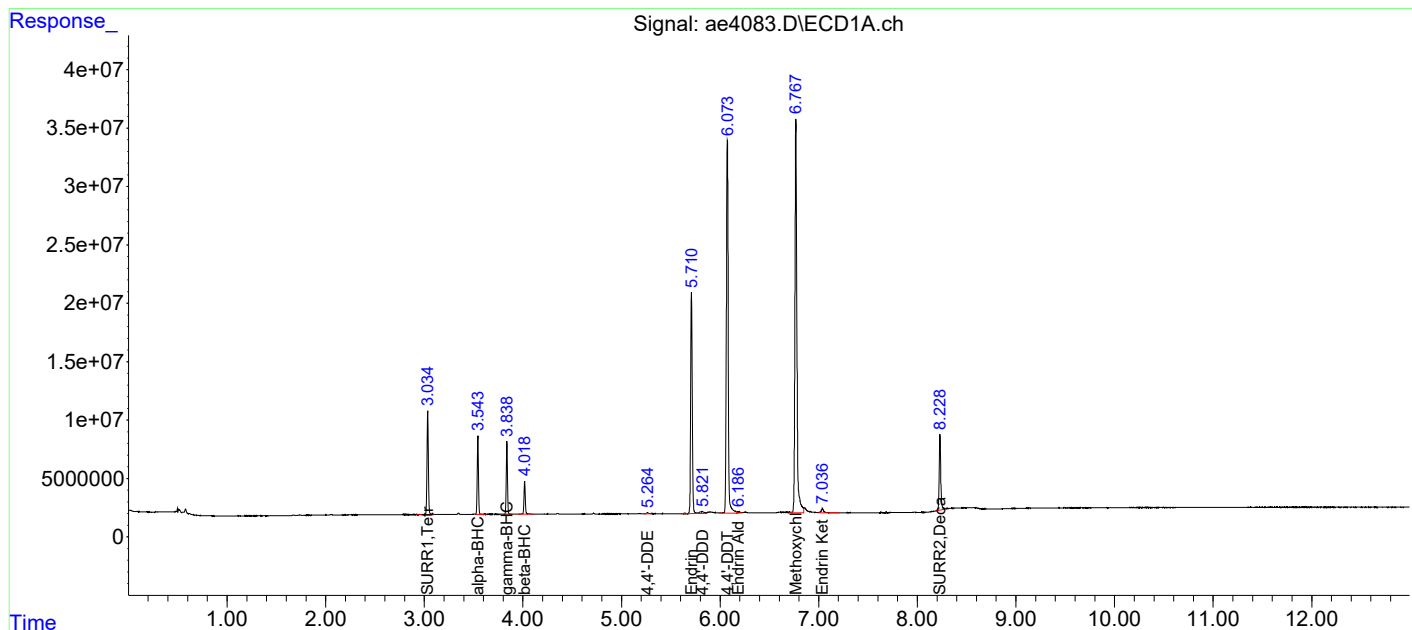
System Monitoring Compounds						
1) S SURR1,Tet...	3.035	3.645	85300155	845.3E6	18.420	18.779
Spiked Amount	100.000	Range	30 - 150	Recovery	= 18.42%#	18.78%#
26) S SURR2,Dec...	8.228	8.760	72732705	658.0E6	15.889	16.310
Spiked Amount	100.000	Range	30 - 150	Recovery	= 15.89%#	16.31%#
Target Compounds						
3) tc alpha-BHC	3.544	3.978	58147399	609.3E6	9.285	9.347
4) tcm gamma-BHC (L	3.838	4.244	53618306	547.6E6	9.119	9.239
7) tc beta-BHC	4.018	4.455	26021615	238.8E6	9.625	9.790
13) tc 4,4'-DDE	5.264	5.906	1285429	15193506	0.242	0.293
15) tcm Endrin	5.710	6.321	220.0E6	2154.4E6	42.843	41.178
18) tc 4,4'-DDD	5.820	6.431	5586201	49895684	1.247	1.090
19) tcm 4,4'-DDT	6.073	6.752	410.6E6	4099.8E6	82.467	82.149
20) tc Endrin Aldehy	6.185	6.701	2405862	22026478	0.535	0.543
22) tc Methoxychlor	6.768	7.214	483.1E6	4713.9E6	176.698	191.608
24) tc Endrin Keton	7.037	7.472	8013966	74561368	1.363	1.400
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051319\
Data File : ae4083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2019 02:12 pm
Operator : a.moses
Sample : pem
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 14:46:14 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

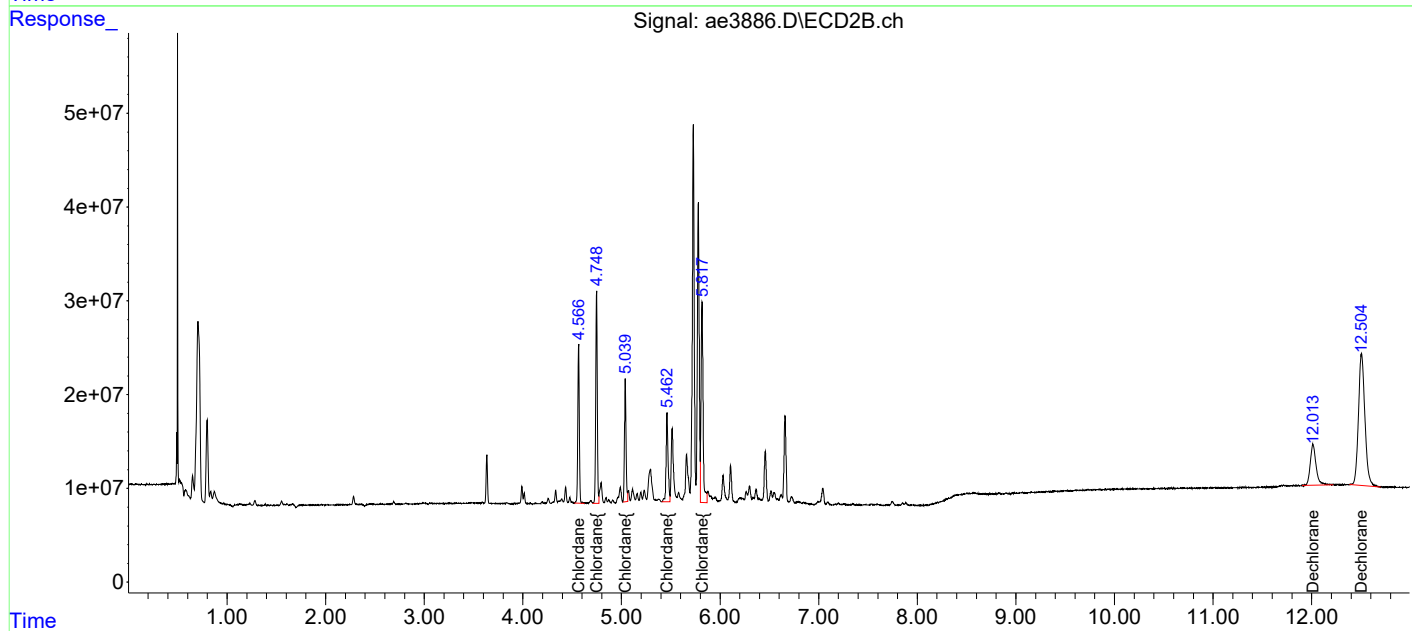
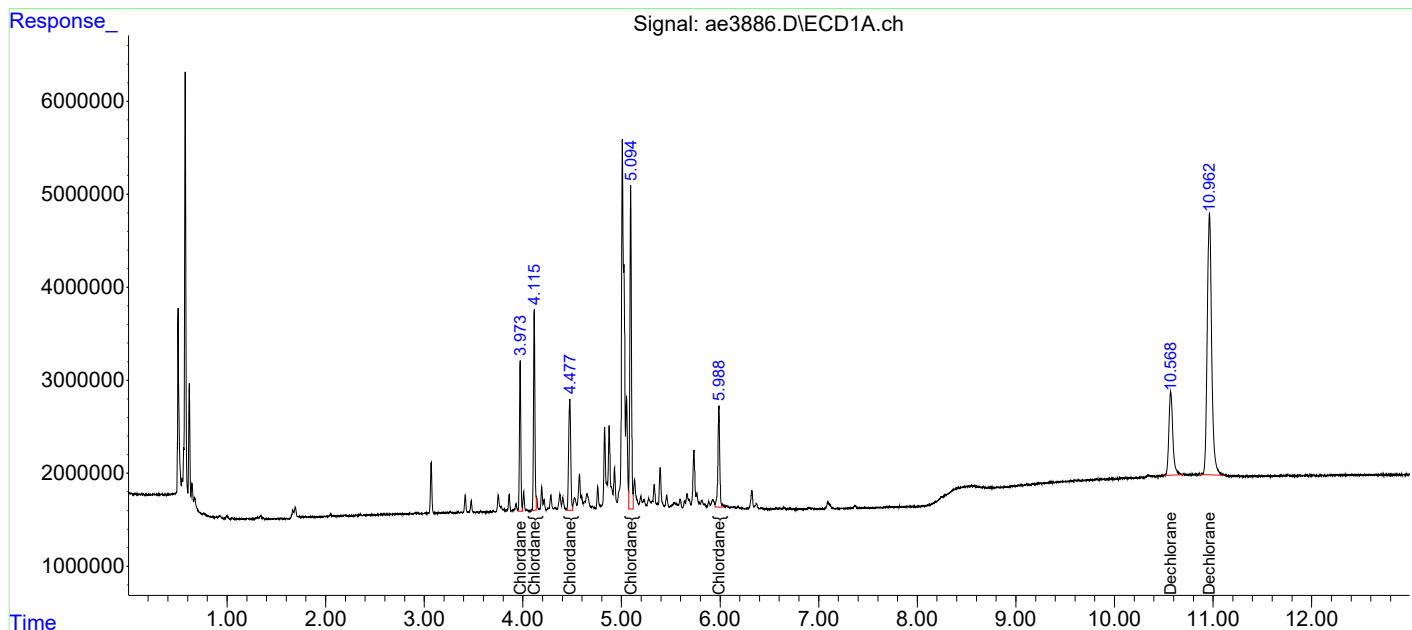
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	15342171	180.7E6	115.463	110.886
33) L9C Chlordane{2}	4.115	4.748	21363545	247.5E6	83.391m	84.297
34) L9C Chlordane{3}	4.477	5.039	17447932	146.4E6	100.893	102.427
35) L9C Chlordane{4}	5.094	5.462	39003547	135.5E6	102.144	97.793
36) L9C Chlordane{5}	5.989	5.818	14704630	297.6E6	94.192	95.936
Sum Chlordane			107.9E6	1007.6E6	496.084	491.338
Average Chlordane					99.217	98.268
37) L10C Dechloran...	10.569	12.013	24902209	179.0E6	45.666	45.982
38) L10C Dechloran...	10.963	12.505	88048245	636.6E6	45.082	45.996
Sum Dechlorane			113.0E6	815.5E6	90.748	91.978
Average Dechlorane					45.374	45.989

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:51 pm
Operator : a.moses
Sample : chlor icv
Misc : initial cal.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:04:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:04:00 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 01:13 pm
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:11:50 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound RT#1 RT#2 Resp#1 Resp#2 ug/l ug/l

System Monitoring Compounds

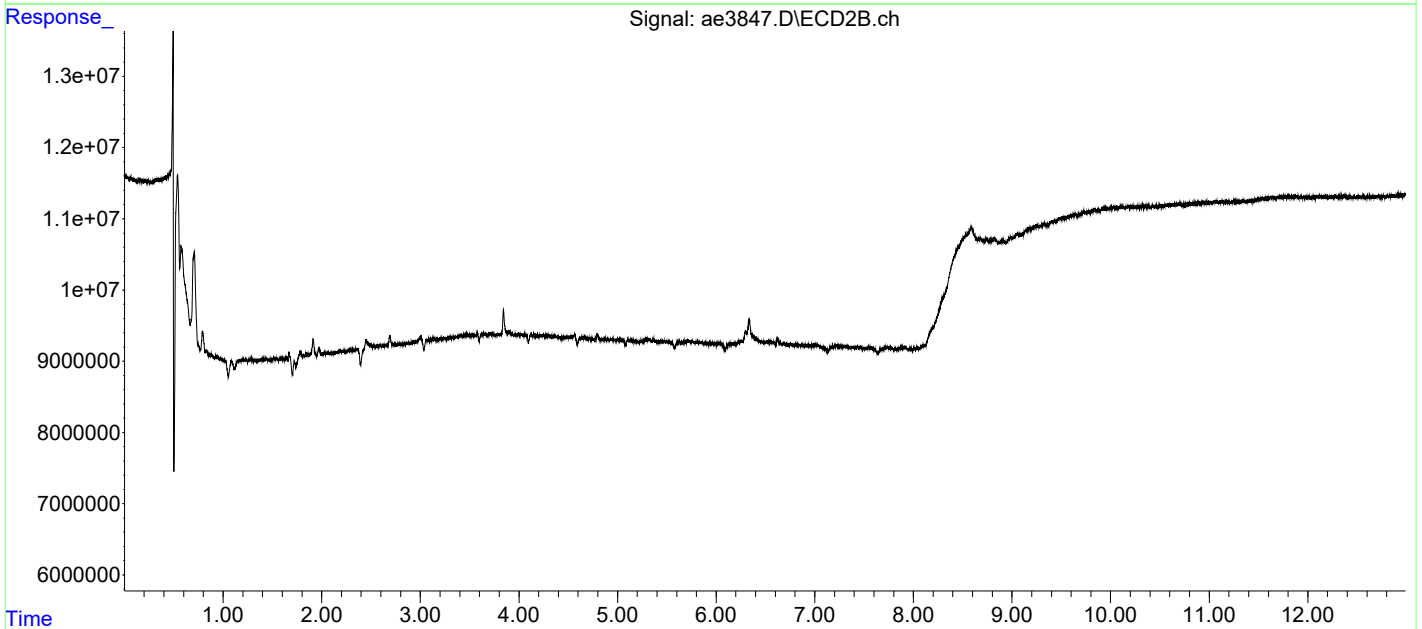
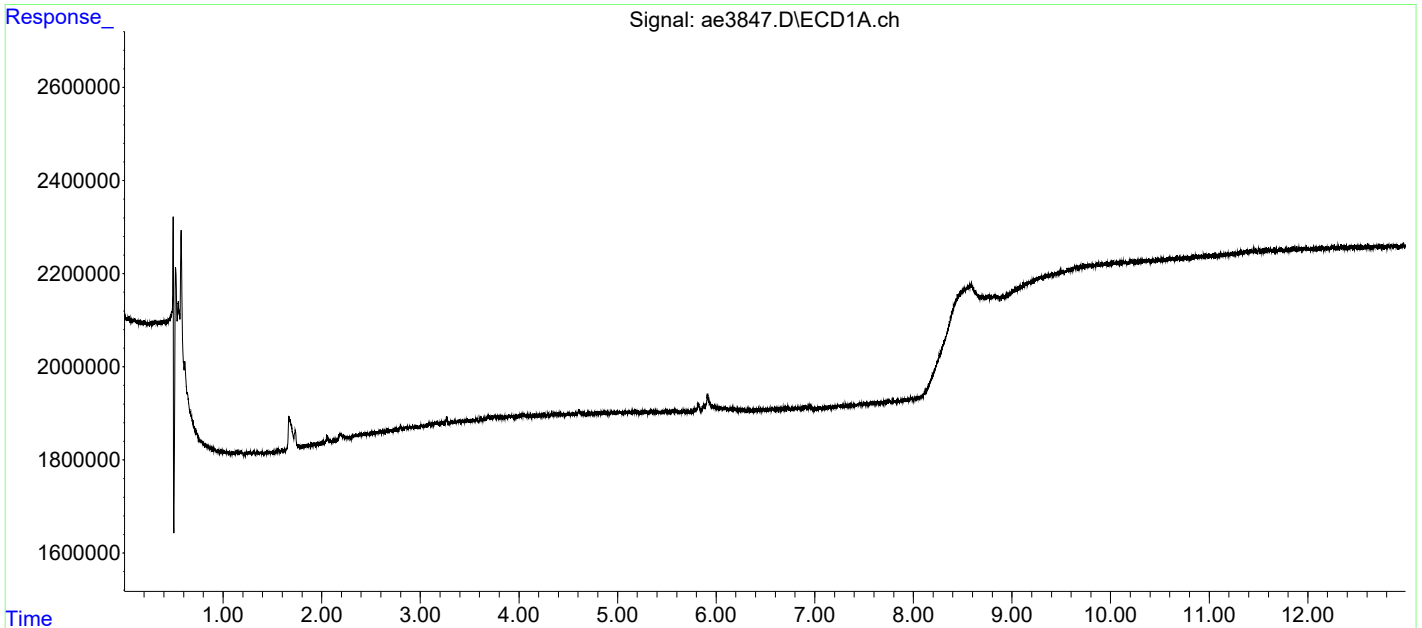
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 01:13 pm
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:11:50 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (1):	STX-CLP	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/26/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:32
4,4'-DDT % Breakdown (1):	1.4%	Endrin % Breakdown (1):		3.6%
Combined % Breakdown (1):	4.9%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (2):	STX-CLPII	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/26/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:32
4,4'-DDT % Breakdown (1):	1.6%	Endrin % Breakdown (1):		3.5%
Combined % Breakdown (1):	5.1%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:32 pm
 Operator : a.moses
 Sample : pem
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 30 12:11:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.034	3.634	97551239	919.1E6	21.065	20.420
Spiked Amount	100.000	Range	30 - 150	Recovery	= 21.07%#	20.42%#

Target Compounds

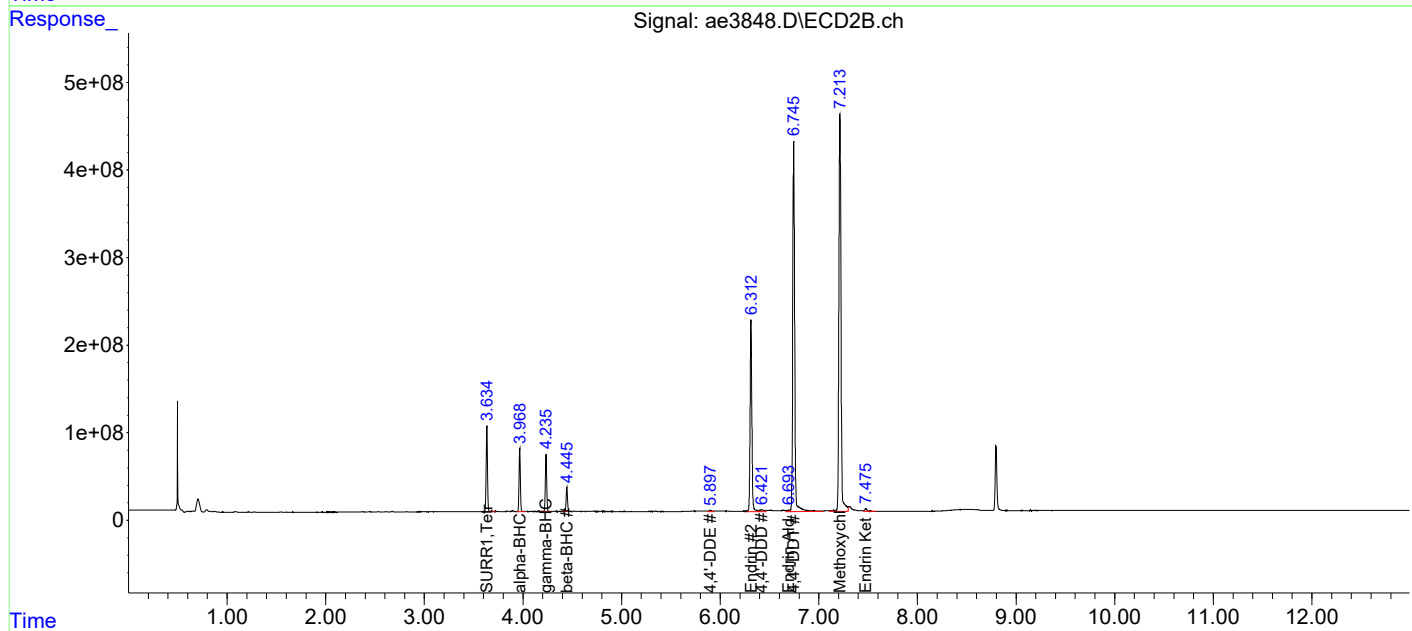
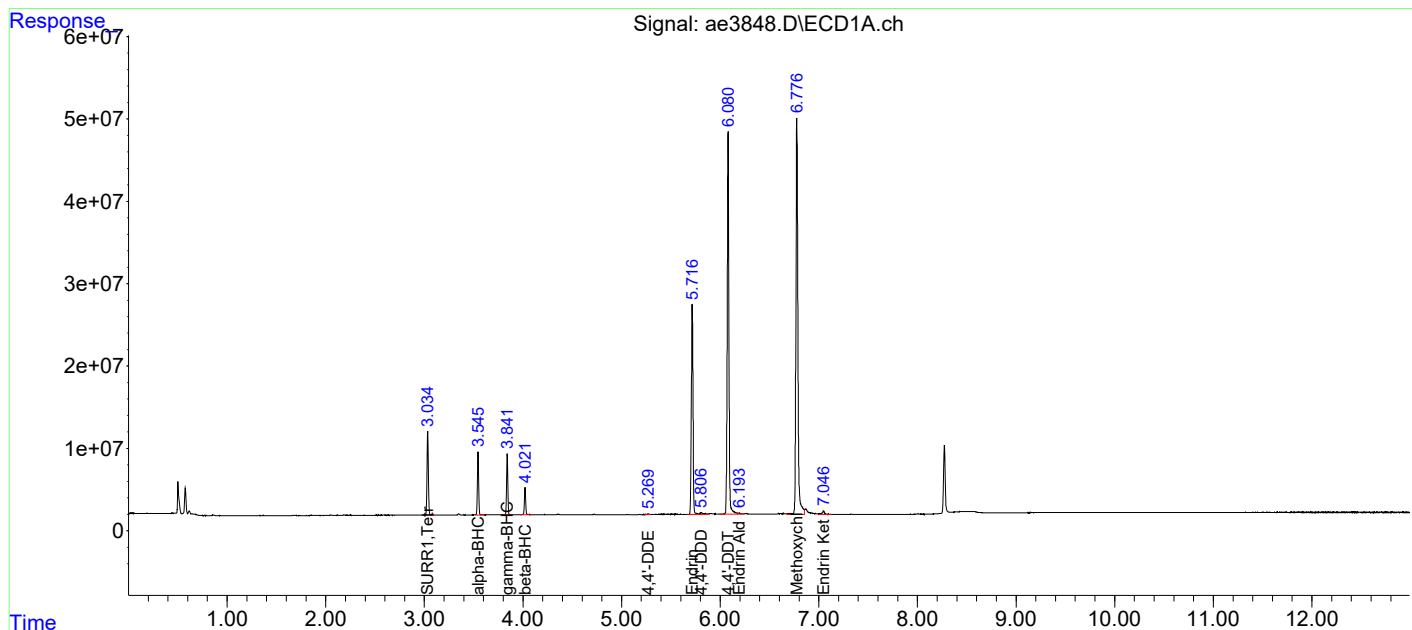
3) tc alpha-BHC	3.545	3.968	66609219	664.2E6	10.636	10.189
4) tcm gamma-BHC (L	3.841	4.235	64838942	626.5E6	11.027	10.569
7) tc beta-BHC	4.022	4.446	30294258	261.7E6	11.205	10.730
13) tc 4,4'-DDE	5.269	5.898	1540690	31354552	0.290	0.604 #
15) tcm Endrin	5.717	6.312	288.9E6	2799.9E6	56.262	53.514
18) tc 4,4'-DDD	5.807	6.421	6418157	62645216	1.432	1.368
19) tcm 4,4'-DDT	6.081	6.746	569.4E6	5753.0E6	114.377	115.274
20) tc Endrin Aldeh	6.193	6.693	3389023	32396428	0.754	0.798
22) tc Methoxychlor	6.777	7.214	686.5E6	6655.7E6	251.081	270.537
24) tc Endrin Keton	7.046	7.476	7307825	67973160	1.243	1.276
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:32 pm
Operator : a.moses
Sample : pem
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:11:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

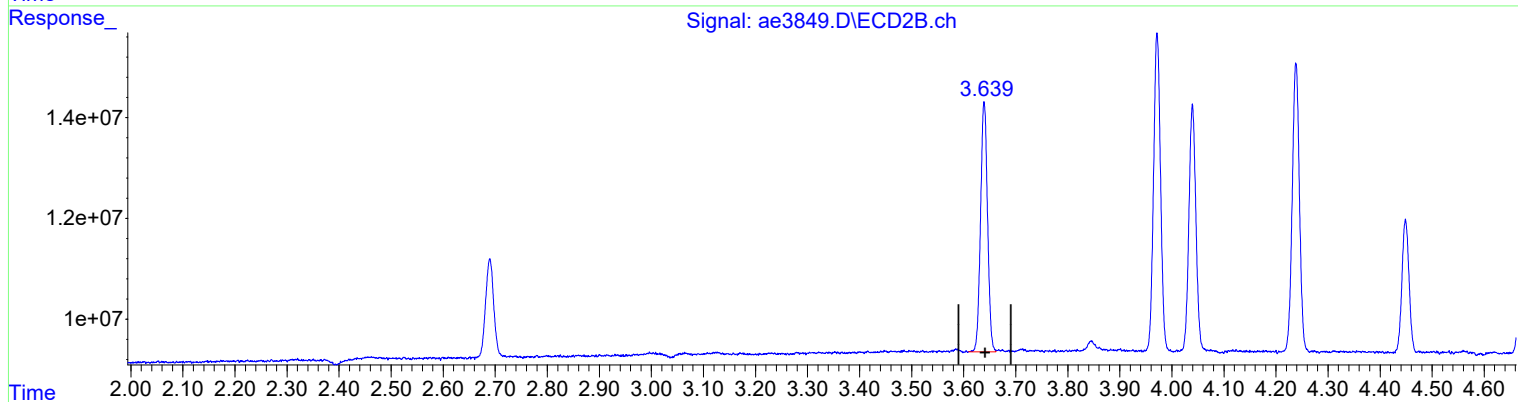
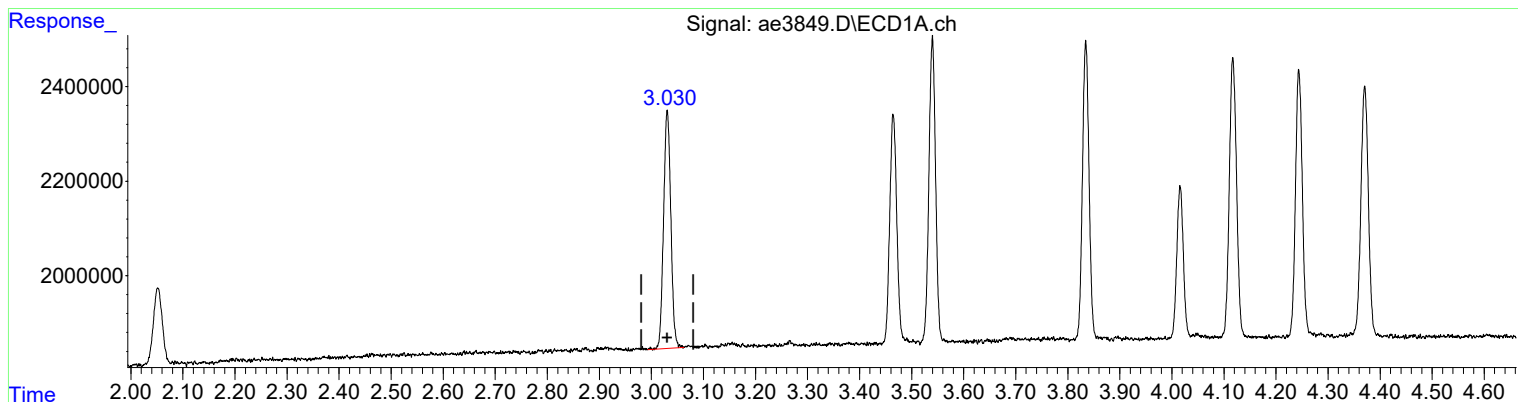
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(1) SURR1,Tetrac (S)
3.031min 1.062 ug/l
response 4873232

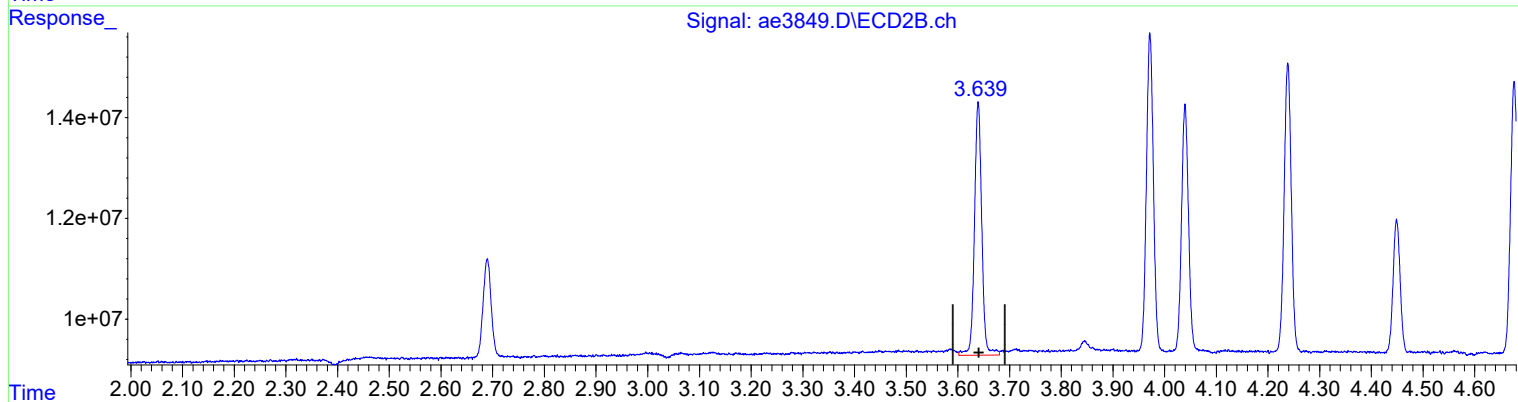
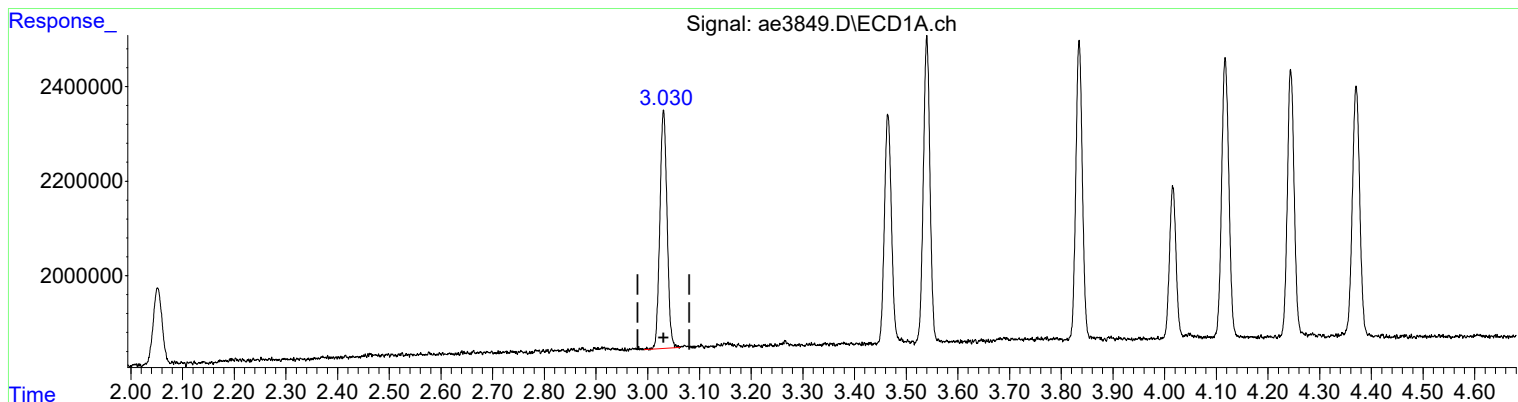
(1) SURR1,Tetrac #2 (S)
3.639min 1.025 ug/l m
response 45958289

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(1) SURR1,Tetrac (S)
3.031min 1.062 ug/l
response 4873232

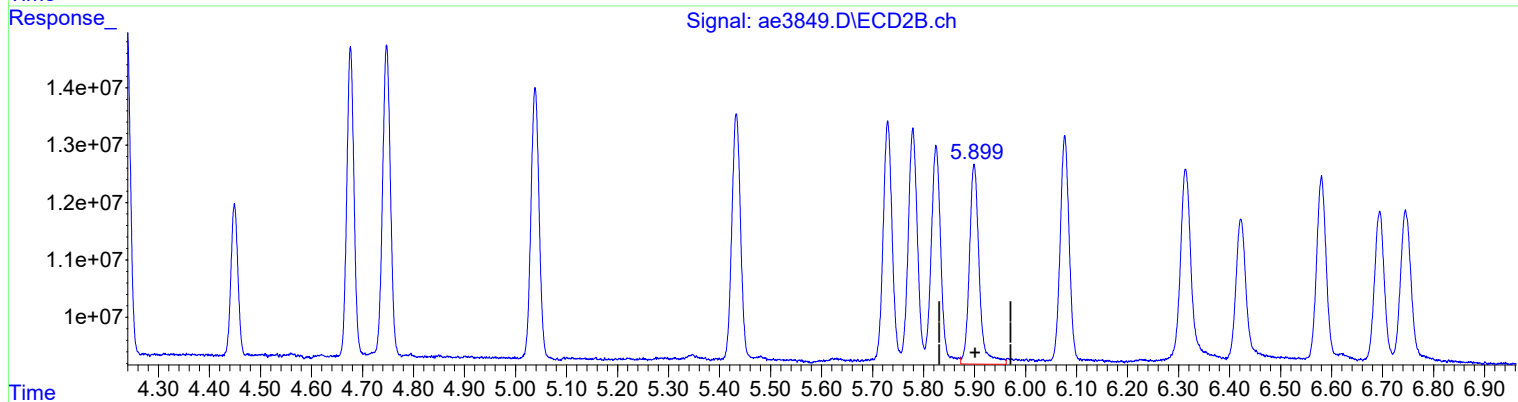
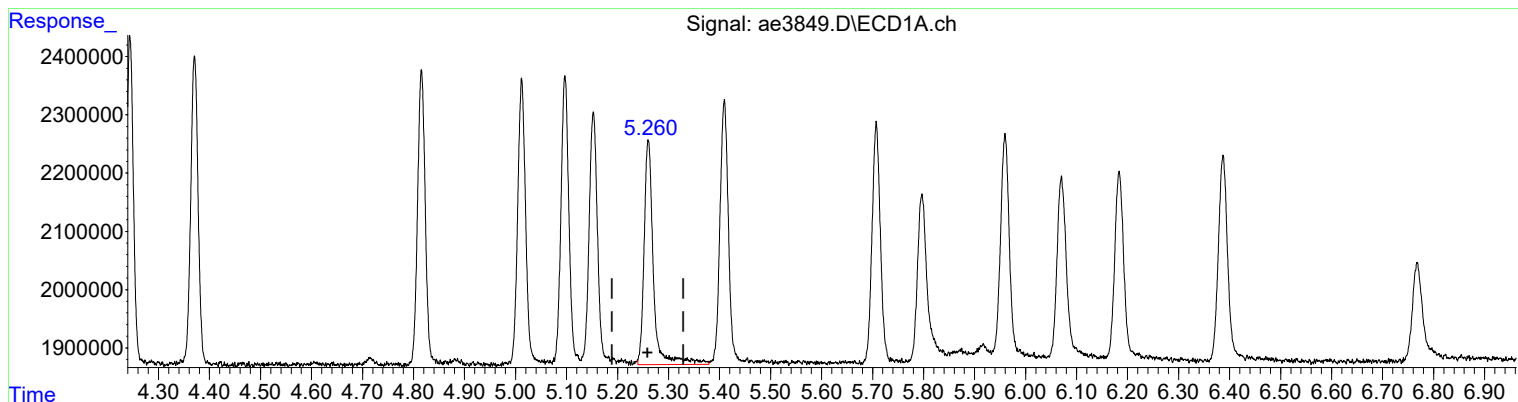
(1) SURR1,Tetrac #2 (S)
3.640min 1.104 ug/l
response 49503653

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) 4,4'-DDE (tc)
5.260min 0.903 ug/l m
response 4871983

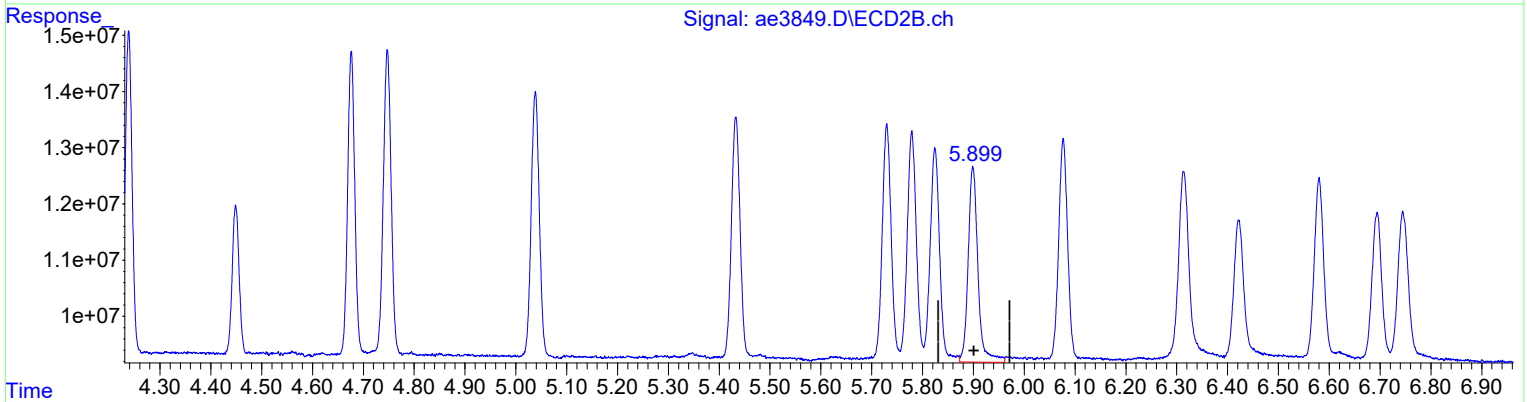
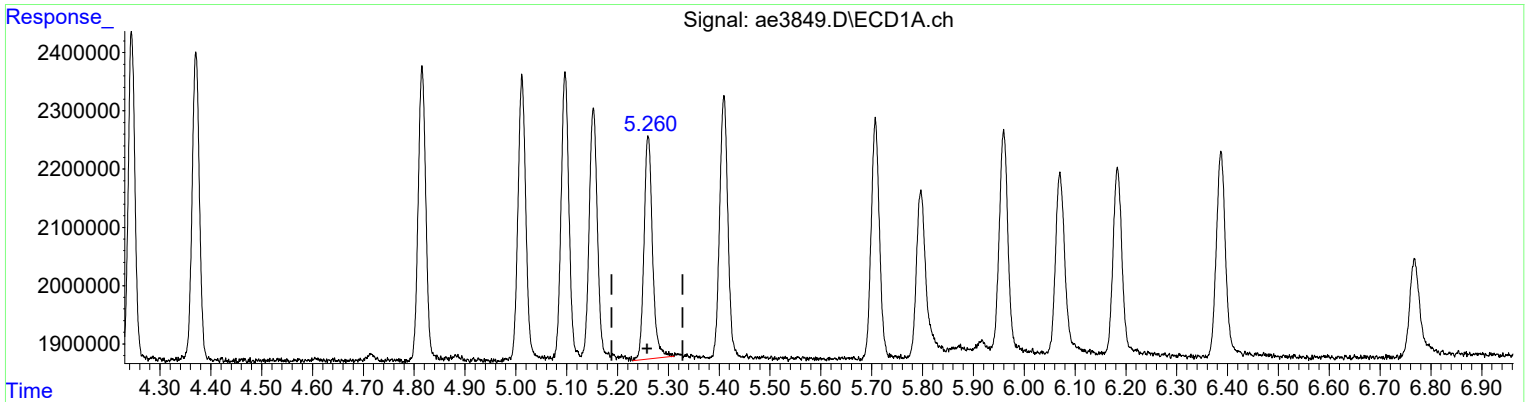
(13) 4,4'-DDE #2 (tc)
5.899min 0.878 ug/l
response 46402752

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

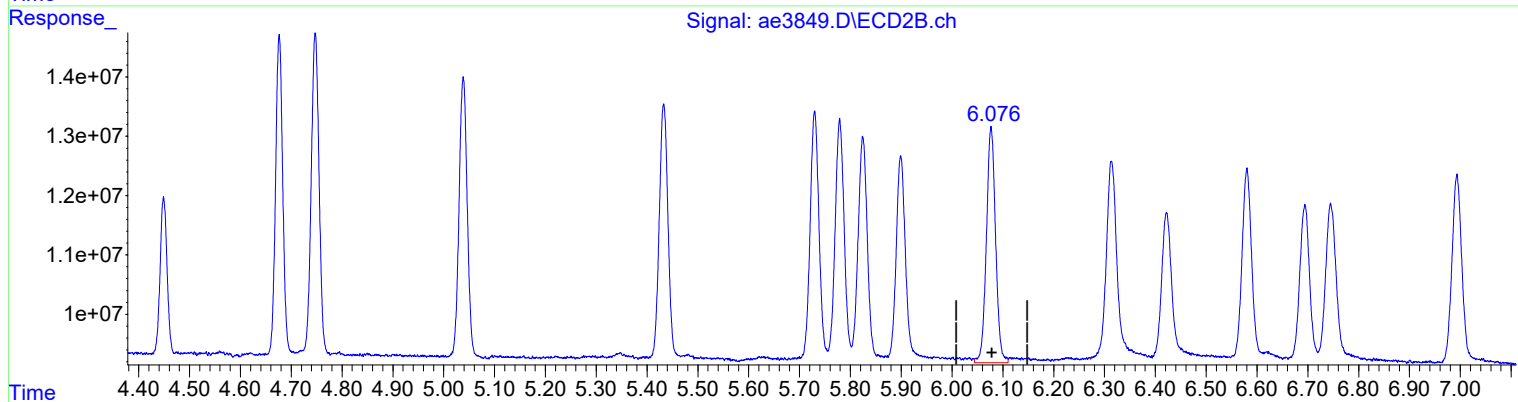
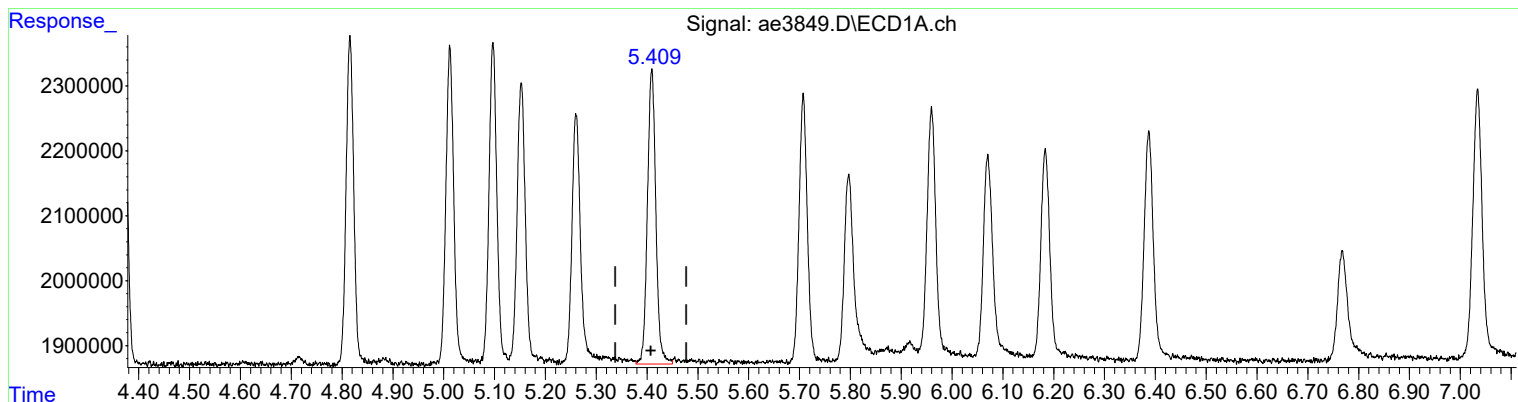


Retention Time (min)	Concentration (ug/l)	Response	Integration Status
(13) 4,4'-DDE (tc)			Manual Integration: Before
5.260min	0.819 ug/l	4414260	
(13) 4,4'-DDE #2 (tc)			04/29/19
5.899min	0.878 ug/l	46402752	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(14) Dieldrin (tcm)
5.409min 0.899 ug/l m
response 5225834

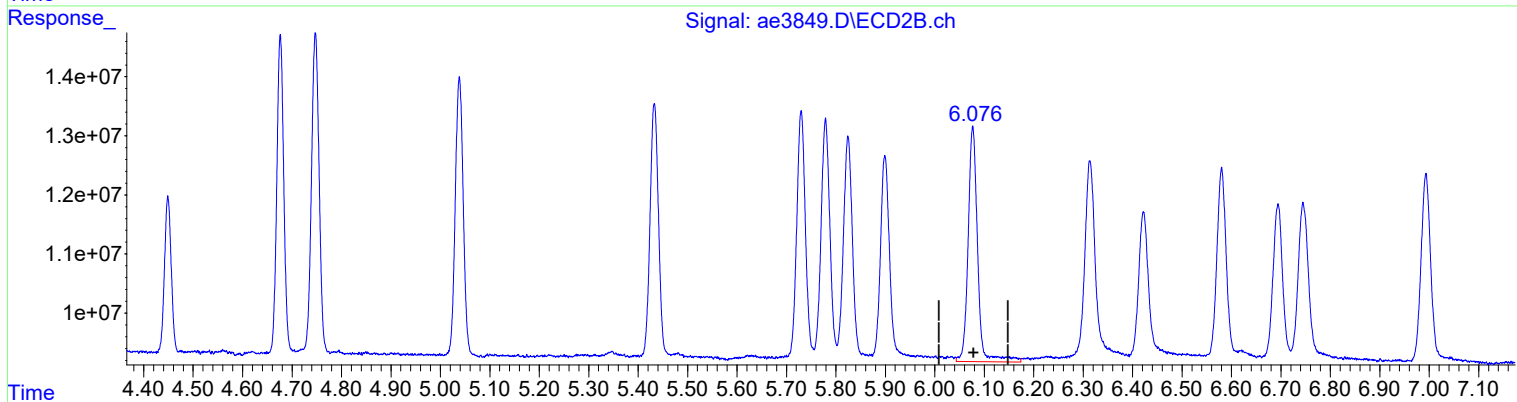
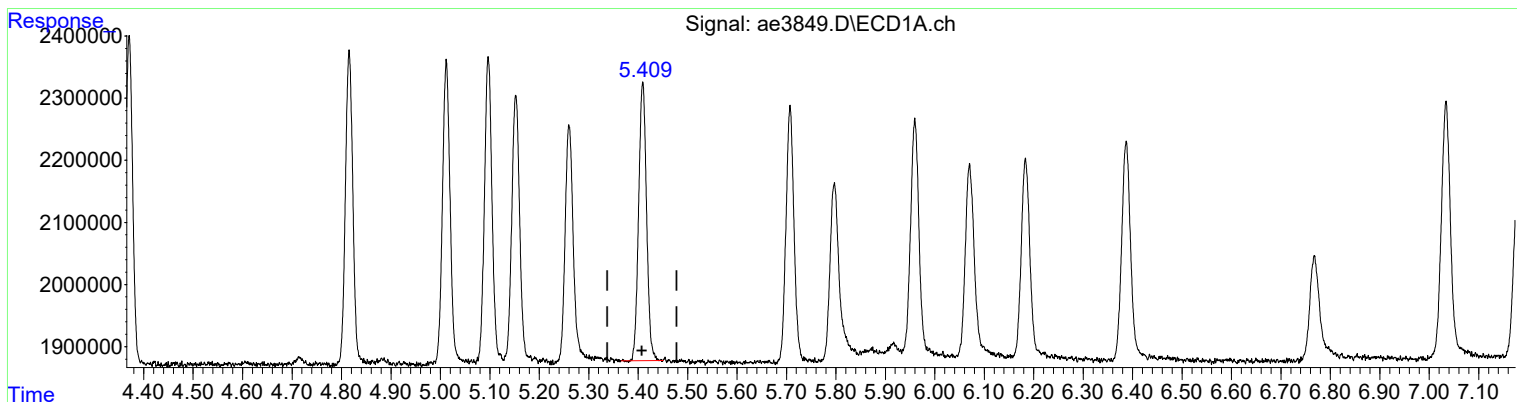
(14) Dieldrin #2 (tcm)
6.076min 0.860 ug/l m
response 49876870

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(14) Dieldrin (tcm)
5.409min 0.858 ug/l
response 4984889

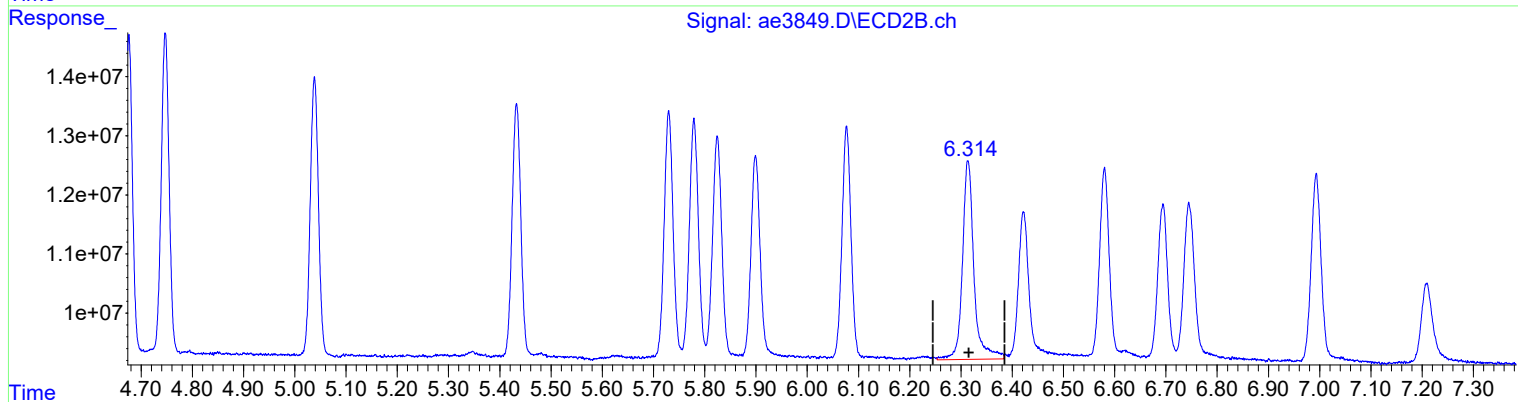
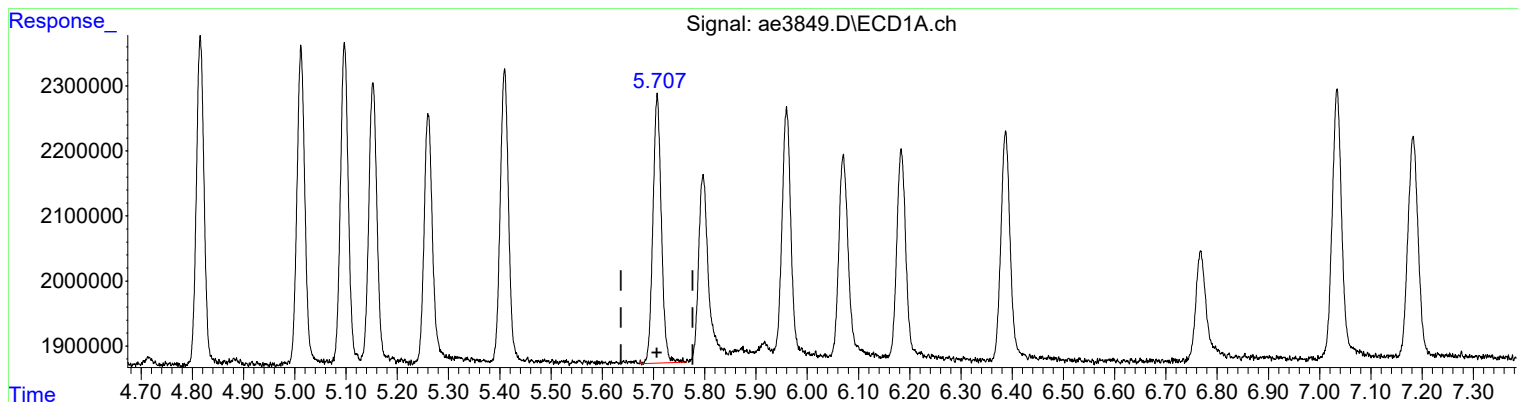
Manual Integration:
Before
04/29/19

(14) Dieldrin #2 (tcm)
6.077min 0.914 ug/l
response 53048535

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(15) Endrin (tcm)
5.707min 0.905 ug/l
response 4713522

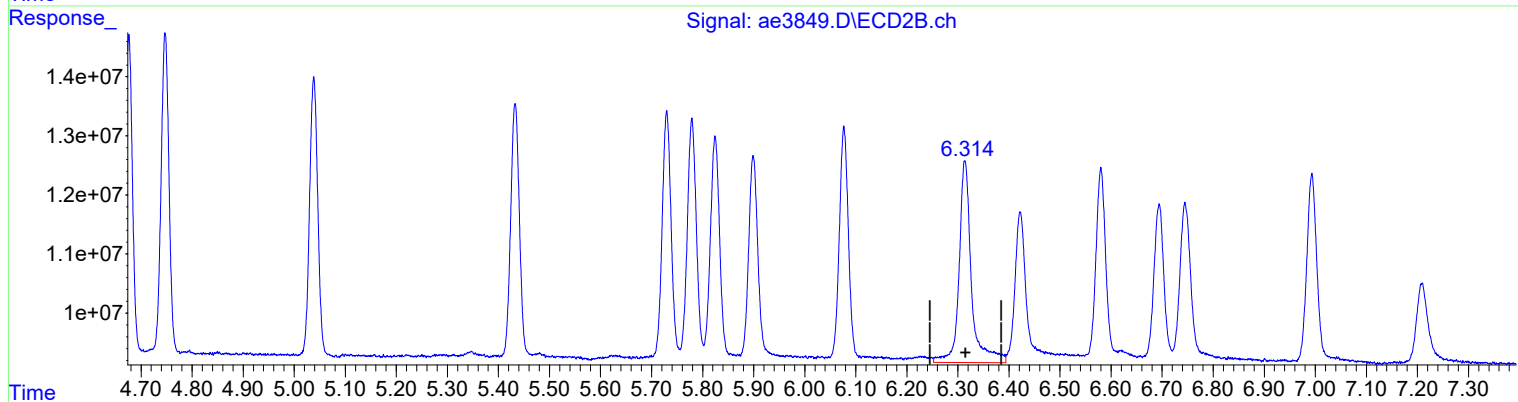
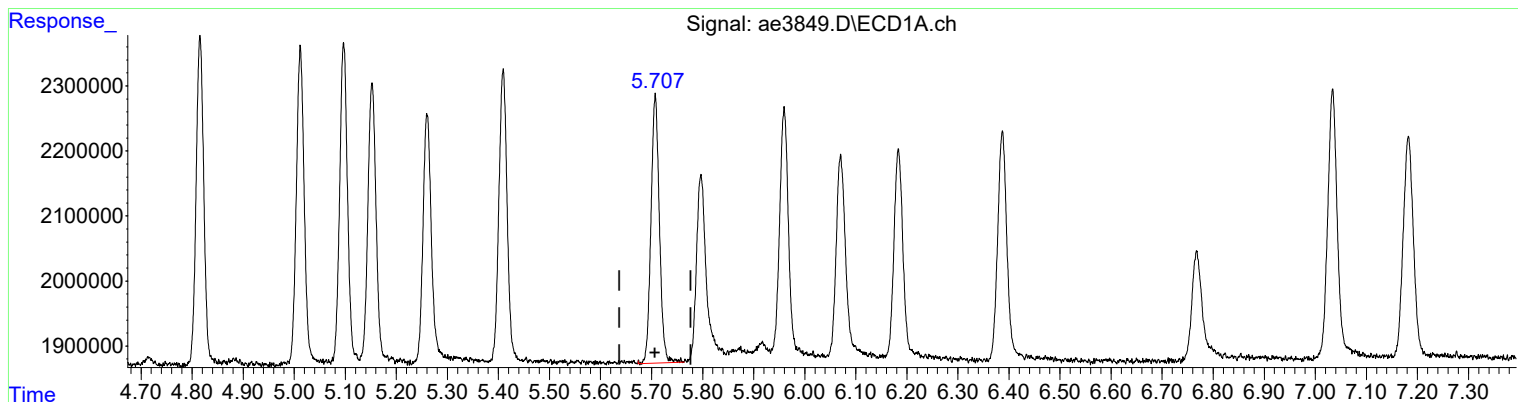
(15) Endrin #2 (tcm)
6.314min 1.007 ug/l m
response 52641528

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(15) Endrin (tcm)
5.707min 0.905 ug/l
response 4713522

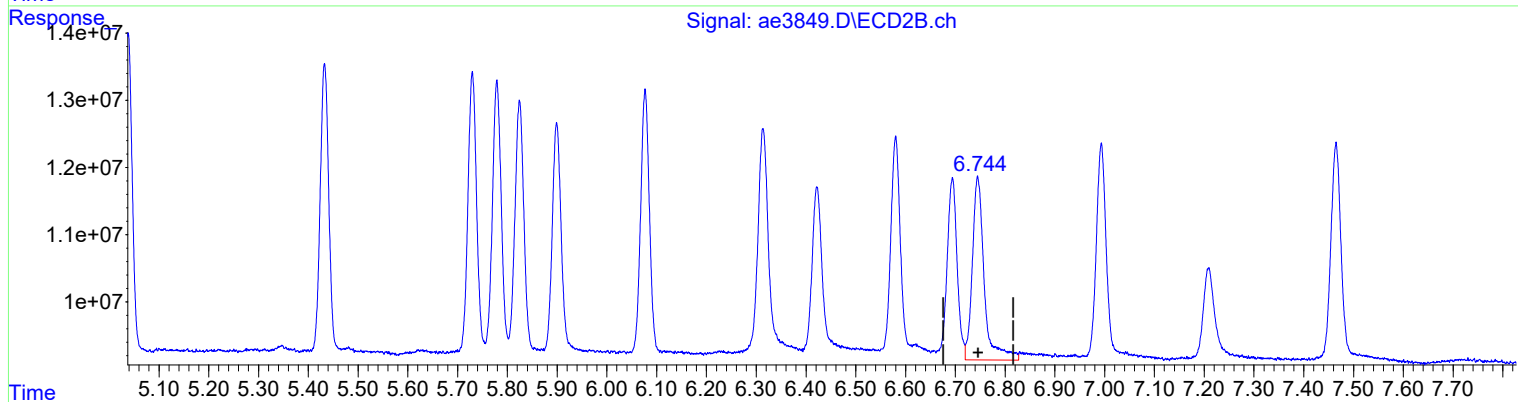
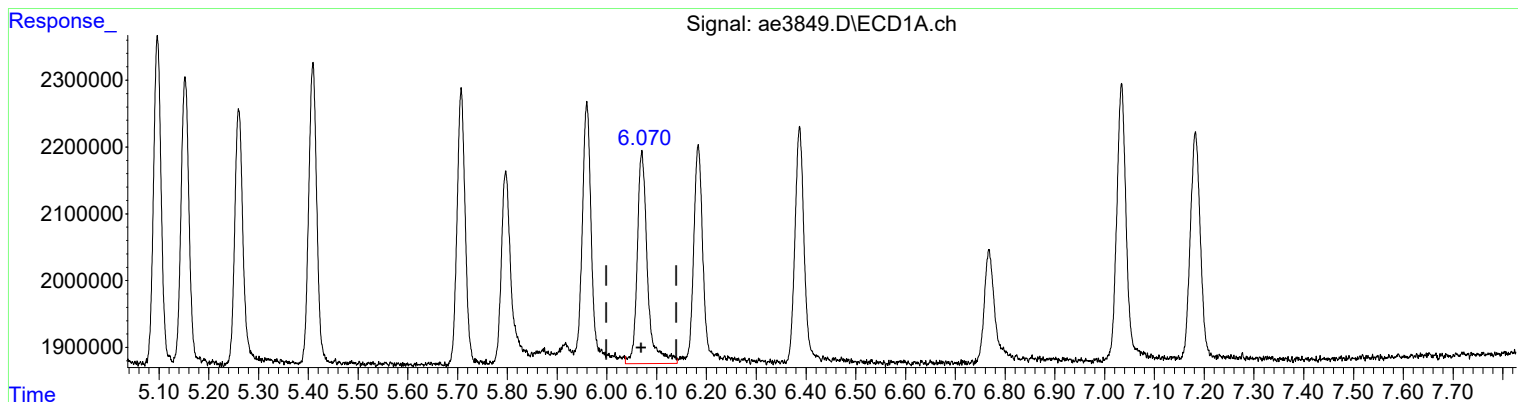
Manual Integration:
Before
04/29/19

(15) Endrin #2 (tcm)
6.314min 1.102 ug/l
response 57608098

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(19) 4,4'-DDT (tcm)
6.070min 0.895 ug/l m
response 4523932

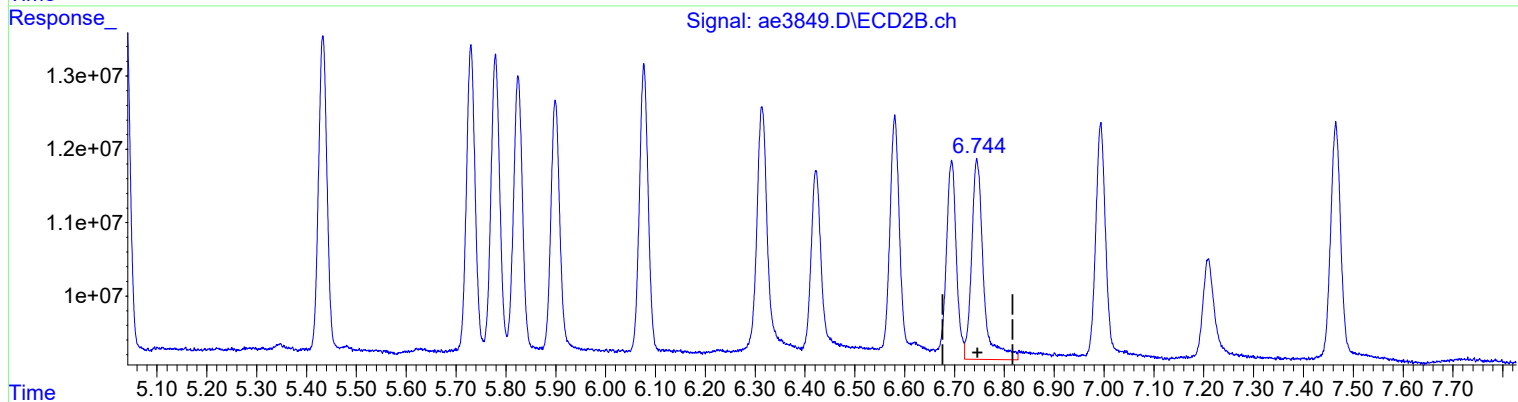
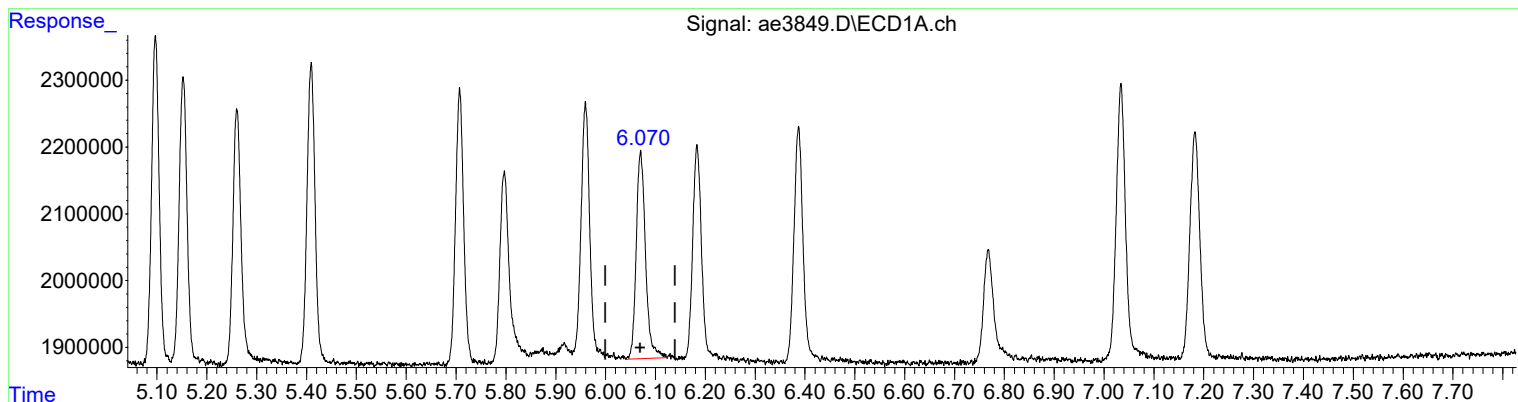
(19) 4,4'-DDT #2 (tcm)
6.745min 0.898 ug/l
response 45459331

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

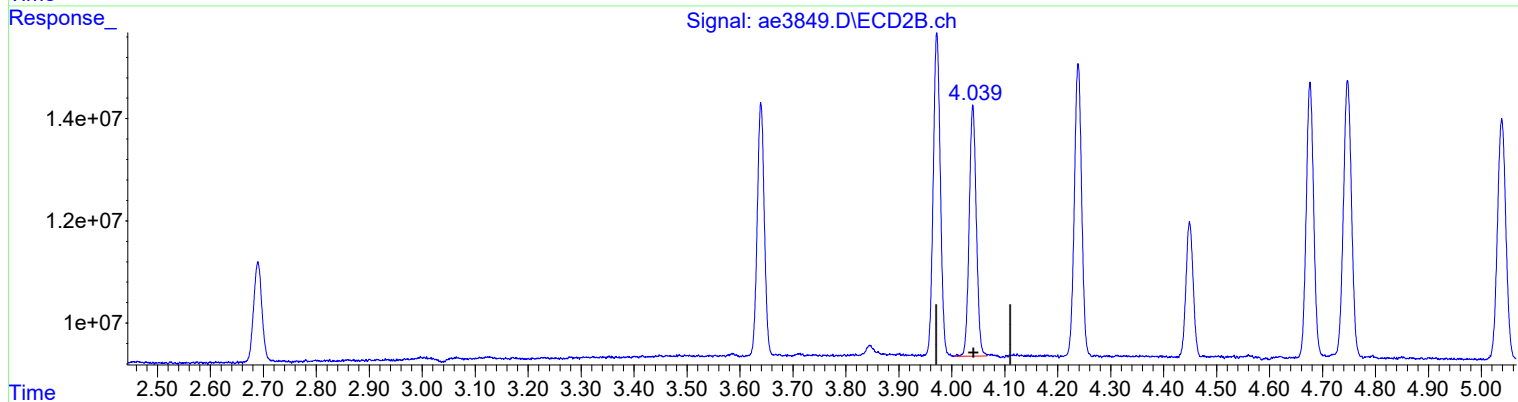
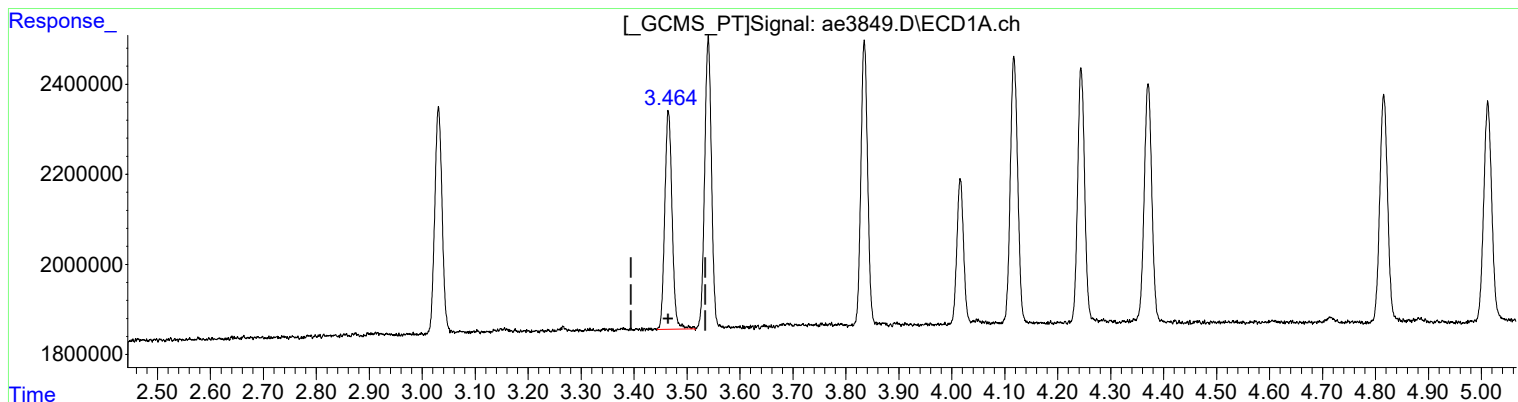


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
6.070	0.793	4009673	Manual Integration: Before	04/29/19
6.745	0.898	45459331	Manual Integration: Before	04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



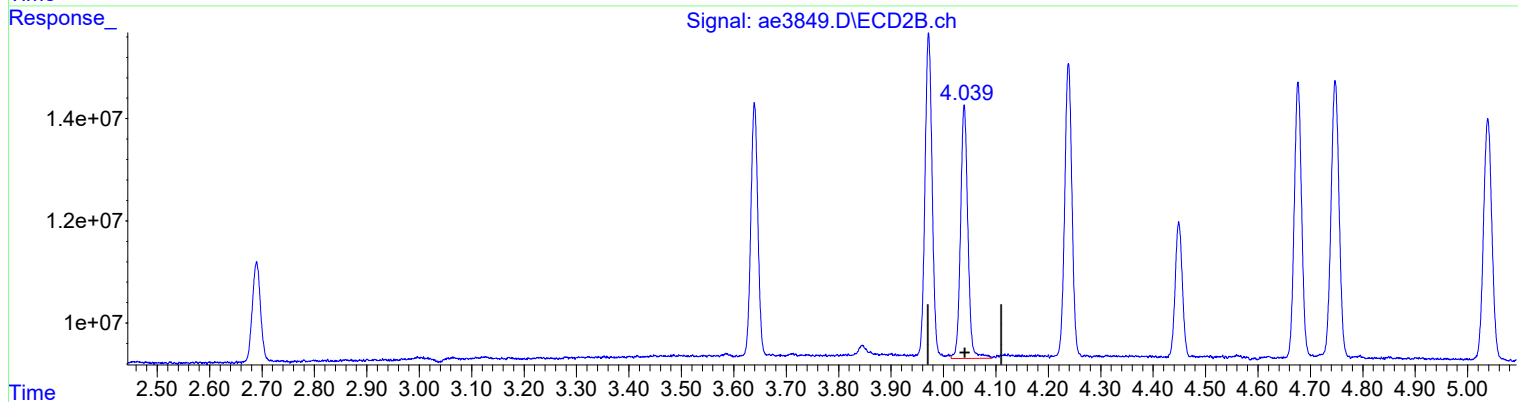
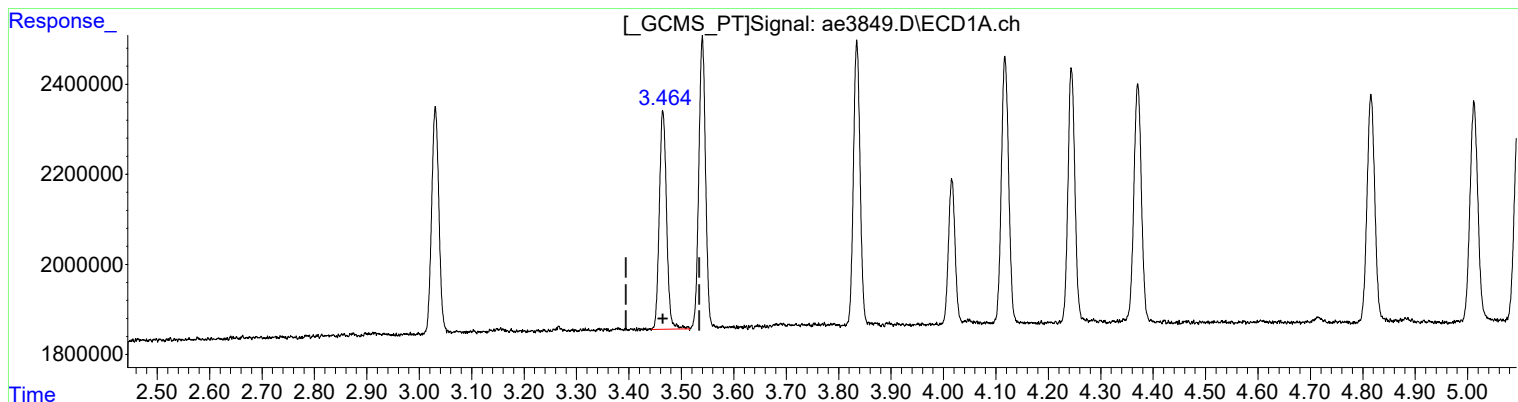
QEdit

(2) HEXACHLOROBENZENE (TC)	Manual Integration:
3.465min 1.136 ug/l	After
response 4653031	Poor integration.
	04/29/19
(2) HEXACHLOROBENZENE #2 (TC)	
4.039min 1.054 ug/l m	
response 45887166	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



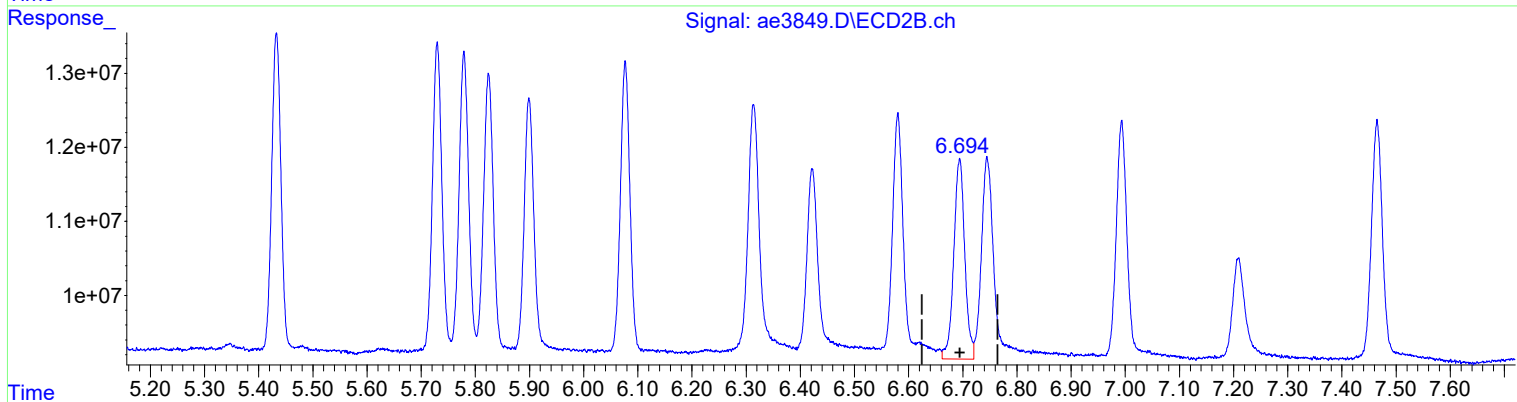
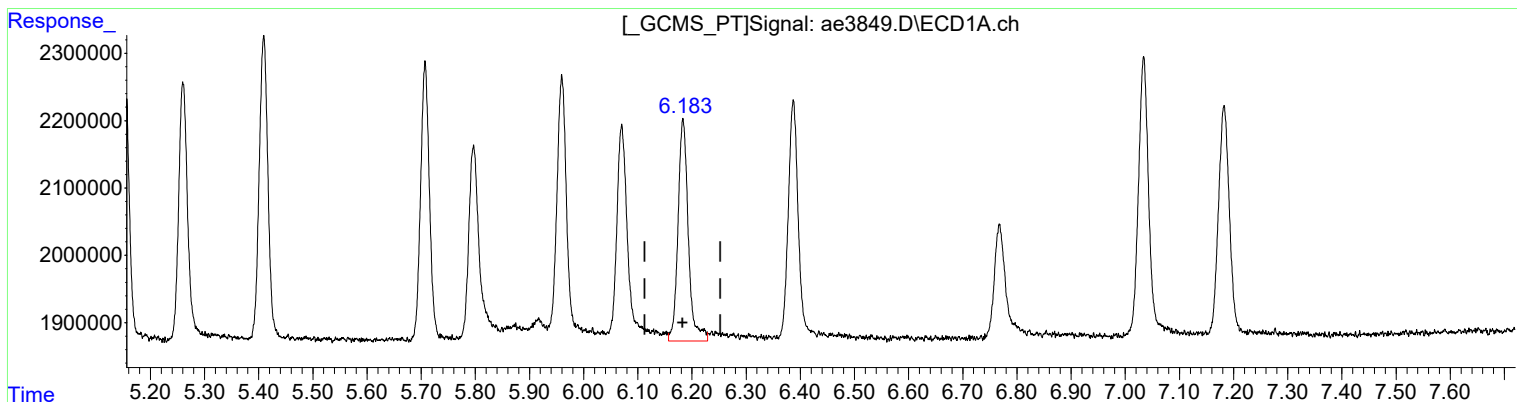
QEdit

(2) HEXACHLOROBENZENE (TC)	Manual Integration:
3.465min 1.136 ug/l	Before
response 4653031	04/29/19
(2) HEXACHLOROBENZENE #2 (TC)	
4.040min 1.103 ug/l	
response 48016001	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(20) Endrin Aldehy (tc)
6.183min 0.960 ug/l m
response 4342790

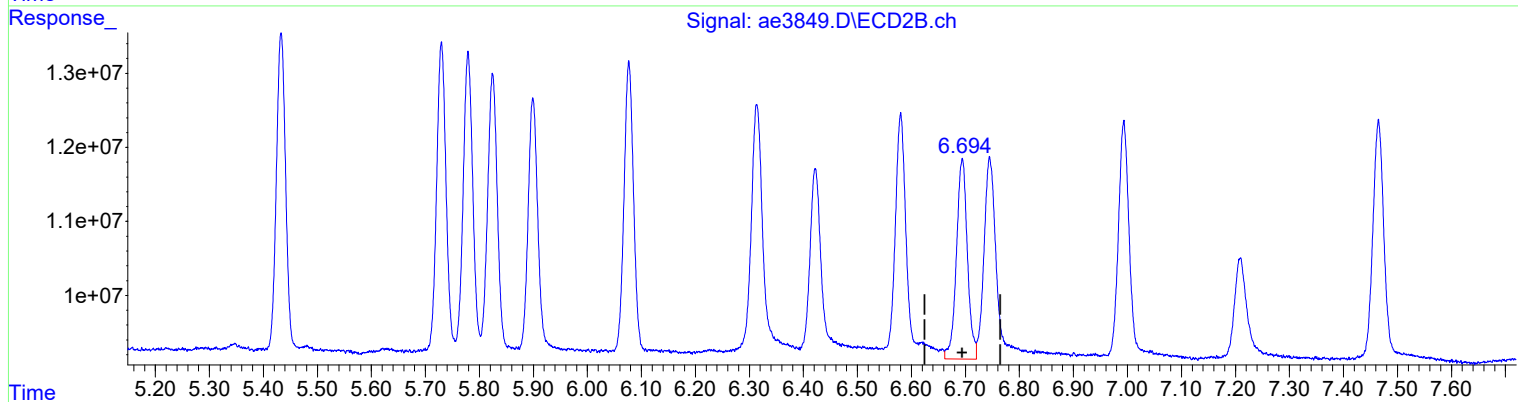
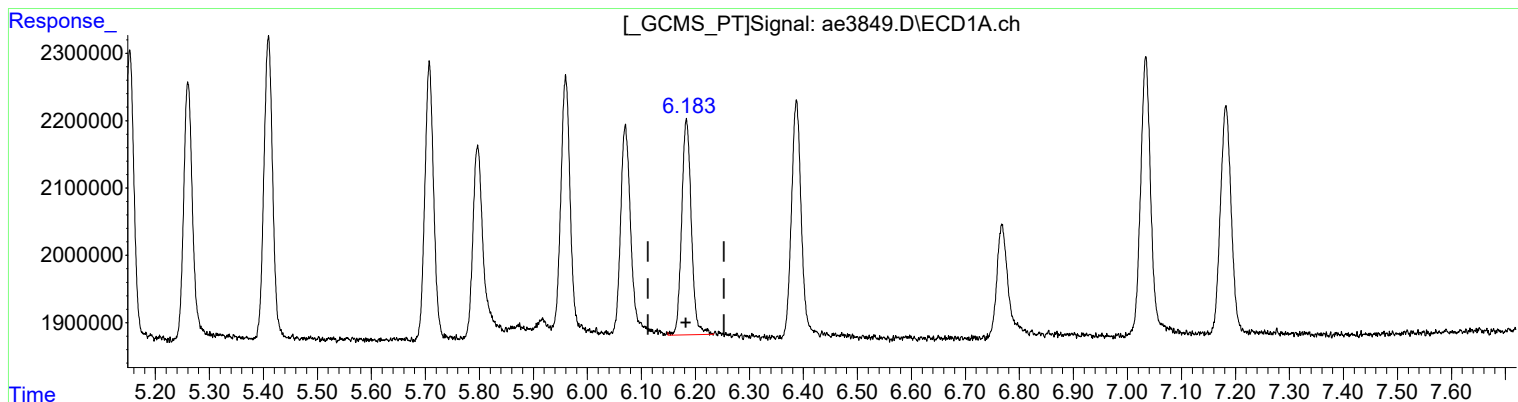
(20) Endrin Aldehy #2 (tc)
6.694min 0.934 ug/l
response 38284627

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(20) Endrin Aldehy (tc)
6.184min 0.876 ug/l
response 3960954

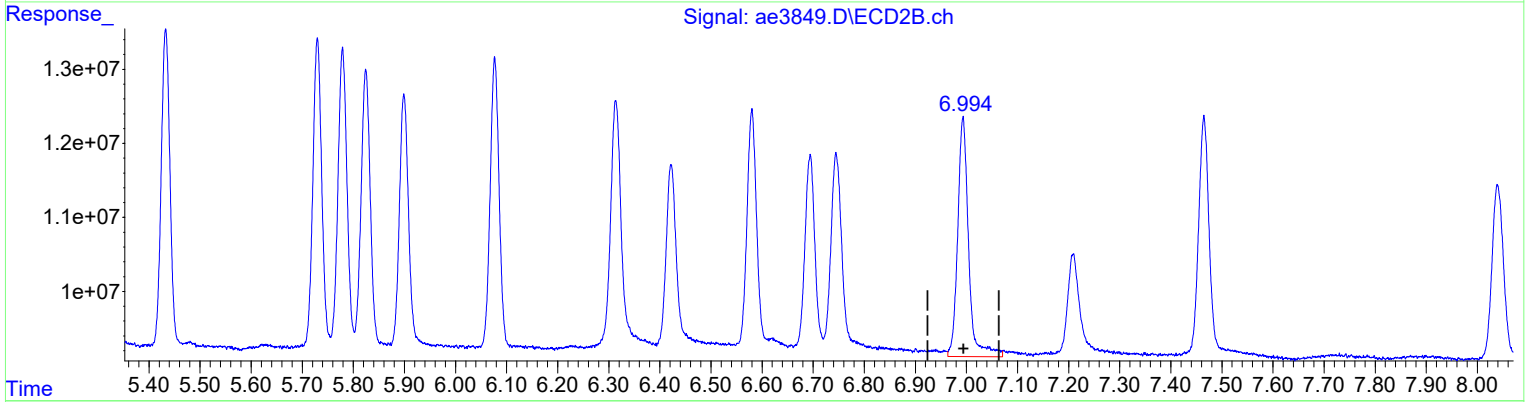
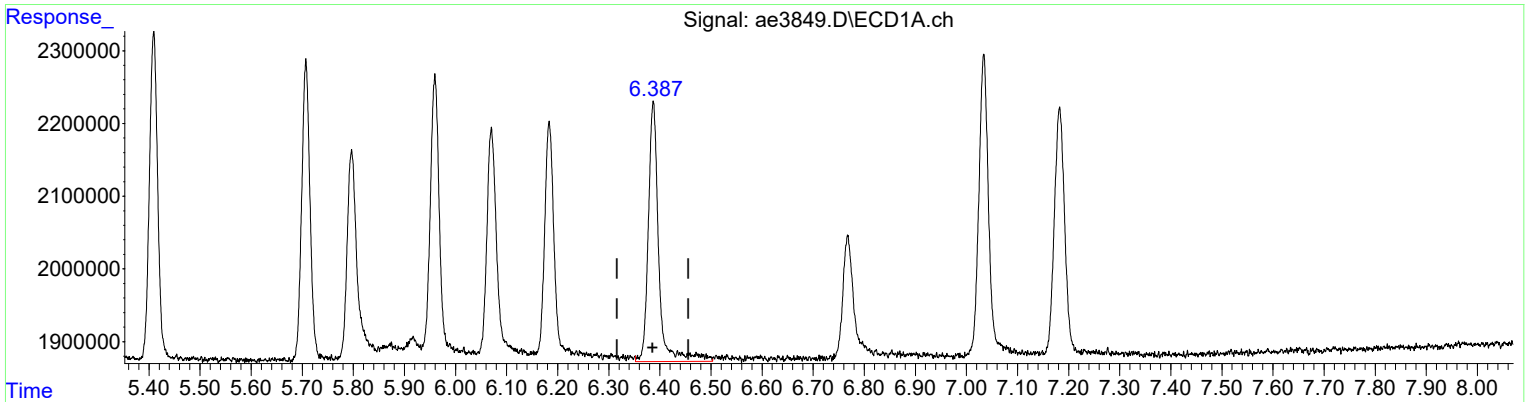
(20) Endrin Aldehy #2 (tc)
6.694min 0.934 ug/l
response 38284627

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(21) Endosulfan S (tc)
6.387min 1.016 ug/l m
response 5065008

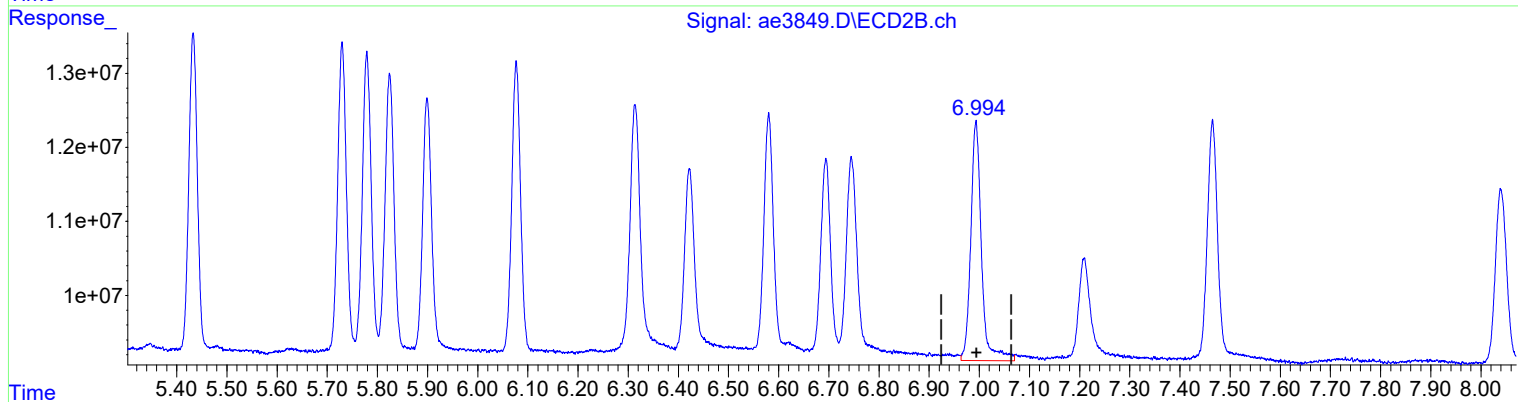
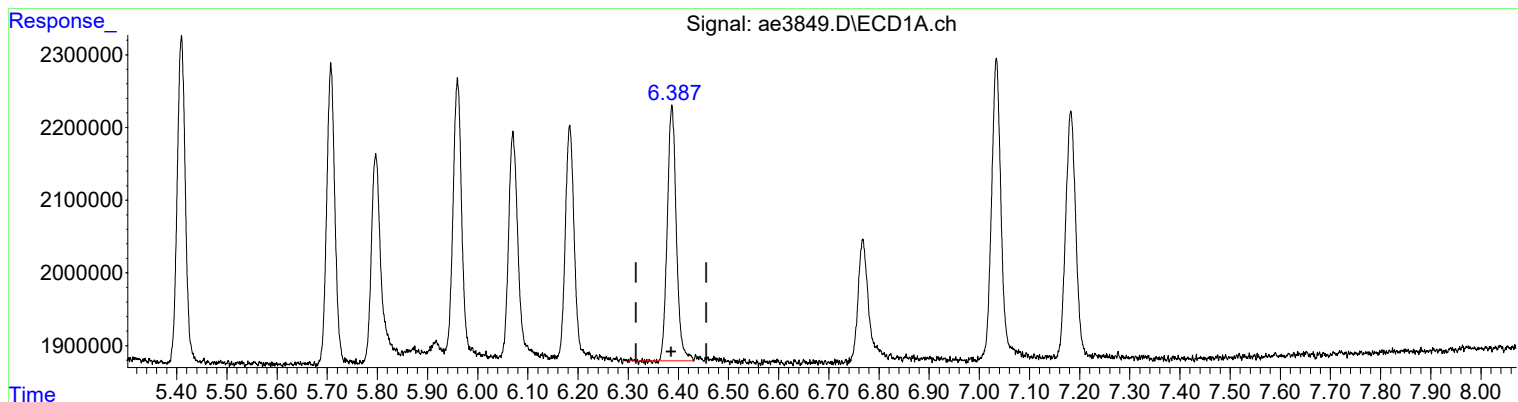
(21) Endosulfan S #2 (tc)
6.993min 0.904 ug/l
response 47906279

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



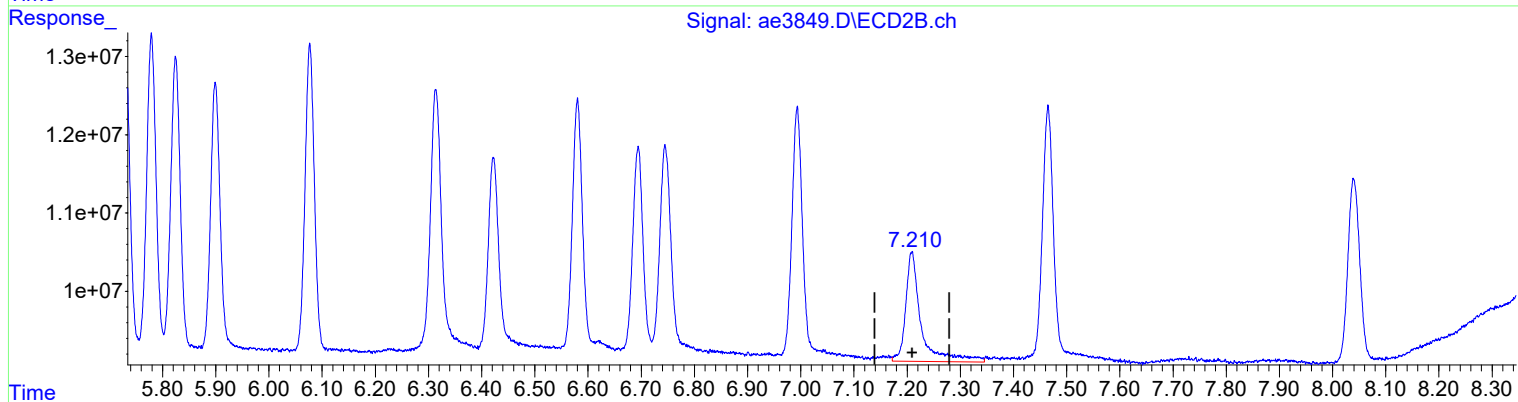
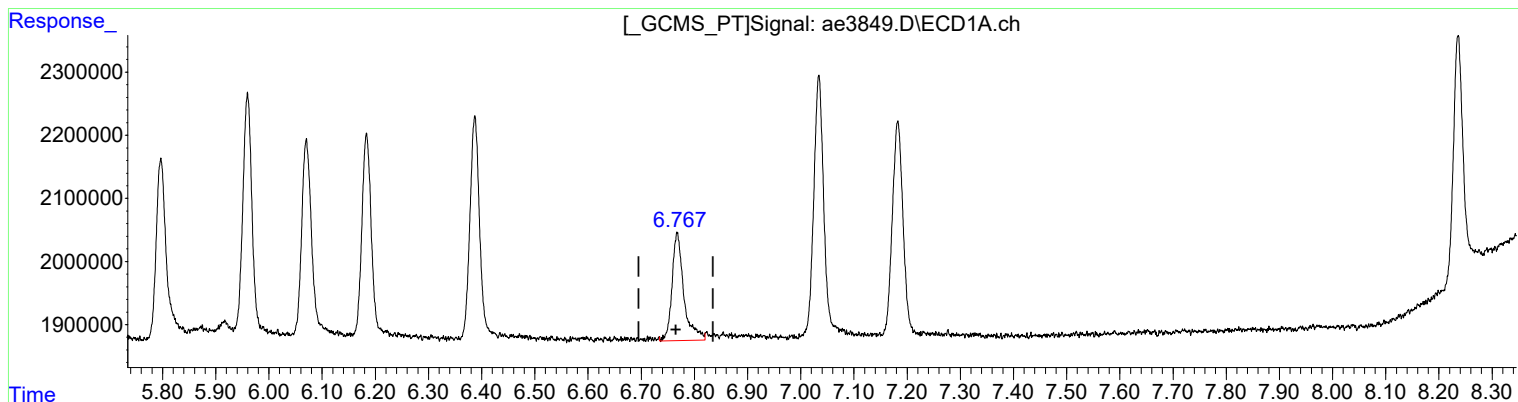
QEdit

(21) Endosulfan S (tc)	Manual Integration:
6.387min 0.880 ug/l	Before
response 4387589	04/29/19
(21) Endosulfan S #2 (tc)	
6.993min 0.904 ug/l	
response 47906279	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc)
6.767min 0.961 ug/l m
response 2642699

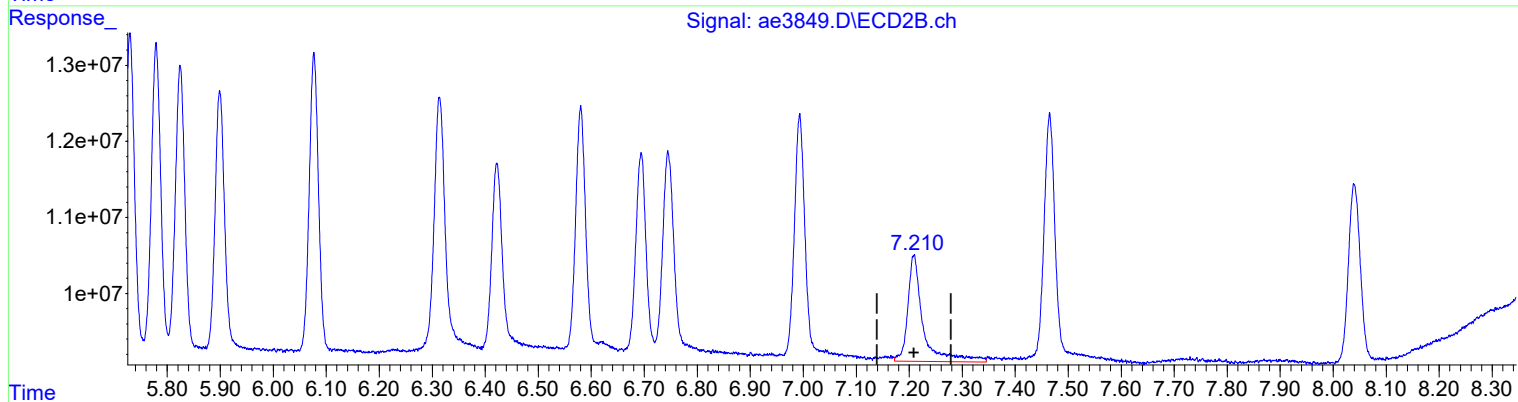
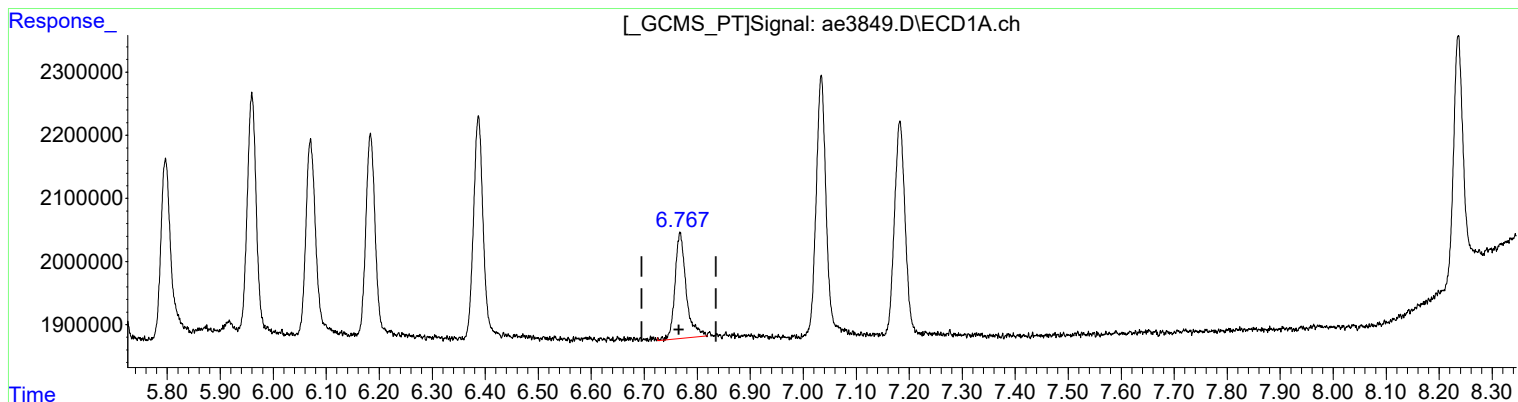
(22) Methoxychlor #2 (tc)
7.209min 1.146 ug/l
response 28235155

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.768min 0.889 ug/l
response 2444714

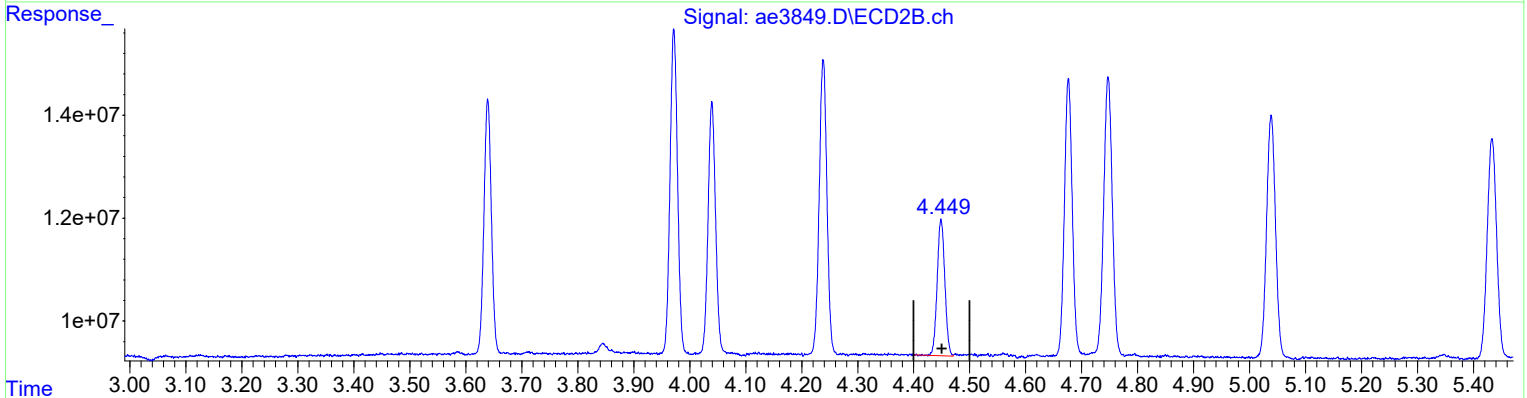
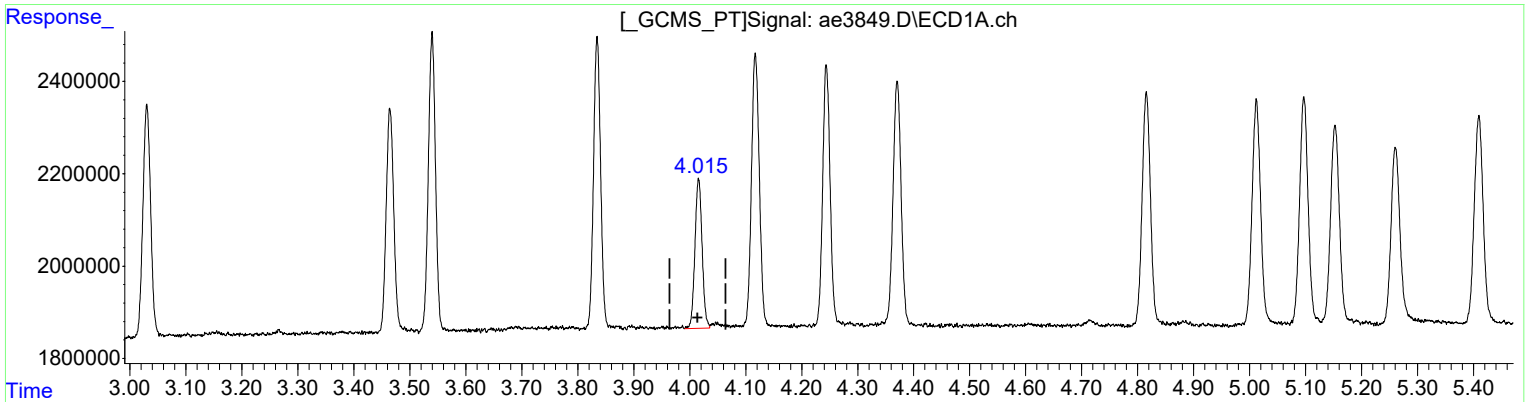
Manual Integration:
Before
04/29/19

(22) Methoxychlor #2 (tc)
7.209min 1.146 ug/l
response 28235155

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(7) beta-BHC (tc)
4.015min 1.082 ug/l m
response 2892476

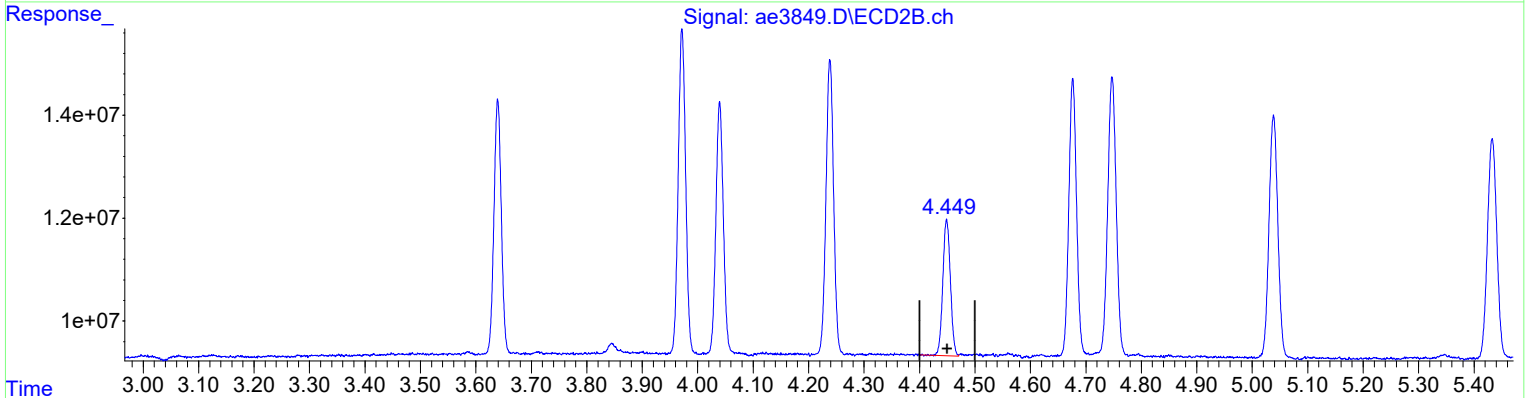
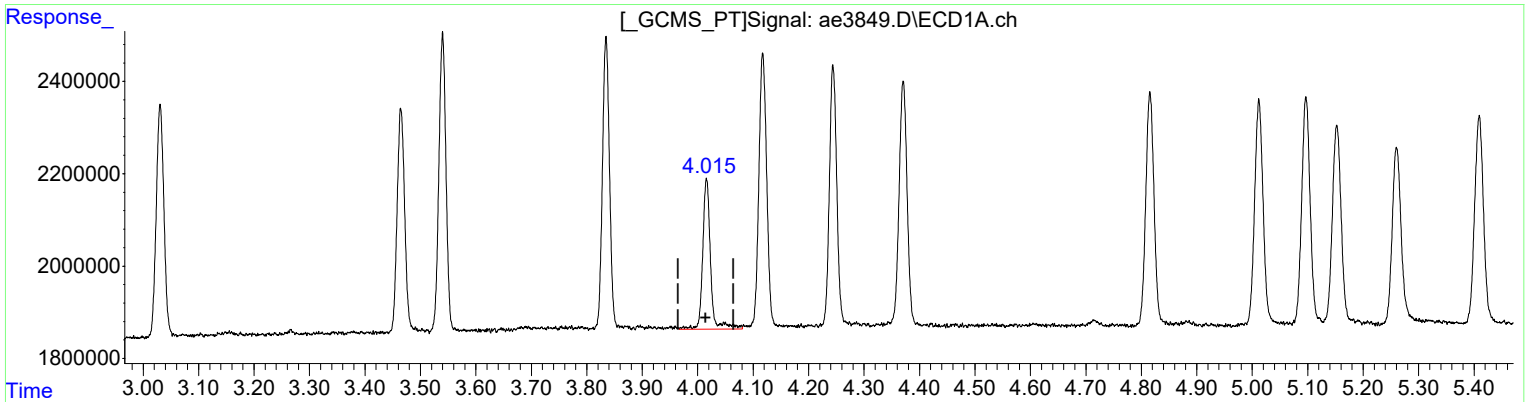
(7) beta-BHC #2 (tc)
4.449min 1.036 ug/l
response 25138337

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



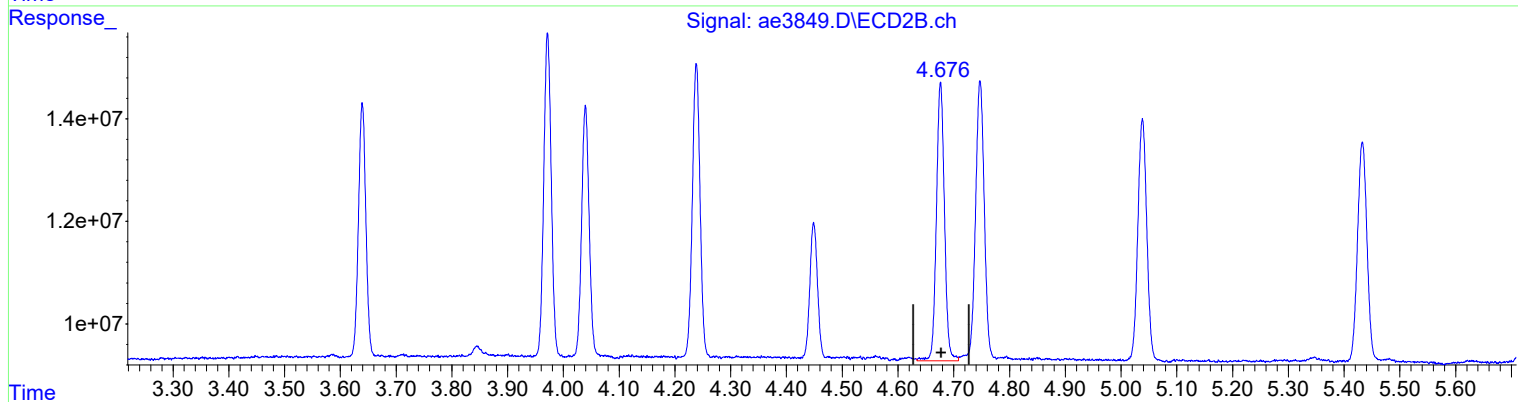
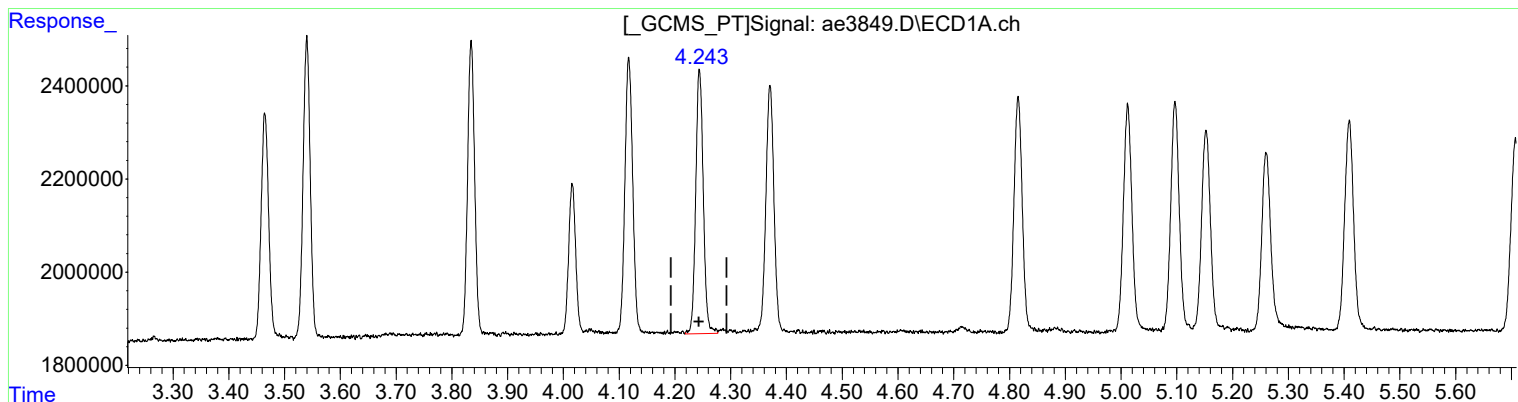
Retention Time (min)	Concentration (ug/l)	Response	Integration Status
4.016	1.207	3224361	Manual Integration: Before
4.449	1.036	25138337	Manual Integration: Before

04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) delta-BHC (tc)
4.243min 0.917 ug/l m
response 5328058

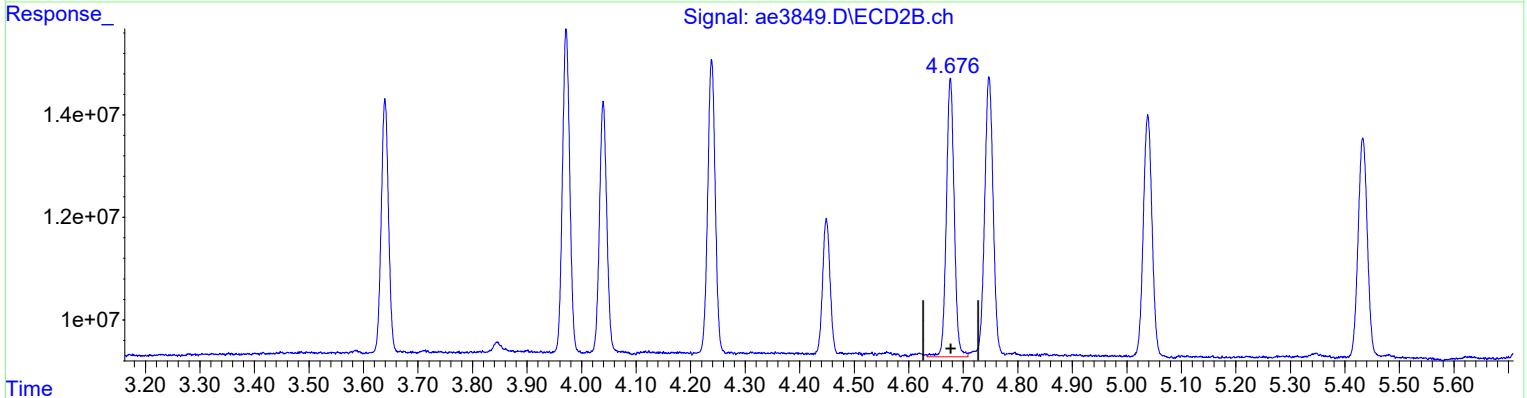
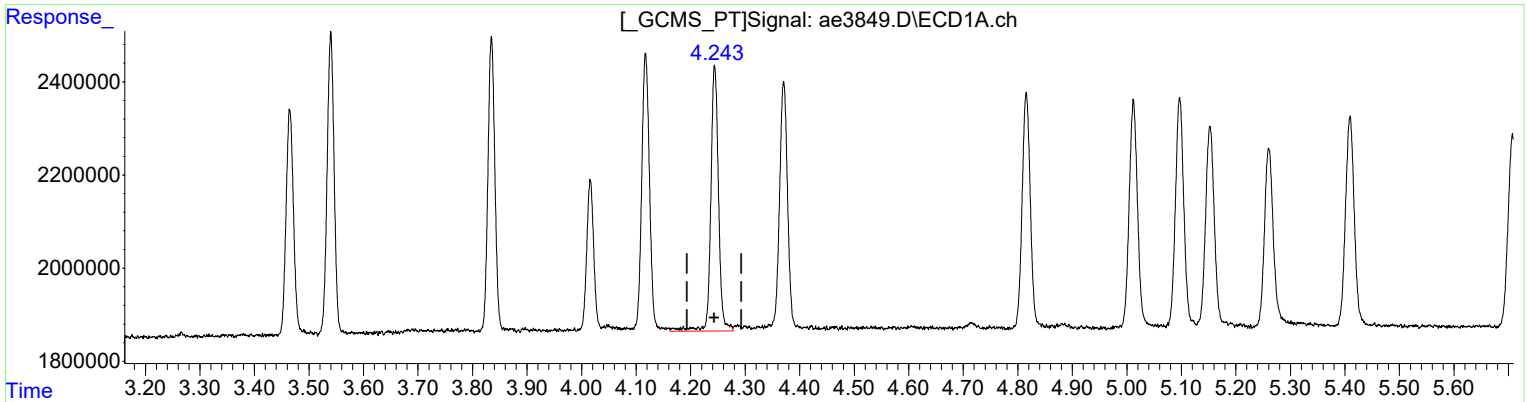
(8) delta-BHC #2 (tc)
4.676min 0.929 ug/l
response 54445324

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

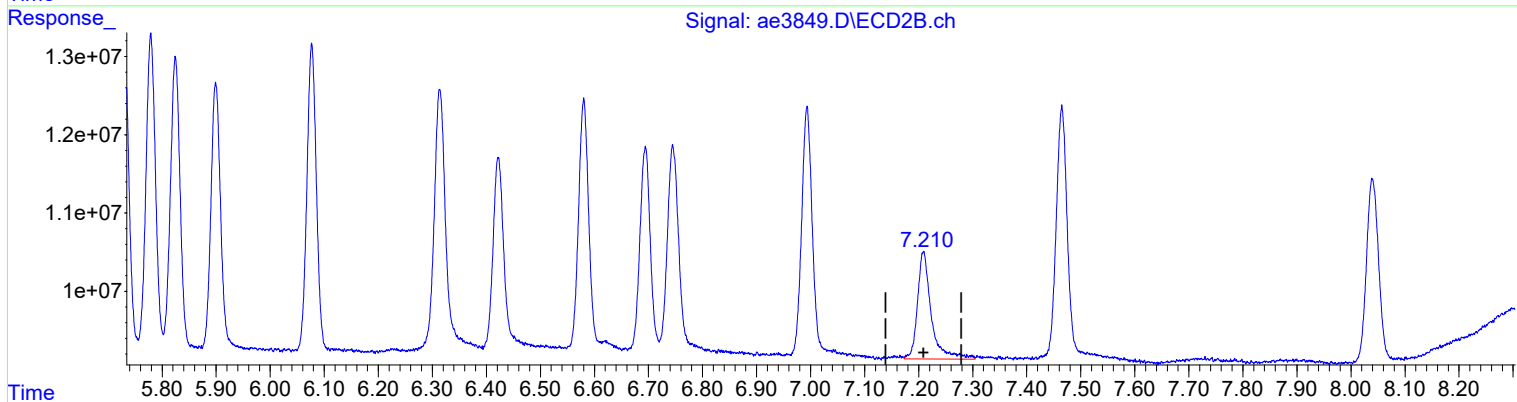
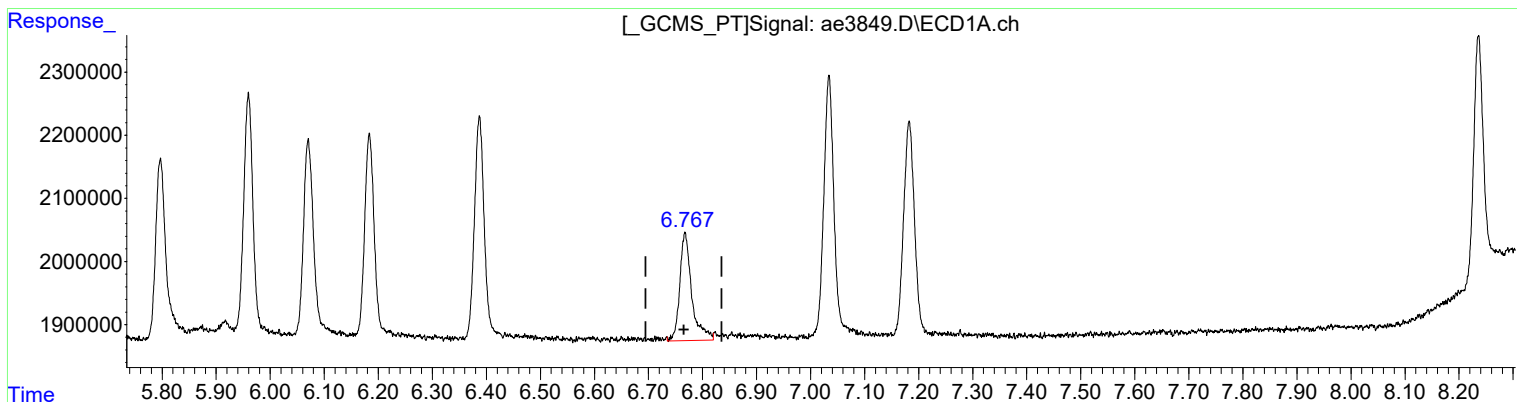


QEdit		Manual Integration:
(8) delta-BHC (tc)		Before
4.244min 0.967 ug/l		
response 5621354		04/29/19
(8) delta-BHC #2 (tc)		
4.676min 0.929 ug/l		
response 54445324		

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc) 6.767min 0.961 ug/l m response 2642699	Manual Integration: After Poor integration. 04/29/19
(22) Methoxychlor #2 (tc) 7.210min 0.988 ug/l m response 24342025	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.639	4873232	45958289	1.062	1.025m
Spiked Amount	100.000	Range	30 - 150	Recovery	=	1.06%# 1.02%#
26) S SURR2,Dec...	8.236	8.781	4710379	39501070	1.034	0.976
Spiked Amount	100.000	Range	30 - 150	Recovery	=	1.03%# 0.98%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.039	4653031	45887166	1.136	1.054m
3) tc alpha-BHC	3.540	3.972	5771033	60662185	0.910	0.920
4) tcm gamma-BHC (L	3.835	4.239	5784802	56035663	0.981	0.937
5) tcm Heptachlor	4.117	4.747	6005031	60365438	0.999	0.949
6) tcm Aldrin	4.371	5.039	5701594	53582078	0.977	0.910
7) tc beta-BHC	4.015	4.449	2892476	25138337	1.082m	1.036
8) tc delta-BHC	4.243	4.676	5328058	54445324	0.917m	0.929
9) tc Heptachlor E	4.816	5.433	5240349	52575130	0.953	0.961
10) tc alpha-Endosu	5.153	5.825	5017700	49658397	0.966	0.957
11) tc gamma-Chlord	5.012	5.730	5438744	52528704	0.961	0.941
12) tc alpha-Chlord	5.097	5.779	5383448	51012367	0.965	0.939
13) tc 4,4'-DDE	5.260	5.899	4871983	46402752	0.903m	0.878
14) tcm Dieldrin	5.409	6.076	5225834	49876870	0.899m	0.860m
15) tcm Endrin	5.707	6.314	4713522	52641528	0.905	1.007m
17) tc beta-Endosul	5.960	6.580	4803893	46157700	0.925	0.905
18) tc 4,4'-DDD	5.797	6.422	3993572	44896374	0.875	0.977
19) tcm 4,4'-DDT	6.070	6.745	4523932	45459331	0.895m	0.898
20) tc Endrin Aldeh	6.183	6.694	4342790	38284627	0.960m	0.934
21) tc Endosulfan S	6.387	6.993	5065008	47906279	1.016m	0.904
22) tc Methoxychlor	6.767	7.210	2642699	24342025	0.961m	0.988m
24) tc Endrin Keton	7.034	7.465	5610995	52229945	0.947	0.978
25) tc Mirex	7.182	8.040	4854003	36316165	1.057	1.001
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

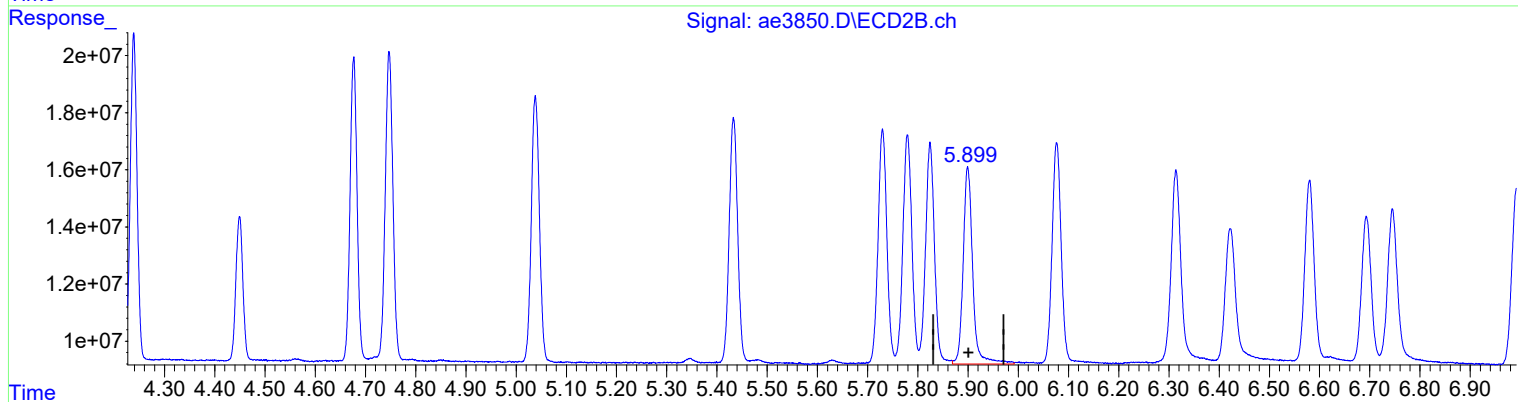
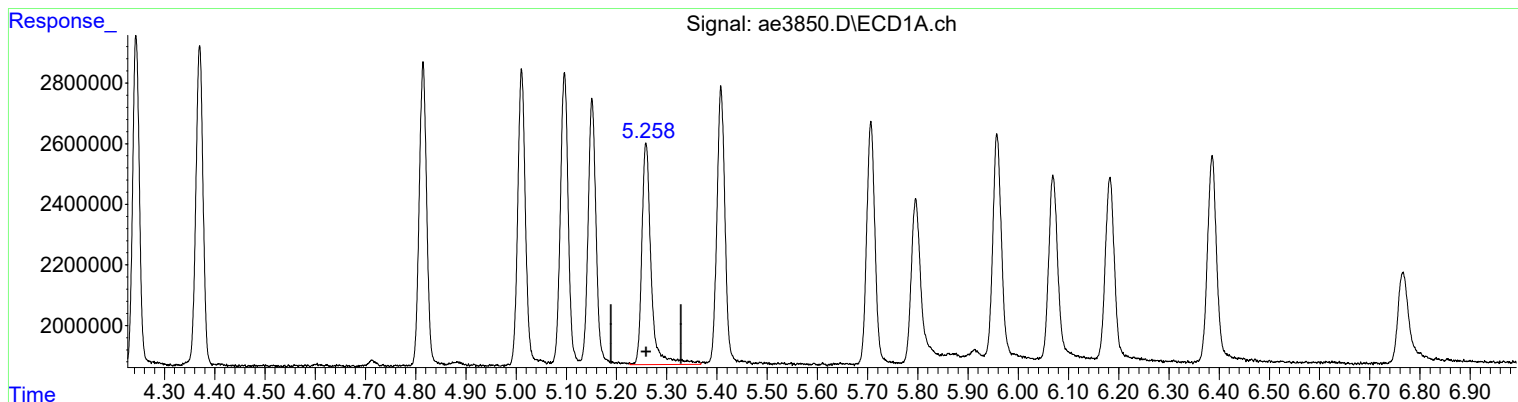
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) 4,4'-DDE (tc)
5.258min 1.699 ug/l m
response 9399528

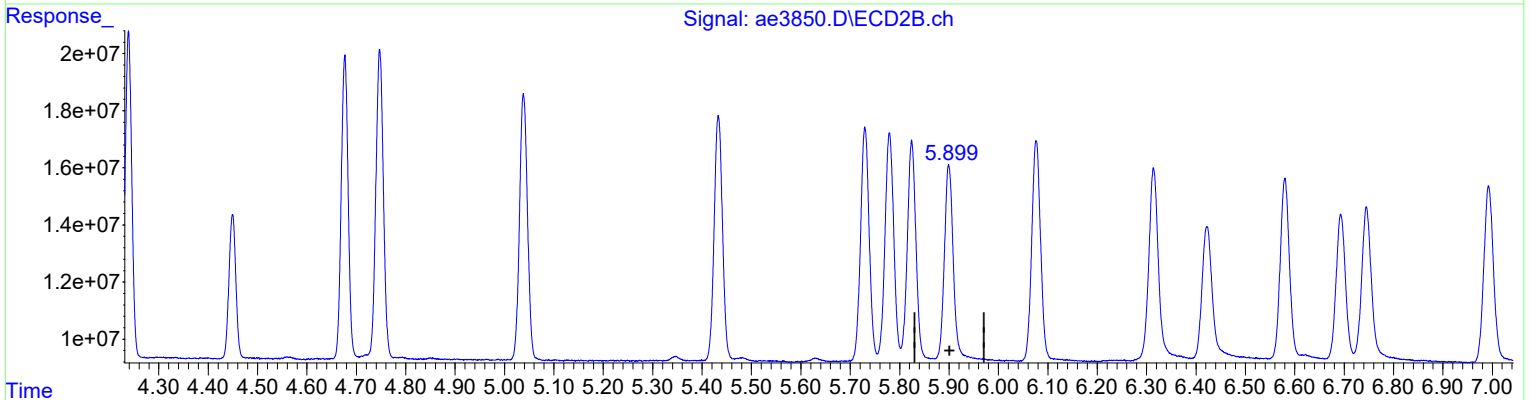
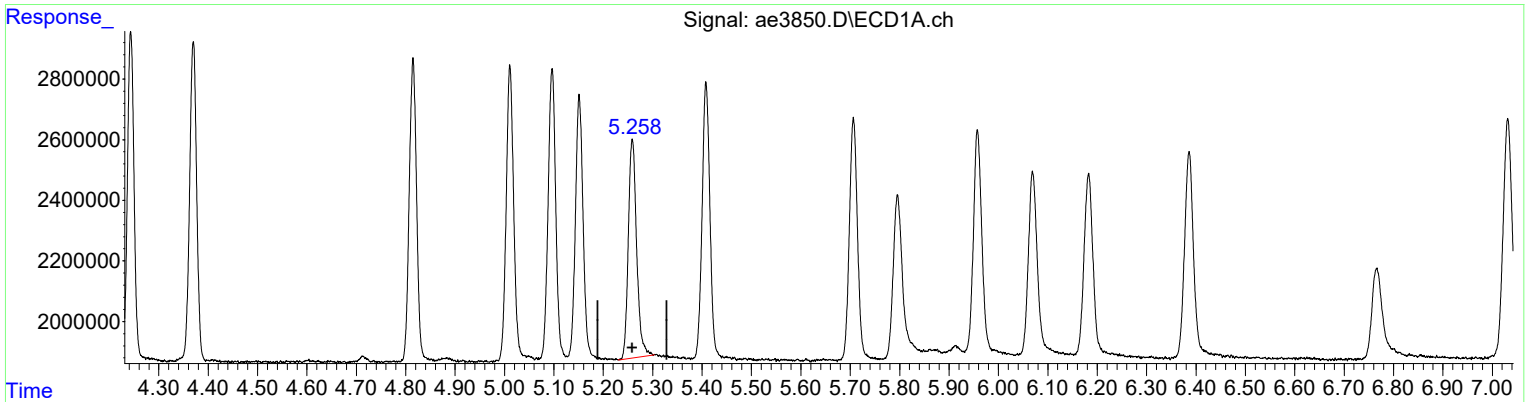
(13) 4,4'-DDE #2 (tc)
5.899min 1.690 ug/l m
response 91693080

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:08 pm
 Operator : a.moses
 Sample : 8081 std 2
 Misc : initial cal.
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:14:28 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(13) 4,4'-DDE (tc)
 5.259min 1.525 ug/l
 response 8433964

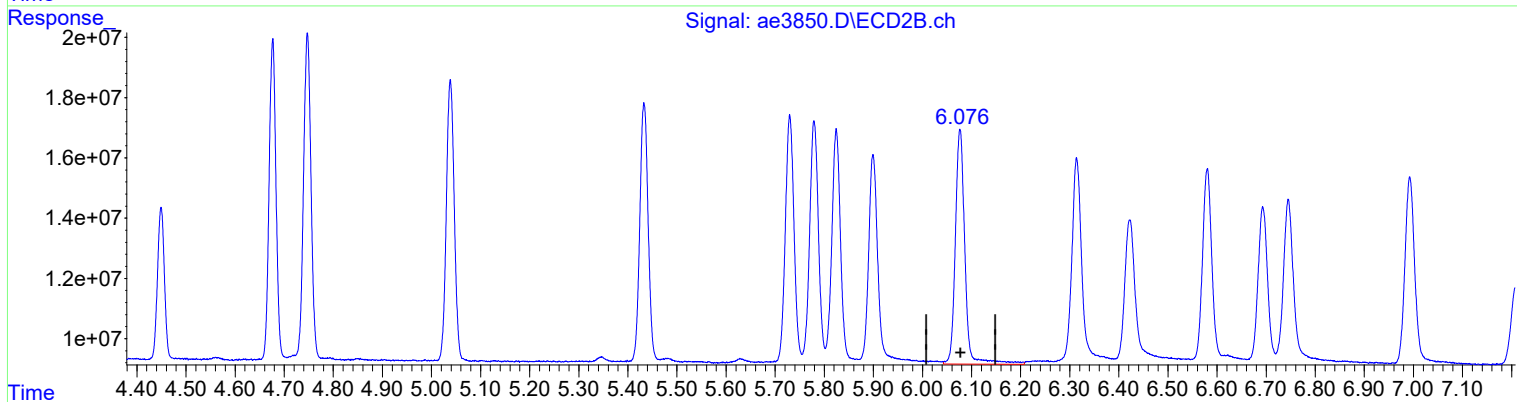
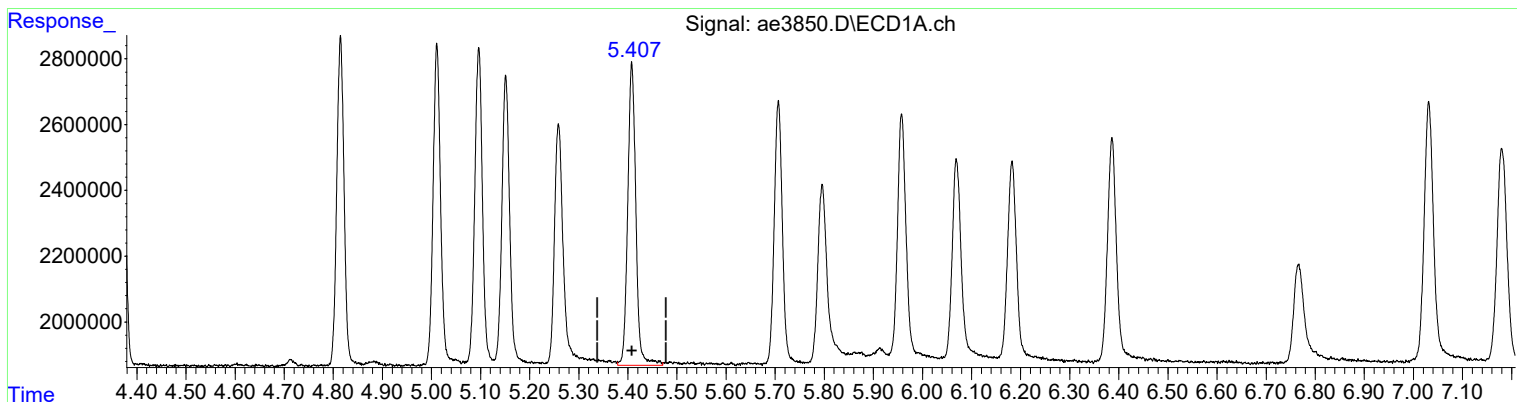
(13) 4,4'-DDE #2 (tc)
 5.900min 1.771 ug/l
 response 96086569

Manual Integration:
 Before
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(14) Dieldrin (tcm)
5.407min 1.785 ug/l m
response 10560486

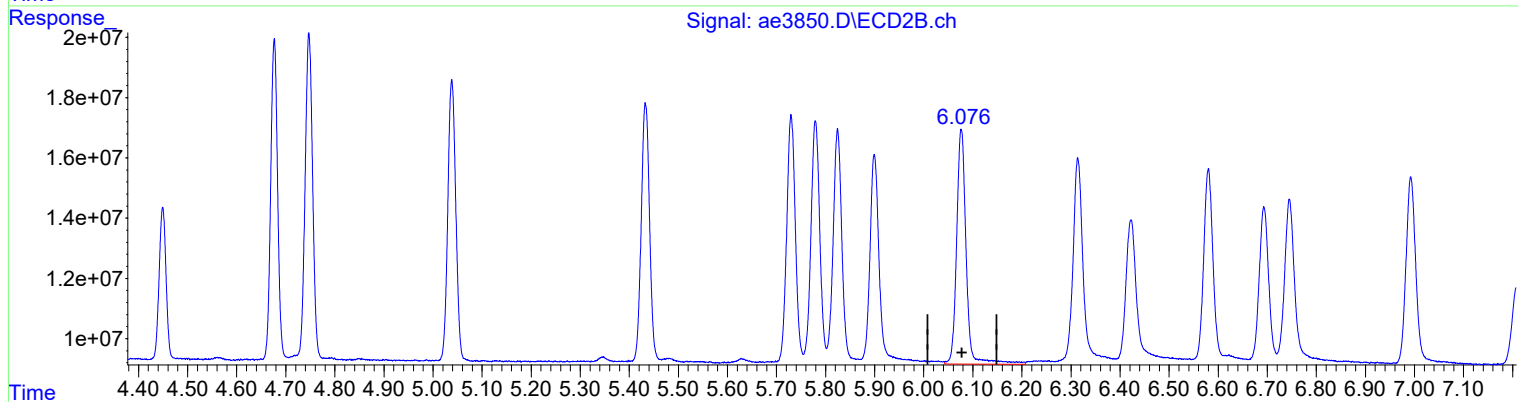
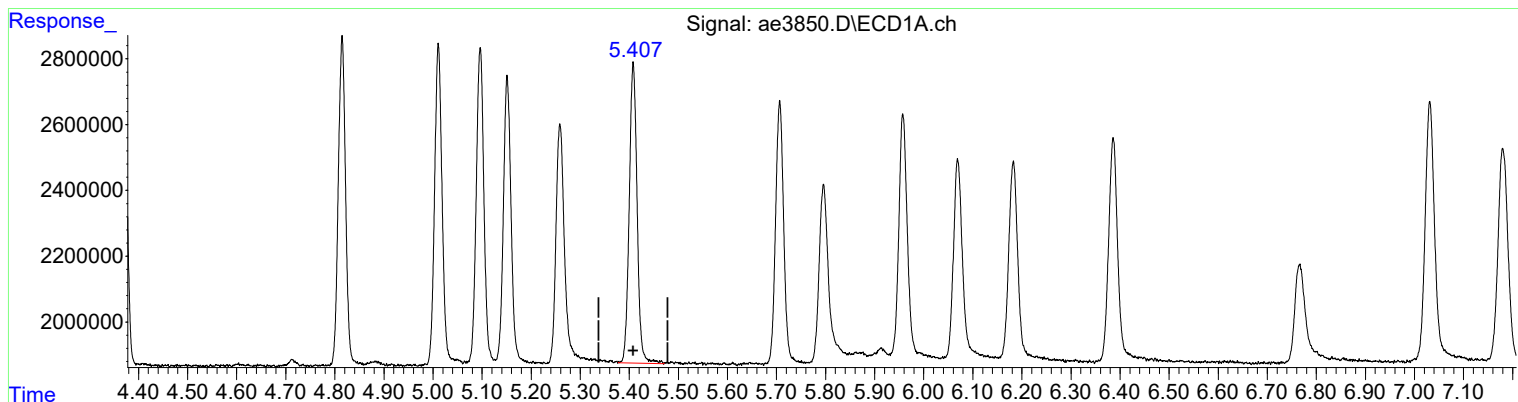
(14) Dieldrin #2 (tcm)
6.077min 1.776 ug/l
response 105004449

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(14) Dieldrin (tcm)
5.408min 1.722 ug/l
response 10188569

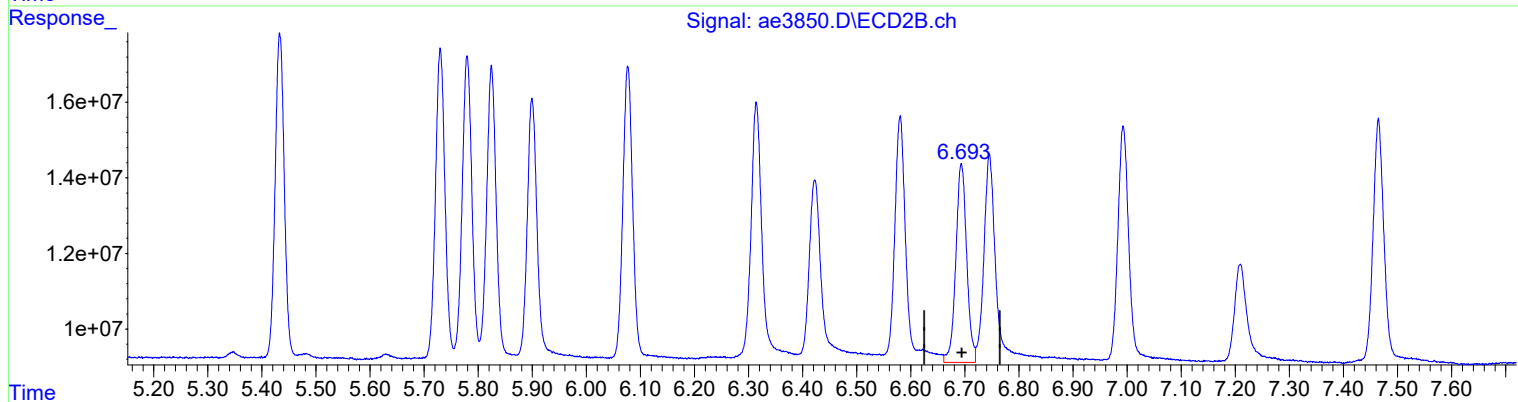
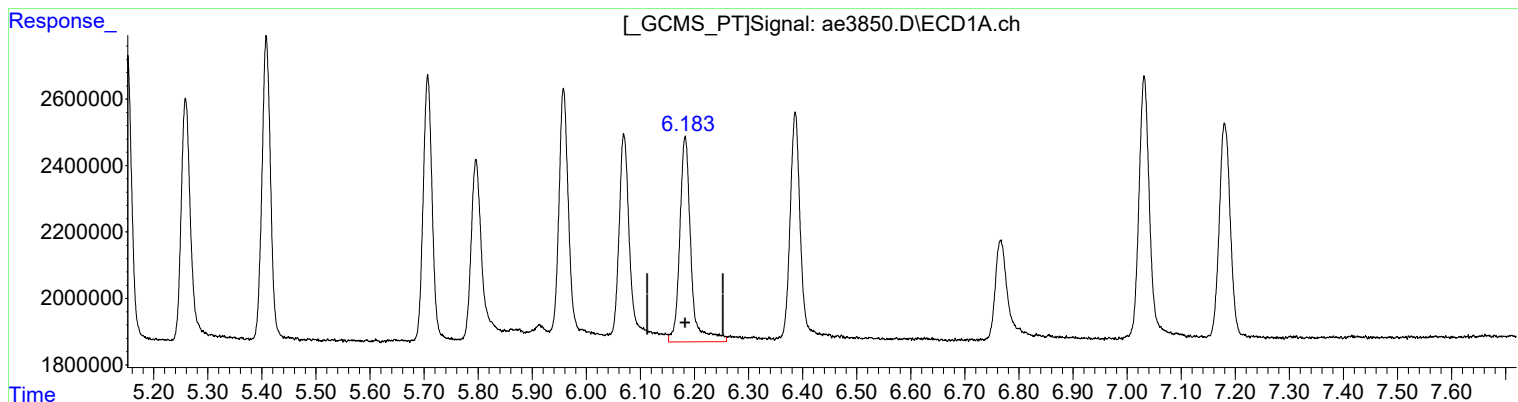
Manual Integration:
Before
04/29/19

(14) Dieldrin #2 (tcm)
6.077min 1.776 ug/l
response 105004449

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



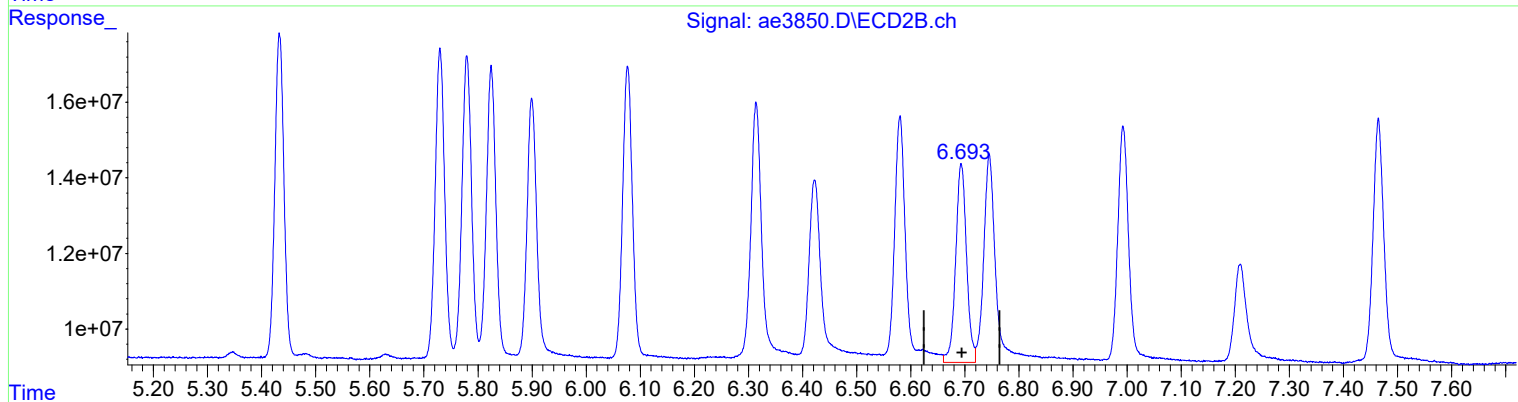
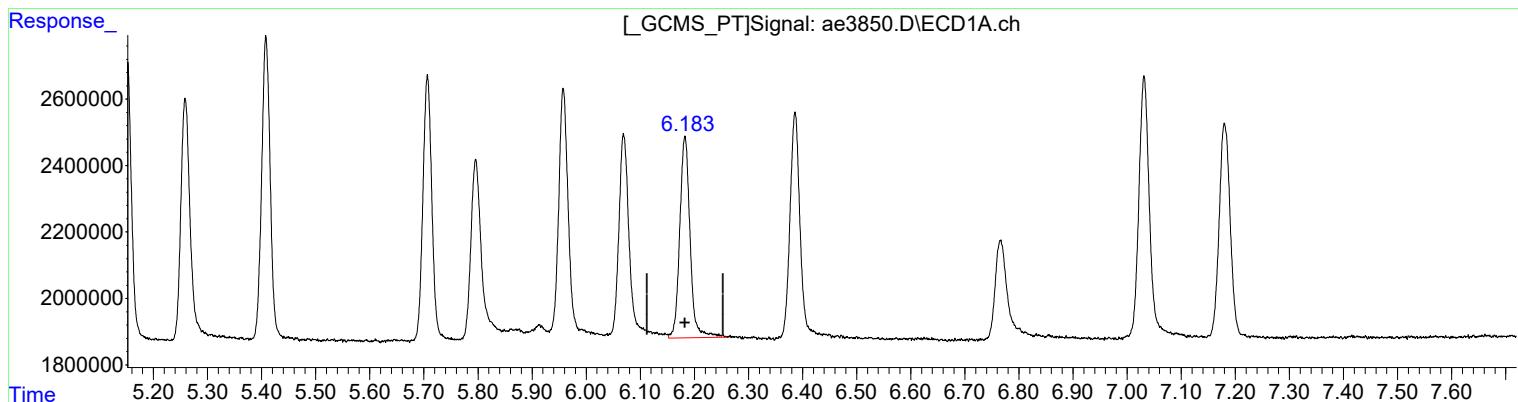
QEdit

(20) Endrin Aldeh (tc)	Manual Integration:
6.183min 1.949 ug/l m	After
response 8852299	Poor integration.
	04/29/19
(20) Endrin Aldeh #2 (tc)	
6.693min 1.754 ug/l	
response 73378985	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(20) Endrin Aldeh (tc)
6.183min 1.771 ug/l
response 8043510

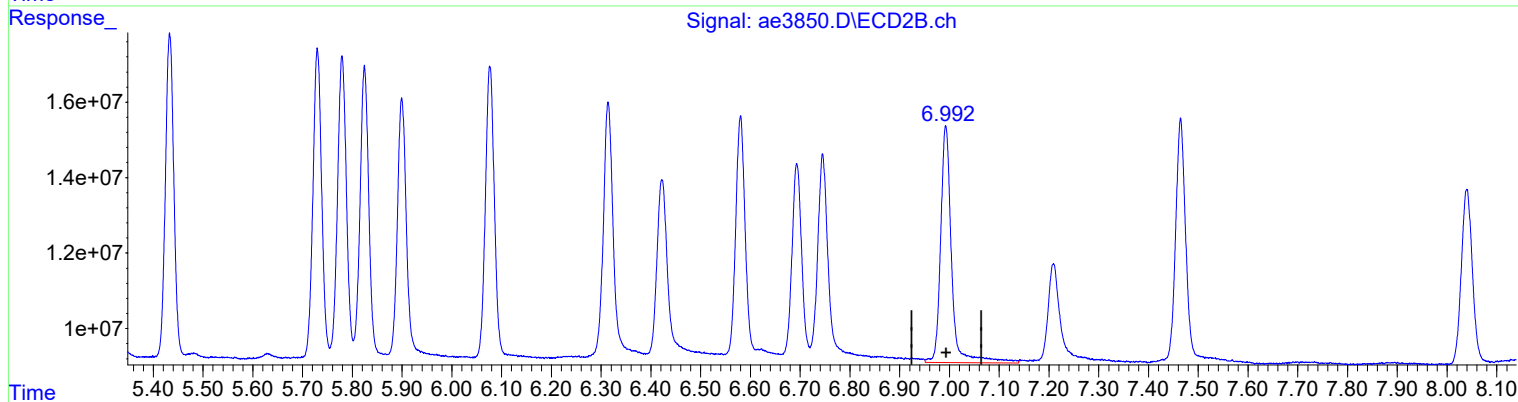
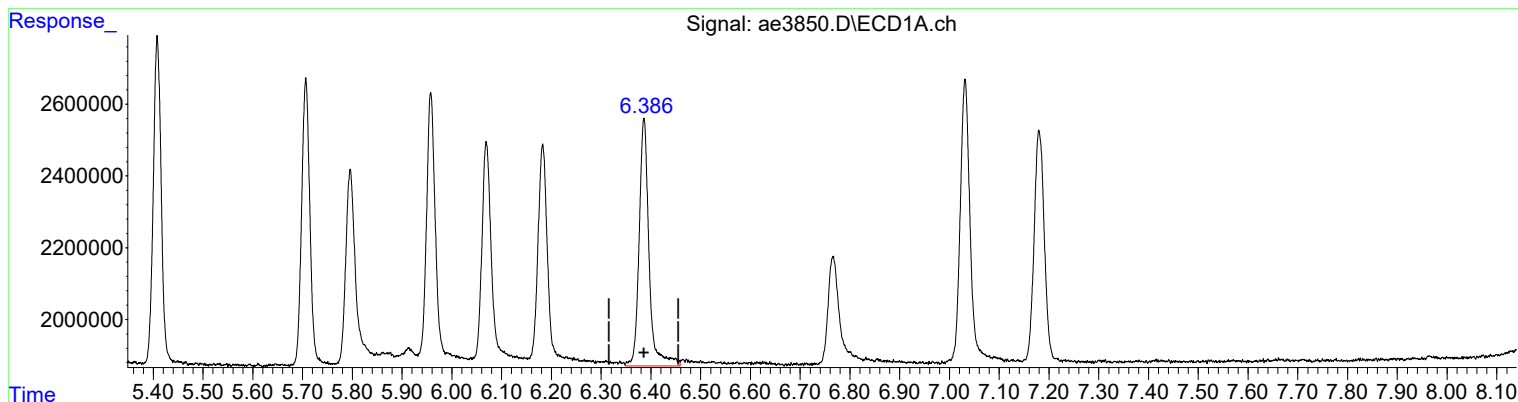
Manual Integration:
Before
04/29/19

(20) Endrin Aldeh #2 (tc)
6.693min 1.754 ug/l
response 73378985

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(21) Endosulfan S (tc)
6.386min 1.898 ug/l m
response 9540496

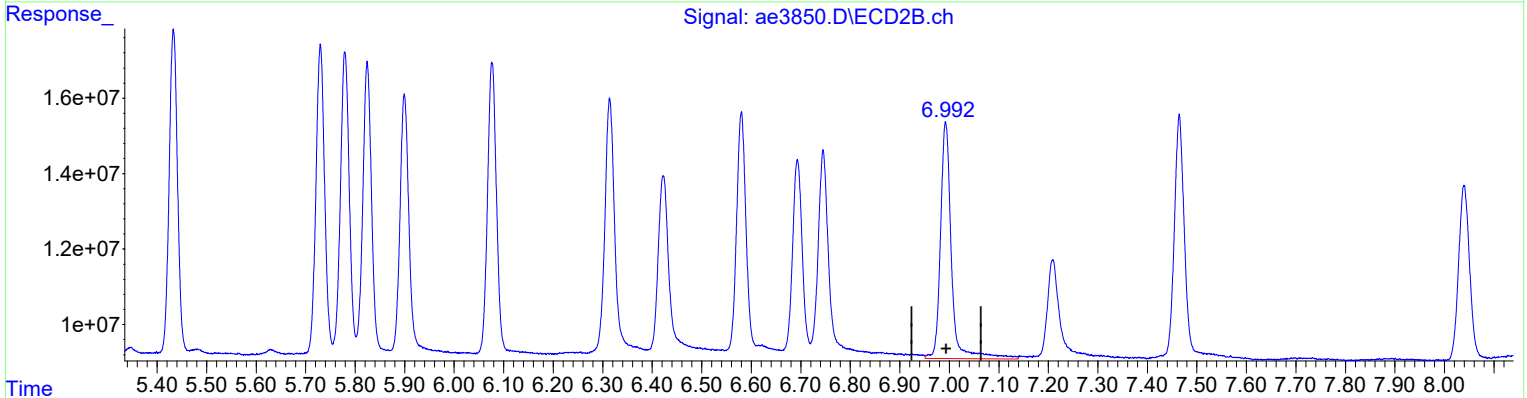
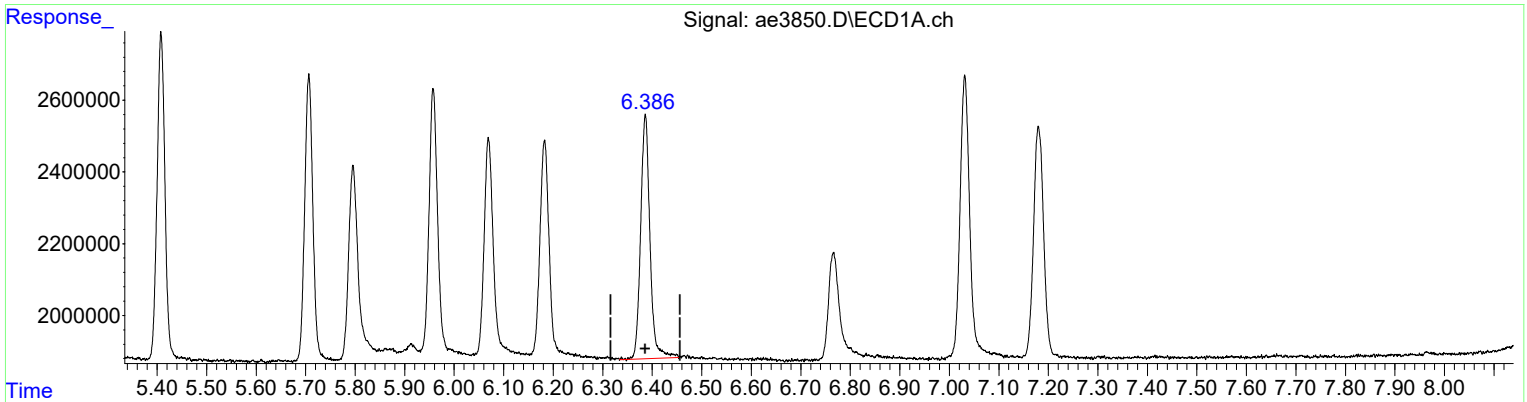
(21) Endosulfan S #2 (tc)
6.993min 1.775 ug/l
response 95839134

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



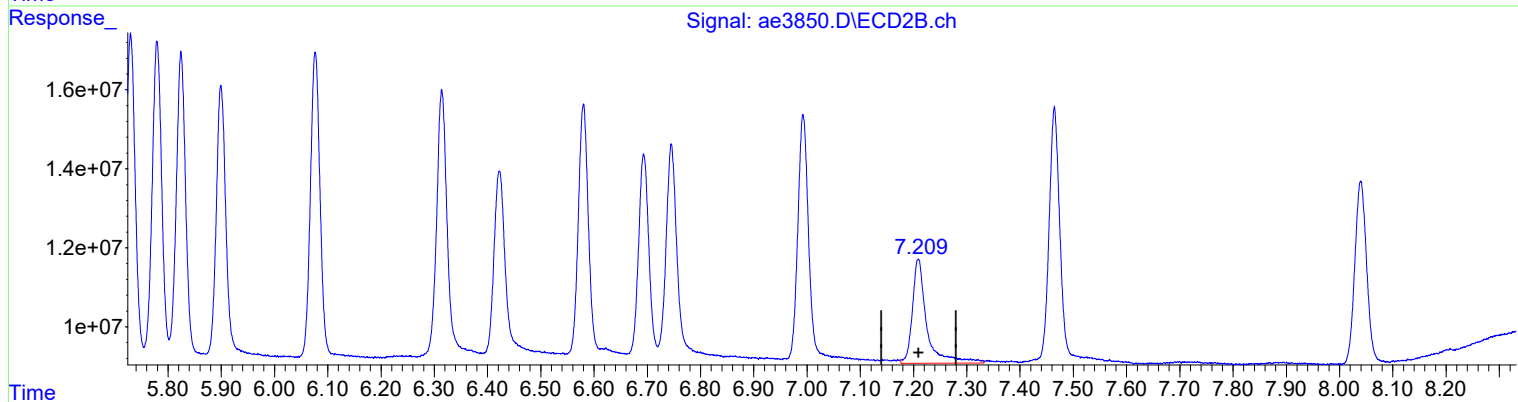
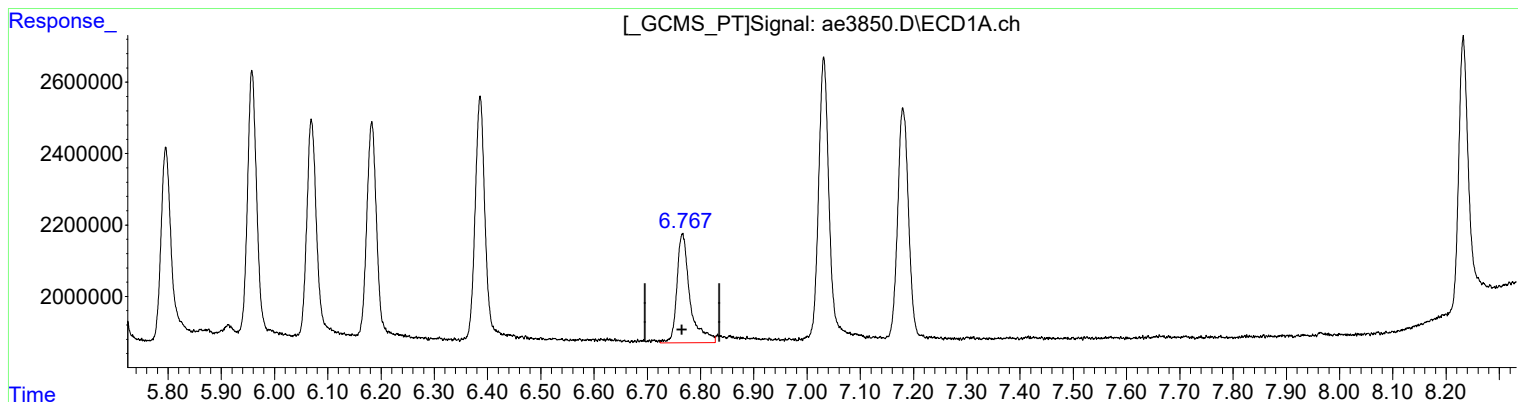
QEdit

(21) Endosulfan S (tc)	Manual Integration:
6.386min 1.769 ug/l	Before
response 8893662	04/29/19
(21) Endosulfan S #2 (tc)	
6.993min 1.775 ug/l	
response 95839134	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



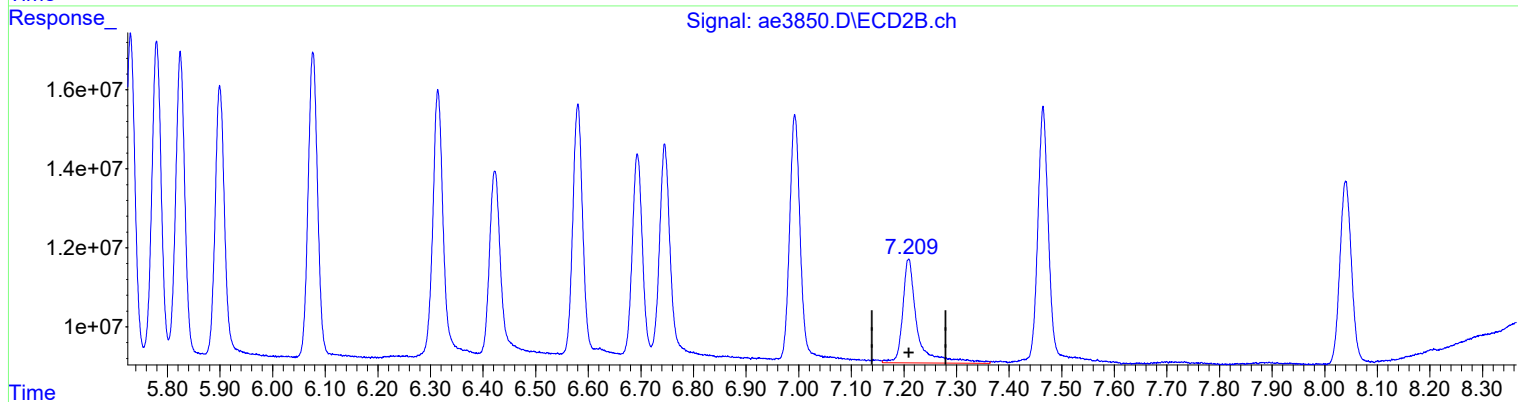
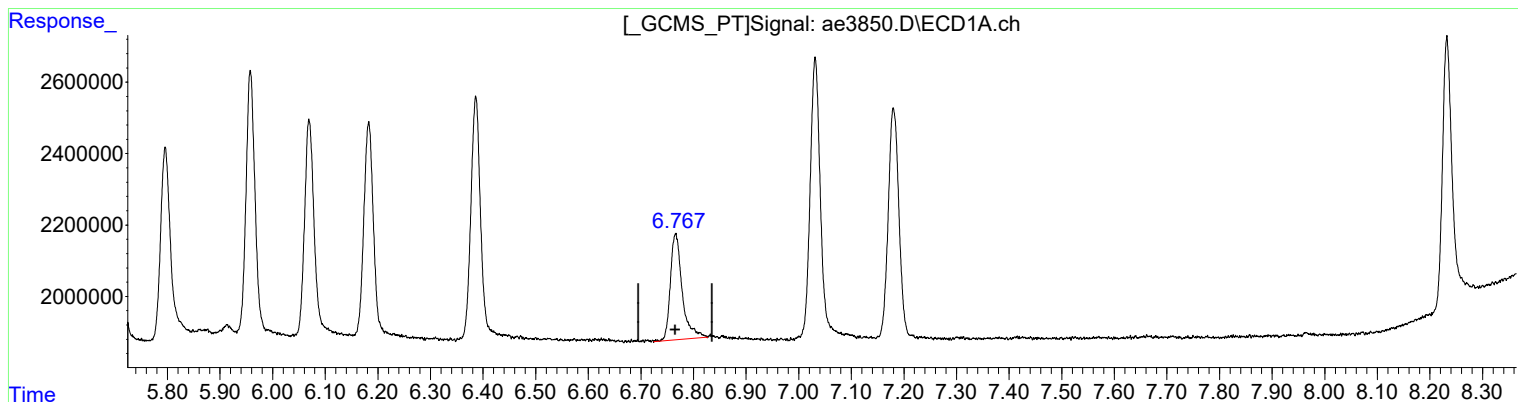
QEdit

(22) Methoxychlor (tc) 6.767min 1.887 ug/l m response 5237977	Manual Integration: After Poor integration. 04/29/19
(22) Methoxychlor #2 (tc) 7.209min 1.996 ug/l m response 49201427	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.766min 1.677 ug/l
response 4654937

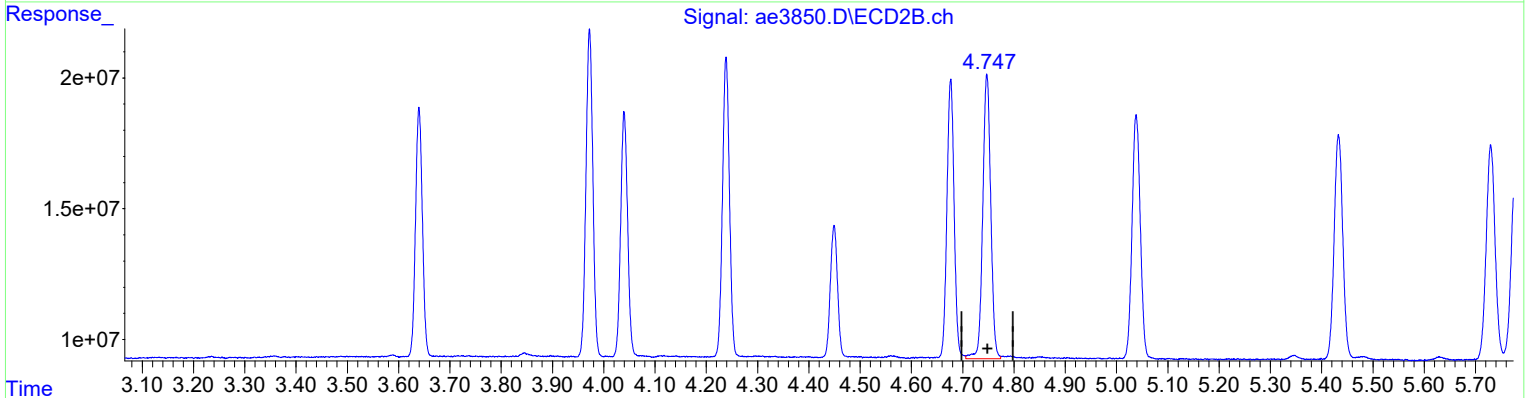
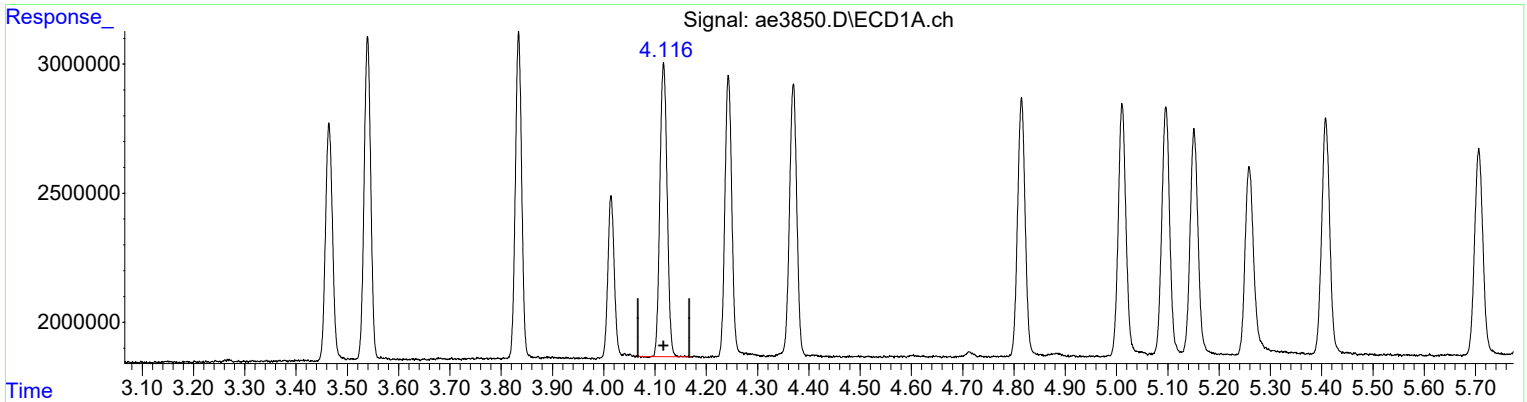
(22) Methoxychlor #2 (tc)
7.209min 2.067 ug/l
response 50966806

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(5) Heptachlor (tcm)
4.117min 1.827 ug/l
response 11141986

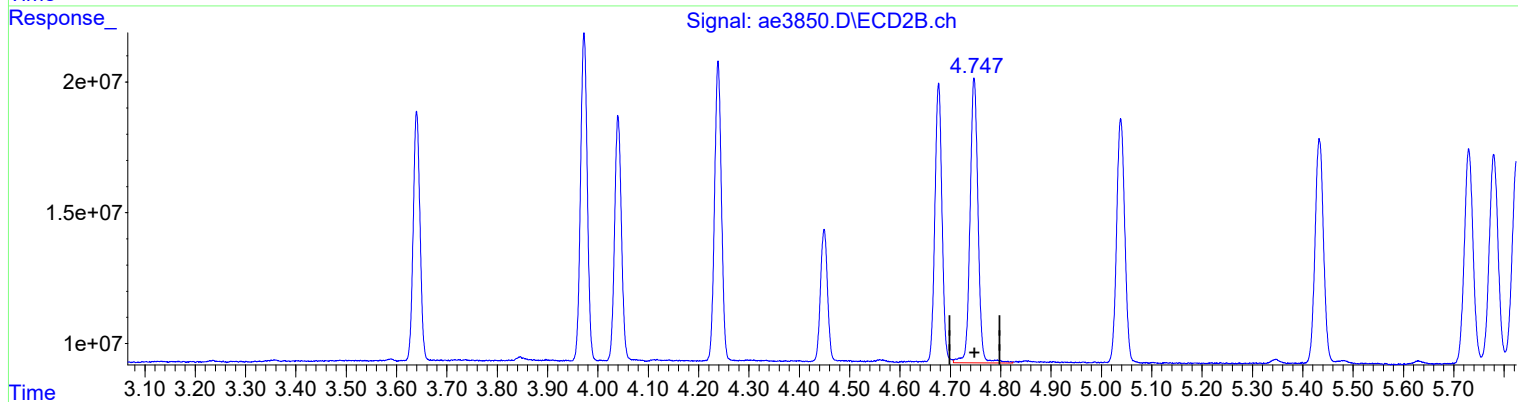
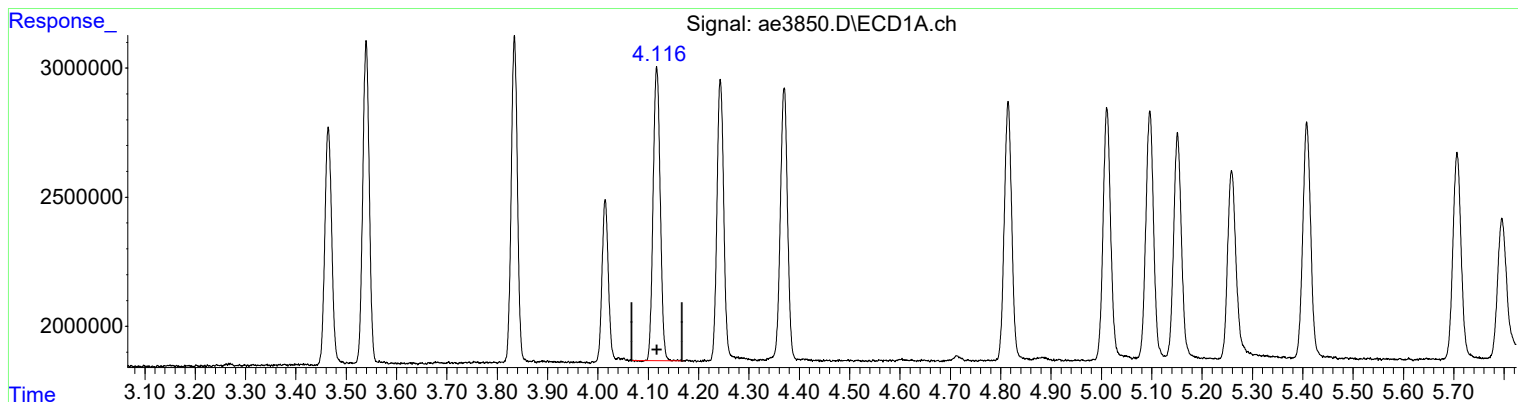
(5) Heptachlor #2 (tcm)
4.747min 1.816 ug/l m
response 117304647

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(5) Heptachlor (tcm)
4.117min 1.827 ug/l
response 11141986

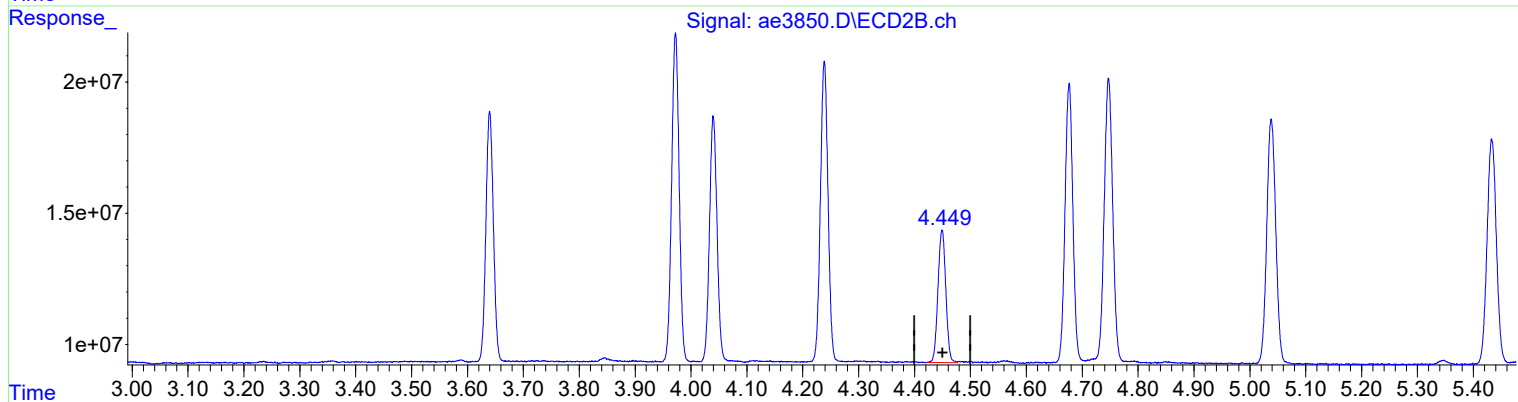
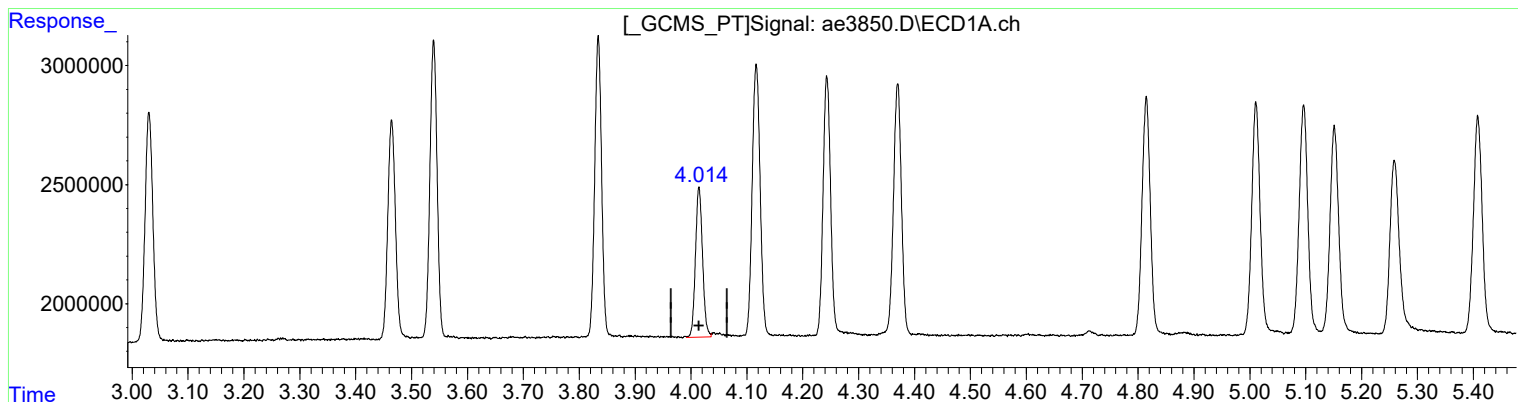
(5) Heptachlor #2 (tcm)
4.747min 1.851 ug/l
response 119585847

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(7) beta-BHC (tc)
4.014min 2.080 ug/l m
response 5520376

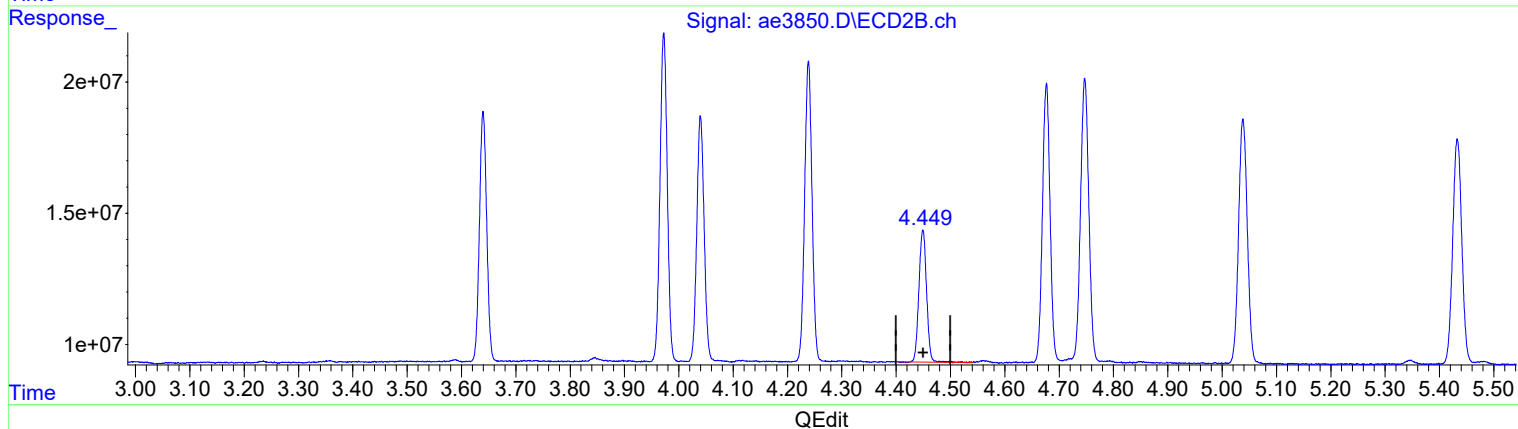
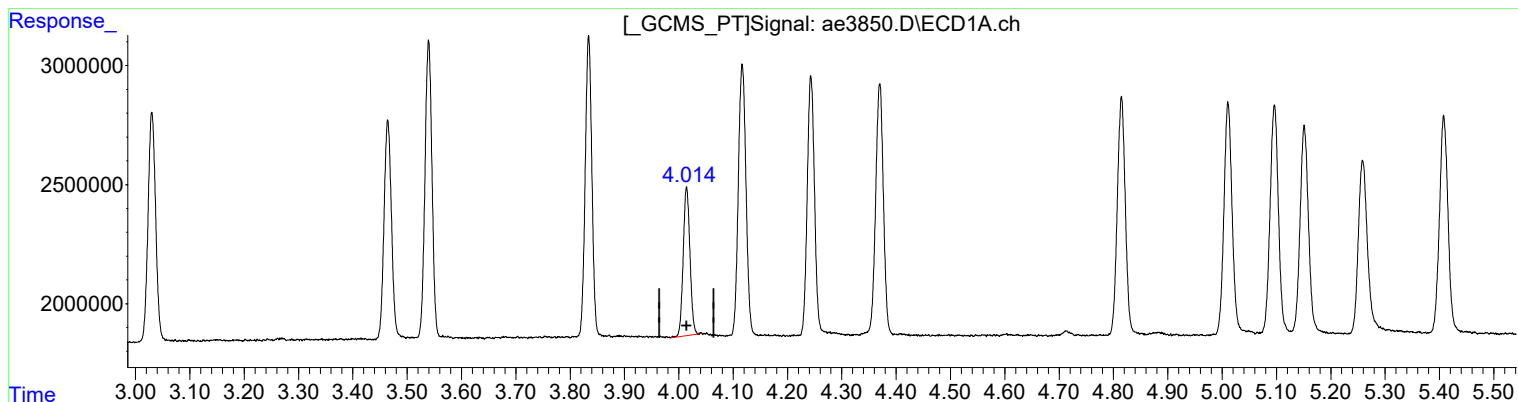
(7) beta-BHC #2 (tc)
4.449min 2.029 ug/l m
response 49131919

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(7) beta-BHC (tc)
4.014min 2.022 ug/l
response 5368544

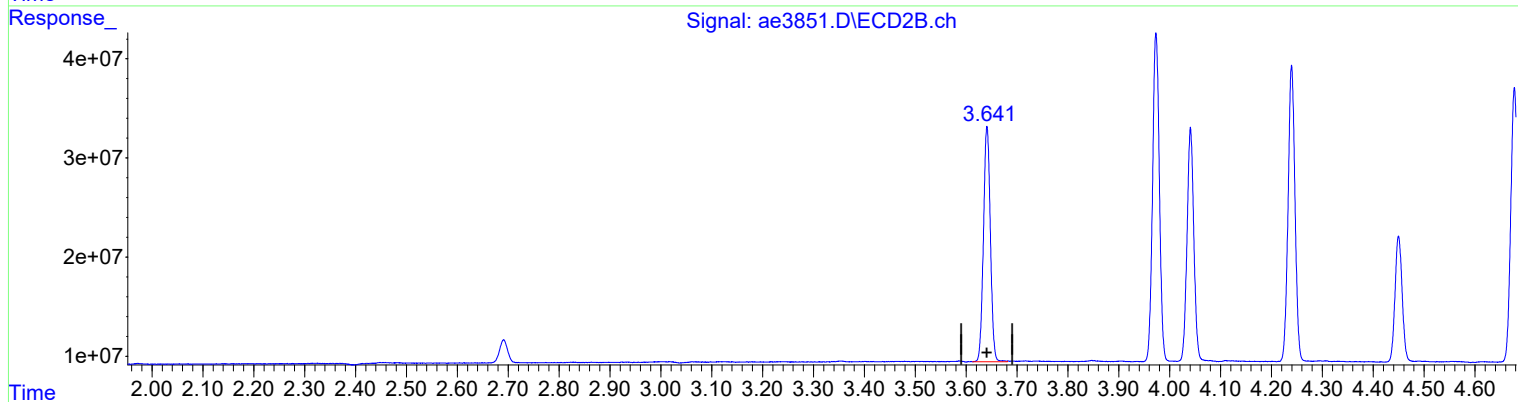
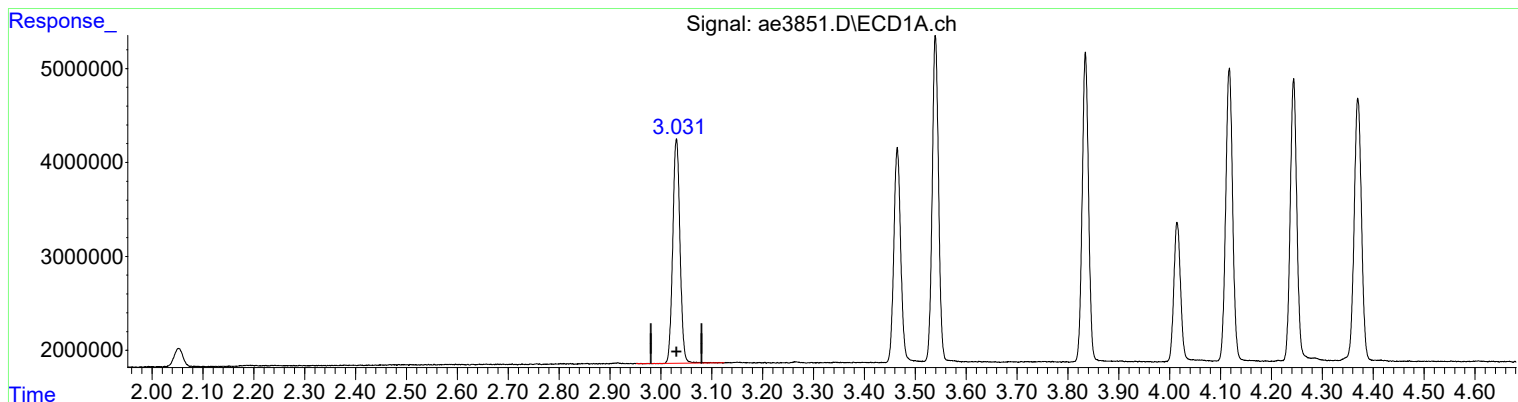
(7) beta-BHC #2 (tc)
4.449min 2.038 ug/l
response 49343033

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(1) SURR1,Tetrac (S)
3.031min 4.755 ug/l
response 23617840

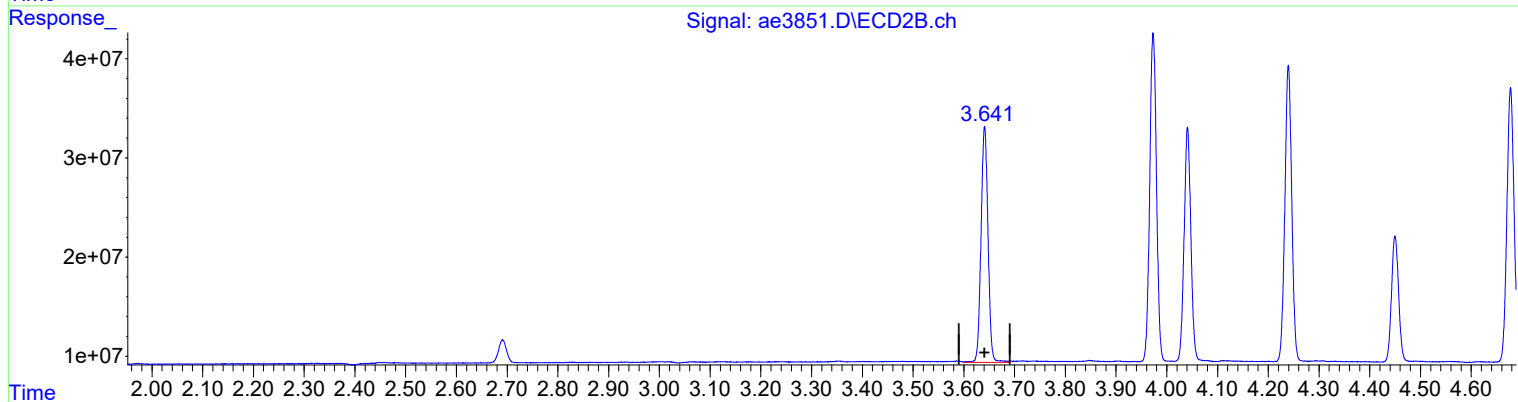
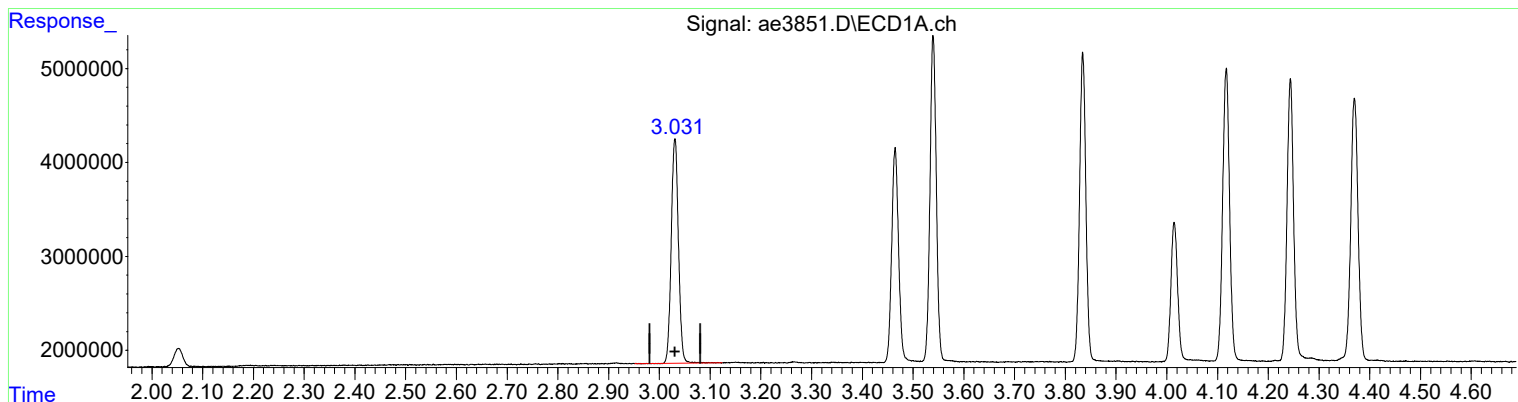
(1) SURR1,Tetrac #2 (S)
3.641min 4.707 ug/l m
response 223596474

Manual Integration:
After
Wrong peak selected.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(1) SURR1,Tetrac (S)
3.031min 4.755 ug/l
response 23617840

Manual Integration:
Before
04/29/19

(1) SURR1,Tetrac #2 (S)
3.641min 4.792 ug/l
response 227648473

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3851.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:25 pm
 Operator : a.moses
 Sample : 8081 std 3
 Misc : initial cal.
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:07:53 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	23617840	223.6E6	4.755	4.707m
Spiked Amount	100.000	Range	30 - 150	Recovery =	4.75%#	4.71%#
26) S SURR2,Dec...	8.232	8.770	26445773	218.8E6	4.643	4.776
Spiked Amount	100.000	Range	30 - 150	Recovery =	4.64%#	4.78%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	21741393	221.5E6	4.815	4.791
3) tc alpha-BHC	3.540	3.973	30333625	309.6E6	4.625	4.666
4) tcm gamma-BHC (L	3.835	4.240	29150361	283.3E6	4.691	4.661
5) tcm Heptachlor	4.117	4.748	29834988	311.2E6	4.632	4.664
6) tcm Aldrin	4.370	5.039	28049027	278.5E6	4.579	4.607
7) tc beta-BHC	4.015	4.450	14176177	124.9E6	4.805	4.795
8) tc delta-BHC	4.244	4.678	27287341	275.0E6	4.581	4.661
9) tc Heptachlor E	4.815	5.434	27425240	264.5E6	4.641	4.638
10) tc alpha-Endosu	5.152	5.826	25782321	253.5E6	4.650	4.678
11) tc gamma-Chlord	5.011	5.731	27581122	265.5E6	4.612	4.640
12) tc alpha-Chlord	5.096	5.780	27541598	262.0E6	4.631	4.647
13) tc 4,4'-DDE	5.259	5.901	25313274	247.8E6	4.555	4.616
14) tcm Dieldrin	5.408	6.078	27880234	277.3E6	4.623	4.752
15) tcm Endrin	5.707	6.315	24637628	254.6E6	4.548	4.857
17) tc beta-Endosul	5.958	6.582	25351921	250.0E6	4.626	4.926
18) tc 4,4'-DDD	5.796	6.423	22138399	222.7E6	4.536	4.945
19) tcm 4,4'-DDT	6.070	6.746	23966336	241.4E6	4.572	4.947
20) tc Endrin Aldeh	6.183	6.694	22338180	196.7E6	4.737	4.833
21) tc Endosulfan S	6.386	6.993	24541811	256.2E6	4.648	4.961
22) tc Methoxychlor	6.766	7.210	14604761	136.4E6	4.691	5.201
24) tc Endrin Keton	7.032	7.465	29733312	263.8E6	4.641	4.793
25) tc Mixex	7.181	8.042	24221816	190.1E6	4.743	4.780
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

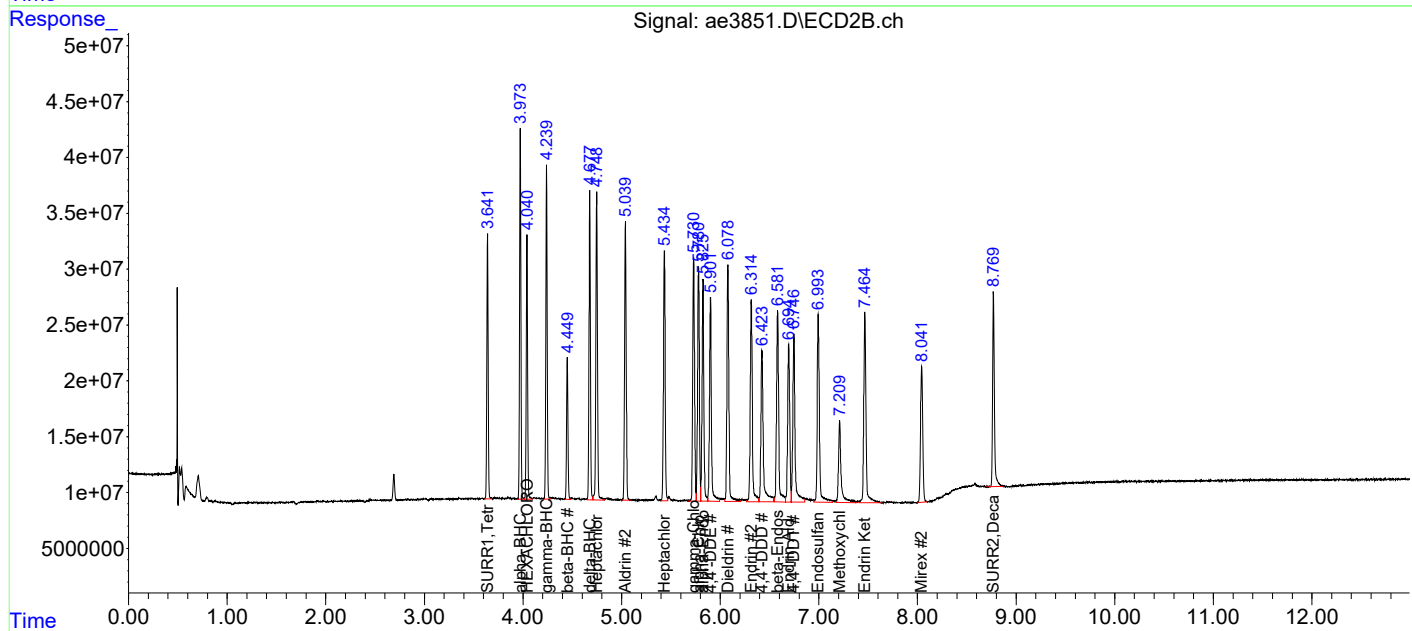
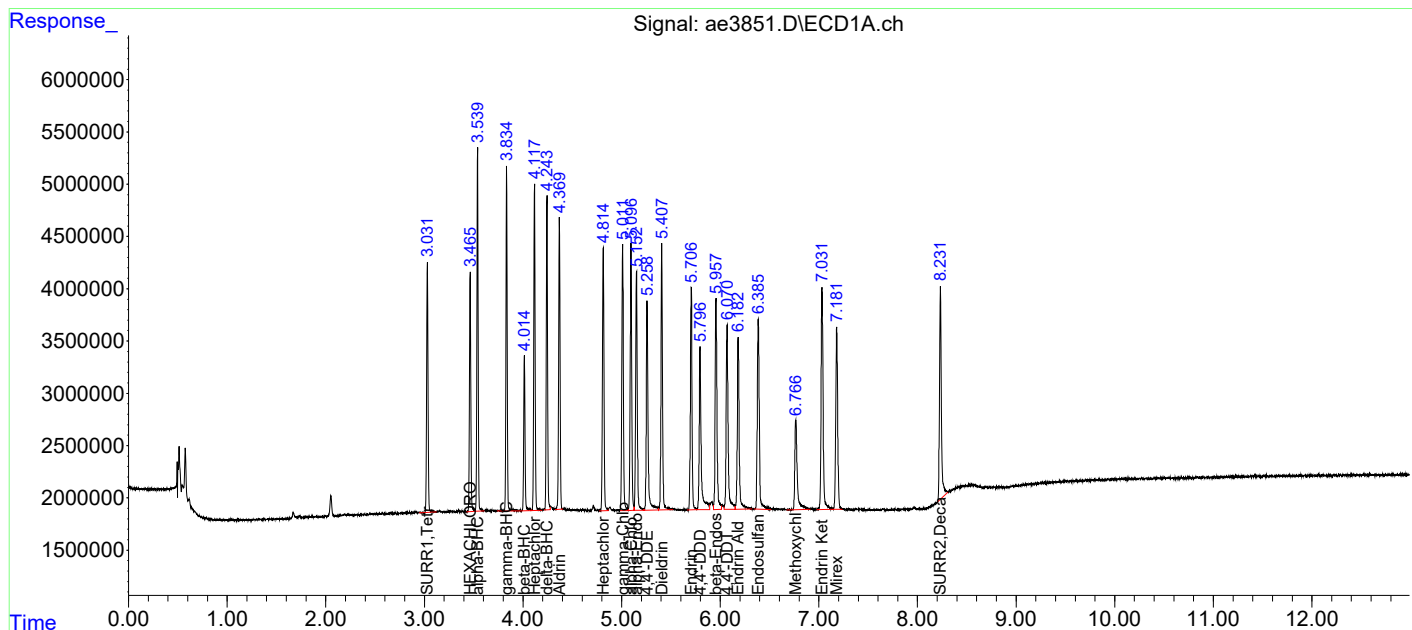
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

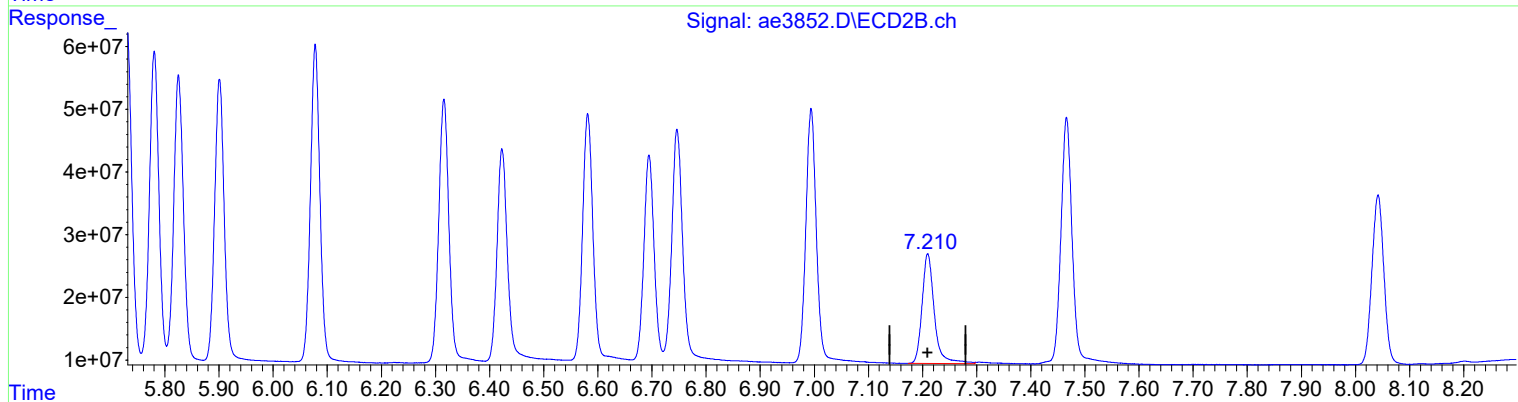
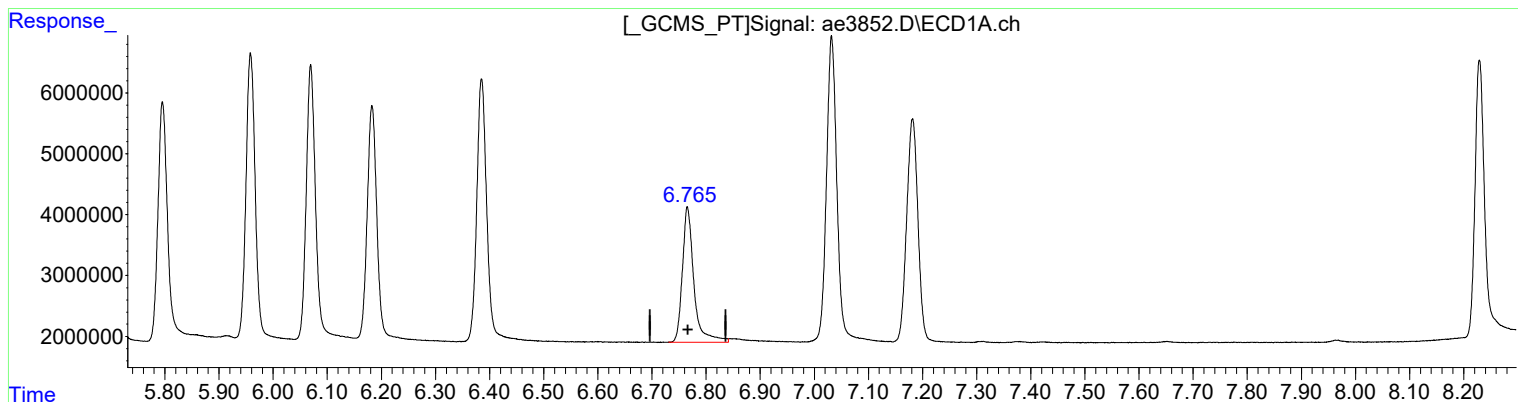
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.765min 11.317 ug/l m
response 33056857

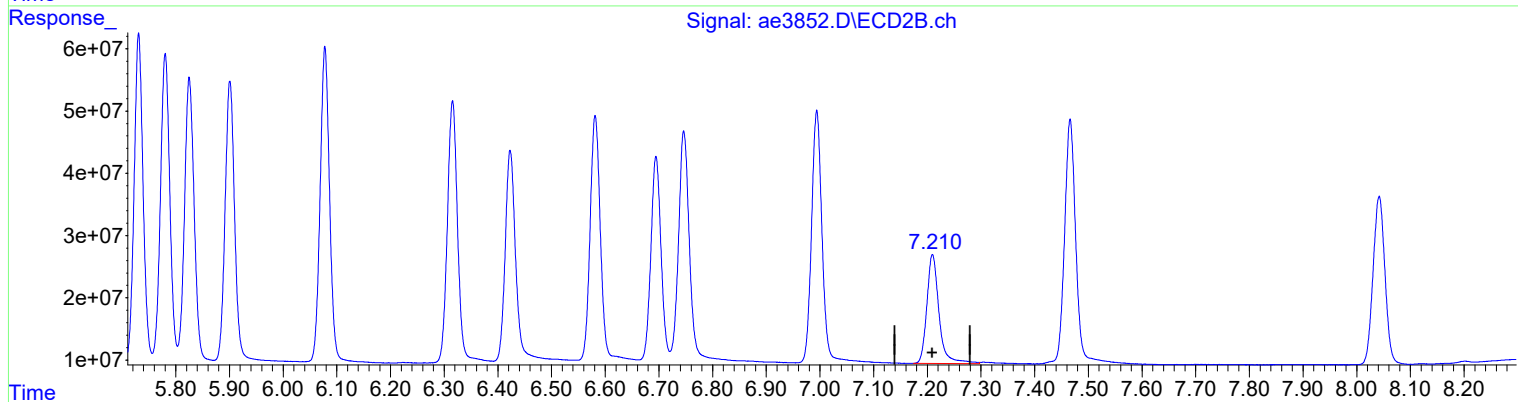
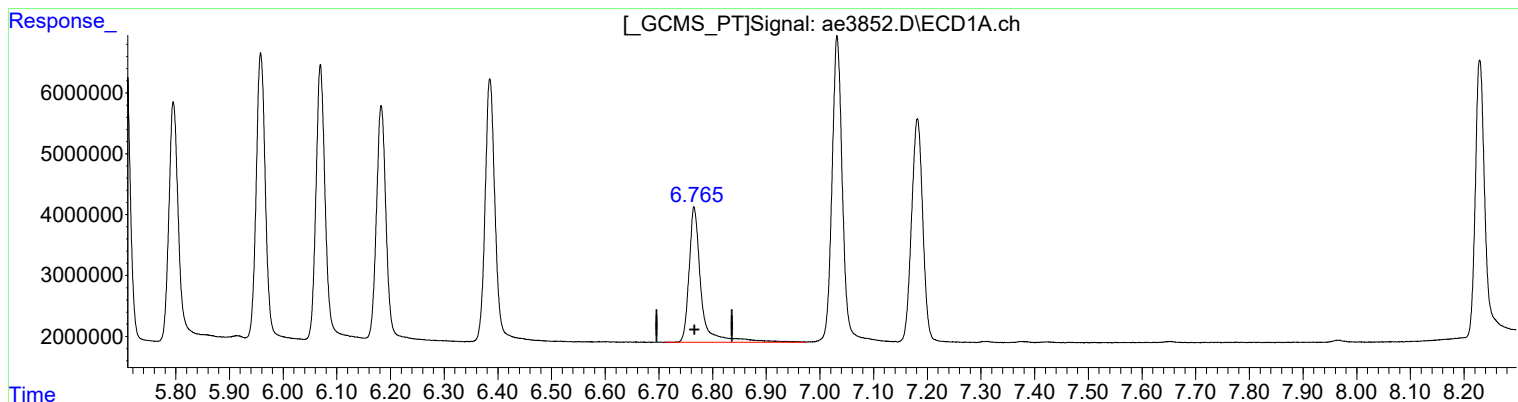
(22) Methoxychlor #2 (tc)
7.210min 11.039 ug/l
response 275282623

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc)
6.766min 12.014 ug/l
response 35093279

(22) Methoxychlor #2 (tc)
7.210min 11.039 ug/l
response 275282623

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:43 pm
 Operator : a.moses
 Sample : 8081 std 4
 Misc : initial cal.
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:56:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	52108389	494.9E6	11.032	10.869
Spiked Amount	100.000	Range	30 - 150	Recovery	= 11.03%#	10.87%#
26) S SURR2,Dec...	8.229	8.765	56850158	478.8E6	9.961	10.940
Spiked Amount	100.000	Range	30 - 150	Recovery	= 9.96%#	10.94%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	46822282	481.6E6	10.768	10.873
3) tc alpha-BHC	3.540	3.973	70507495	707.9E6	11.622	11.432
4) tcm gamma-BHC (L	3.834	4.240	65974676	649.2E6	11.316	11.456
5) tcm Heptachlor	4.117	4.748	69144422	712.0E6	11.588	11.439
6) tcm Aldrin	4.370	5.040	66402709	652.1E6	11.837	11.706
7) tc beta-BHC	4.015	4.450	30648628	271.1E6	10.810	10.856
8) tc delta-BHC	4.243	4.677	64555334	630.0E6	11.829	11.456
9) tc Heptachlor E	4.815	5.434	63347012	611.7E6	11.549	11.562
10) tc alpha-Endosu	5.152	5.825	59330250	580.8E6	11.506	11.545
11) tc gamma-Chlord	5.012	5.731	64436492	615.9E6	11.681	11.653
12) tc alpha-Chlord	5.096	5.780	63868238	605.6E6	11.595	11.605
13) tc 4,4'-DDE	5.259	5.901	60520285	587.5E6	11.954	12.080
14) tcm Dieldrin	5.408	6.078	64849611	631.7E6	11.630	11.793
15) tcm Endrin	5.707	6.316	59077580	561.1E6	11.989	11.513
17) tc beta-Endosul	5.958	6.581	58902048	546.9E6	11.617	11.685
18) tc 4,4'-DDD	5.796	6.423	53330534	489.8E6	12.045	11.922
19) tcm 4,4'-DDT	6.069	6.746	56900826	538.6E6	11.871	12.315
20) tc Endrin Aldeh	6.183	6.695	49643438	438.4E6	11.112	11.676
21) tc Endosulfan S	6.385	6.994	56513324	556.4E6	11.514	11.680
22) tc Methoxychlor	6.765	7.210	33056857	275.3E6	11.317m	11.039
24) tc Endrin Keton	7.032	7.466	68670106	582.5E6	11.548	11.237
25) tc Mirex	7.182	8.042	53683082	415.3E6	11.082	10.921
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

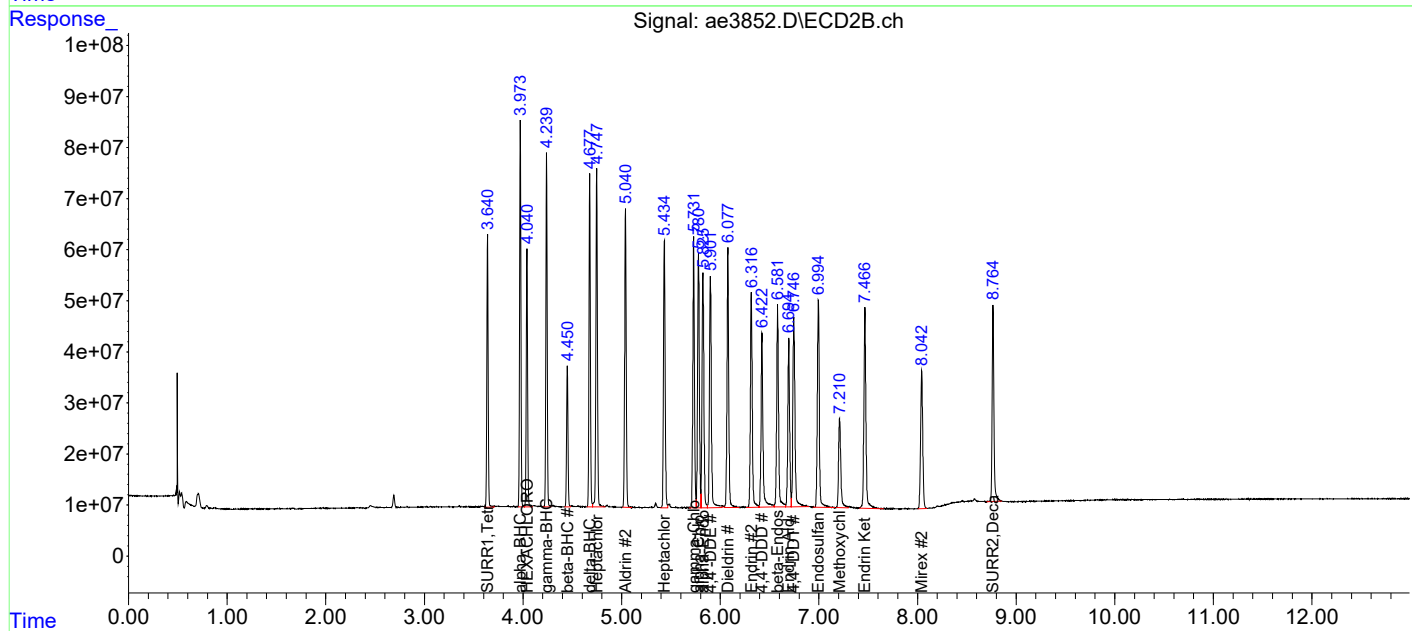
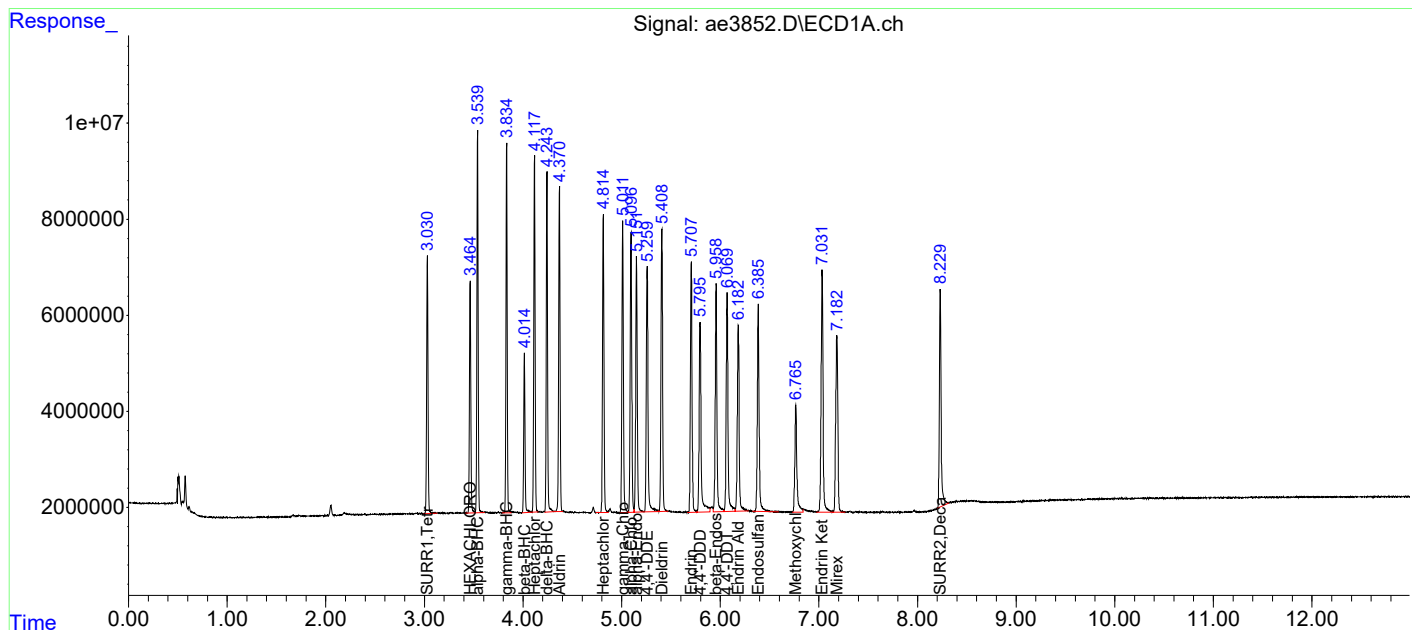
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:00 pm
 Operator : a.moses
 Sample : 8081 std 5
 Misc : initial cal.
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:10:47 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	235.7E6	2304.9E6	47.453	48.935
Spiked Amount	100.000	Range	30 - 150	Recovery	= 47.45%	48.94%
26) S SURR2,Dec...	8.226	8.758	228.1E6	2053.3E6	41.570	44.808
Spiked Amount	100.000	Range	30 - 150	Recovery	= 41.57%	44.81%
Target Compounds						
2) TC HEXACHLOR...	3.464	4.041	204.0E6	2196.7E6	45.190	47.521
3) tc alpha-BHC	3.539	3.974	347.0E6	3563.6E6	52.905	53.706
4) tcm gamma-BHC (L	3.834	4.240	316.9E6	3200.6E6	51.004	52.646
5) tcm Heptachlor	4.117	4.749	325.1E6	3403.3E6	50.478	51.009
6) tcm Aldrin	4.370	5.040	320.4E6	3191.3E6	52.310	52.785
7) tc beta-BHC	4.014	4.450	134.9E6	1224.7E6	45.718	47.026
8) tc delta-BHC	4.244	4.678	315.3E6	3149.5E6	52.940	53.385
9) tc Heptachlor E	4.815	5.434	294.4E6	2915.2E6	49.808	51.113
10) tc alpha-Endosu	5.152	5.826	280.4E6	2763.5E6	50.567	50.804
11) tc gamma-Chlord	5.012	5.732	306.0E6	3004.8E6	51.164	52.399
12) tc alpha-Chlord	5.096	5.781	299.8E6	2903.4E6	50.413	51.408
13) tc 4,4'-DDE	5.259	5.902	302.9E6	2889.8E6	54.505	53.359
14) tcm Dieldrin	5.408	6.079	320.3E6	3166.0E6	53.112	53.373
15) tcm Endrin	5.707	6.316	288.0E6	2761.9E6	53.153	51.610
17) tc beta-Endosul	5.958	6.582	281.2E6	2726.8E6	51.313	52.098
18) tc 4,4'-DDD	5.795	6.423	250.9E6	2496.0E6	51.410	53.381
19) tcm 4,4'-DDT	6.069	6.747	286.3E6	2871.9E6	54.626	56.236
20) tc Endrin Aldeh	6.183	6.695	243.2E6	2216.7E6	51.577	53.303
21) tc Endosulfan S	6.387	6.995	267.2E6	2891.1E6	50.612	54.100
22) tc Methoxychlor	6.766	7.209	146.0E6	1285.4E6	46.888	46.900
24) tc Endrin Keton	7.032	7.466	326.1E6	2886.6E6	50.900	52.004
25) tc Mirex	7.181	8.042	238.2E6	1875.0E6	46.654	47.140
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

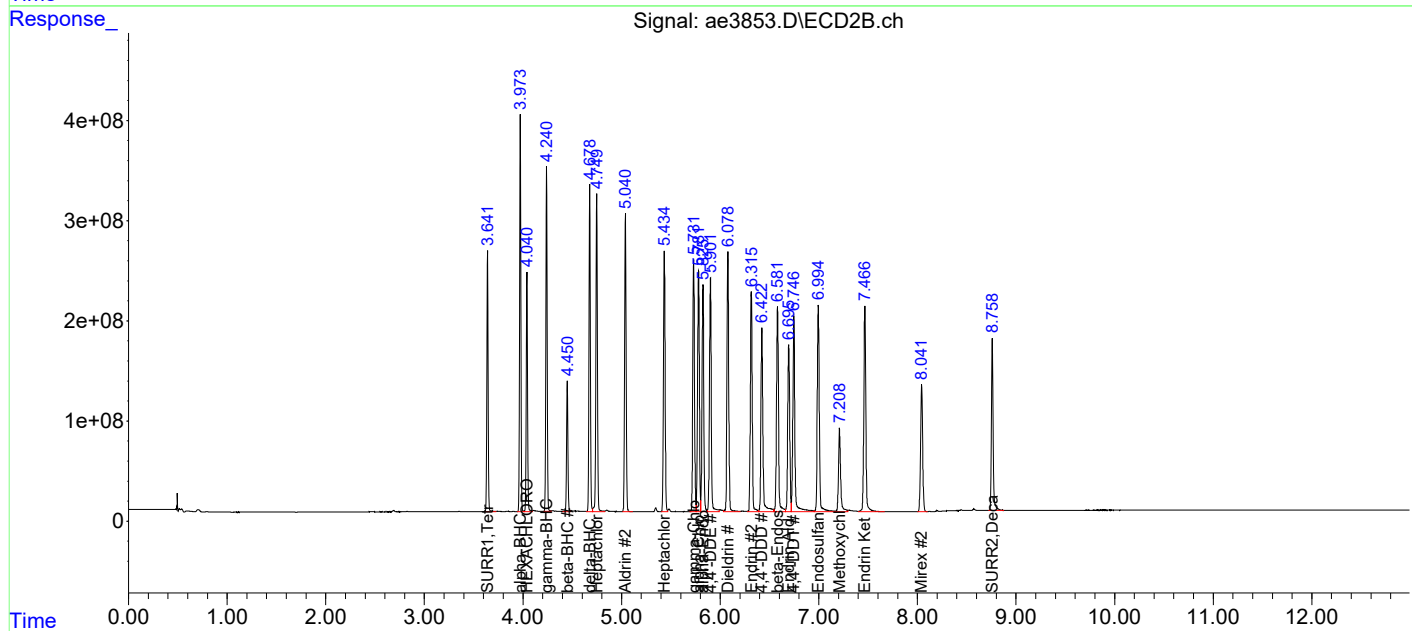
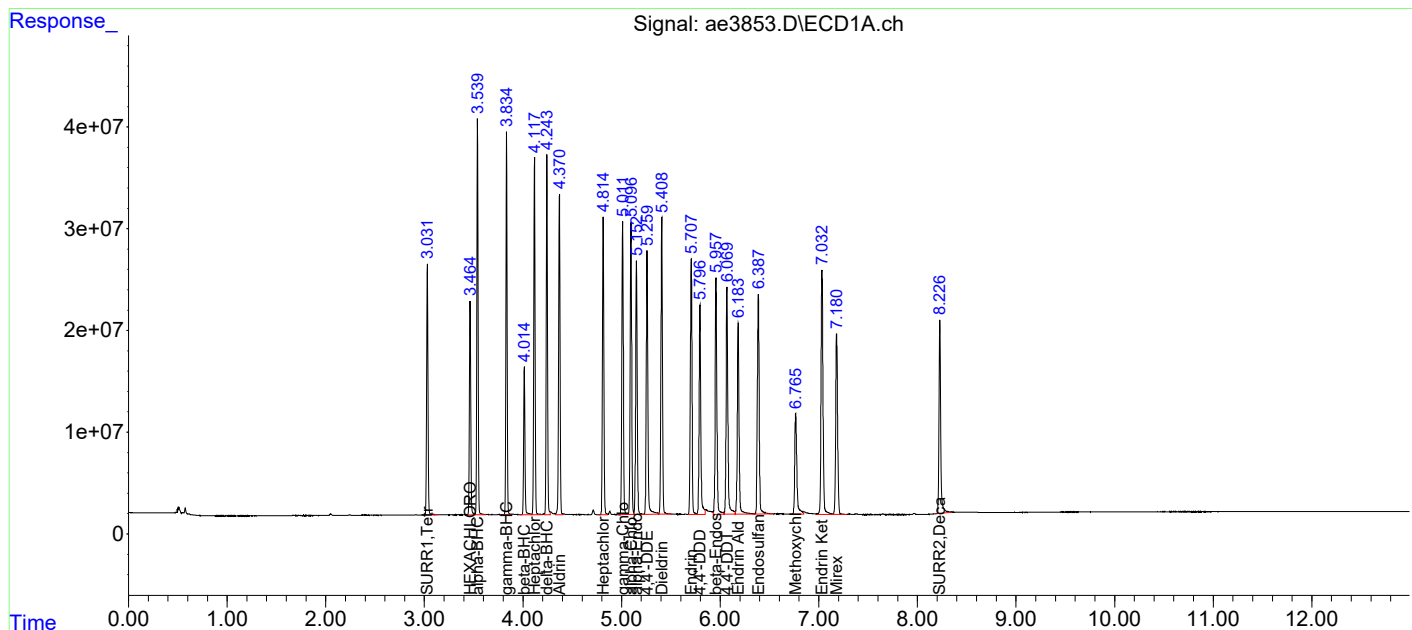
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:00 pm
Operator : a.moses
Sample : 8081 std 5
Misc : initial cal.
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:10:47 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:18 pm
 Operator : a.moses
 Sample : 8081 std 6
 Misc : initial cal.
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:12:49 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

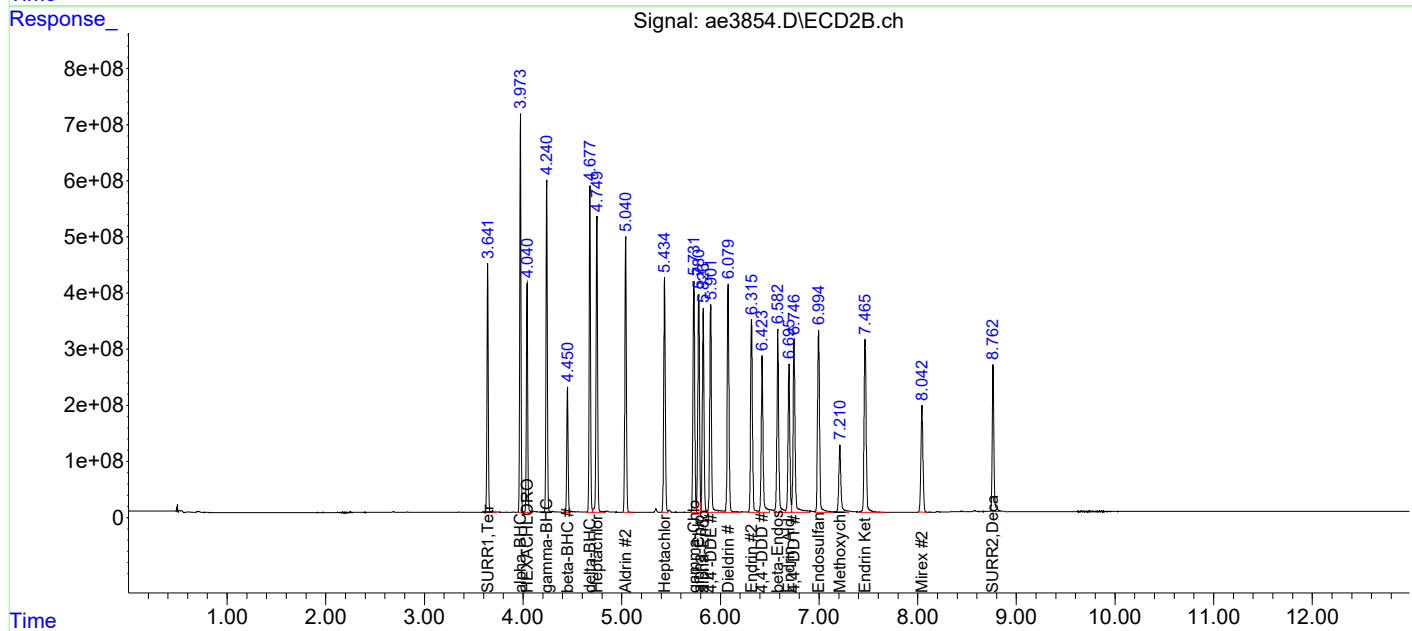
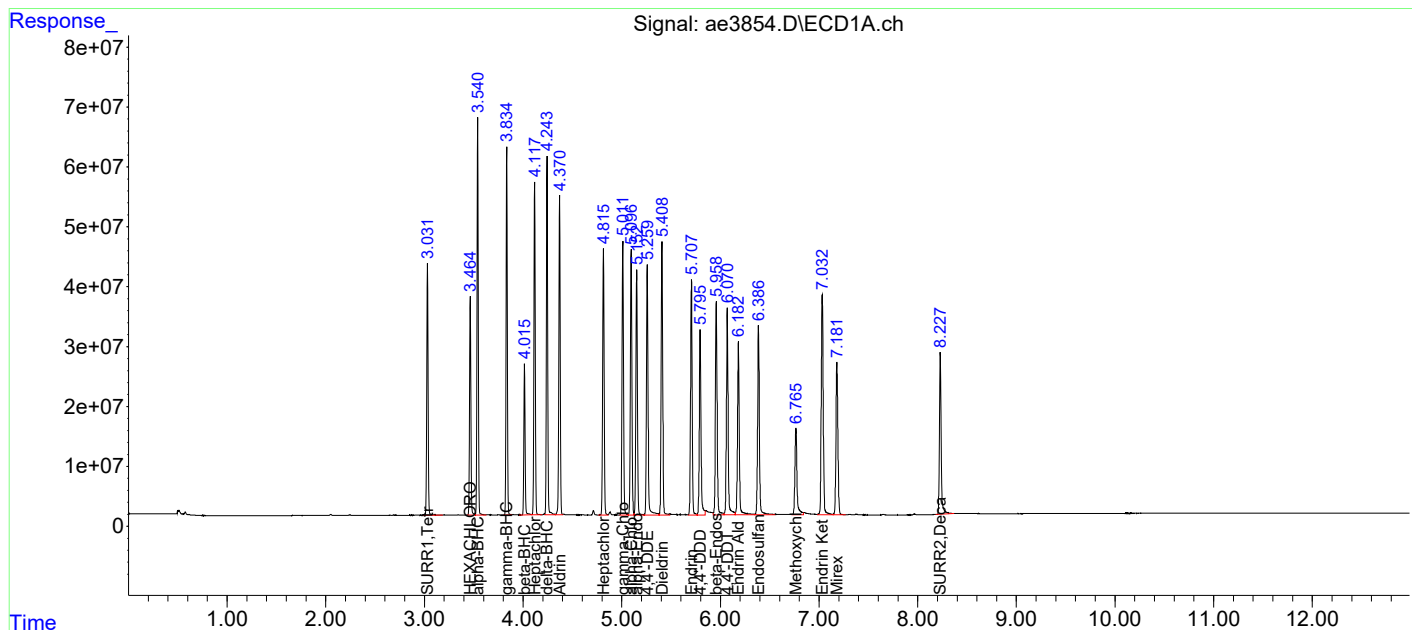
System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	398.9E6	3991.4E6	81.691	85.346
Spiked Amount	100.000	Range	30 - 150	Recovery	= 81.69%	85.35%
26) S SURR2,Dec...	8.227	8.762	327.3E6	3081.4E6	63.194	69.653
Spiked Amount	100.000	Range	30 - 150	Recovery	= 63.19%	69.65%
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	341.2E6	3798.3E6	78.075	83.550
3) tc alpha-BHC	3.540	3.974	593.0E6	6258.3E6	88.692	92.044
4) tcm gamma-BHC (L	3.835	4.240	536.5E6	5585.0E6	85.759	90.275
5) tcm Heptachlor	4.117	4.749	528.4E6	5673.7E6	81.777	84.472
6) tcm Aldrin	4.371	5.040	518.8E6	5291.1E6	83.420	85.922
7) tc beta-BHC	4.015	4.450	224.8E6	2095.5E6	78.438	82.094
8) tc delta-BHC	4.244	4.678	540.9E6	5484.6E6	89.062	90.915
9) tc Heptachlor E	4.815	5.434	468.7E6	4757.4E6	79.410	82.797
10) tc alpha-Endosu	5.152	5.826	442.5E6	4433.3E6	79.511	81.068
11) tc gamma-Chlord	5.011	5.732	484.0E6	4855.9E6	80.312	83.348
12) tc alpha-Chlord	5.096	5.781	470.5E6	4641.4E6	78.895	81.417
13) tc 4,4'-DDE	5.259	5.901	468.4E6	4593.8E6	81.823	82.964
14) tcm Dieldrin	5.408	6.079	504.9E6	5061.0E6	82.027	83.443
15) tcm Endrin	5.707	6.316	451.3E6	4402.3E6	81.589	81.390
17) tc beta-Endosul	5.959	6.582	436.5E6	4312.7E6	78.956	81.261
18) tc 4,4'-DDD	5.795	6.424	380.6E6	3724.2E6	77.267	77.893
19) tcm 4,4'-DDT	6.070	6.747	429.3E6	4295.1E6	79.452	80.748
20) tc Endrin Aldeh	6.183	6.696	378.2E6	3489.1E6	79.351	82.092
21) tc Endosulfan S	6.386	6.995	413.9E6	4516.5E6	78.074	82.266
22) tc Methoxychlor	6.765	7.210	211.4E6	1864.1E6	69.331	69.453
24) tc Endrin Keton	7.032	7.466	493.5E6	4457.4E6	76.571	79.246
25) tc Mirex	7.181	8.042	348.0E6	2783.8E6	69.702	71.348
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:18 pm
Operator : a.moses
Sample : 8081 std 6
Misc : initial cal.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:12:49 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3855.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:35 pm
 Operator : a.moses
 Sample : 8081 std 7
 Misc : initial cal.
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:13:17 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.031	3.642	819.0E6	8561.9E6	175.766	190.034
Spiked Amount	100.000	Range	30 - 150	Recovery	= 175.77%#	190.03%#
26) S SURR2,Dec...	8.228	8.763	742.3E6	7737.4E6	157.854	189.261
Spiked Amount	100.000	Range	30 - 150	Recovery	= 157.85%#	189.26%#

Target Compounds

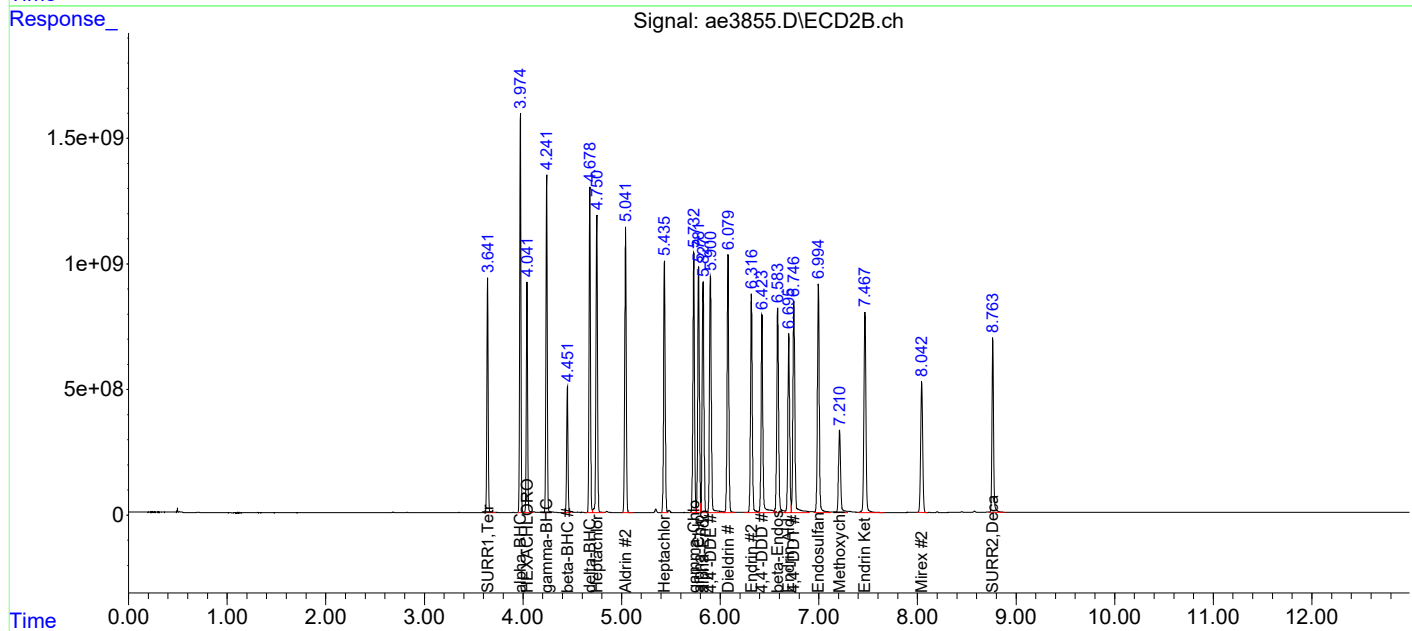
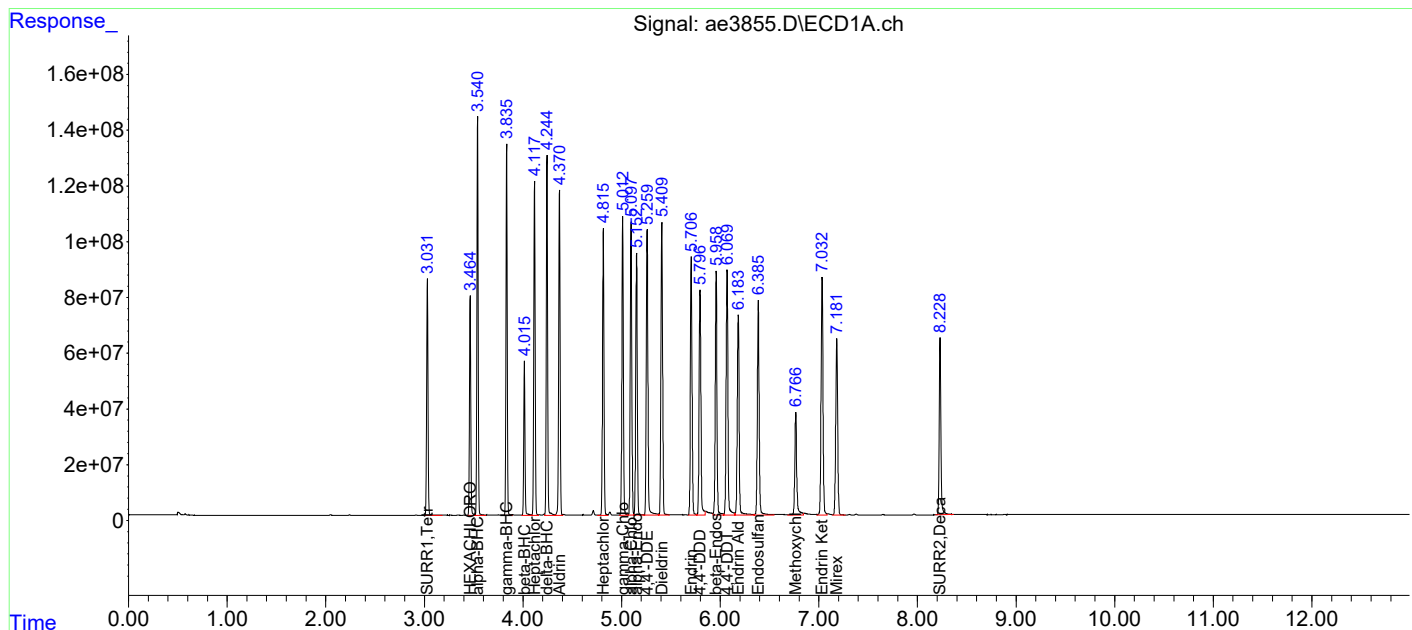
2) TC HEXACHLOR...	3.465	4.042	717.5E6	8402.1E6	173.690	192.747
3) tc alpha-BHC	3.540	3.975	1267.5E6	14054.3E6	195.094	210.898
4) tcm gamma-BHC (L	3.835	4.241	1165.9E6	12629.3E6	193.258	209.222
5) tcm Heptachlor	4.118	4.750	1166.0E6	12956.2E6	189.073	200.686
6) tcm Aldrin	4.371	5.041	1179.2E6	12510.5E6	197.803	210.569
7) tc beta-BHC	4.015	4.451	485.4E6	4702.6E6	179.026	192.859
8) tc delta-BHC	4.244	4.679	1200.9E6	12599.4E6	203.295	213.708
9) tc Heptachlor E	4.815	5.435	1077.6E6	11465.3E6	192.482	208.508
10) tc alpha-Endosu	5.152	5.827	1046.1E6	10935.0E6	198.098	209.894
11) tc gamma-Chlord	5.012	5.732	1153.9E6	12222.6E6	201.386	218.903
12) tc alpha-Chlord	5.097	5.781	1125.3E6	11622.1E6	199.199	213.801
13) tc 4,4'-DDE	5.259	5.901	1159.6E6	11830.4E6	212.216	223.163
14) tcm Dieldrin	5.409	6.079	1212.6E6	12614.2E6	206.254	216.954
15) tcm Endrin	5.707	6.316	1092.9E6	11233.8E6	207.118	217.826
17) tc beta-Endosul	5.959	6.583	1052.5E6	11051.4E6	200.955	218.467
18) tc 4,4'-DDD	5.796	6.424	981.9E6	10346.2E6	211.326	229.055
19) tcm 4,4'-DDT	6.069	6.747	1106.6E6	11530.4E6	215.899	227.732
20) tc Endrin Aldeh	6.183	6.695	925.7E6	9351.0E6	204.821	230.323
21) tc Endosulfan S	6.386	6.995	1018.1E6	12033.0E6	203.172	229.347
22) tc Methoxychlor	6.766	7.210	523.6E6	4821.8E6	185.994	194.501
24) tc Endrin Keton	7.032	7.467	1172.5E6	11467.9E6	193.238	215.037
25) tc Mirex	7.181	8.042	868.5E6	7452.0E6	188.216	205.730
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:35 pm
Operator : a.moses
Sample : 8081 std 7
Misc : initial cal.
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:13:17 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 tc alpha-BHC	10.000	9.083	9.2	81	0.00
4 tcm gamma-BHC (L	10.000	9.079	9.2	81	0.00
5 tcm Heptachlor	10.000	9.084	9.2	79	0.00
6 tcm Aldrin	10.000	8.866	11.3	78	0.00
7 tc beta-BHC	10.000	9.504	5.0	84	0.00
8 TC delta-BHC	10.000	9.204	8.0	82	0.00
9 tc Heptachlor E	10.000	9.038	9.6	78	0.00
10 tc alpha-Endosu	10.000	8.780	12.2	77	0.00
11 tc gamma-Chlord	10.000	8.784	12.2	77	0.00
12 tc alpha-Chlord	10.000	8.878	11.2	77	0.00
13 tc 4,4'-DDE	10.000	8.639	13.6	76	0.00
14 tcm Dieldrin	10.000	8.883	11.2	78	0.00
15 tcm Endrin	10.000	9.061	9.4	79	0.00
17 tc beta-Endosul	10.000	9.144	8.6	80	0.00
18 tc 4,4'-DDD	10.000	8.731	12.7	73	0.00
19 tcm 4,4'-DDT	10.000	8.899	11.0	78	0.00
20 tc Endrin Aldeh	10.000	9.173	8.3	83	0.00
21 tc Endosulfan S	10.000	8.428	15.7#	75	0.00
22 tc Methoxychlor	10.000	9.275	7.2	77	0.00
24 tc Endrin Keton	10.000	9.152	8.5	78	0.00
25 tc Mirex	10.000	8.124	18.8#	70	0.00

Signal #2

3 tc alpha-BHC	10.000	8.856	11.4	82	0.00
4 tcm gamma-BHC (L	10.000	8.804	12.0	80	0.00
5 tcm Heptachlor	10.000	8.875	11.3	79	0.00
6 tcm Aldrin	10.000	8.594	14.1	77	0.00
7 tc beta-BHC	10.000	9.178	8.2	83	0.00
8 tc delta-BHC	10.000	8.783	12.2	81	0.00
9 tc Heptachlor E	10.000	8.848	11.5	79	0.00
10 tc alpha-Endosu	10.000	8.633	13.7	77	0.00
11 tc gamma-Chlord	10.000	8.561	14.4	77	0.00
12 tc alpha-Chlord	10.000	8.692	13.1	77	0.00
13 tc 4,4'-DDE	10.000	8.726	12.7	77	0.00
14 tcm Dieldrin	10.000	8.849	11.5	80	0.00
15 tcm Endrin	10.000	8.822	11.8	82	0.00
17 tc beta-Endosul	10.000	8.847	11.5	81	0.00

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18 tc 4,4'-DDD	10.000	8.541	14.6	80	0.00
19 tcm 4,4'-DDT	10.000	9.074	9.3	84	0.00
20 tc Endrin Aldehy	10.000	8.785	12.1	81	0.00
21 tc Endosulfan S	10.000	8.172	18.3#	77	0.00
22 tc Methoxychlor	10.000	8.957	10.4	80	0.00
24 tc Endrin Keton	10.000	8.779	12.2	80	0.00
25 tc Mirex	10.000	8.023	19.8#	70	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-3.46#
16 tc KEPONE	1500.000	0.000	100.0#	0	-5.82#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.26#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	250.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	250.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	250.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	250.000	0.000	100.0#	0	-6.30#
31 L8C Toxaphene{5}	250.000	0.000	100.0#	0	-6.82#
32 L9C Chlordane	100.000	0.000	100.0#	0	-3.97#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.12#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-4.48#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.10#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.99#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-10.57#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-10.96#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-4.04#
16 tc KEPONE	1500.000	0.000	100.0#	0	-6.62#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.51#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	250.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	250.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	250.000	0.000	100.0#	0	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	250.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	250.000	0.000	100.0#	0	-7.35#
32 L9C Chlordane	100.000	0.000	100.0#	0	-4.57#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.75#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-5.04#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.46#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.82#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-12.01#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 34

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

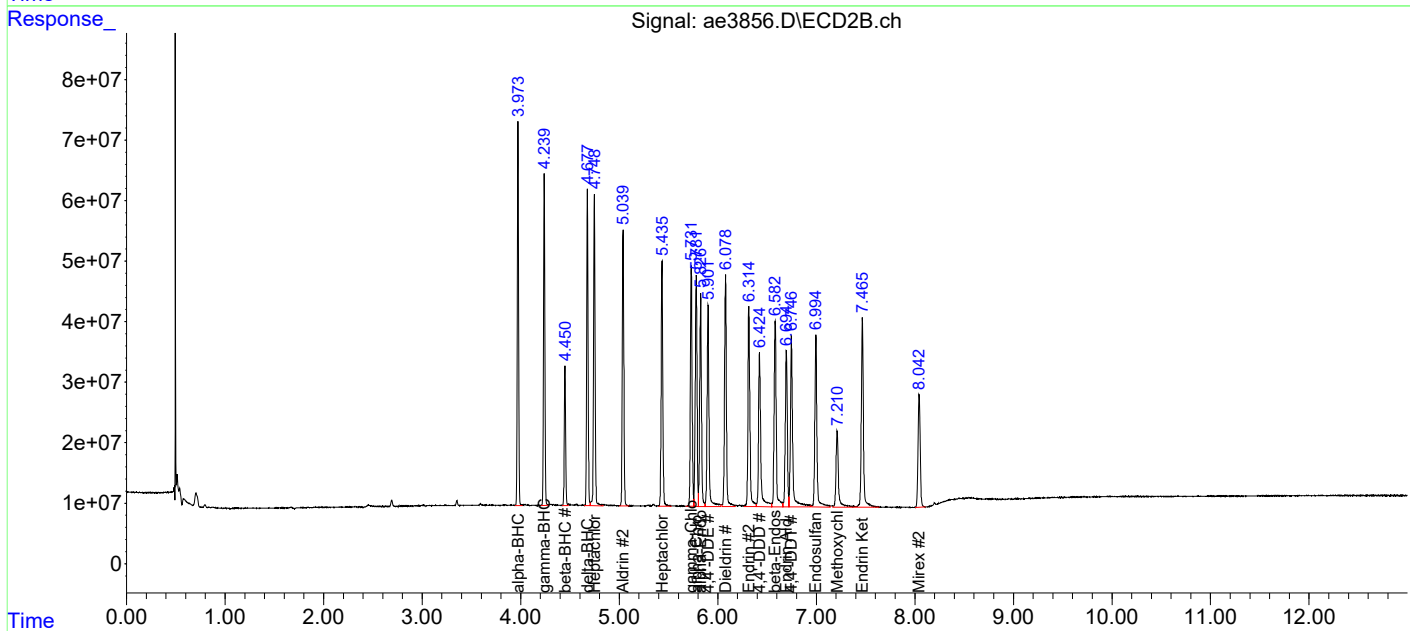
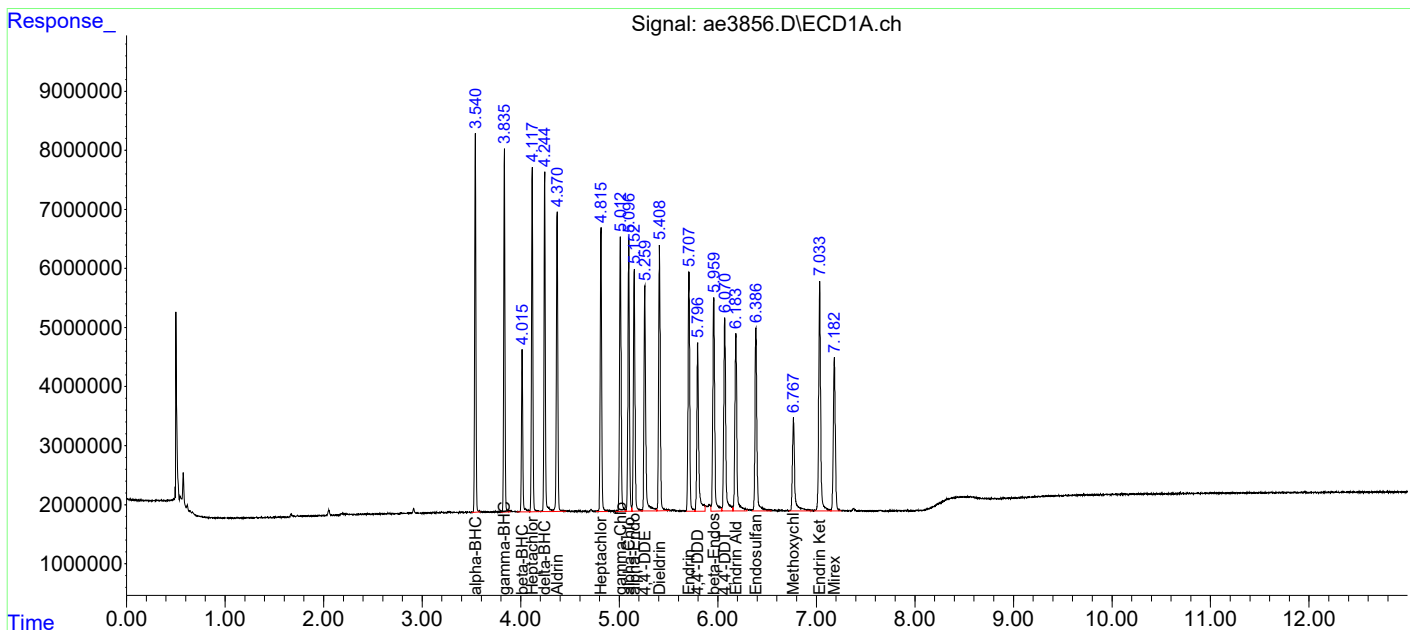
3) tc alpha-BHC	3.540	3.973	56884571	577.4E6	9.083	8.856
4) tcm gamma-BHC (L	3.835	4.240	53383340	521.8E6	9.079	8.804
5) tcm Heptachlor	4.118	4.749	54602166	560.5E6	9.084	8.875
6) tcm Aldrin	4.370	5.040	51567431	499.4E6	8.866	8.594
7) tc beta-BHC	4.015	4.450	25694380	223.9E6	9.504	9.178
8) tc delta-BHC	4.244	4.678	52863631	509.6E6	9.204	8.783
9) tc Heptachlor E	4.815	5.435	49382176	481.3E6	9.038	8.848
10) tc alpha-Endosu	5.153	5.826	45394625	445.4E6	8.780	8.633
11) tc gamma-Chlord	5.012	5.731	49459864	474.0E6	8.784	8.561
12) tc alpha-Chlord	5.097	5.782	49284295	467.9E6	8.878	8.692
13) tc 4,4'-DDE	5.260	5.901	45940663	453.1E6	8.639	8.726
14) tcm Dieldrin	5.409	6.078	50867077	503.2E6	8.883	8.849
15) tcm Endrin	5.707	6.315	46533639	461.6E6	9.061	8.822
17) tc beta-Endosul	5.959	6.582	46974628	445.1E6	9.144	8.847
18) tc 4,4'-DDD	5.796	6.424	39120699	391.1E6	8.731	8.541
19) tcm 4,4'-DDT	6.070	6.747	44303555	452.8E6	8.899	9.074
20) tc Endrin Aldeh	6.183	6.695	41248619	356.6E6	9.173	8.785
21) tc Endosulfan S	6.387	6.995	42103919	427.1E6	8.428	8.172
22) tc Methoxychlor	6.767	7.210	25359034	220.3E6	9.275	8.957
24) tc Endrin Keton	7.033	7.466	53819683	467.6E6	9.152	8.779
25) tc Mirex	7.182	8.042	37624556	291.0E6	8.124	8.023
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:53 pm
Operator : a.moses
Sample : 8081 icv
Misc : initial cal.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:27:46 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:26:16 2019
Response via : Initial Calibration
Integrator: ChemStation

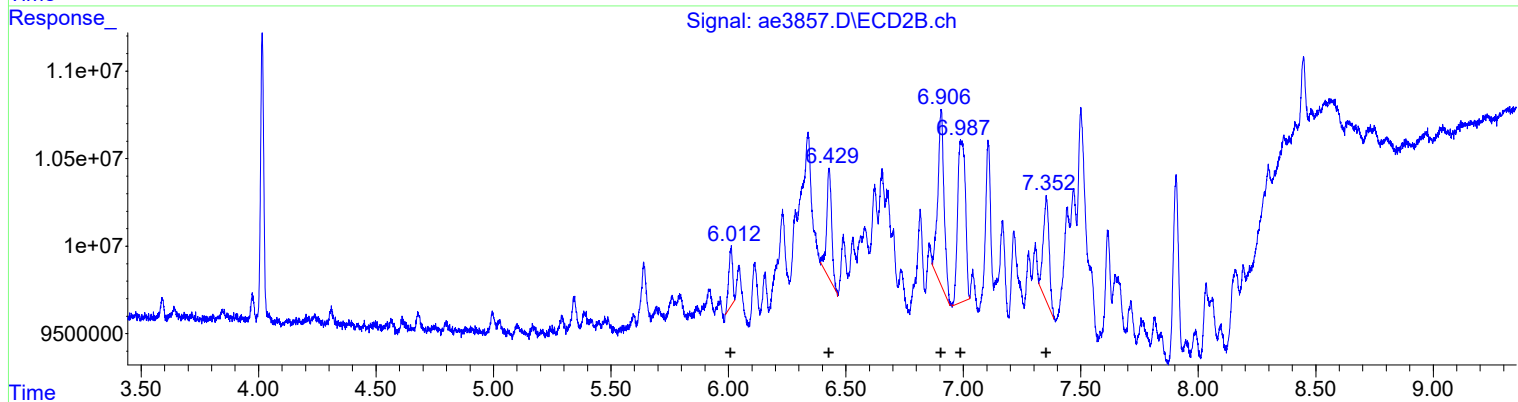
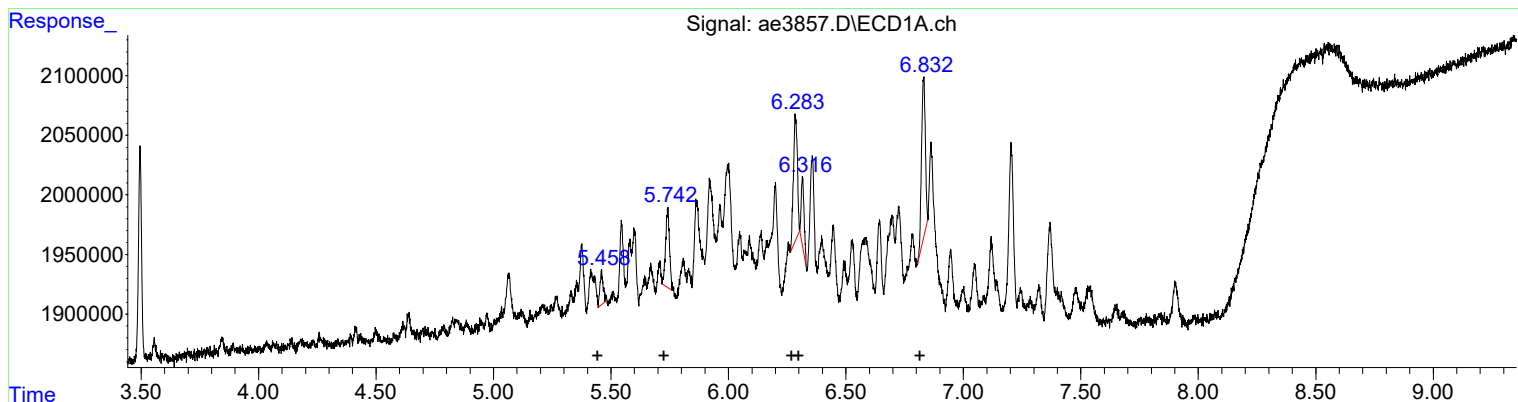
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:11 pm
Operator : a.moses
Sample : tox std 1
Misc : initial cal.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:51:43 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:51:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



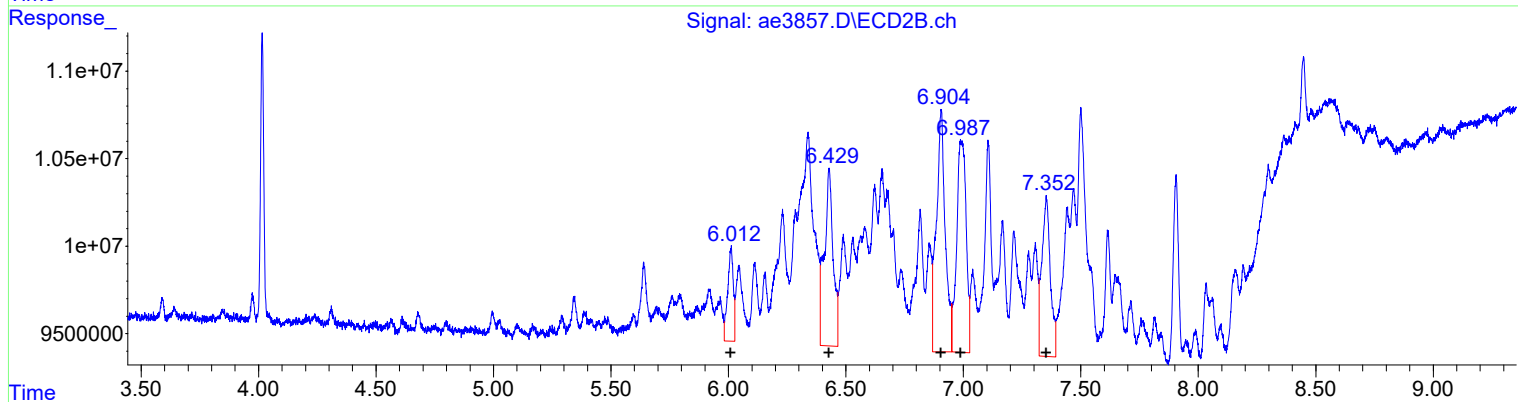
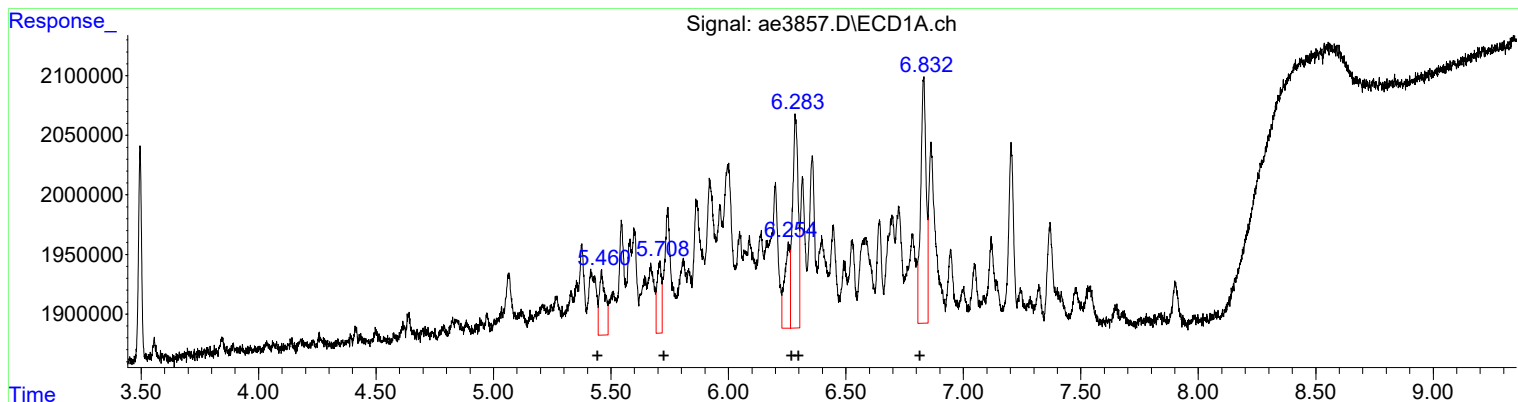
(27) Toxaphene (L8C)			Manual Integration: After Poor integration. 04/29/19
R.T.	Response	Conc	
5.46	267988	19.67	
5.74	769095	19.38	
6.28	1223424	20.14	
6.32	491333	20.60	
6.83	1519689	20.10	
(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	3871018	20.53	
6.43	9207185	19.27	
6.91	18295930	19.96	
6.99	21134333	19.87	
7.35	10241884	19.86	

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:11 pm
Operator : a.moses
Sample : tox std 1
Misc : initial cal.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:51:43 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:51:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.46	949964	69.74	
5.71	769325	19.38	
6.26	1137069	18.72	
6.28	2971547	124.58	
6.83	3396378	44.91	
(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	8997018	47.72	
6.43	26424554	55.31	
6.91	36588115	39.91	
6.99	34012356	31.98	
7.35	23018794	44.64	

Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:11 pm
 Operator : a.moses
 Sample : tox std 1
 Misc : initial cal.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:51:43 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:51:14 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

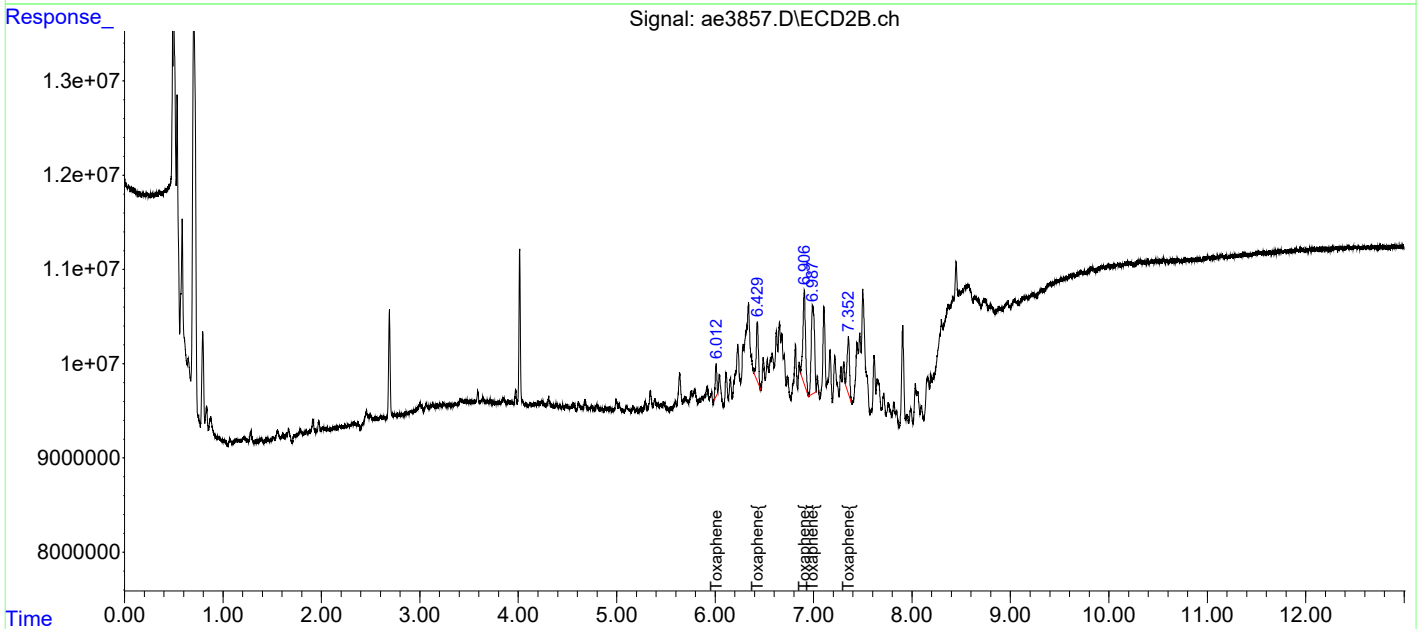
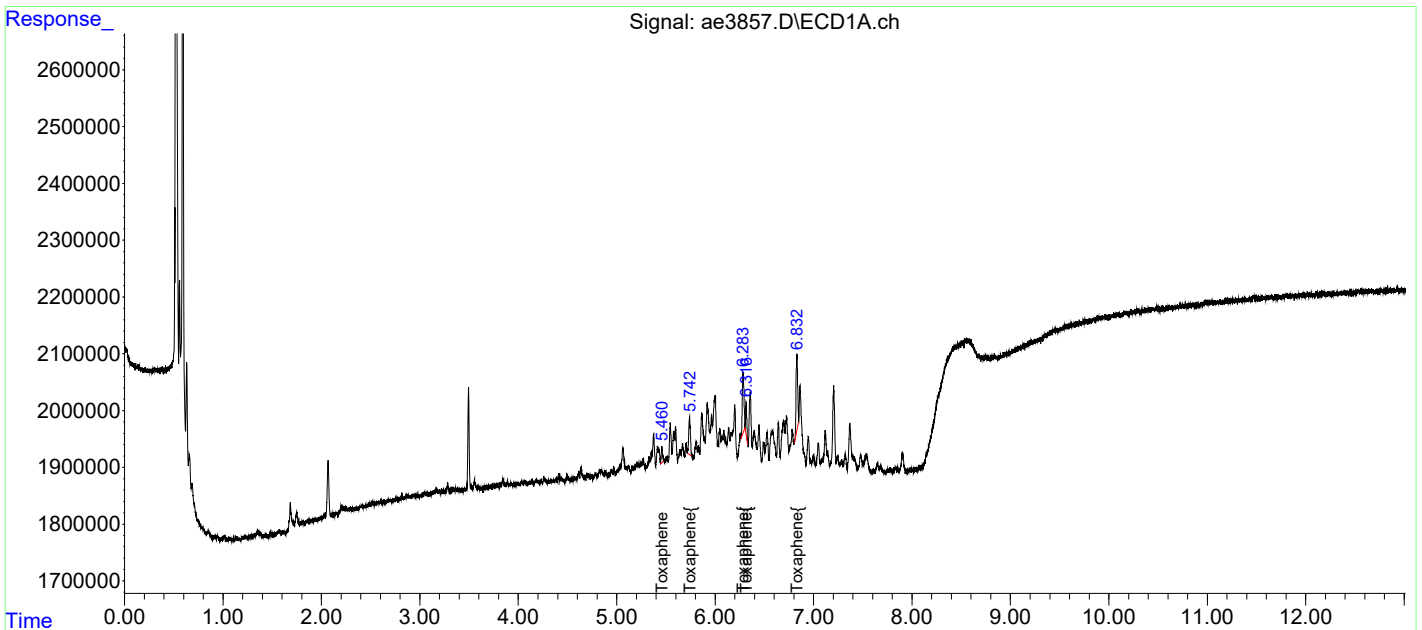
27) L8C Toxaphene	5.458	6.012	267988	3871018	19.673m	20.531m
28) L8C Toxaphene{2}	5.742	6.429	769095	9207185	19.376m	19.270m
29) L8C Toxaphene{3}	6.283	6.906	1223424	18295930	20.142m	19.956m
30) L8C Toxaphene{4}	6.316	6.987	491333	21134333	20.599m	19.870m
31) L8C Toxaphene{5}	6.832	7.352	1519689	10241884	20.097m	19.860m
Sum Toxaphene			4271528	62750350	99.886	99.488
Average Toxaphene					19.977	19.898
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:11 pm
Operator : a.moses
Sample : tox std 1
Misc : initial cal.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:51:43 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:51:14 2019
Response via : Initial Calibration
Integrator: ChemStation

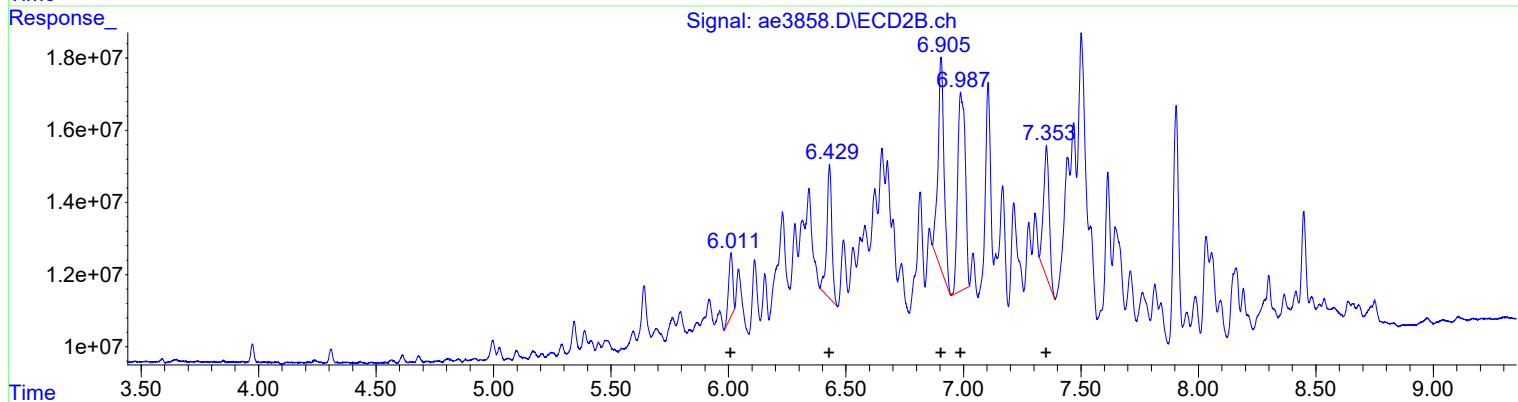
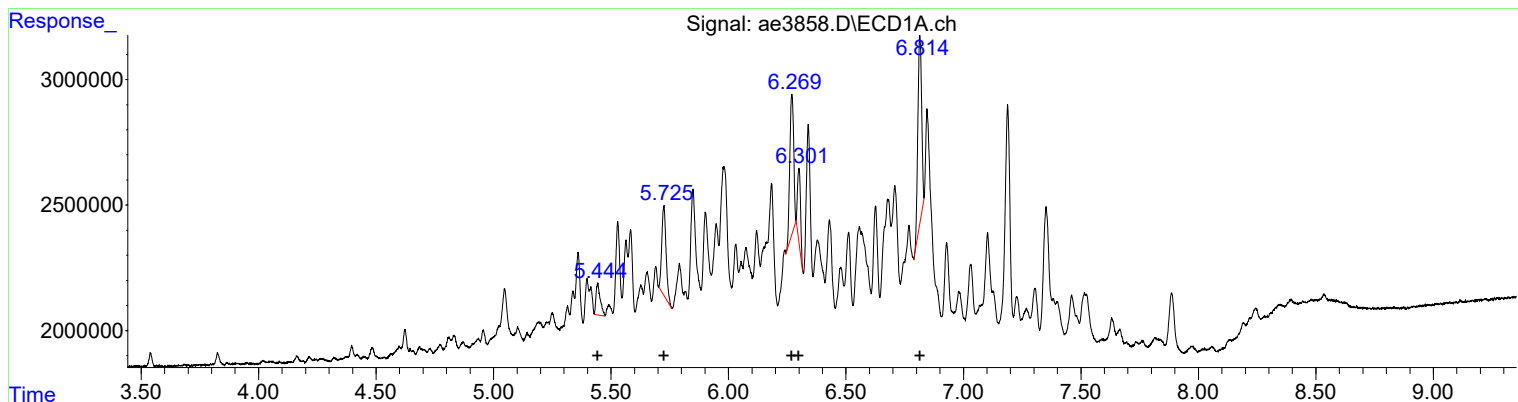
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:28 pm
Operator : a.moses
Sample : tox std 2
Misc : initial cal.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:30 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.44	1567953	109.41	
5.73	4555008	109.13	
6.27	6432816	103.98	
6.30	2628783	103.95	
6.81	8394093	106.55	

(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	21667979	108.59	
6.43	54656249	108.82	
6.91	104136093	108.88	
6.99	122742440	111.03	
7.35	60294090	111.88	

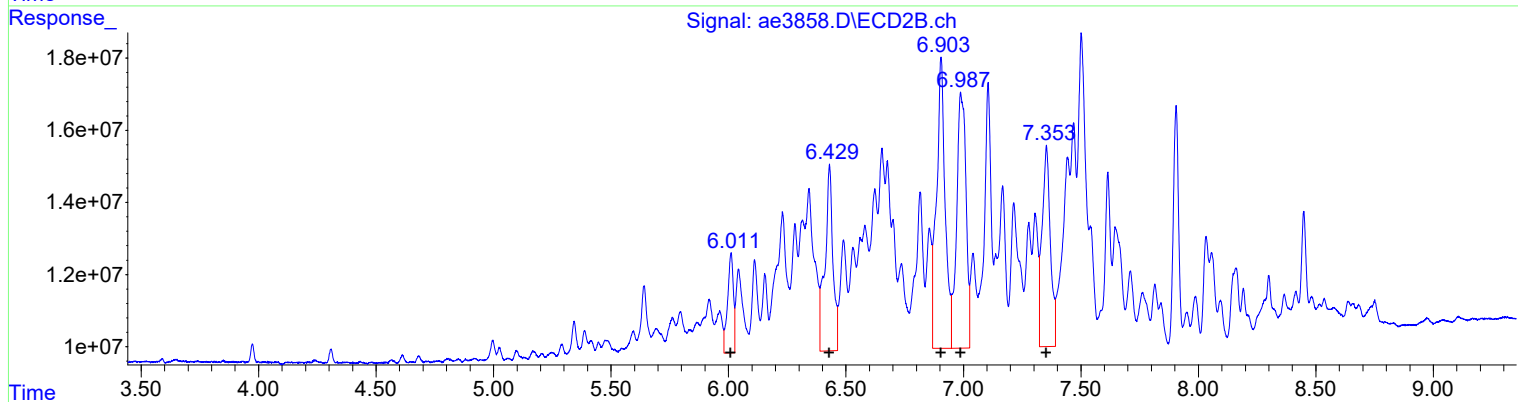
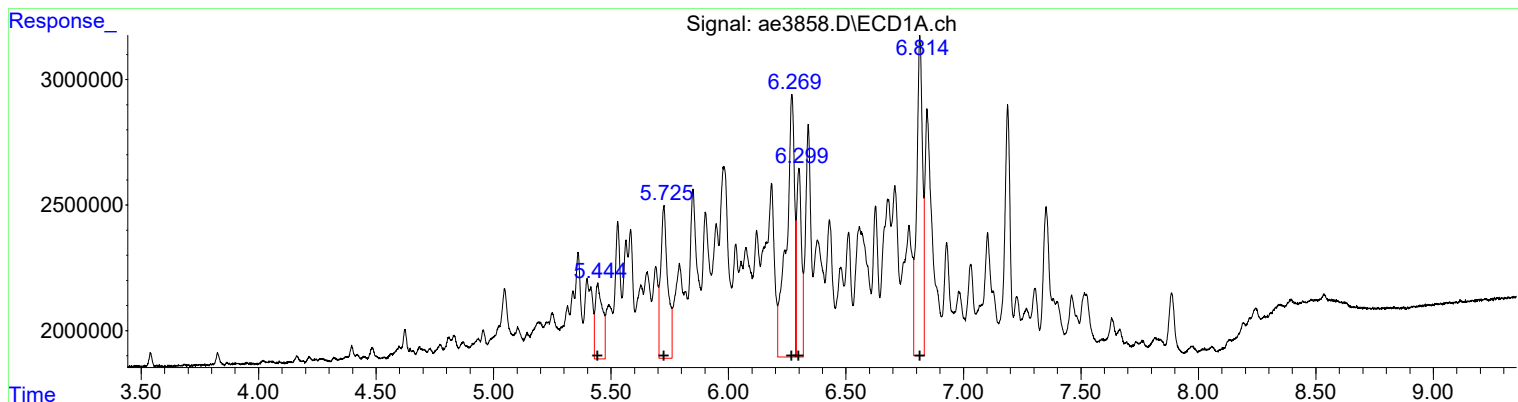
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:28 pm
 Operator : a.moses
 Sample : tox std 2
 Misc : initial cal.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:30 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(27) Toxaphene (L8C)		
R.T. Response Conc		
5.44 6418718 447.89		Manual Integration:
5.72 12665091 303.42		Before
6.27 25391395 410.41		
6.30 10807265 427.35		
6.81 21640282 274.70		04/29/19
(27) Toxaphene #2 (L8C)		
R.T. Response Conc		
6.01 47294916 237.02		
6.43 121742323 242.40		
6.90 206610632 216.03		
6.99 196547690 177.80		
7.35 136594529 253.46		

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:28 pm
 Operator : a.moses
 Sample : tox std 2
 Misc : initial cal.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:30 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

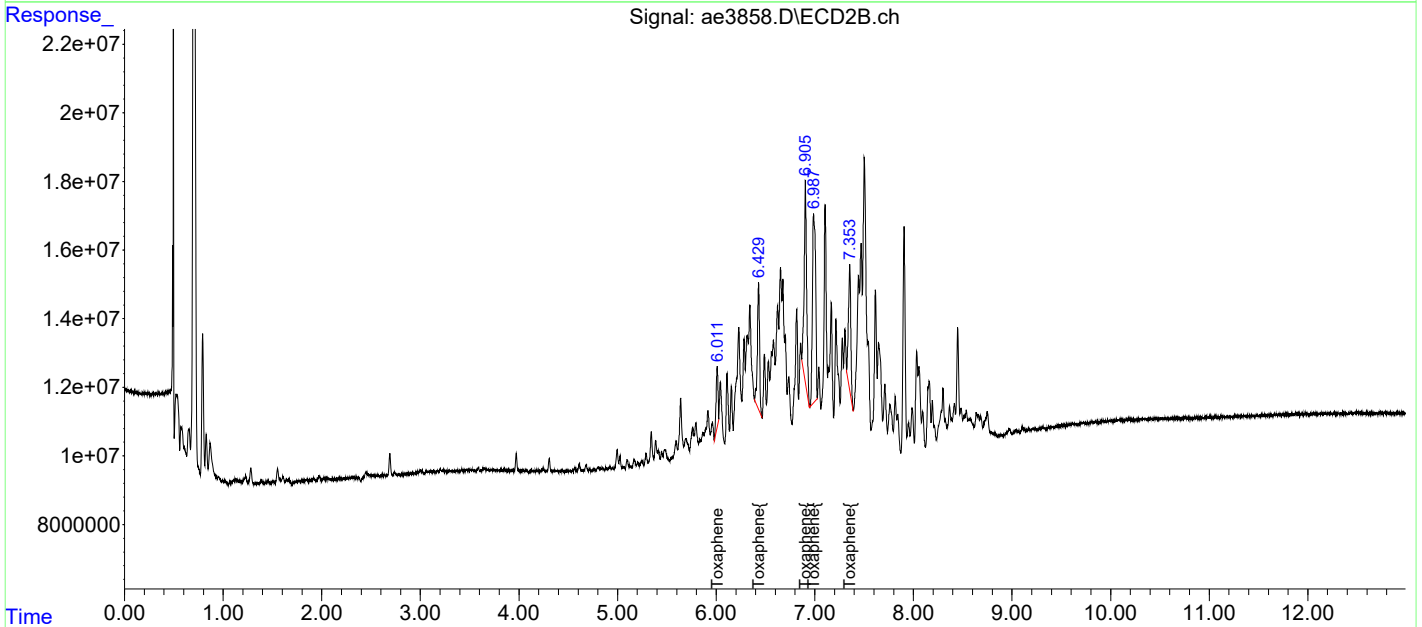
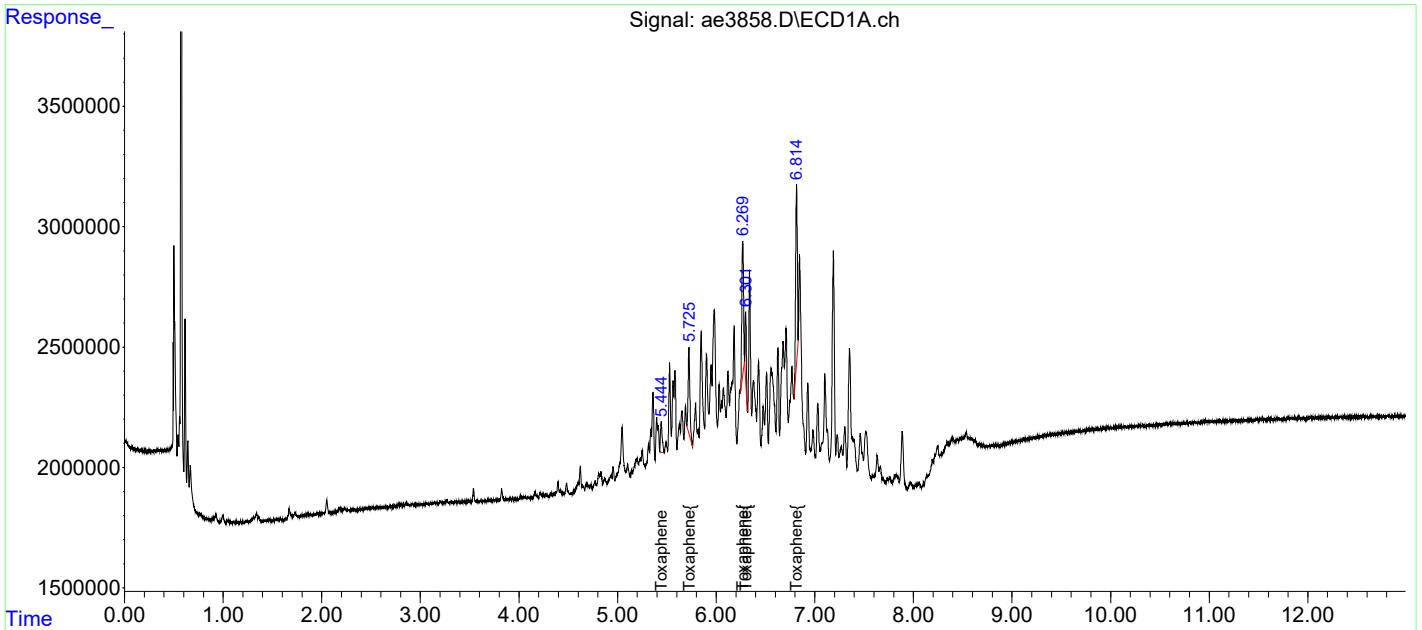
27) L8C Toxaphene	5.444	6.011	1567953	21667979	109.410m	108.589m
28) L8C Toxaphene{2}	5.725	6.429	4555008	54656249	109.126m	108.824m
29) L8C Toxaphene{3}	6.269	6.905	6432816	104.1E6	103.976m	108.881m
30) L8C Toxaphene{4}	6.301	6.987	2628783	122.7E6	103.950m	111.033m
31) L8C Toxaphene{5}	6.814	7.353	8394093	60294090	106.555m	111.879m
Sum Toxaphene			23578653	363.5E6	533.016	549.207
Average Toxaphene					106.603	109.841
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:28 pm
Operator : a.moses
Sample : tox std 2
Misc : initial cal.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:30 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

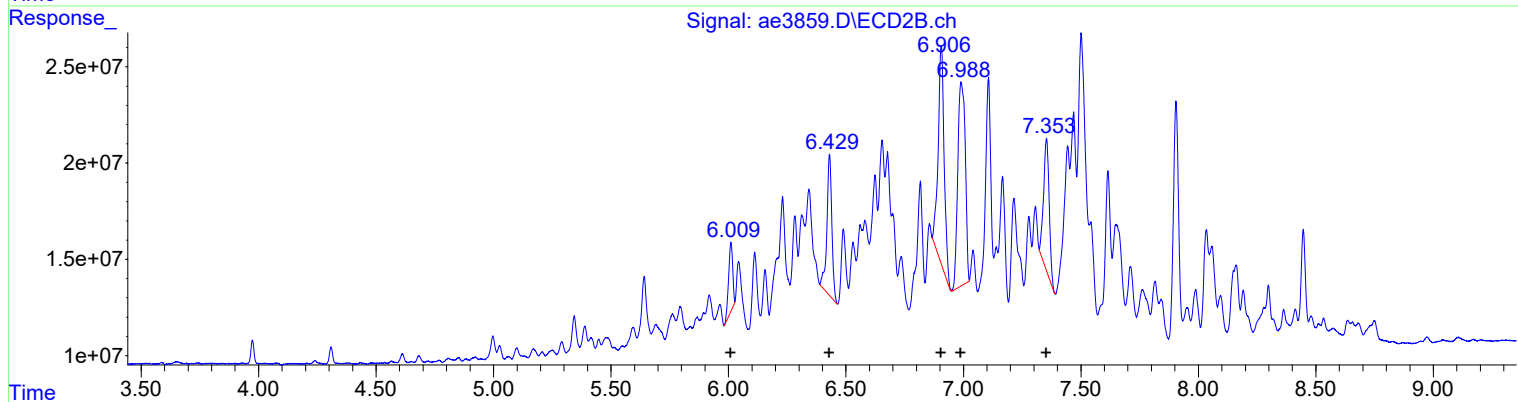
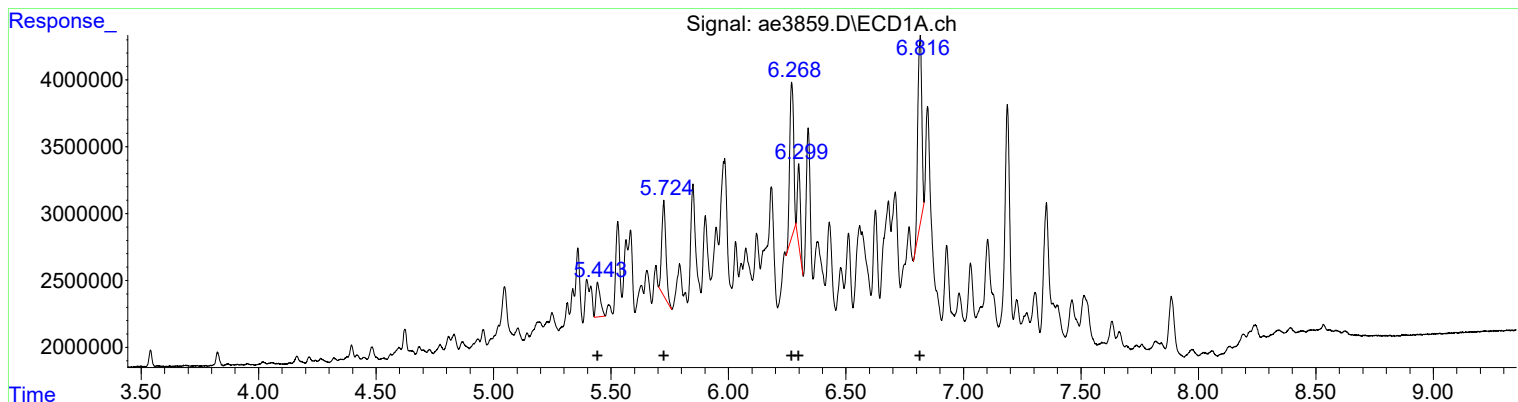
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:46 pm
 Operator : a.moses
 Sample : tox std 3
 Misc : initial cal.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:34 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)

R.T.	Response	Conc
5.44	3350334	233.78
5.72	8822331	211.36
6.27	13428609	217.05
6.30	5259386	207.97
6.82	16682001	211.76

(27) Toxaphene #2 (L8C)

R.T.	Response	Conc
6.01	43489588	217.95
6.43	107376144	213.79
6.91	201199622	210.37
6.99	234556214	212.18
7.35	113424762	210.47

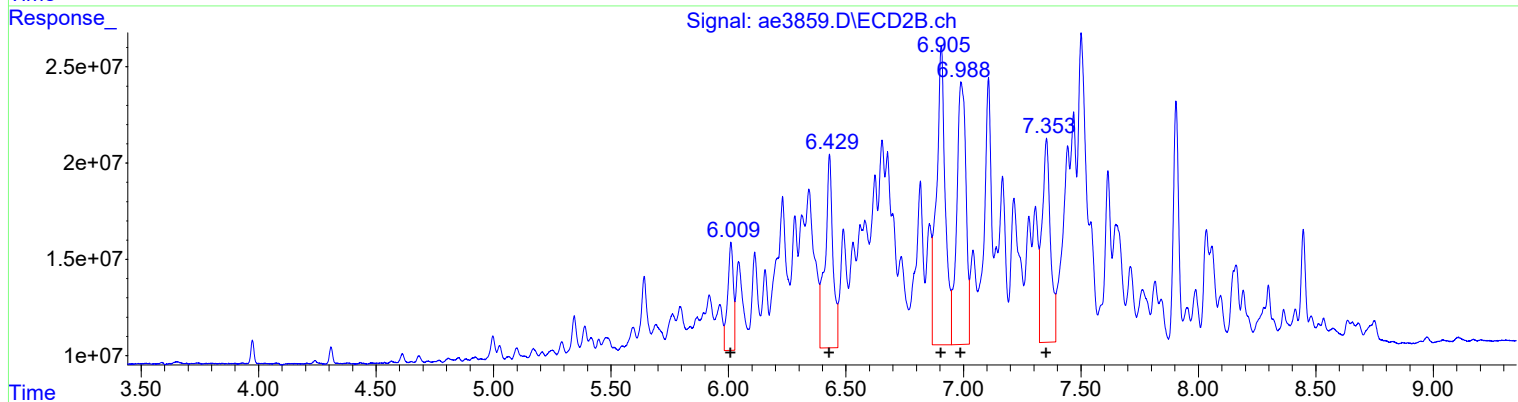
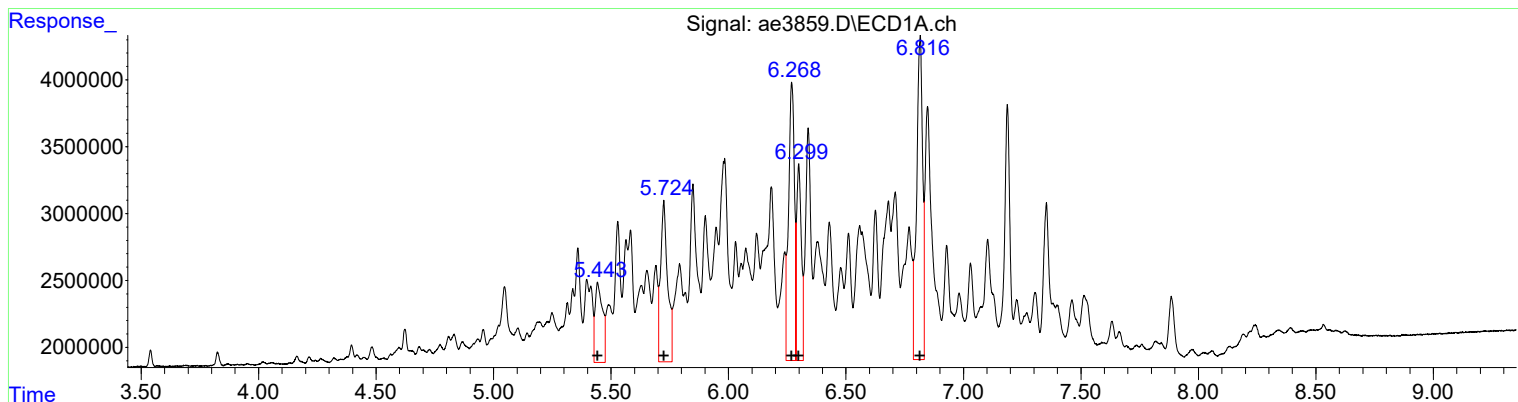
Manual Integration:
 After
 Poor integration.
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:46 pm
Operator : a.moses
Sample : tox std 3
Misc : initial cal.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:34 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	13170768	919.04
5.72	25043949	599.98
6.27	36440003	588.99
6.30	20643773	816.31
6.82	42764850	542.86

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	95209436	477.14
6.43	234978649	467.86
6.91	405122487	423.58
6.99	373093034	337.50
7.35	262567059	487.21

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:46 pm
 Operator : a.moses
 Sample : tox std 3
 Misc : initial cal.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:34 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

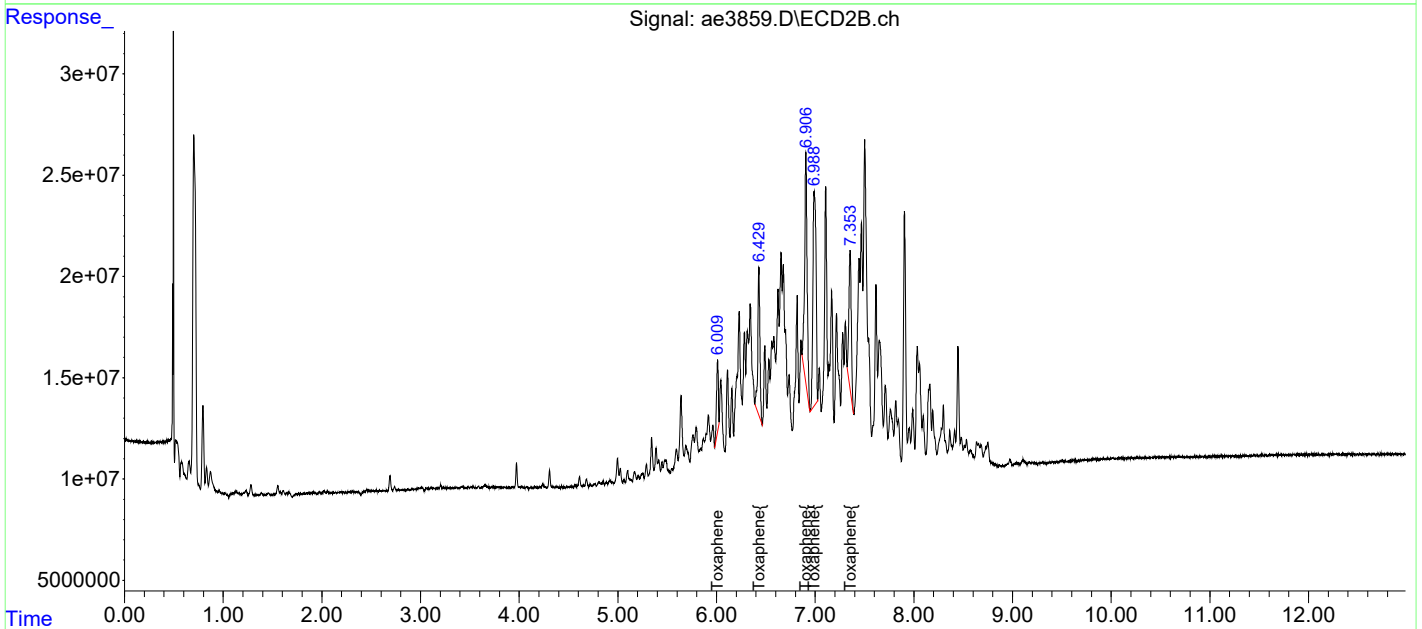
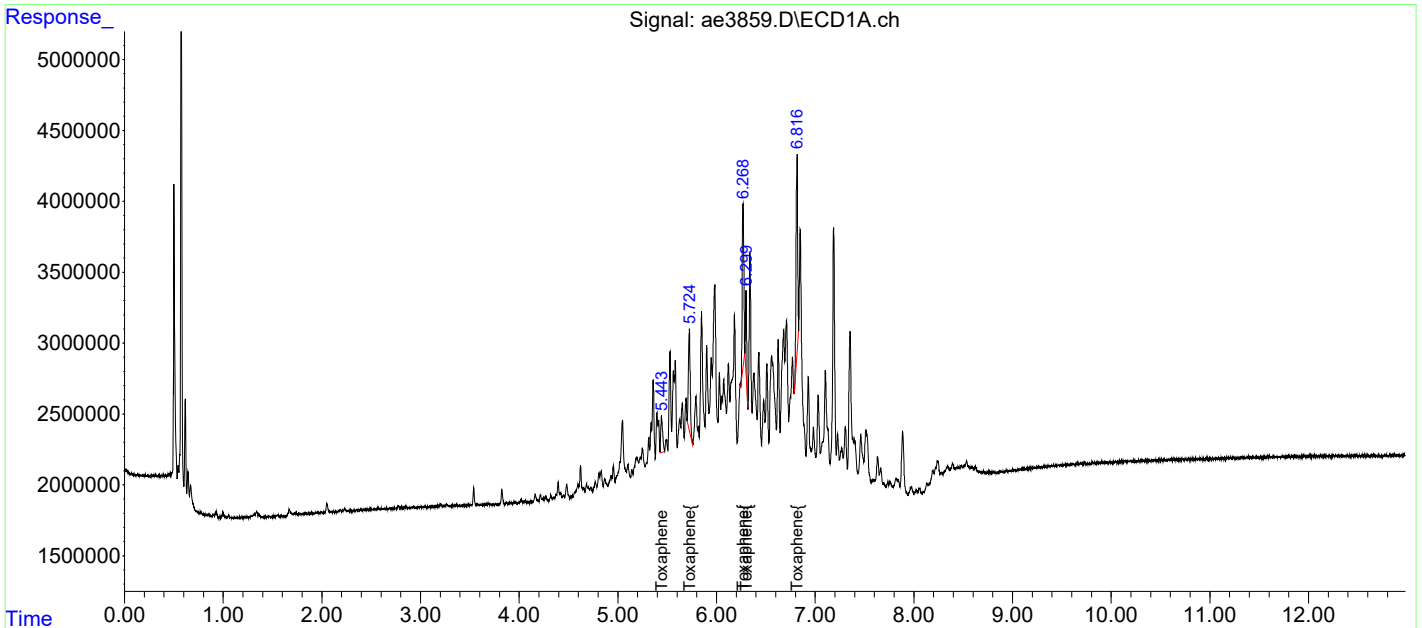
27) L8C Toxaphene	5.443	6.009	3350334	43489588	233.782m	217.947m
28) L8C Toxaphene{2}	5.724	6.429	8822331	107.4E6	211.359m	213.793m
29) L8C Toxaphene{3}	6.268	6.906	13428609	201.2E6	217.051m	210.368m
30) L8C Toxaphene{4}	6.299	6.988	5259386	234.6E6	207.971m	212.181m
31) L8C Toxaphene{5}	6.816	7.353	16682001	113.4E6	211.761m	210.466m
Sum Toxaphene			47542660	700.0E6	1081.925	1064.755
Average Toxaphene					216.385	212.951
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:46 pm
Operator : a.moses
Sample : tox std 3
Misc : initial cal.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:34 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

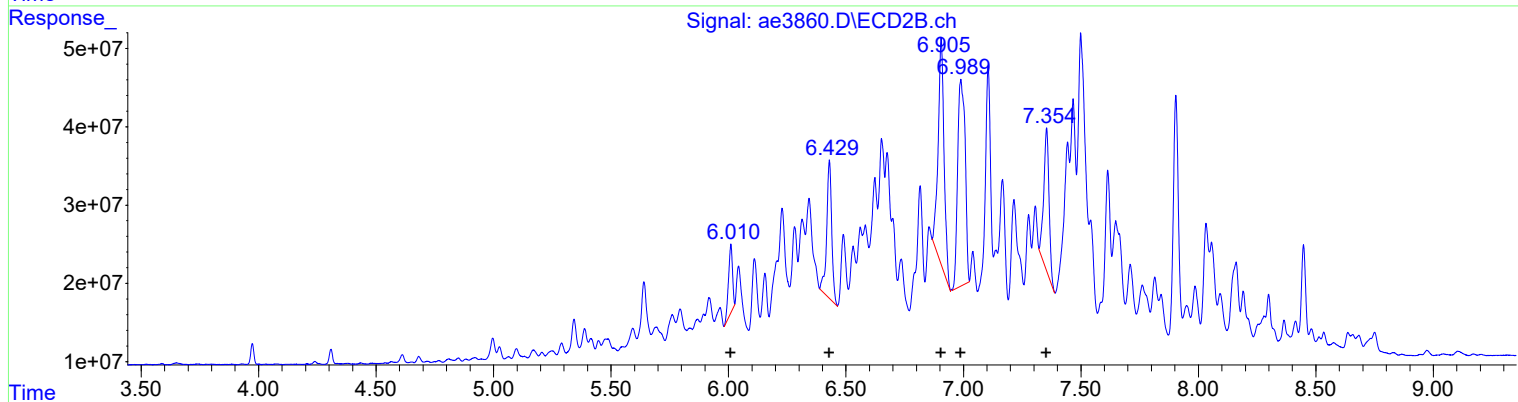
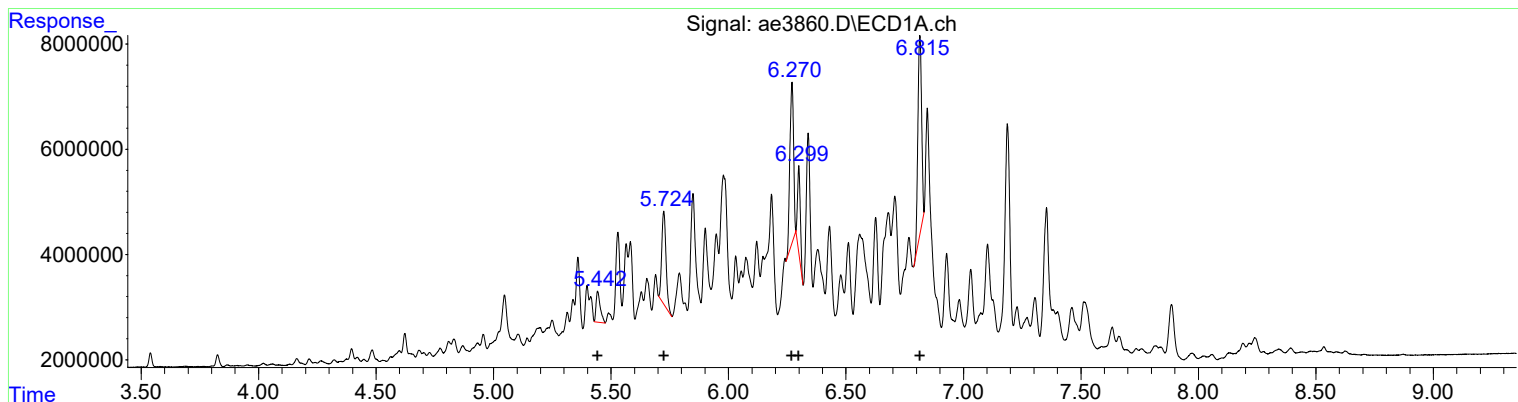
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.44	7221666	503.92	
5.72	22175945	531.27	
6.27	33594959	543.01	
6.30	13784771	545.09	
6.81	41835631	531.06	

(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	103682074	519.60	
6.43	261390311	520.45	
6.91	506210481	529.28	
6.99	583035718	527.42	
7.35	282401837	524.01	

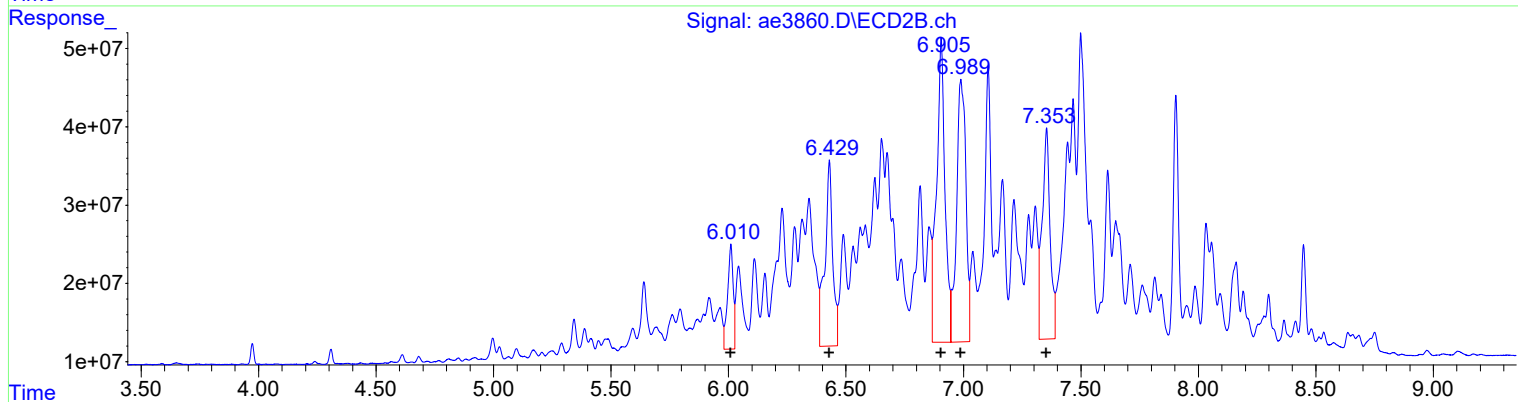
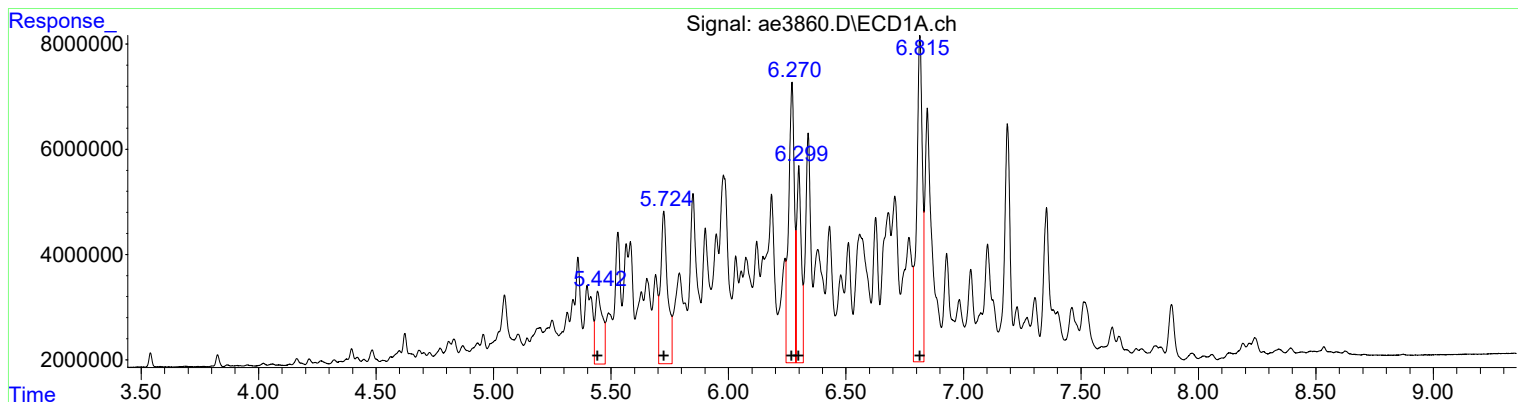
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.44	29474356	2056.69	
5.72	59473550	1424.82	
6.27	89717879	1450.14	
6.30	50612621	2001.37	
6.81	104508184	1326.63	

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	220879089	1106.93	
6.43	546596994	1088.31	
6.91	971429679	1015.69	
6.99	920910454	833.06	
7.35	634927700	1178.15	

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:03 pm
 Operator : a.moses
 Sample : tox std 4
 Misc : initial cal.
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

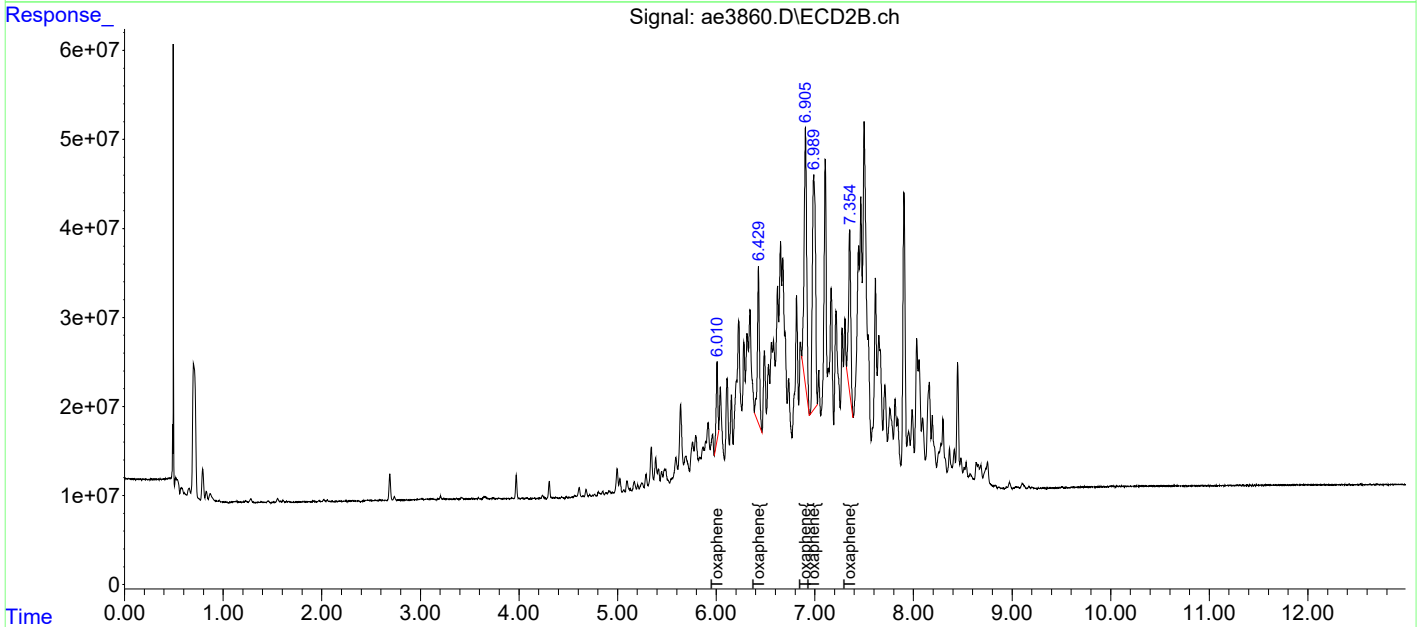
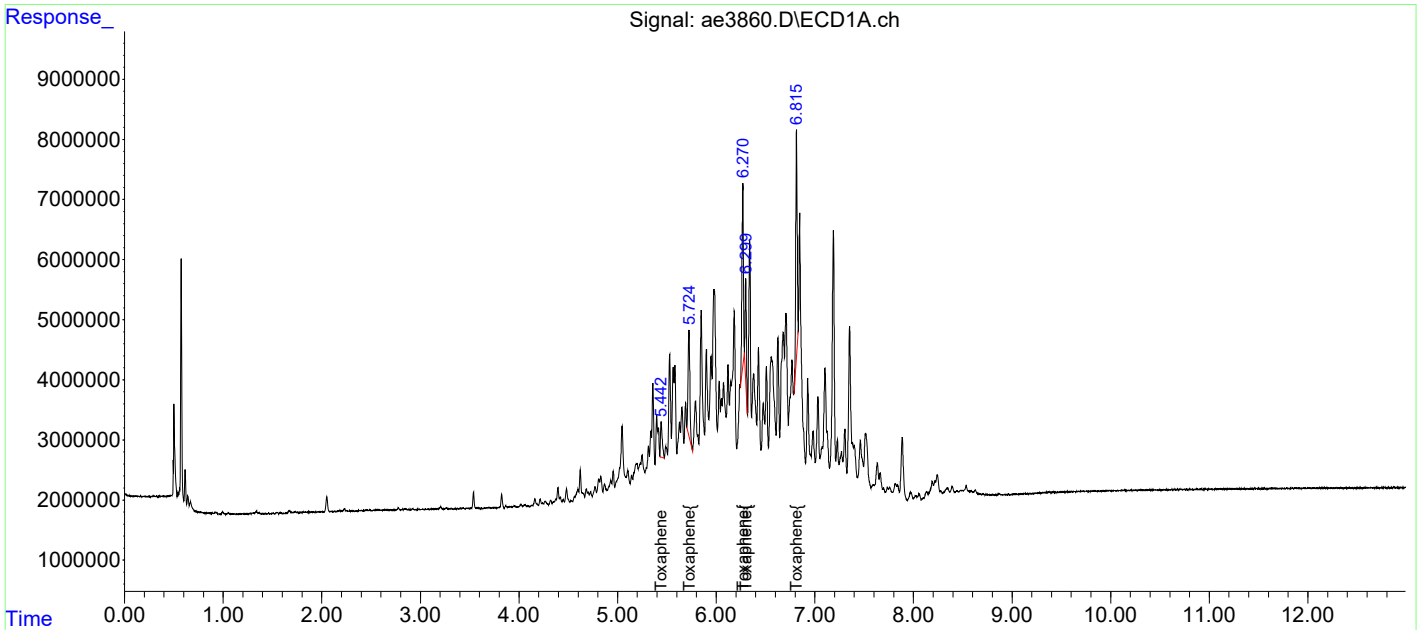
27) L8C Toxaphene	5.442	6.010	7221666	103.7E6	503.919m	519.600m
28) L8C Toxaphene{2}	5.724	6.429	22175945	261.4E6	531.275m	520.445m
29) L8C Toxaphene{3}	6.270	6.905	33594959	506.2E6	543.007m	529.277m
30) L8C Toxaphene{4}	6.299	6.989	13784771	583.0E6	545.089m	527.417m
31) L8C Toxaphene{5}	6.815	7.354	41835631	282.4E6	531.061m	524.013m
Sum Toxaphene			118.6E6	1736.7E6	2654.352	2620.753
Average Toxaphene					530.870	524.151
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

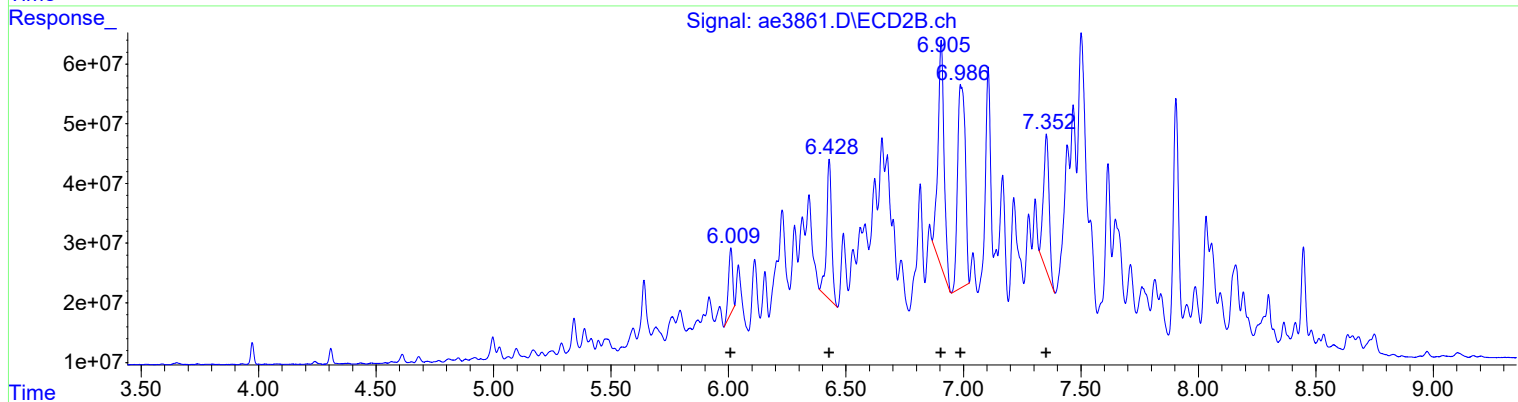
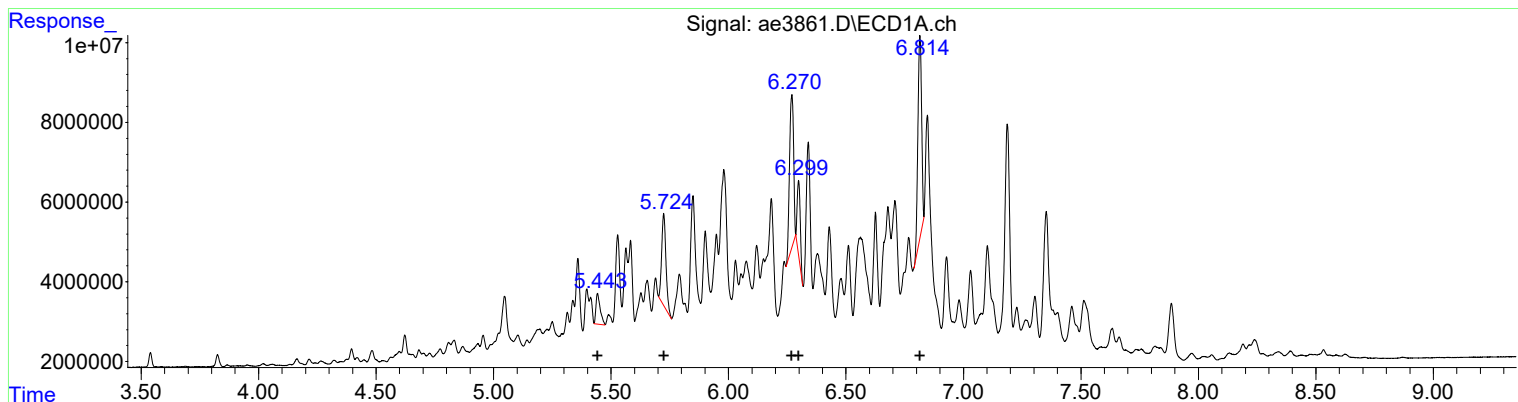
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:21 pm
Operator : a.moses
Sample : tox std 5
Misc : initial cal.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:42 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



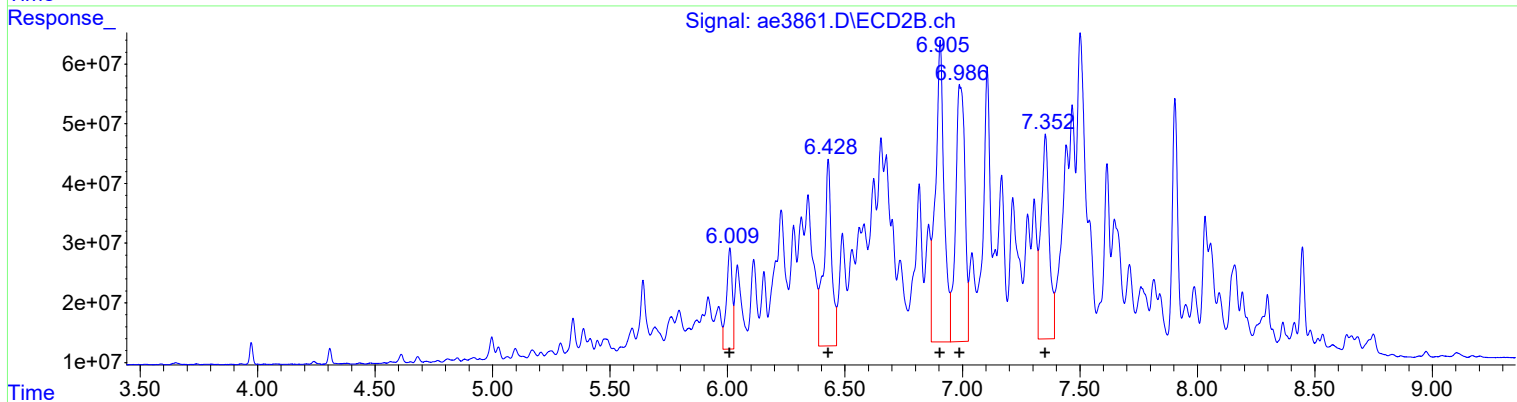
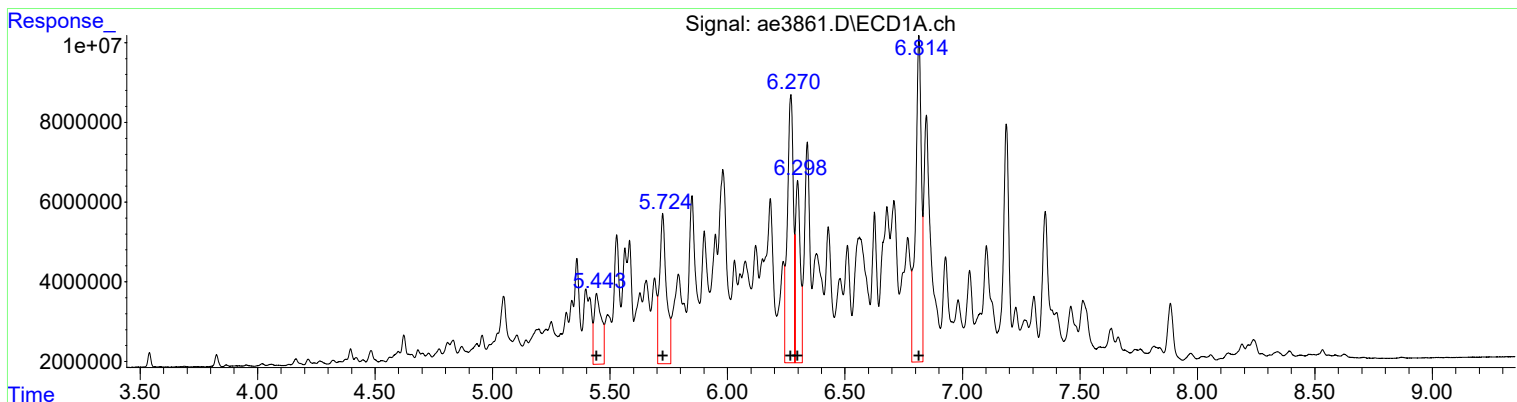
(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	9721555	678.36
5.72	29024457	695.35
6.27	46332786	748.89
6.30	17014275	672.79
6.81	56188262	713.25
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	133234860	667.70
6.43	346157022	689.22
6.91	677579110	708.45
6.99	774083244	700.24
7.35	377081159	699.70

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:21 pm
Operator : a.moses
Sample : tox std 5
Misc : initial cal.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:42 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	38070615	2656.52
5.72	76422709	1830.88
6.27	117644101	1901.52
6.30	65028239	2571.40
6.81	139095951	1765.68

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	284532230	1425.93
6.43	715603116	1424.81
6.91	1284043724	1342.55
6.99	1189911368	1076.40
7.35	832792788	1545.30

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:21 pm
 Operator : a.moses
 Sample : tox std 5
 Misc : initial cal.
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:42 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

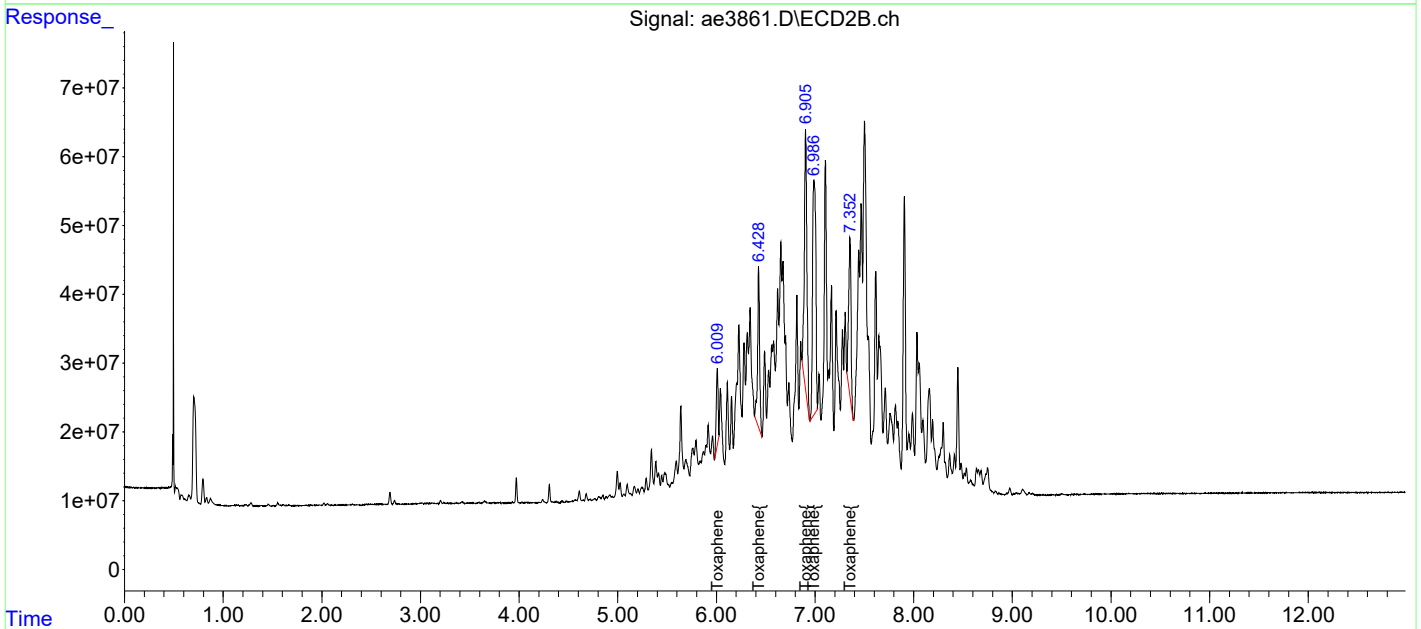
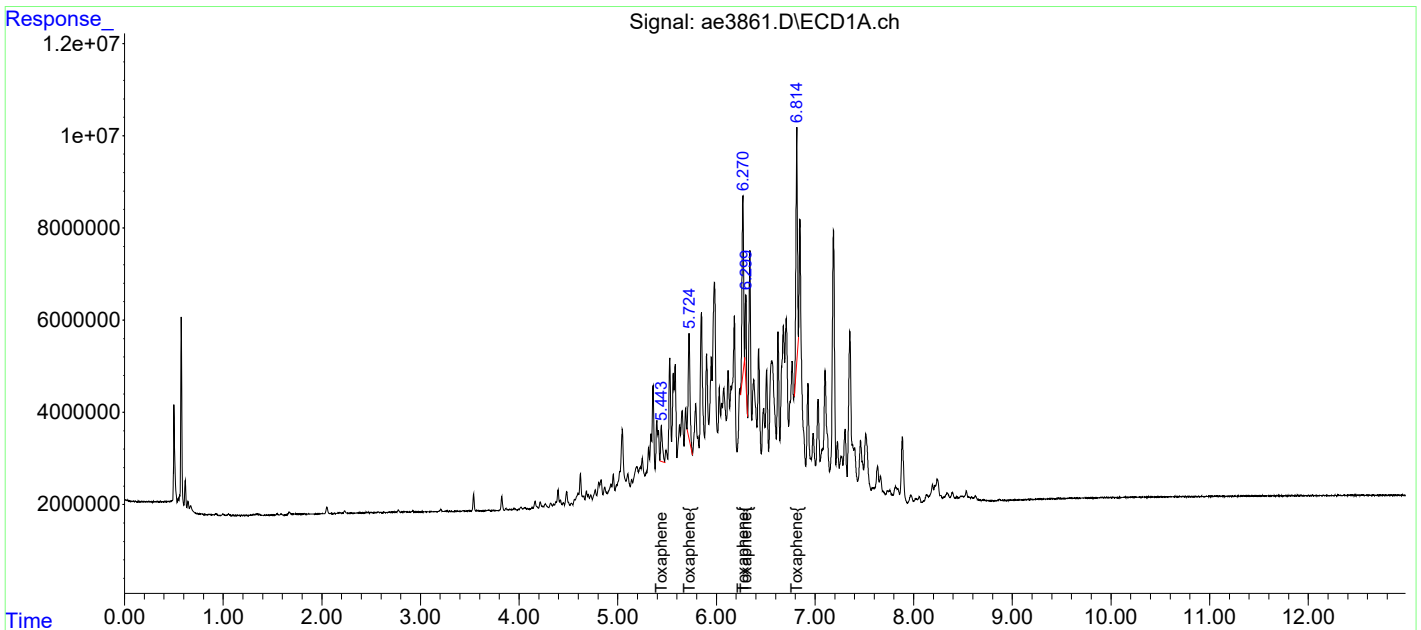
27) L8C Toxaphene	5.443	6.009	9721555	133.2E6	678.359m	667.703m
28) L8C Toxaphene{2}	5.724	6.428	29024457	346.2E6	695.346m	689.222m
29) L8C Toxaphene{3}	6.270	6.905	46332786	677.6E6	748.893m	708.454m
30) L8C Toxaphene{4}	6.299	6.986	17014275	774.1E6	672.793m	700.240m
31) L8C Toxaphene{5}	6.814	7.352	56188262	377.1E6	713.253m	699.697m
Sum Toxaphene			158.3E6	2308.1E6	3508.645	3465.315
Average Toxaphene					701.729	693.063
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:21 pm
Operator : a.moses
Sample : tox std 5
Misc : initial cal.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:42 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

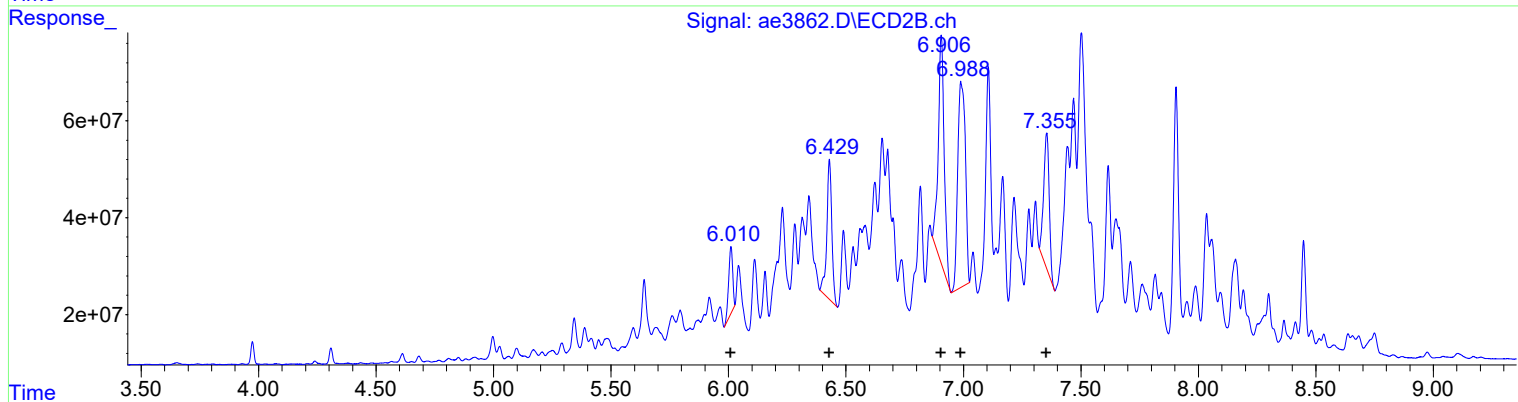
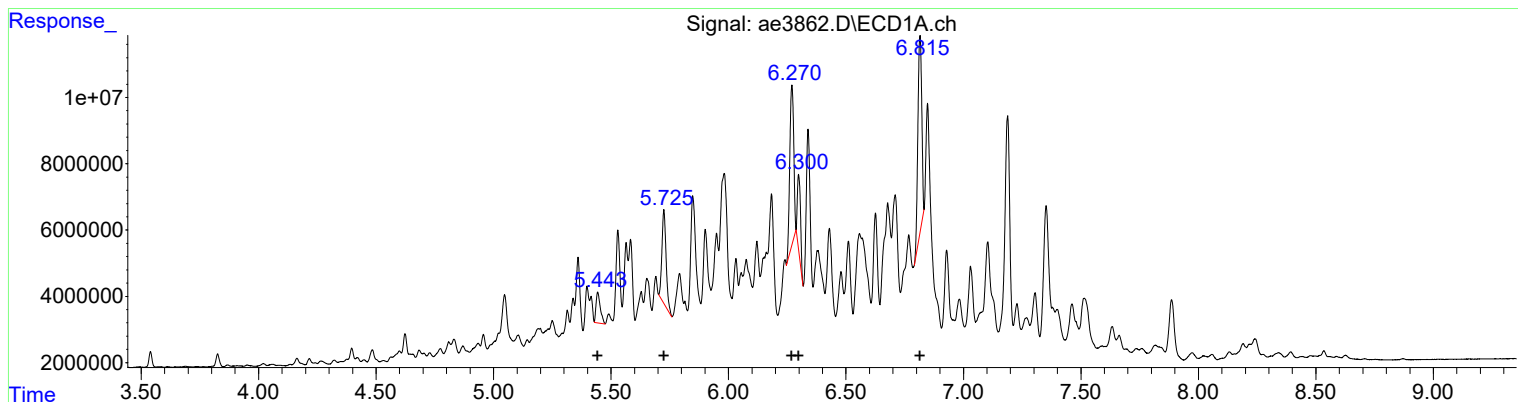
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:38 pm
Operator : a.moses
Sample : tox std 6
Misc : initial cal.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:46 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



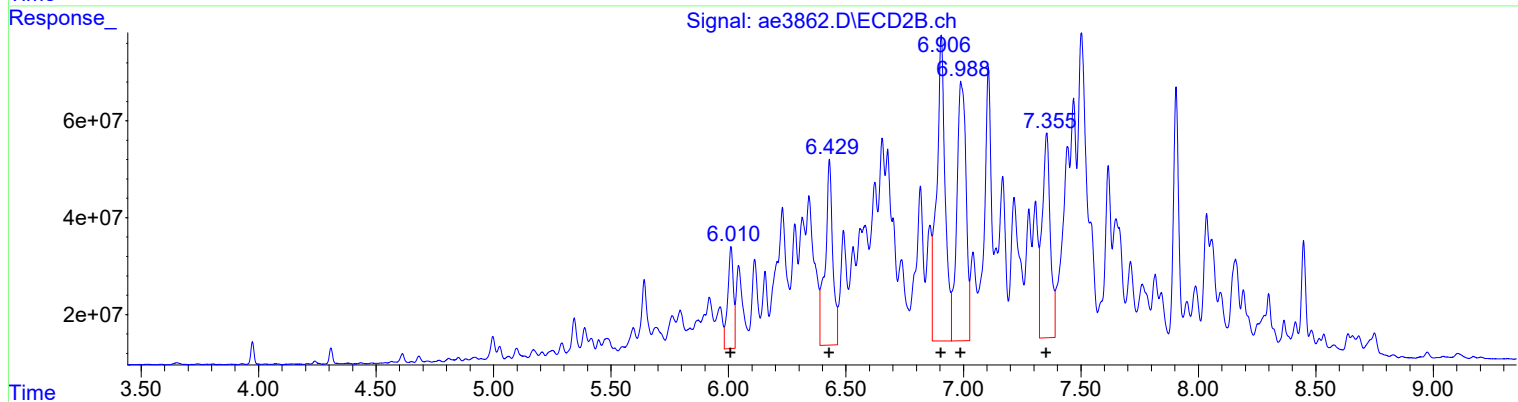
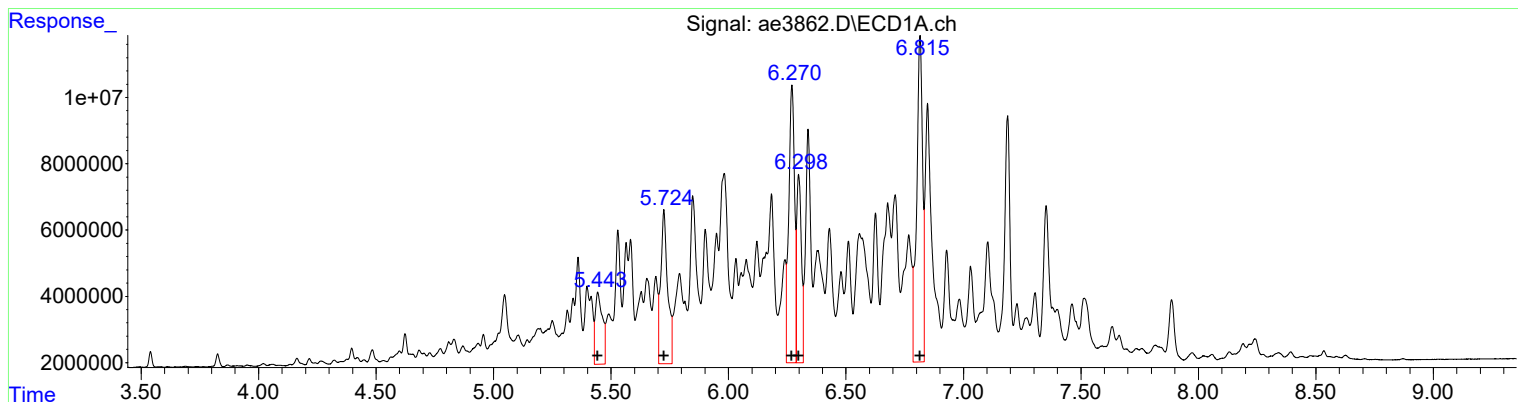
(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	11623421	811.07
5.72	34577736	828.39
6.27	56696869	916.41
6.30	21680477	857.31
6.81	68833462	873.77
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	167068330	837.26
6.43	428580873	853.33
6.91	821964224	859.42
6.99	954300149	863.27
7.36	454265249	842.92

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:38 pm
 Operator : a.moses
 Sample : tox std 6
 Misc : initial cal.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	46398805	3237.65
5.72	94962337	2275.04
6.27	142706013	2306.61
6.30	80062226	3165.89
6.81	171474740	2176.70
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	350498164	1756.51
6.43	866247436	1724.76
6.91	1600668764	1673.61
6.99	1466985339	1327.04
7.35	1018034258	1889.02

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:38 pm
 Operator : a.moses
 Sample : tox std 6
 Misc : initial cal.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

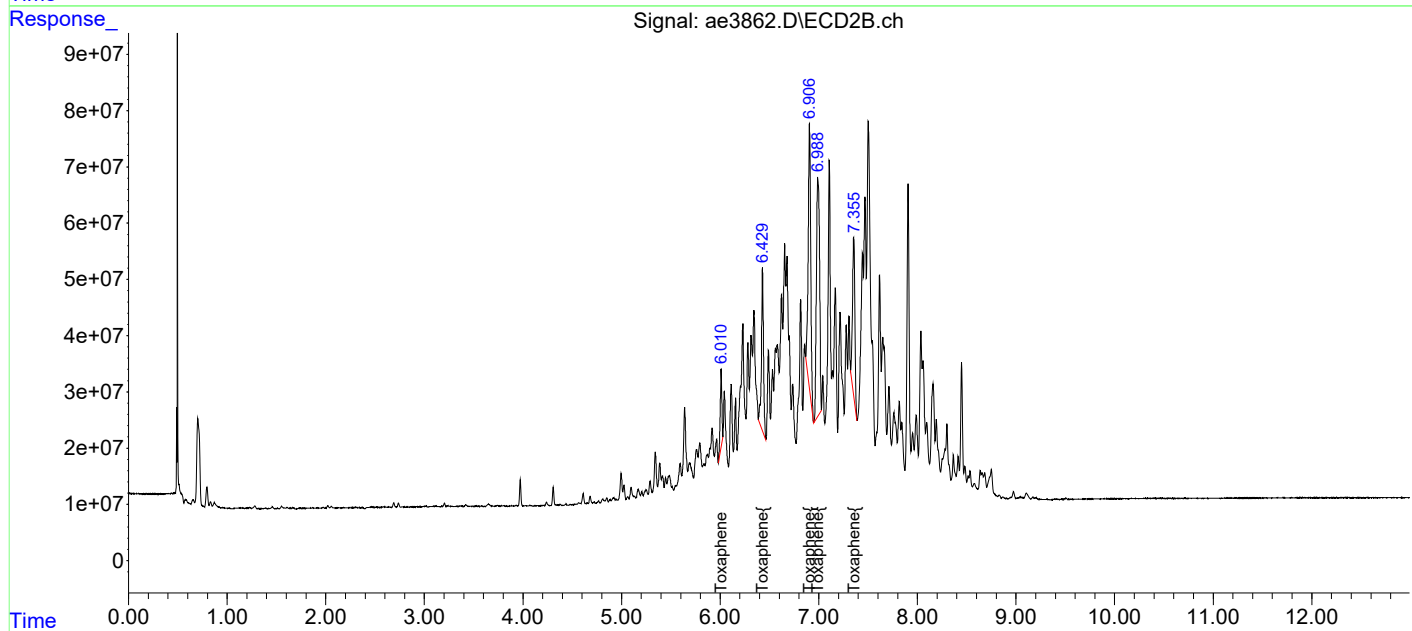
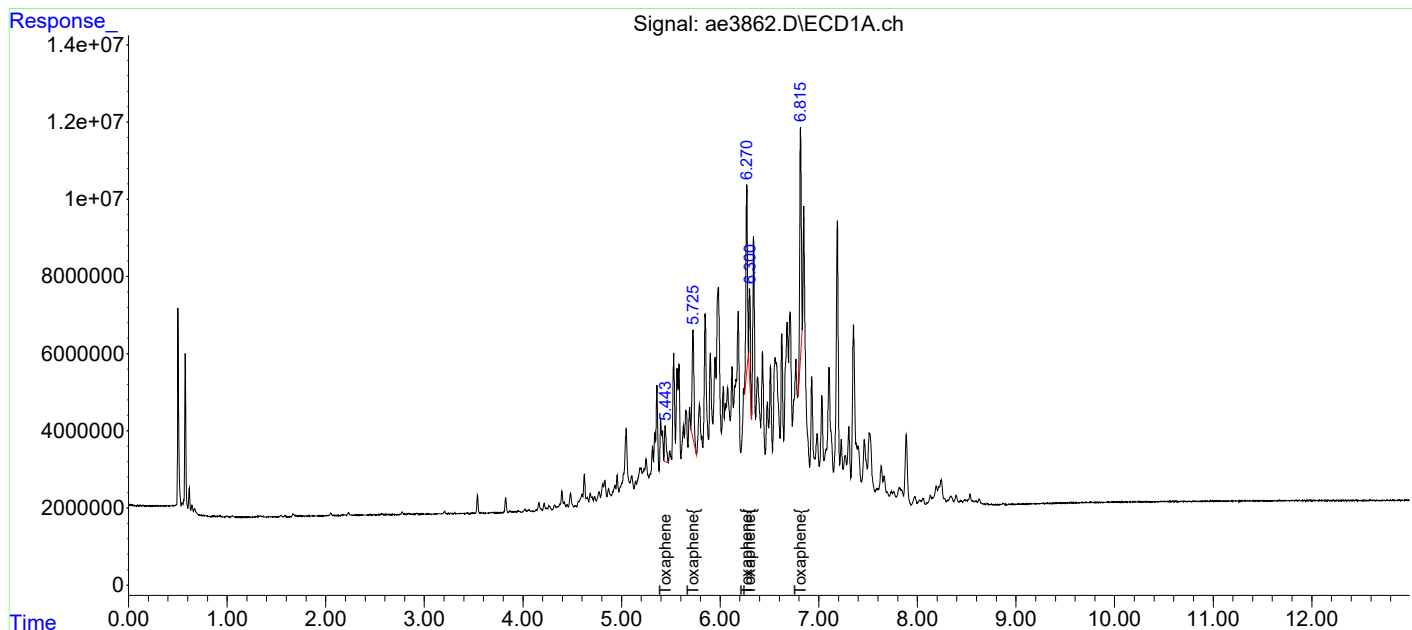
27) L8C Toxaphene	5.443	6.010	11623421	167.1E6	811.069m	837.259m
28) L8C Toxaphene{2}	5.725	6.429	34577736	428.6E6	828.388m	853.333m
29) L8C Toxaphene{3}	6.270	6.906	56696869	822.0E6	916.412m	859.418m
30) L8C Toxaphene{4}	6.300	6.988	21680477	954.3E6	857.308m	863.265m
31) L8C Toxaphene{5}	6.815	7.355	68833462	454.3E6	873.772m	842.916m
Sum Toxaphene			193.4E6	2826.2E6	4286.948	4256.191
Average Toxaphene					857.390	851.238
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:38 pm
Operator : a.moses
Sample : tox std 6
Misc : initial cal.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:46 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

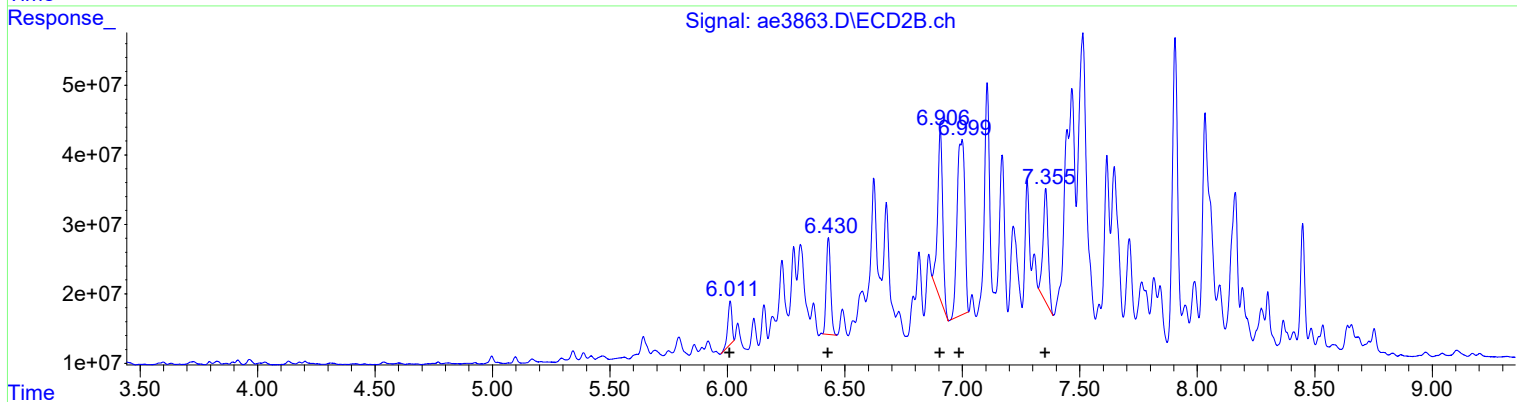
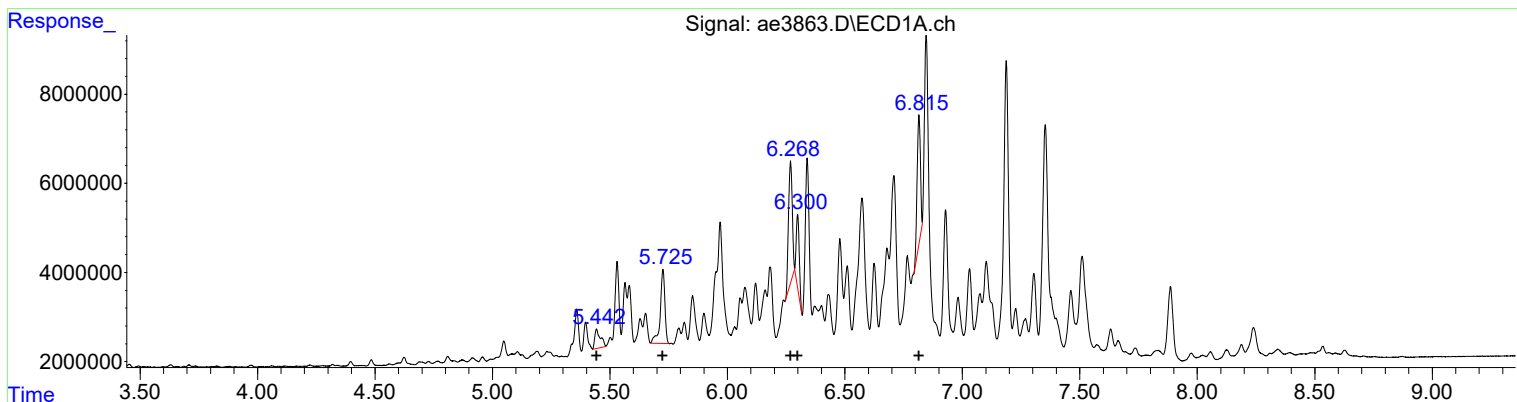
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:56 pm
 Operator : a.moses
 Sample : tox icv
 Misc : initial cal.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:57:18 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:56:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

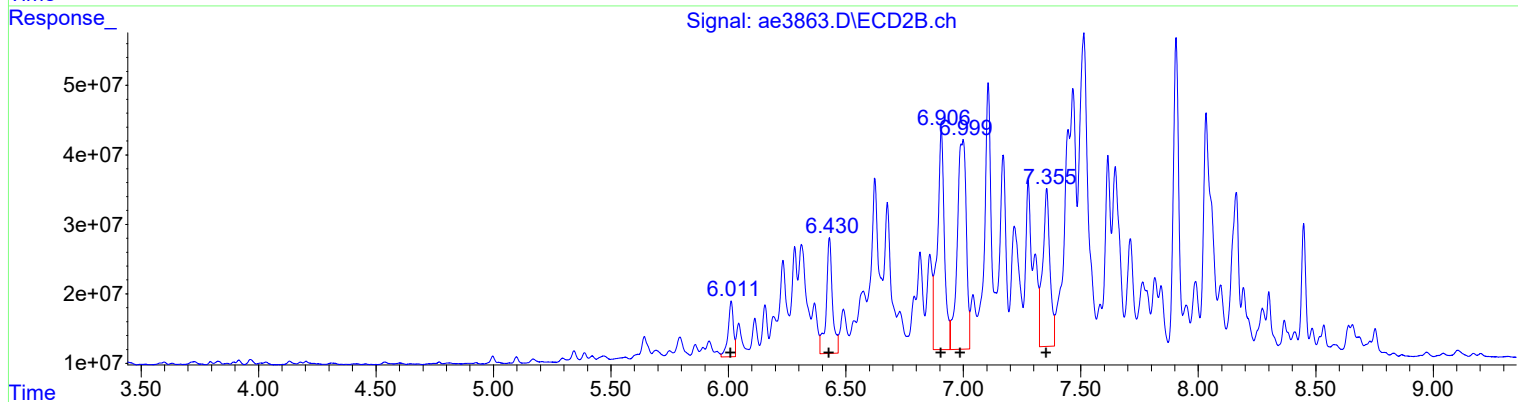
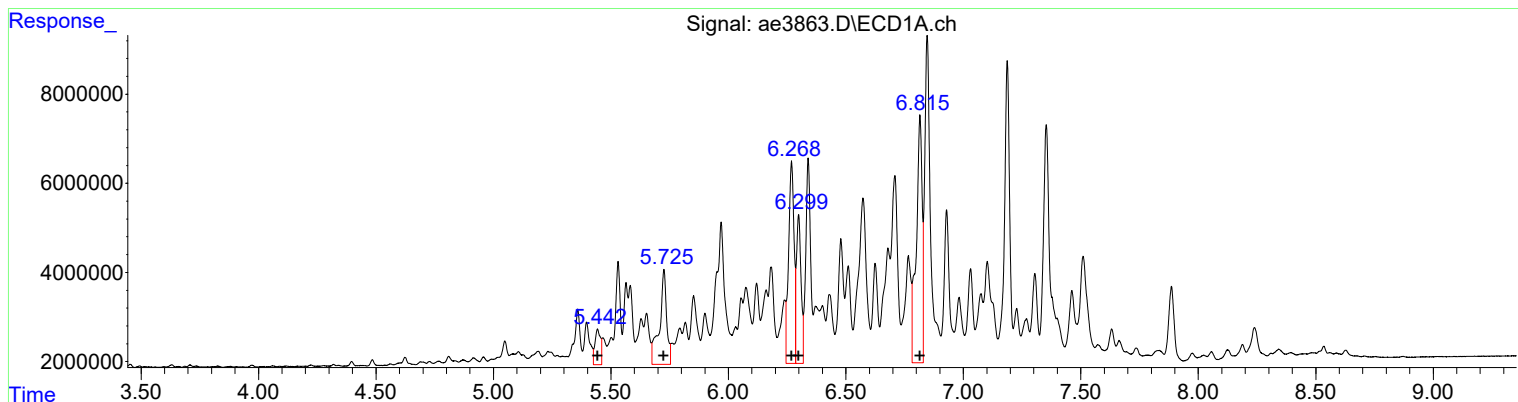
(27) Toxaphene (L8C)	
R.T. Response Conc	
5.44 7244480 533.28	
5.73 22755118 576.27	
6.27 30426123 500.32	
6.30 14753032 615.45	
6.81 28179381 372.35	
(27) Toxaphene #2 (L8C)	
R.T. Response Conc	
6.01 76668384 404.84	
6.43 179658676 378.32	
6.91 361501495 394.45	
7.00 575556516 541.71	
7.36 244918497 475.48	

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:56 pm
Operator : a.moses
Sample : tox icv
Misc : initial cal.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:57:18 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:56:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	13140545	967.29
5.73	44805154	1134.68
6.27	73992304	1216.72
6.30	45111395	1881.89
6.82	96718213	1278.00
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	125137257	660.78
6.43	307055327	646.58
6.91	670961169	732.12
7.00	812486541	764.71
7.35	489449726	950.21

Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:56 pm
 Operator : a.moses
 Sample : tox icv
 Misc : initial cal.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:57:18 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:56:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

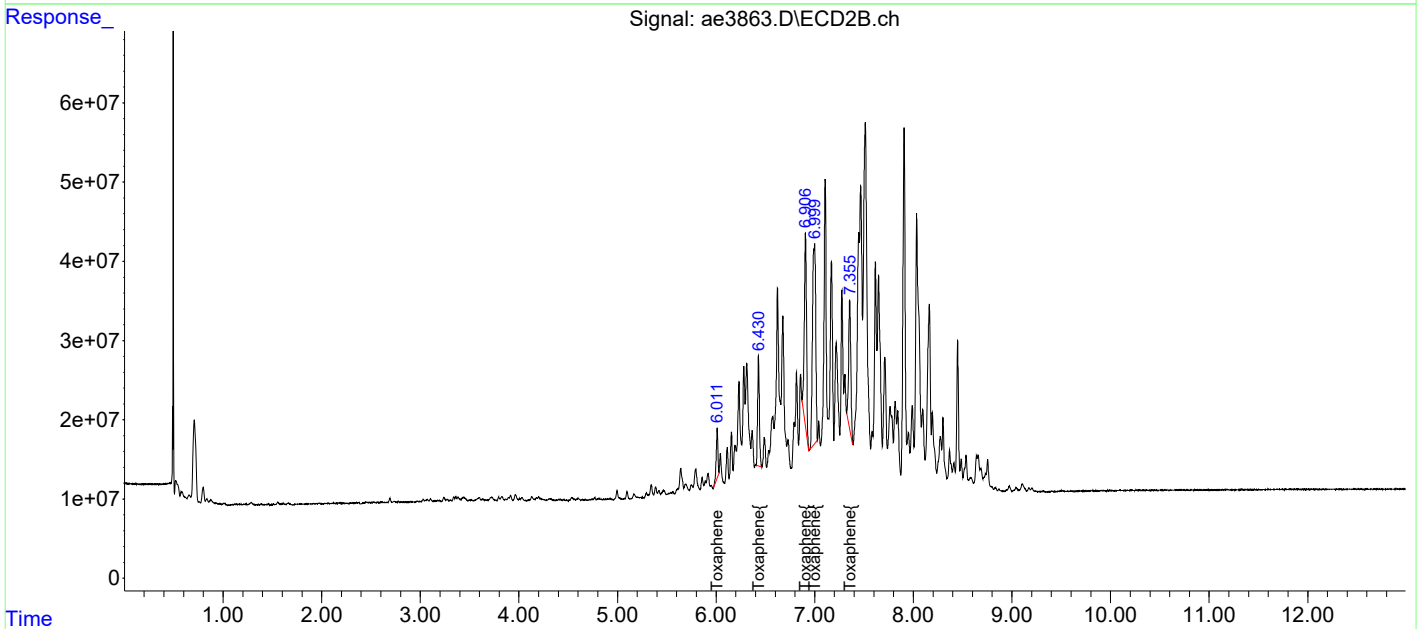
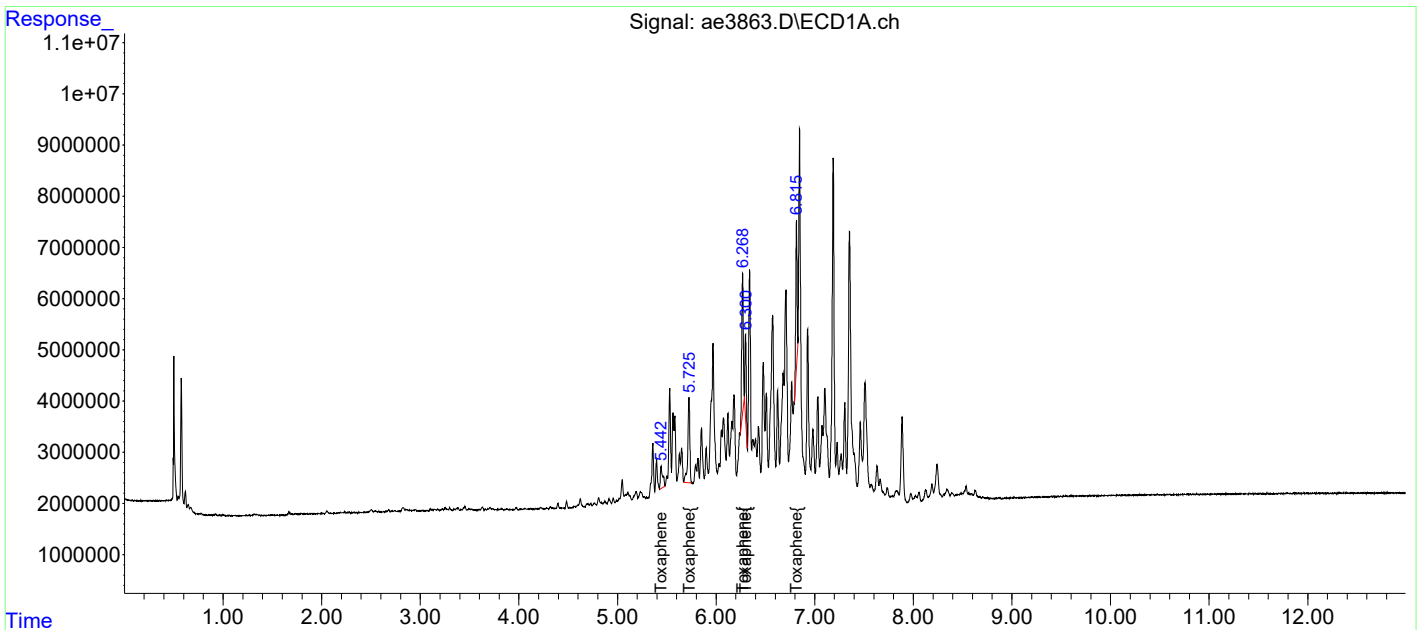
Target Compounds					104%	88%
27) L8C Toxaphene	5.442	6.011	7244480	76668384	533.276m	404.843m
28) L8C Toxaphene{2}	5.725	6.430	22755118	179.7E6	576.266m	378.318m#
29) L8C Toxaphene{3}	6.268	6.906	30426123	361.5E6	500.323m	394.453m
30) L8C Toxaphene{4}	6.300	6.999	14753032	575.6E6	615.446m	541.713m
31) L8C Toxaphene{5}	6.815	7.355	28179381	244.9E6	372.353m	475.481m#
Sum Toxaphene			103.4E6	1438.3E6	2597.664	2194.808
Average Toxaphene					519.533	438.962
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:56 pm
 Operator : a.moses
 Sample : tox icv
 Misc : initial cal.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:57:18 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:56:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3871.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:17 pm
Operator : a.moses
Sample : k/f std 1
Misc : initial cal.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:04 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound RT#1 RT#2 Resp#1 Resp#2 ug/l ug/l

System Monitoring Compounds

Target Compounds

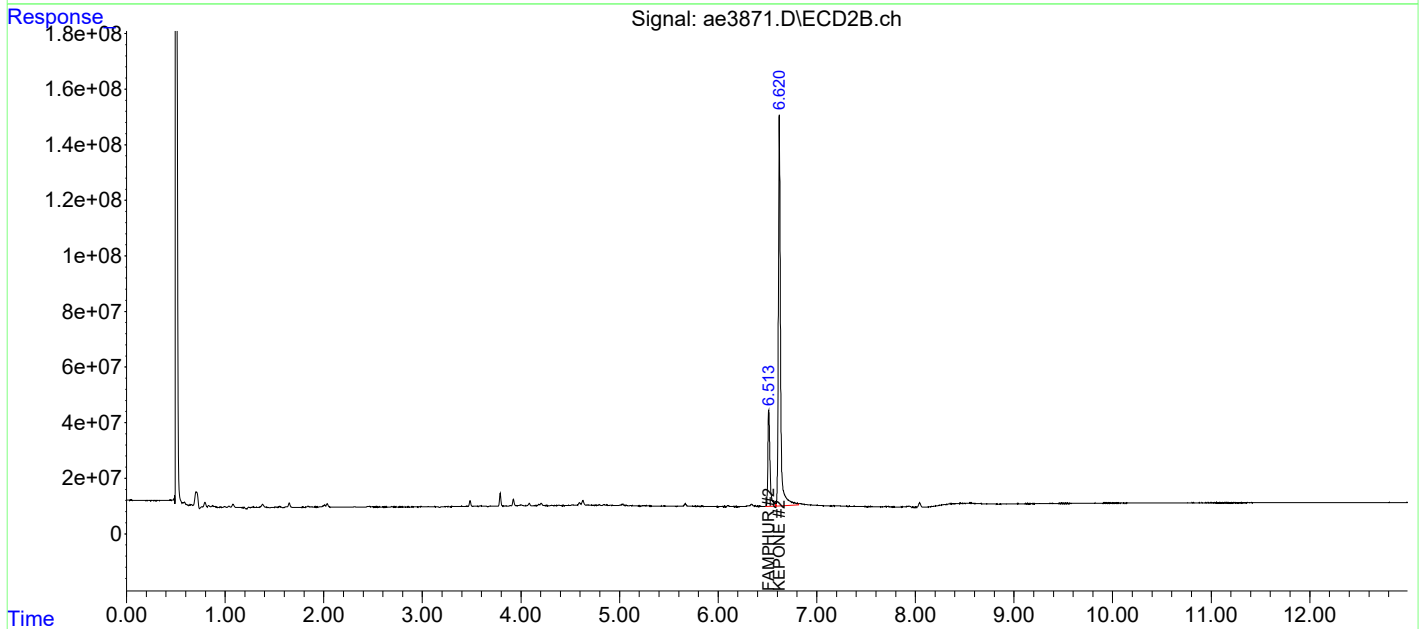
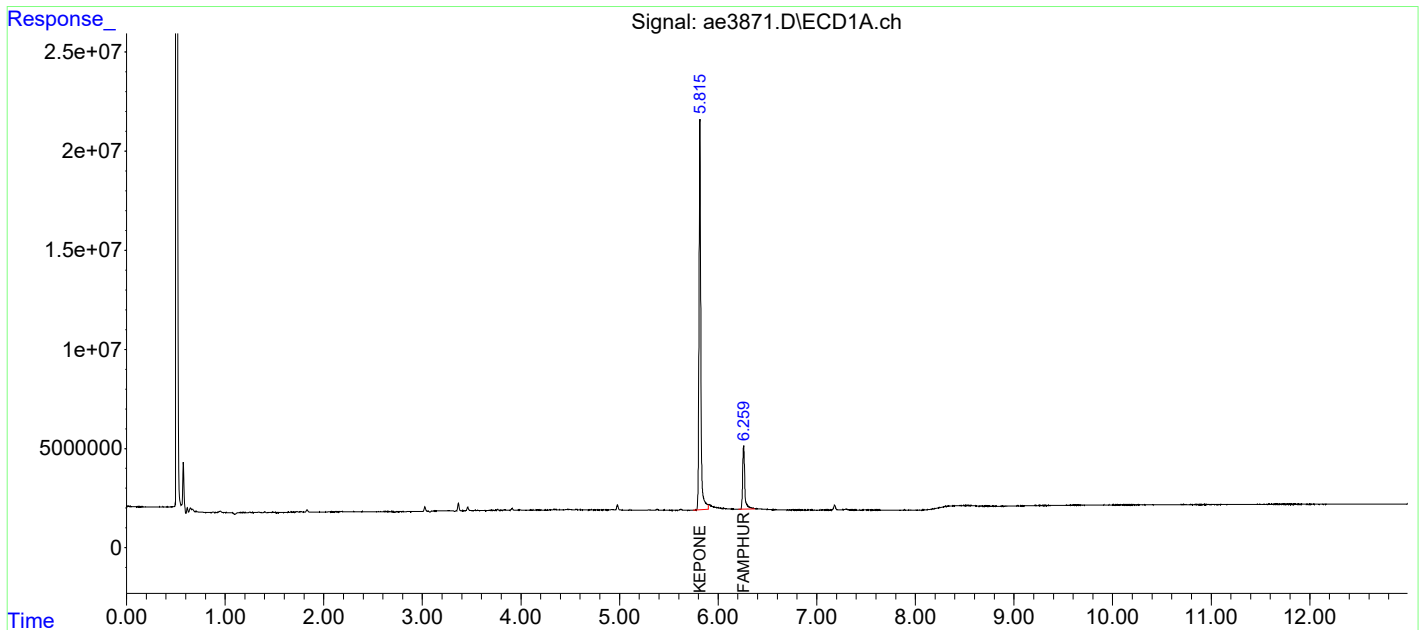
16) tc	KEPONE	5.815	6.620	259.1E6	2211.0E6	107.077	87.407
23) tc	FAMPHUR	6.259	6.514	47145350	522.1E6	16.334	15.214
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000
	Sum Dechlorane			0	0	N.D.	N.D.
	Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3871.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:17 pm
Operator : a.moses
Sample : k/f std 1
Misc : initial cal.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:04 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:34 pm
Operator : a.moses
Sample : k/f std 2
Misc : initial cal.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:08 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound RT#1 RT#2 Resp#1 Resp#2 ug/l ug/l

System Monitoring Compounds

Target Compounds

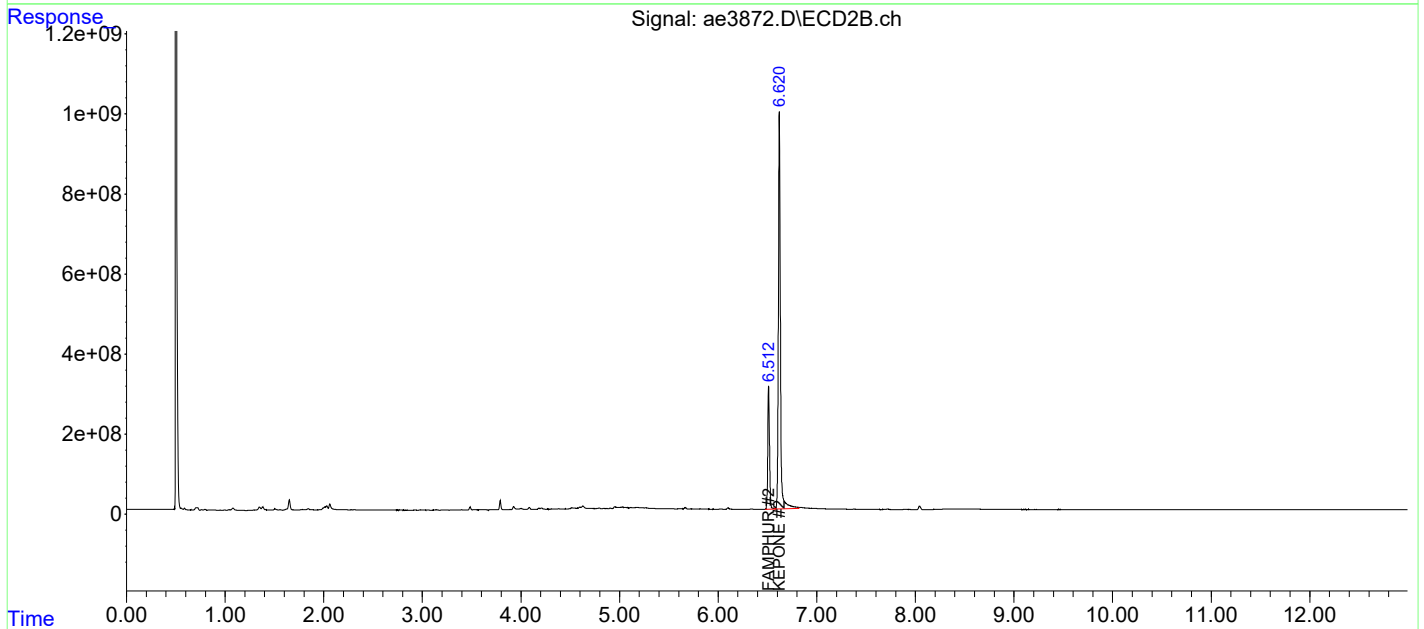
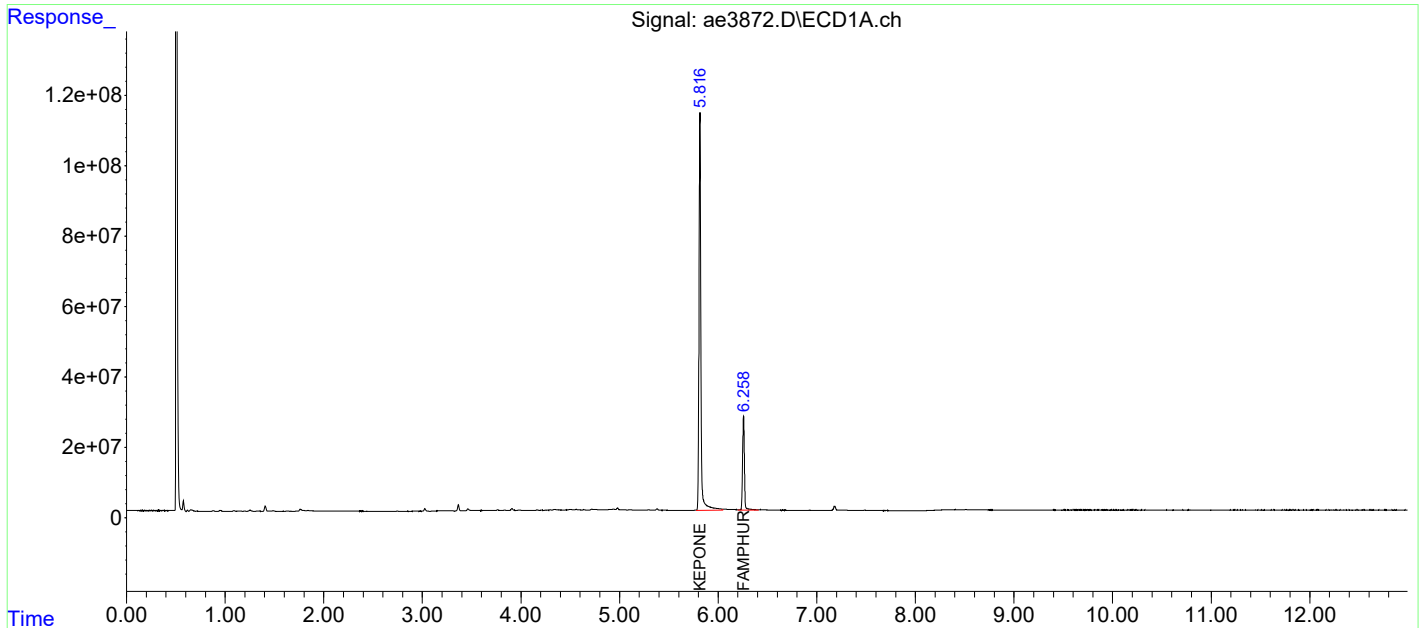
16) tc	KEPONE	5.816	6.621	1528.1E6	14872.2E6	631.483	587.935
23) tc	FAMPHUR	6.258	6.512	333.7E6	3803.6E6	115.615	110.823
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000
	Sum Dechlorane			0	0	N.D.	N.D.
	Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:34 pm
Operator : a.moses
Sample : k/f std 2
Misc : initial cal.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:08 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3873.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 09:52 pm
 Operator : a.moses
 Sample : k/f std 3
 Misc : initial cal.
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

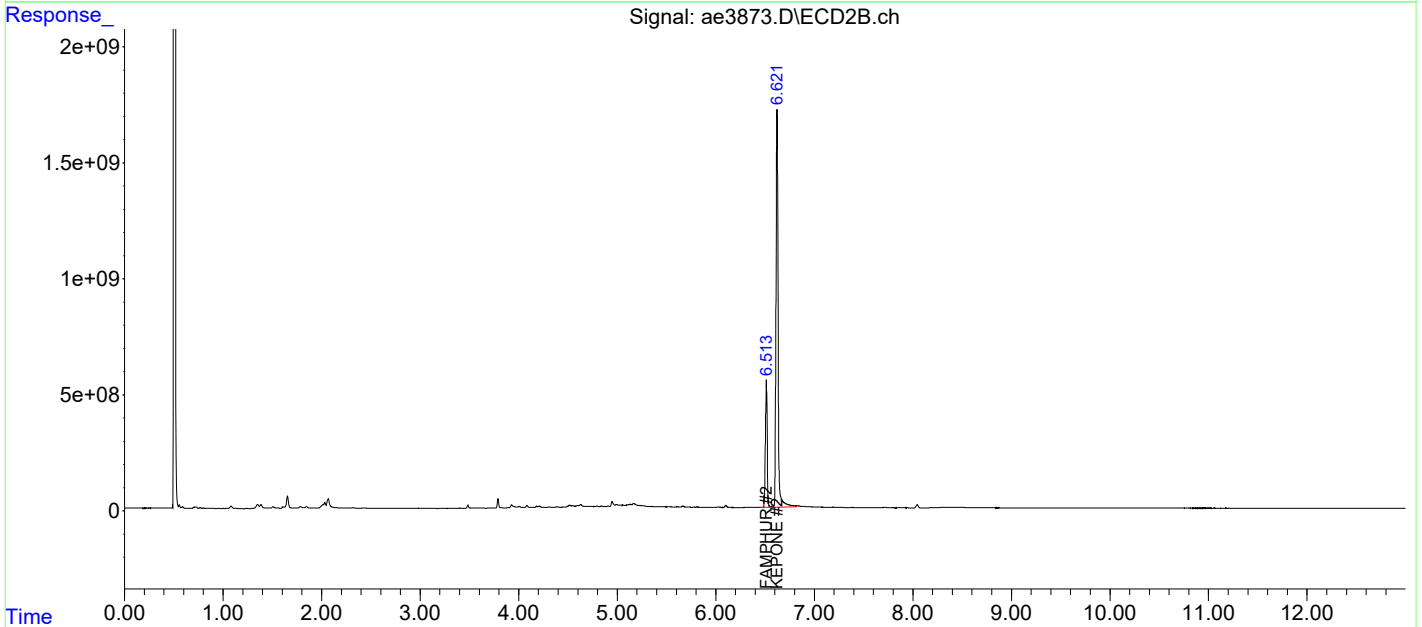
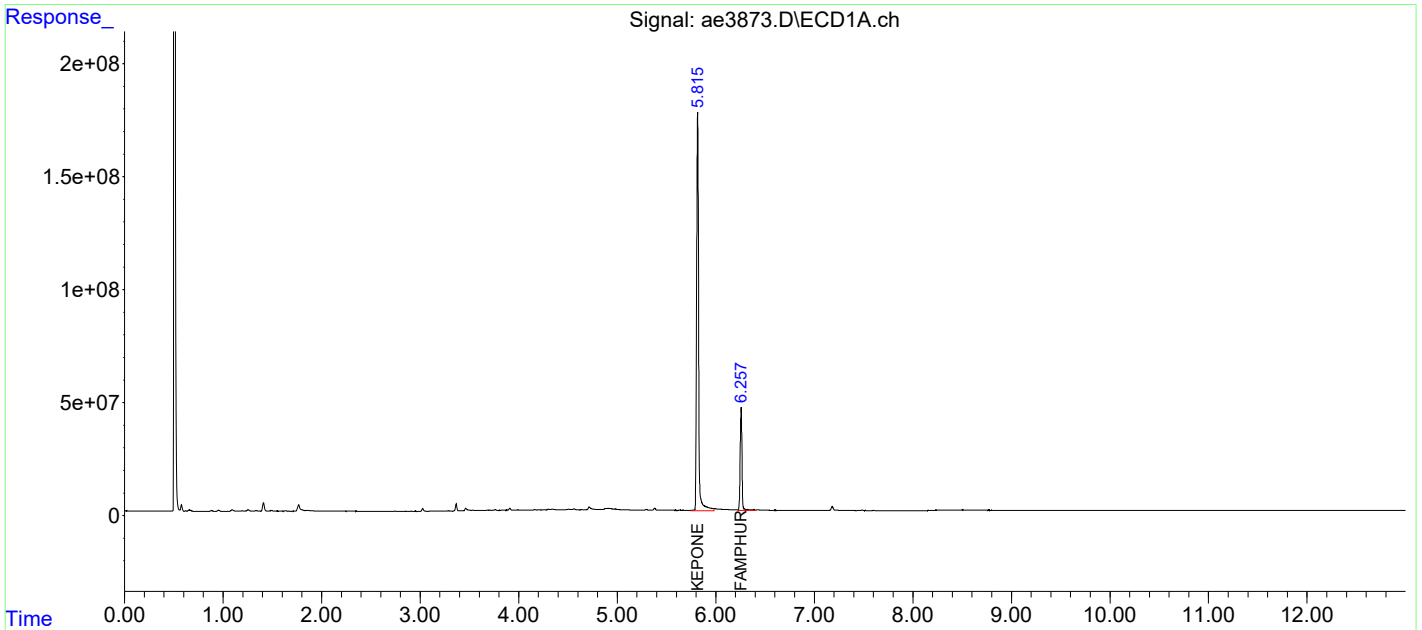
16) tc KEPONE	5.816	6.621	2419.9E6	25295.6E6	1000.000	1000.000
23) tc FAMPHUR	6.257	6.513	577.3E6	6864.2E6	200.000	200.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3873.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:52 pm
Operator : a.moses
Sample : k/f std 3
Misc : initial cal.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3874.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:09 pm
 Operator : a.moses
 Sample : k/f std 4
 Misc : initial cal.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:16 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

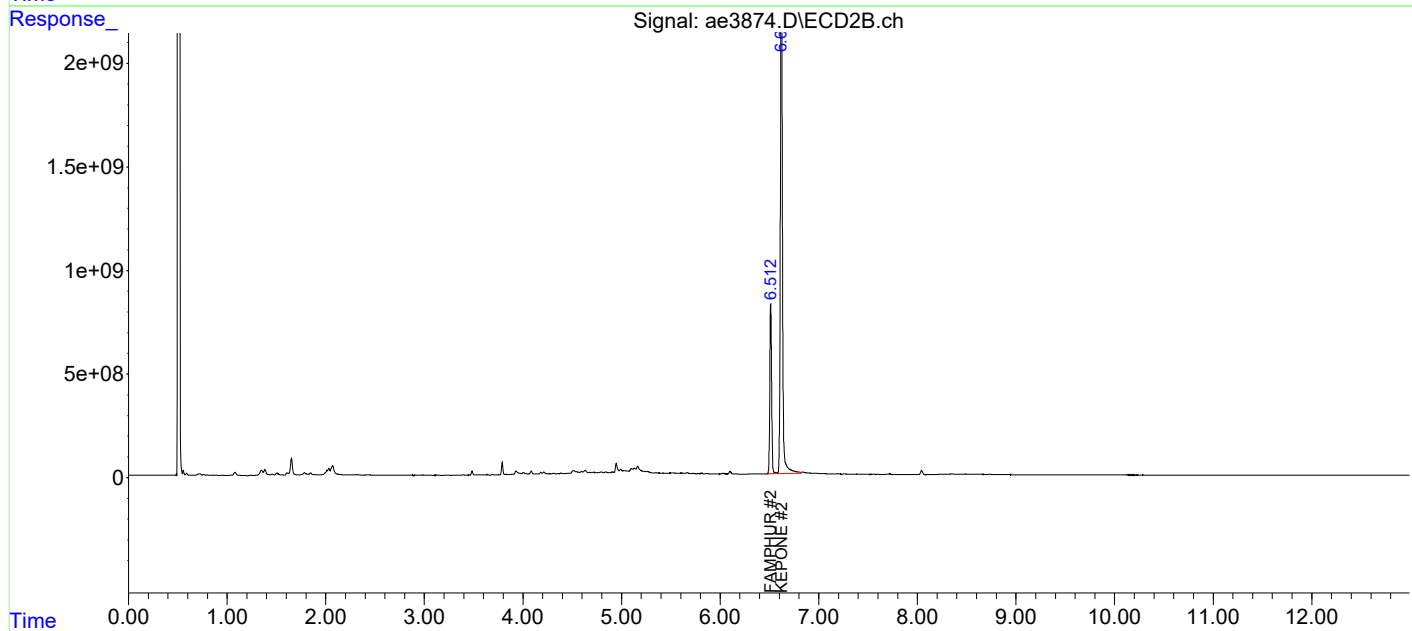
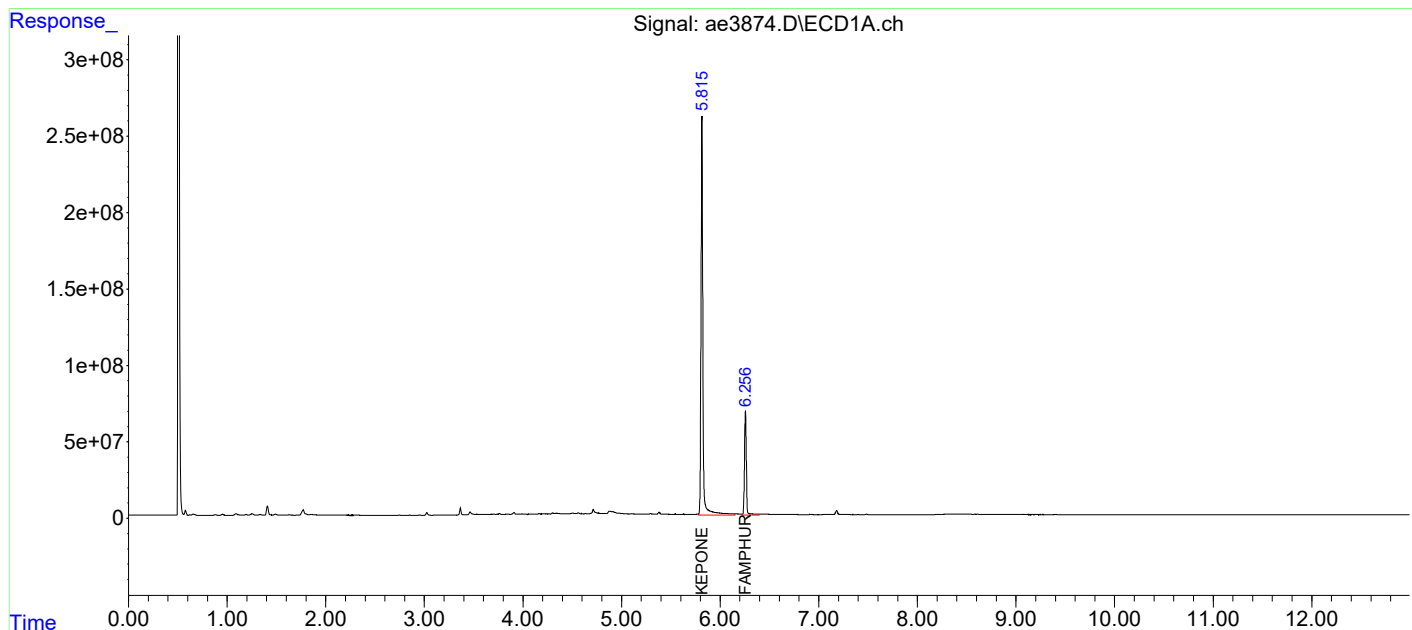
16) tc KEPONE	5.815	6.621	3611.8E6	36085.3E6	1492.518	1426.547
23) tc FAMPHUR	6.256	6.513	864.2E6	10508.3E6	299.415	306.177
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:09 pm
Operator : a.moses
Sample : k/f std 4
Misc : initial cal.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:16 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3875.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:27 pm
 Operator : a.moses
 Sample : k/f std 5
 Misc : initial cal.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:20 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

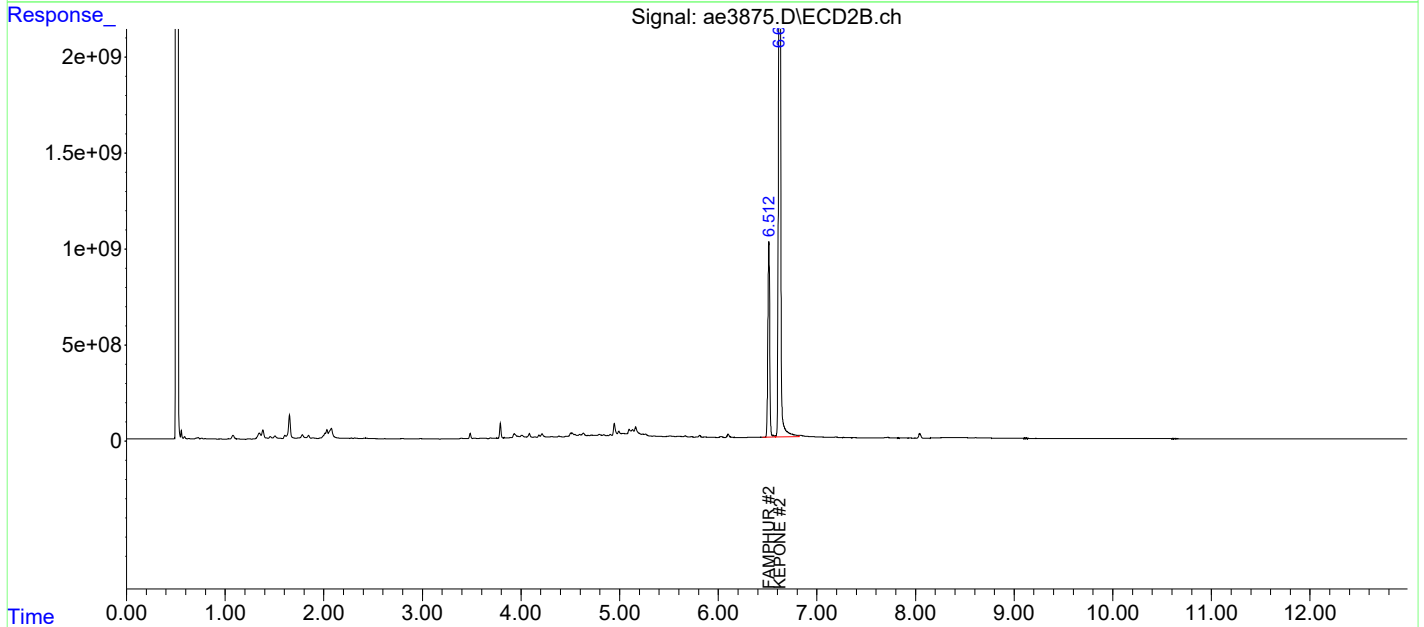
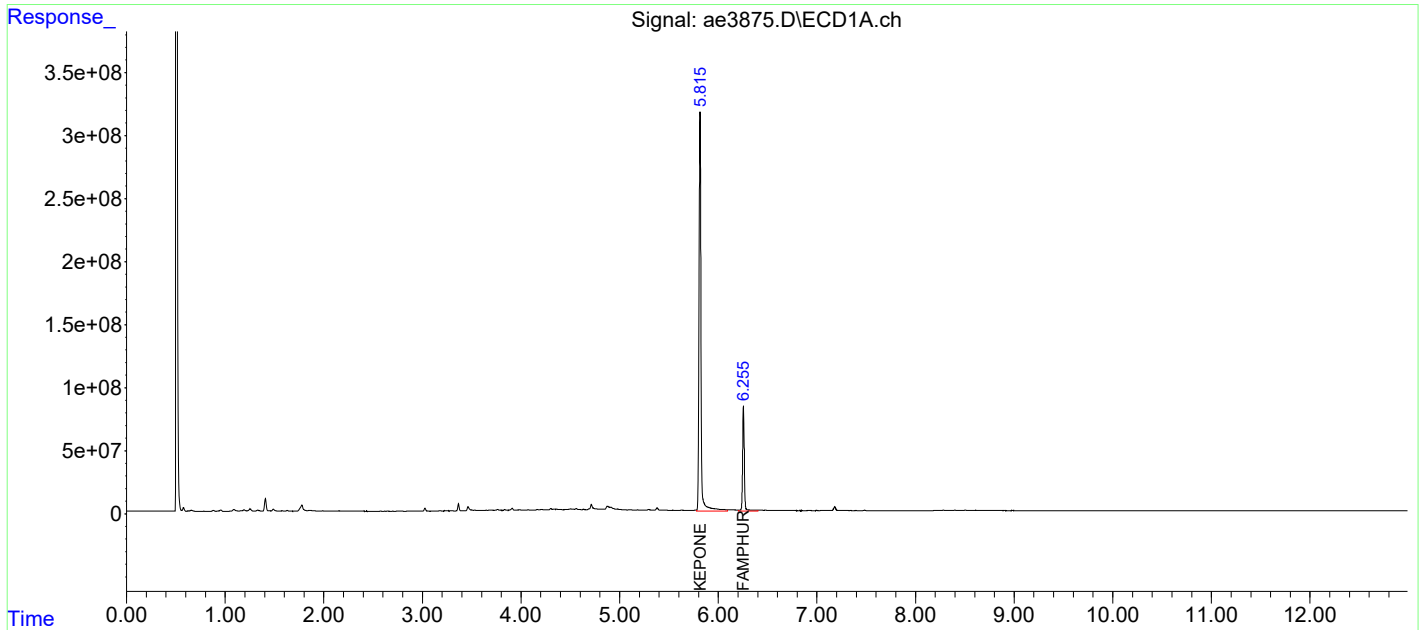
16) tc KEPONE	5.815	6.626	4361.7E6	40477.6E6	1802.383	1600.183
23) tc FAMPHUR	6.256	6.513	1062.9E6	13216.3E6	368.263	385.078
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:27 pm
Operator : a.moses
Sample : k/f std 5
Misc : initial cal.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:20 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3876.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:44 pm
 Operator : a.moses
 Sample : k/f std 6
 Misc : initial cal.
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:24 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

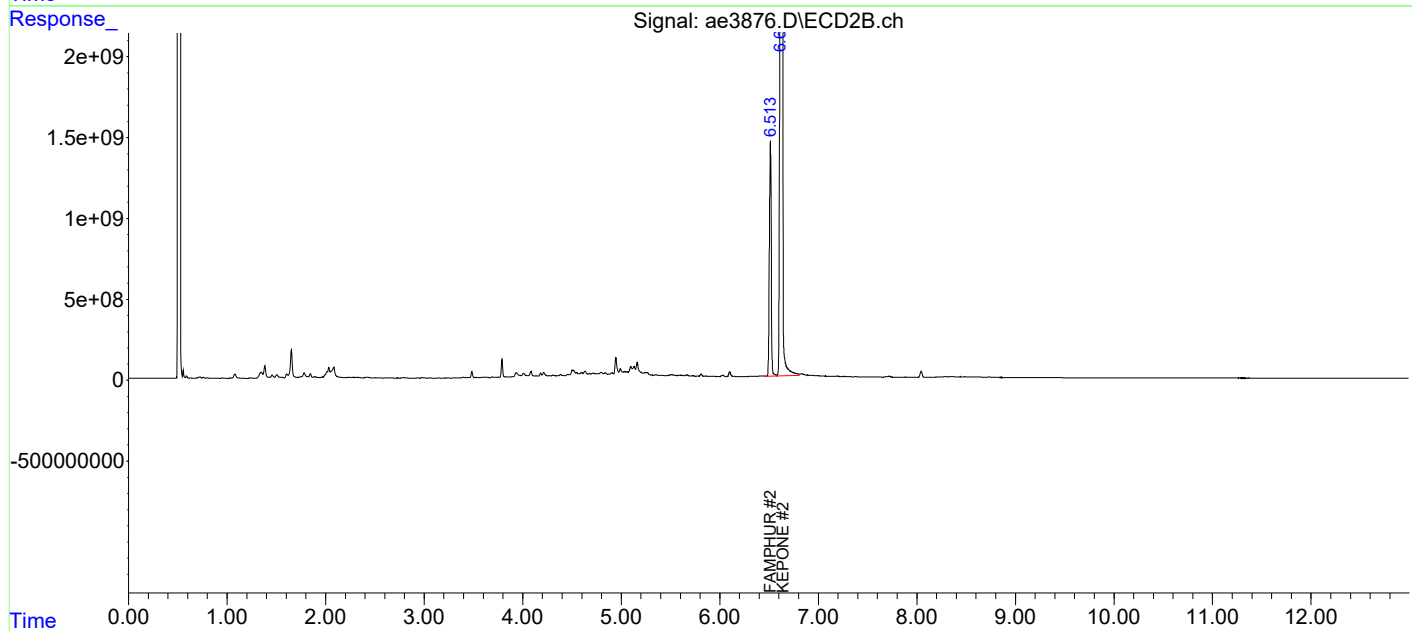
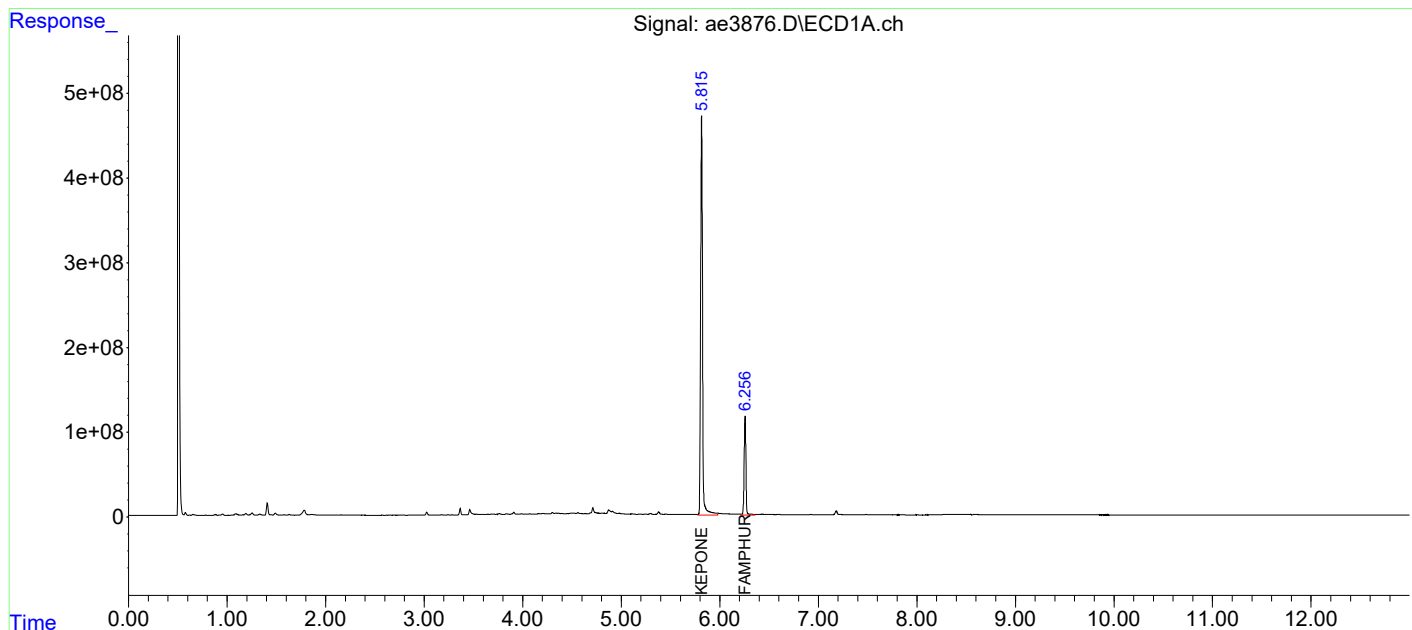
16) tc KEPONE	5.815	6.638	6175.3E6	53822.3E6	2551.847	2127.736
23) tc FAMPHUR	6.257	6.513	1446.9E6	18865.9E6	501.293	549.690
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:44 pm
Operator : a.moses
Sample : k/f std 6
Misc : initial cal.
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:24 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
16 tc KEPONE	1500.000	1223.518	18.4#	85	0.00
23 tc FAMPHUR	300.000	314.805	-4.9	103	0.00

Signal #2

16 tc KEPONE	1500.000	1403.494	6.4	93	0.00
23 tc FAMPHUR	300.000	337.041	-12.3	109	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLOROBENZENE	10.000	0.000	100.0#	0	-3.46#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.54#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-3.83#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.12#
6 tcm Aldrin	10.000	0.000	100.0#	0	-4.37#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.01#
8 TC delta-BHC	10.000	0.000	100.0#	0	-4.24#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-4.81#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.15#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.01#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.10#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.26#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-5.41#
15 tcm Endrin	10.000	0.000	100.0#	0	-5.71#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-5.96#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-5.80#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.07#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.18#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.39#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-6.77#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.03#
25 tc Mirex	10.000	0.000	100.0#	0	-7.18#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.30#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-6.81#
32 L9C Chlordane	100.000	0.000	100.0#	0	-3.97#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.12#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-4.48#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.10#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.99#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-10.57#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-10.96#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-4.04#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.97#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-4.24#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.75#
6 tcm Aldrin	10.000	0.000	100.0#	0	-5.04#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.45#
8 tc delta-BHC	10.000	0.000	100.0#	0	-4.68#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-5.43#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.83#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.73#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.78#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.90#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-6.08#
15 tcm Endrin	10.000	0.000	100.0#	0	-6.32#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-6.58#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-6.42#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.75#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.69#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.99#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-7.21#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.47#
25 tc Mirex	10.000	0.000	100.0#	0	-8.04#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-7.35#
32 L9C Chlordane	100.000	0.000	100.0#	0	-4.57#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.75#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-5.04#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.46#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.82#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-12.01#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 69

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

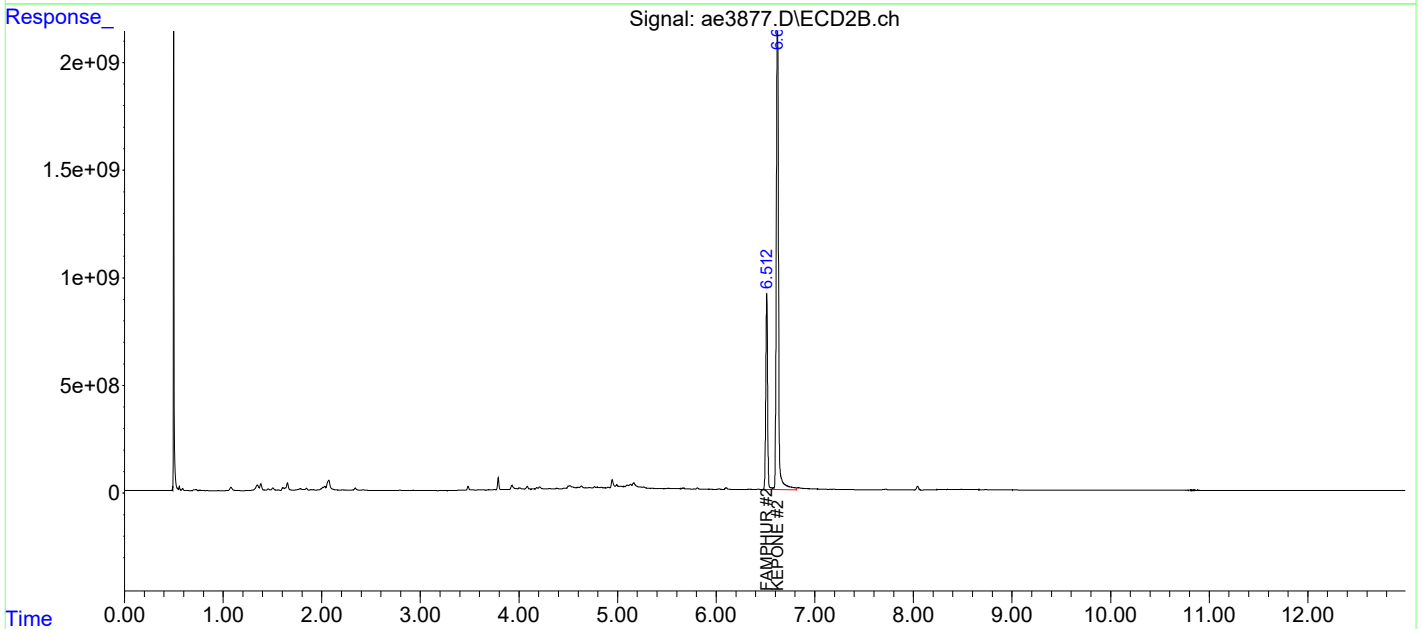
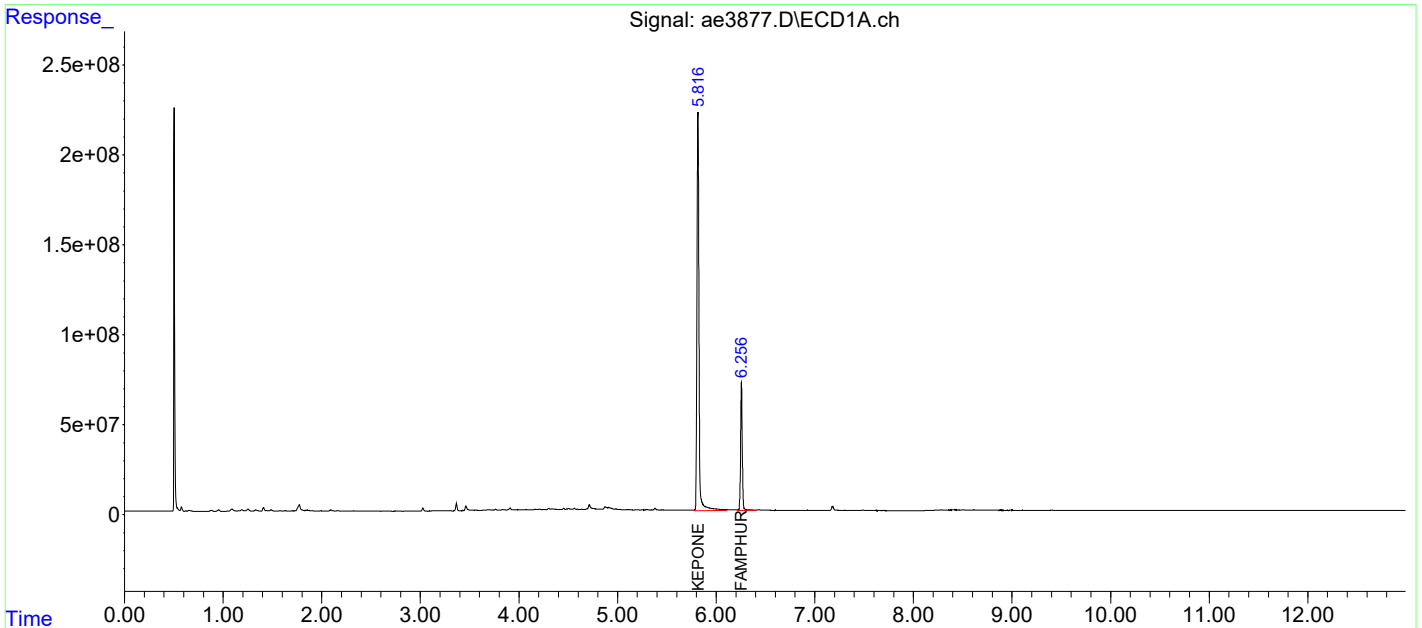
16) tc KEPONE	5.816	6.621	3084.5E6	33444.0E6	1223.518	1403.494
23) tc FAMPHUR	6.256	6.512	892.6E6	11474.2E6	314.805	337.041
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3877.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 11:02 pm
Operator : a.moses
Sample : k/f icv
Misc : initial cal.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:10:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

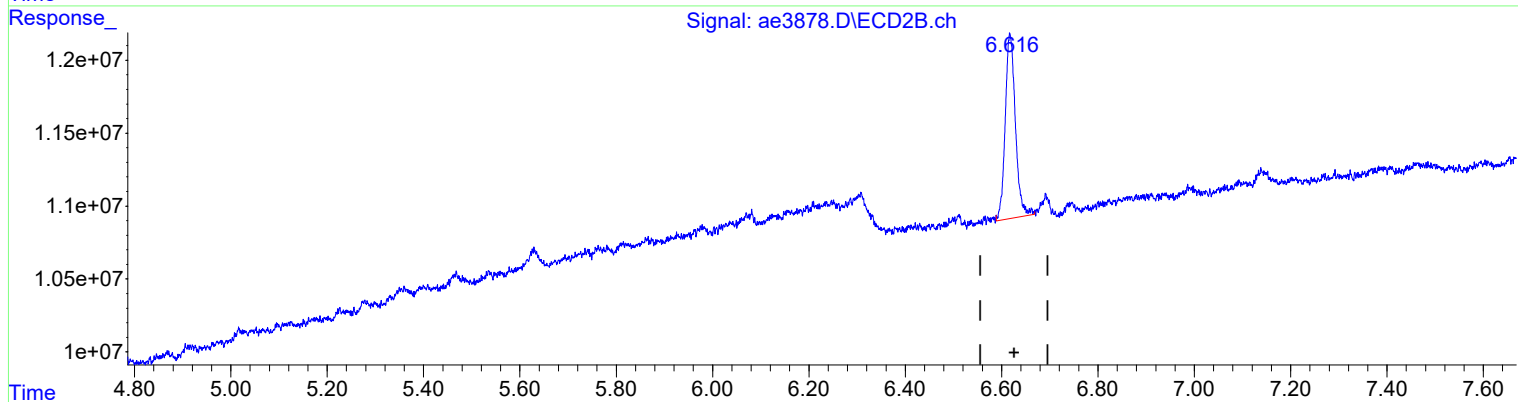
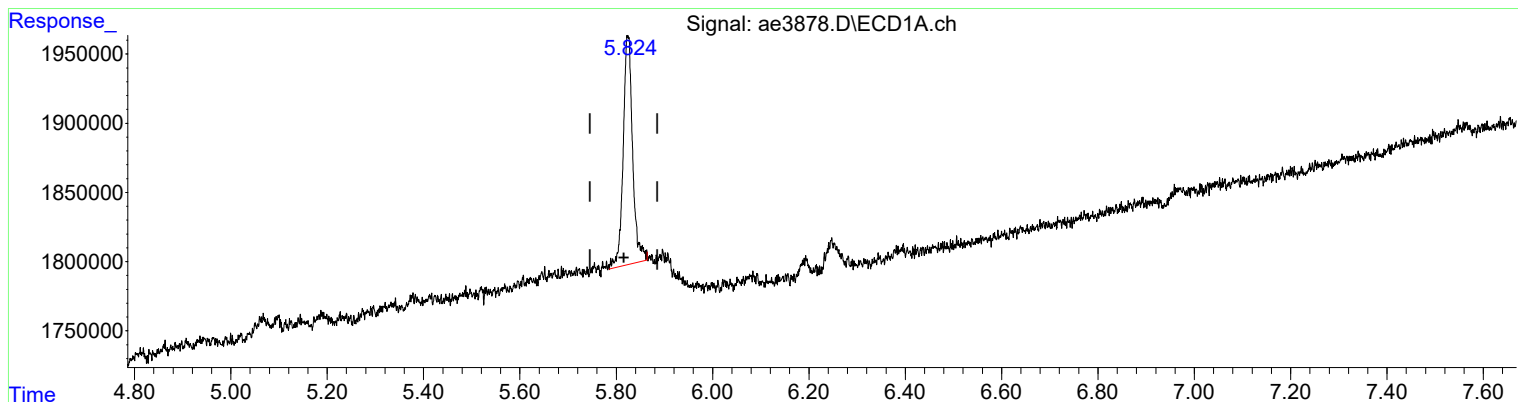
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(16) KEPONE (tc)
5.824min 0.899 ug/l m
response 2265608

(16) KEPONE #2 (tc)
6.616min 0.780 ug/l m
response 18583386

Manual Integration:
After
Poor integration.
04/30/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound RT#1 RT#2 Resp#1 Resp#2 ug/l ug/l

System Monitoring Compounds

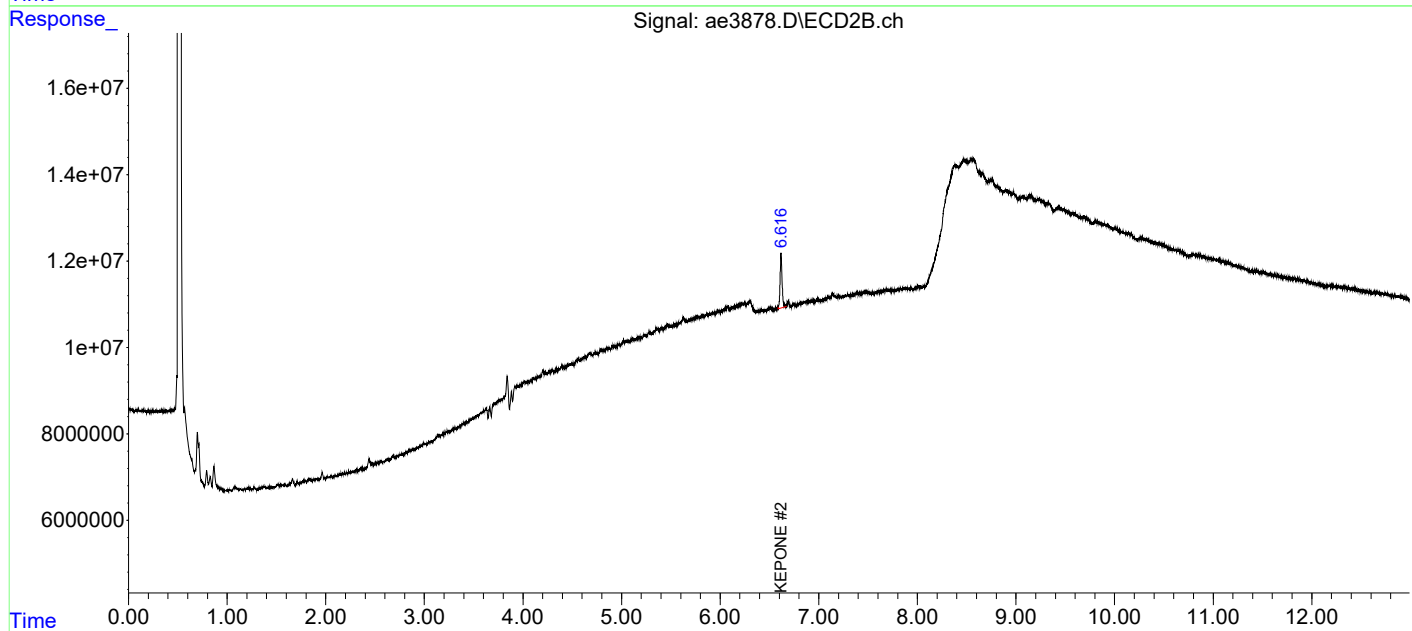
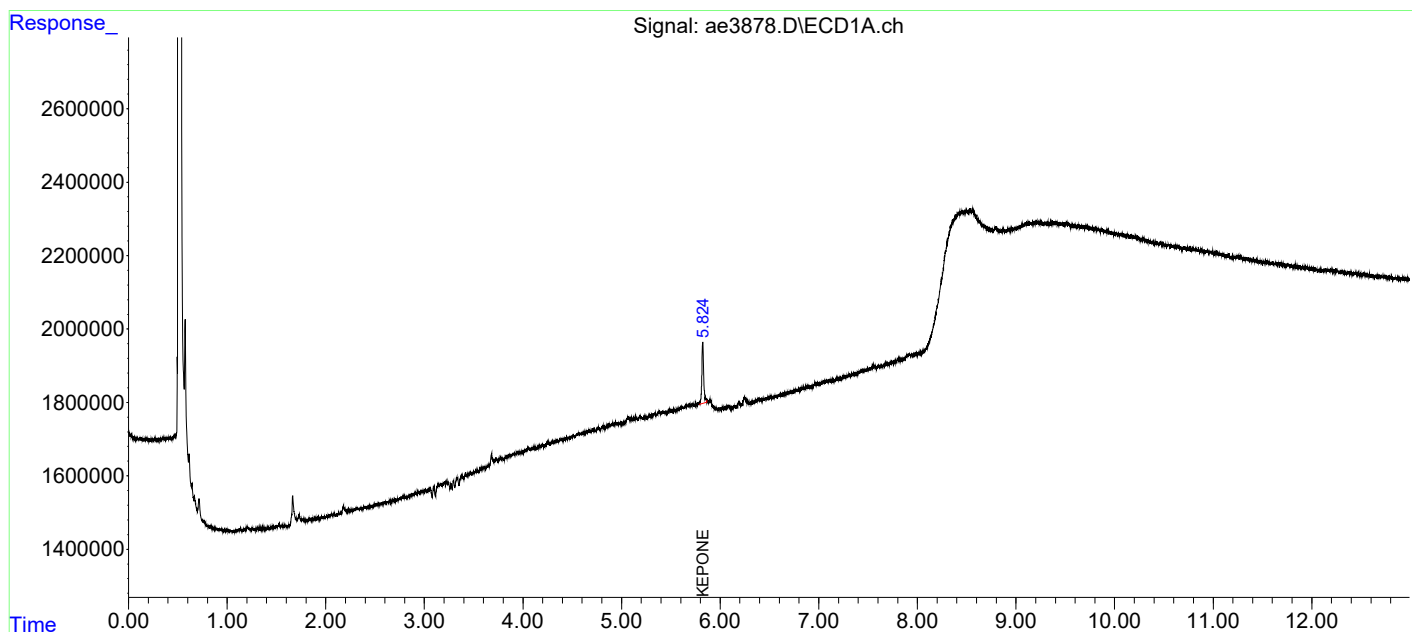
Target Compounds						
16) tc	KEPONE	5.824	6.616	2265608	18583386	0.899m 0.780m
	Sum Toxaphene			0	0	N.D. N.D.
	Average Toxaphene					0.000 0.000
	Sum Chlordane			0	0	N.D. N.D.
	Average Chlordane					0.000 0.000
	Sum Dechlorane			0	0	N.D. N.D.
	Average Dechlorane					0.000 0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (1):	STX-CLP	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/29/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		10:47
4,4'-DDT % Breakdown (1):	0.3%	Endrin % Breakdown (1):		3.9%
Combined % Breakdown (1):	4.2%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (2):	STX-CLPII	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/29/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		10:47
4,4'-DDT % Breakdown (1):	1.4%	Endrin % Breakdown (1):		4.1%
Combined % Breakdown (1):	5.5%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 10:47 am
 Operator : a.moses
 Sample : pem
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:52:14 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

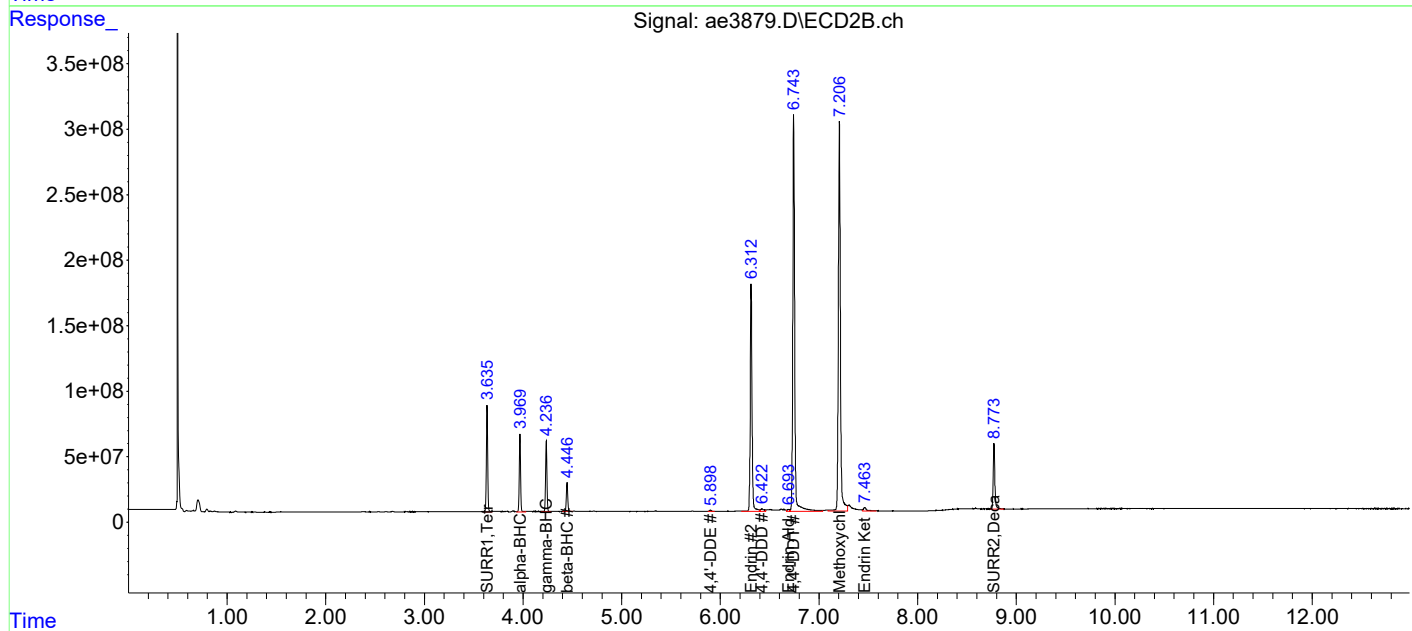
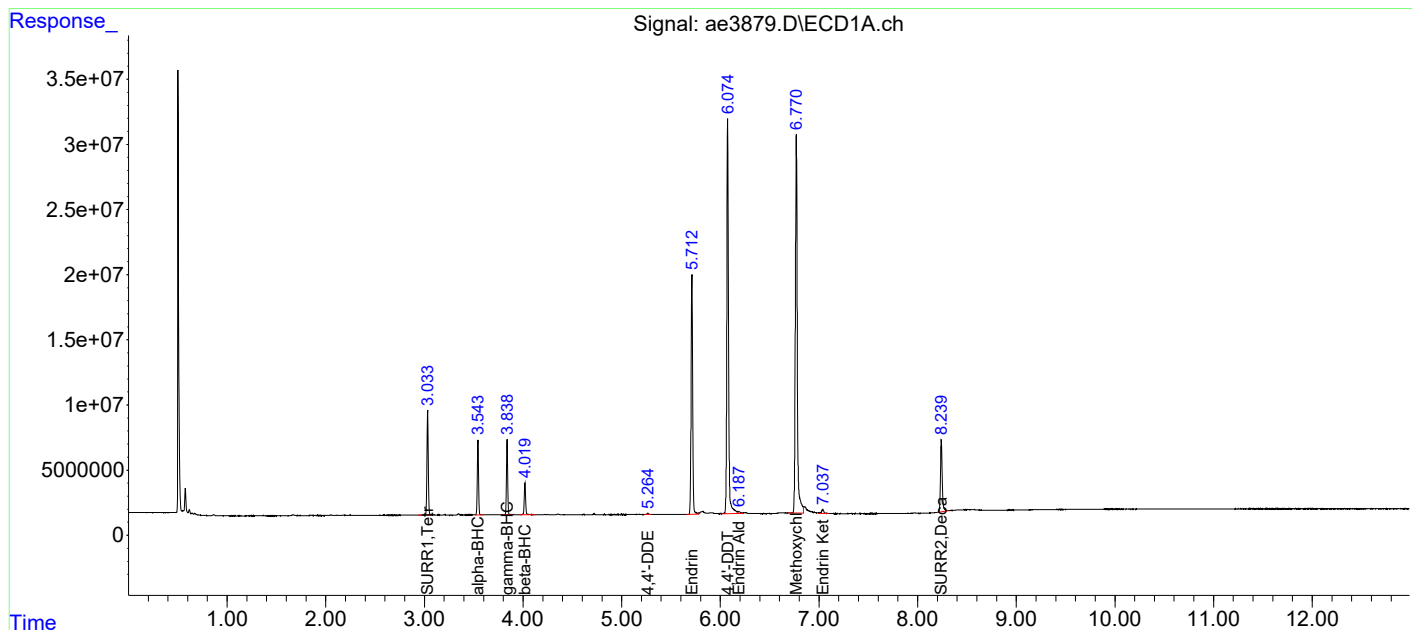
System Monitoring Compounds						
1) S SURR1,Tet...	3.033	3.636	76284791	759.6E6	16.473	16.876
Spiked Amount	100.000	Range	30 - 150	Recovery	= 16.47%#	16.88%#
26) S SURR2,Dec...	8.239	8.773	67041676	595.4E6	14.646	14.759
Spiked Amount	100.000	Range	30 - 150	Recovery	= 14.65%#	14.76%#
Target Compounds						
3) tc alpha-BHC	3.543	3.969	50158043	550.6E6	8.009	8.446
4) tcm gamma-BHC (L	3.839	4.236	49005880	516.4E6	8.334	8.712
7) tc beta-BHC	4.020	4.447	24192592	220.7E6	8.948	9.049
13) tc 4,4'-DDE	5.265	5.898	1118633	12631964	0.210	0.243
15) tcm Endrin	5.712	6.312	208.9E6	2211.6E6	40.671	42.270
18) tc 4,4'-DDD	0.000	6.421	0	48505316	N.D.	1.059 #
19) tcm 4,4'-DDT	6.074	6.744	381.1E6	4210.2E6	76.547	84.361
20) tc Endrin Aldehy	6.188	6.693	3488639	25680195	0.776	0.633
22) tc Methoxychlor	6.770	7.206	401.8E6	4463.1E6	146.937	181.412
24) tc Endrin Keton	7.037	7.464	4961704	69176124	0.844	1.299 #
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:47 am
Operator : a.moses
Sample : pem
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:14 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

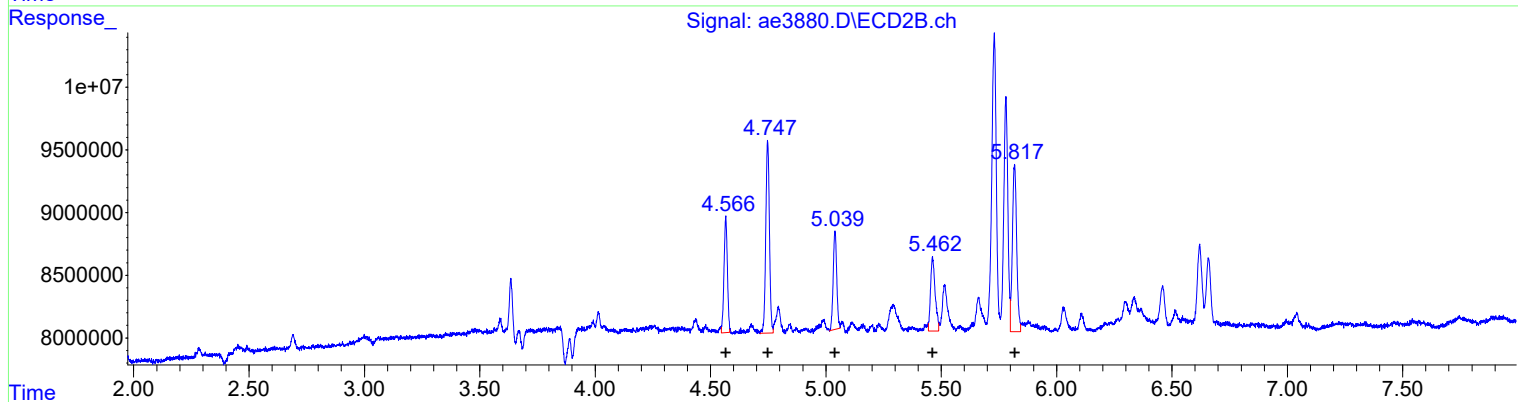
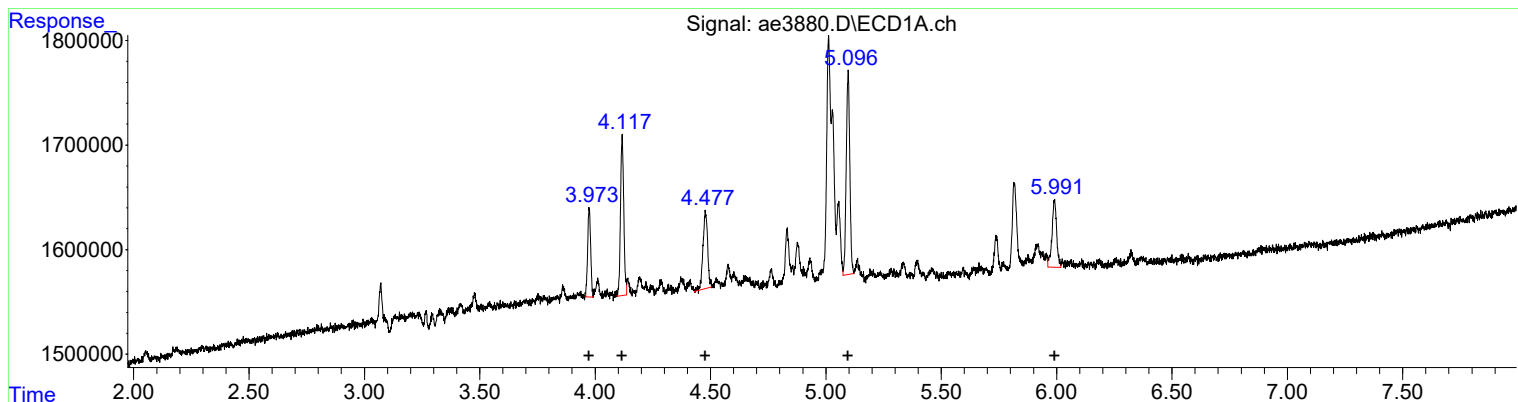
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)			
R.T.	Response	Conc	
3.97	773762	5.89	
4.12	1503289	5.88	
4.48	1034294	6.06	
5.10	2085814	5.39	
5.99	908992	5.80	

(32) Chlordane #2 (L9C)			
R.T.	Response	Conc	
4.57	9338256	5.72	
4.75	16969766	5.78	
5.04	8401225	5.84	
5.46	8112957	5.84	
5.82	17161206	5.54	

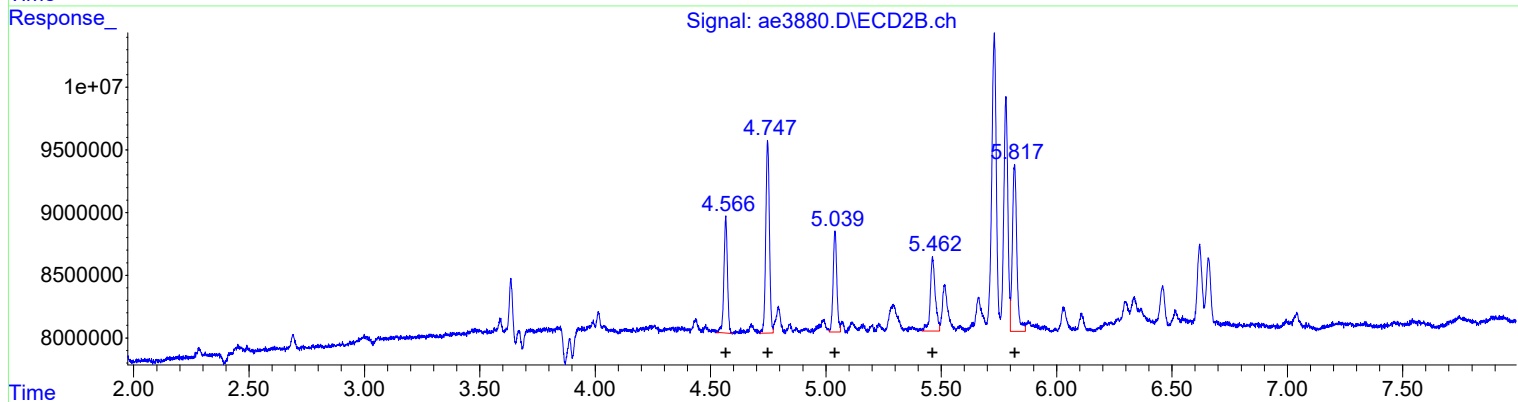
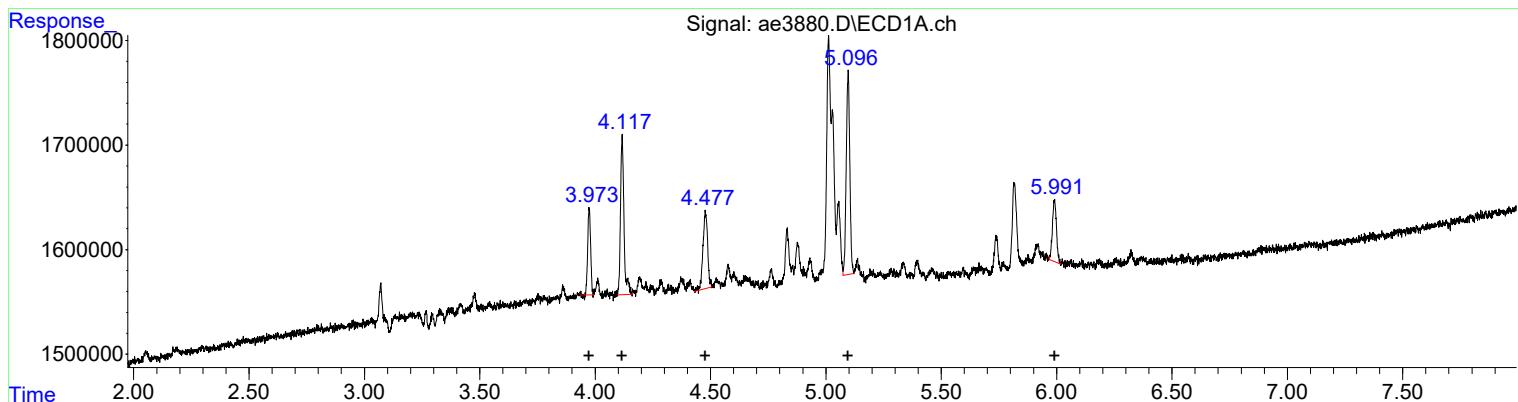
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	728698	5.55
4.12	1592495	6.23
4.48	1034294	6.06
5.10	2085814	5.39
5.99	724120	4.62

Manual Integration:
Before
04/29/19

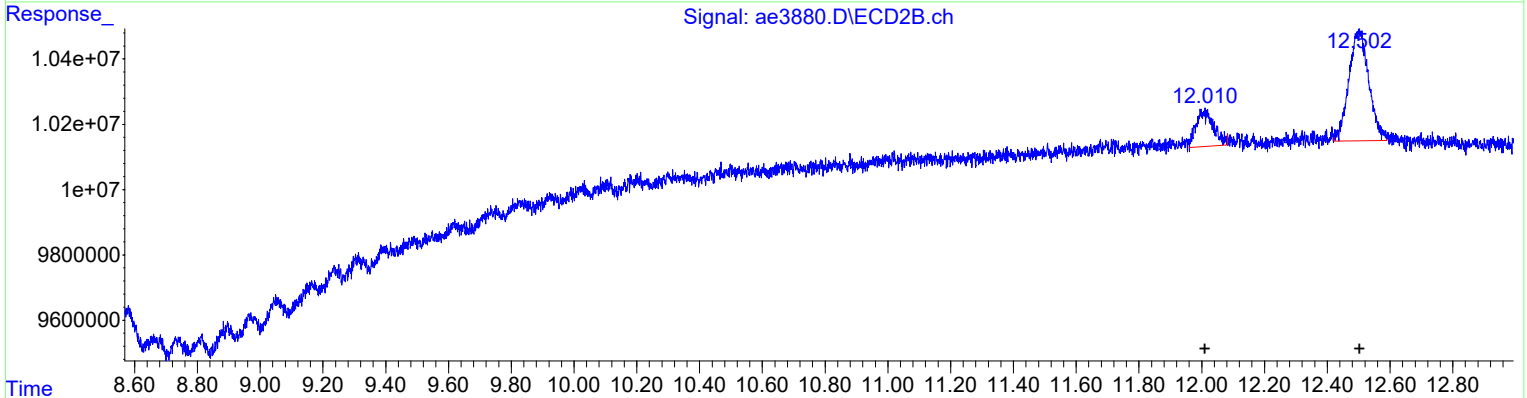
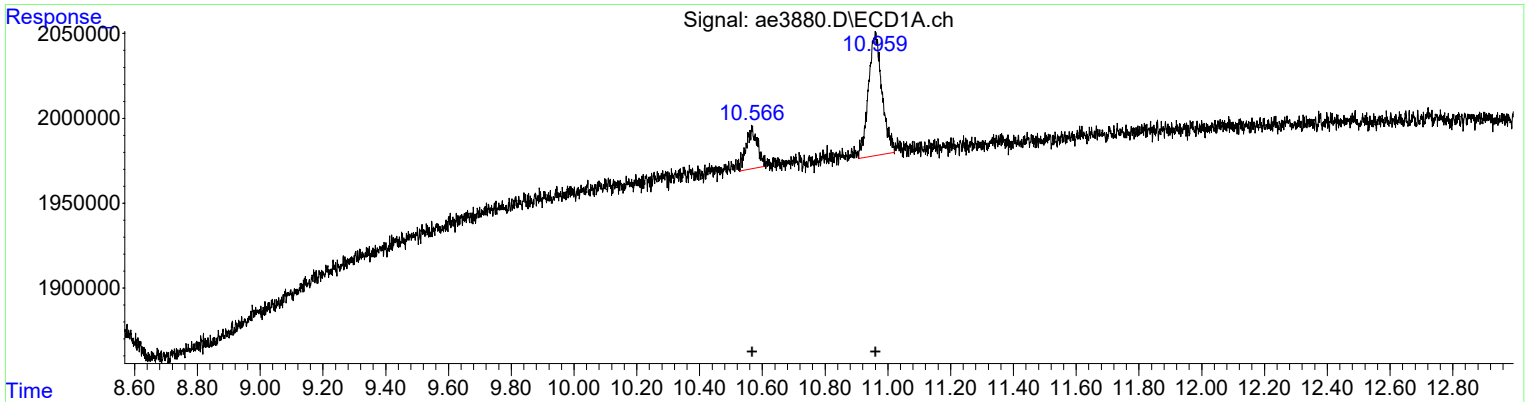
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	9823720	6.02
4.75	16969766	5.78
5.04	8962222	6.23
5.46	8948191	6.44
5.82	17840768	5.76

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:05 am
 Operator : a.moses
 Sample : chlor std 1
 Misc : initial cal.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:00:33 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:00:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(37) Dechlorane{1} (L10C)
 R.T. Response Conc
 10.57 602747 1.09
 10.96 2166121 1.10

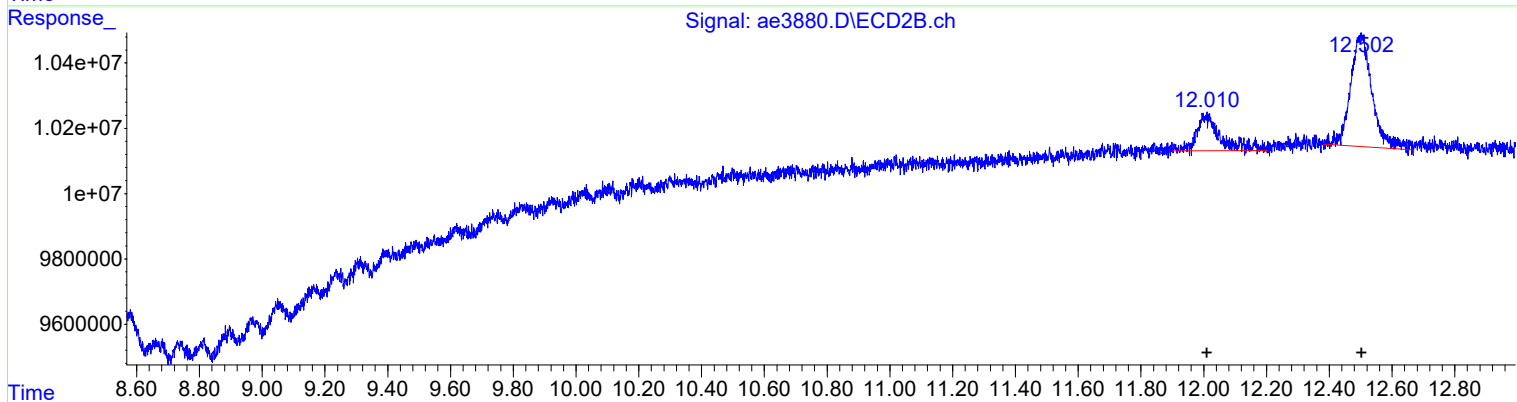
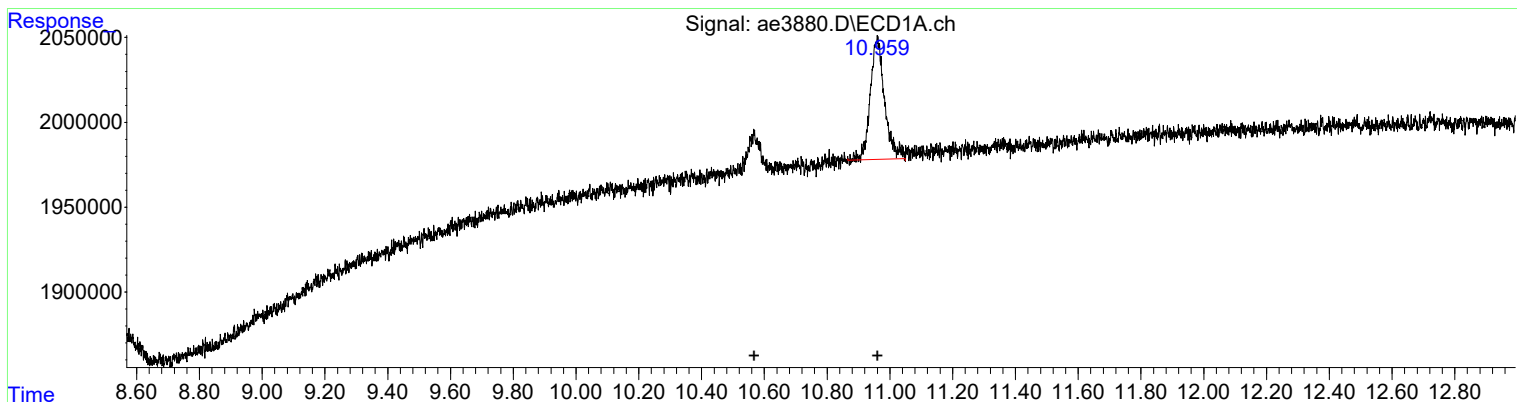
Manual Integration:
 After
 Poor integration.
 04/29/19

(37) Dechlorane{1} #2 (L10C)
 R.T. Response Conc
 12.01 4281545 1.04
 12.50 14969755 1.06

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(37) Dechlorane{1} (L10C)
R.T. Response Conc
0.00 0 0.00
10.96 2257646 1.15

Manual Integration:
Before

04/29/19

(37) Dechlorane{1} #2 (L10C)
R.T. Response Conc
12.01 5684161 1.38
12.50 16401133 1.17

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:05 am
 Operator : a.moses
 Sample : chlor std 1
 Misc : initial cal.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:00:33 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:00:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

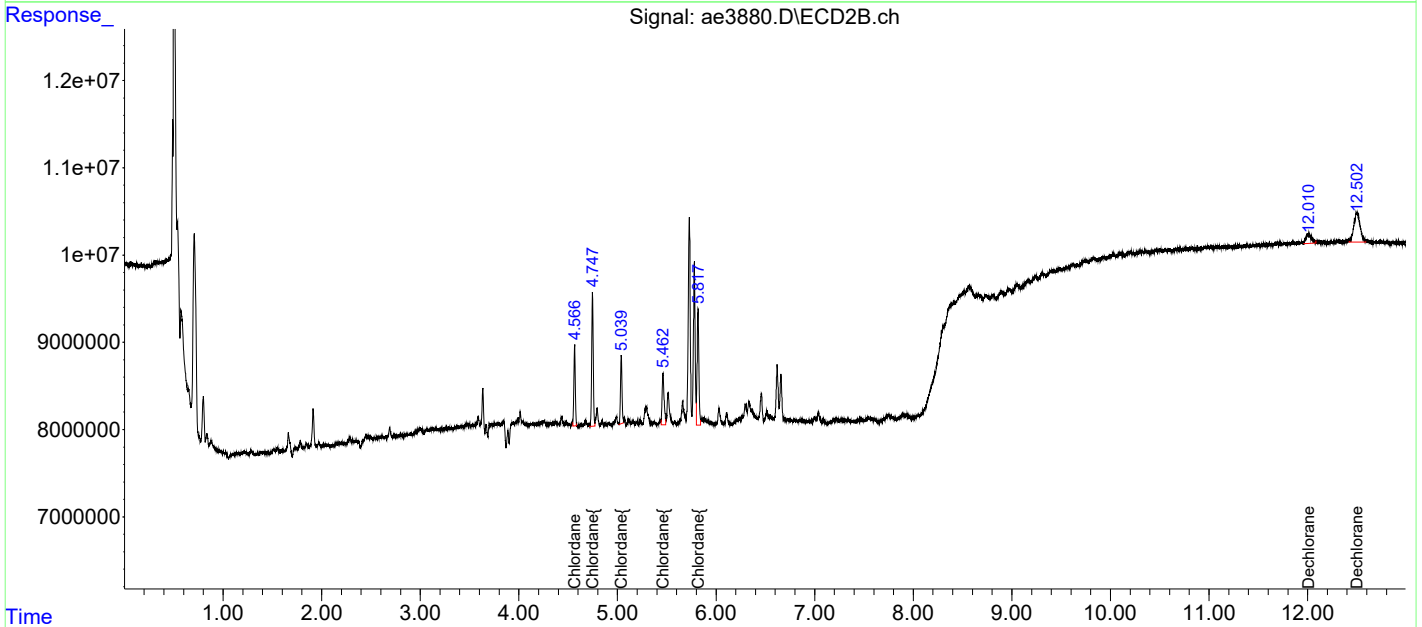
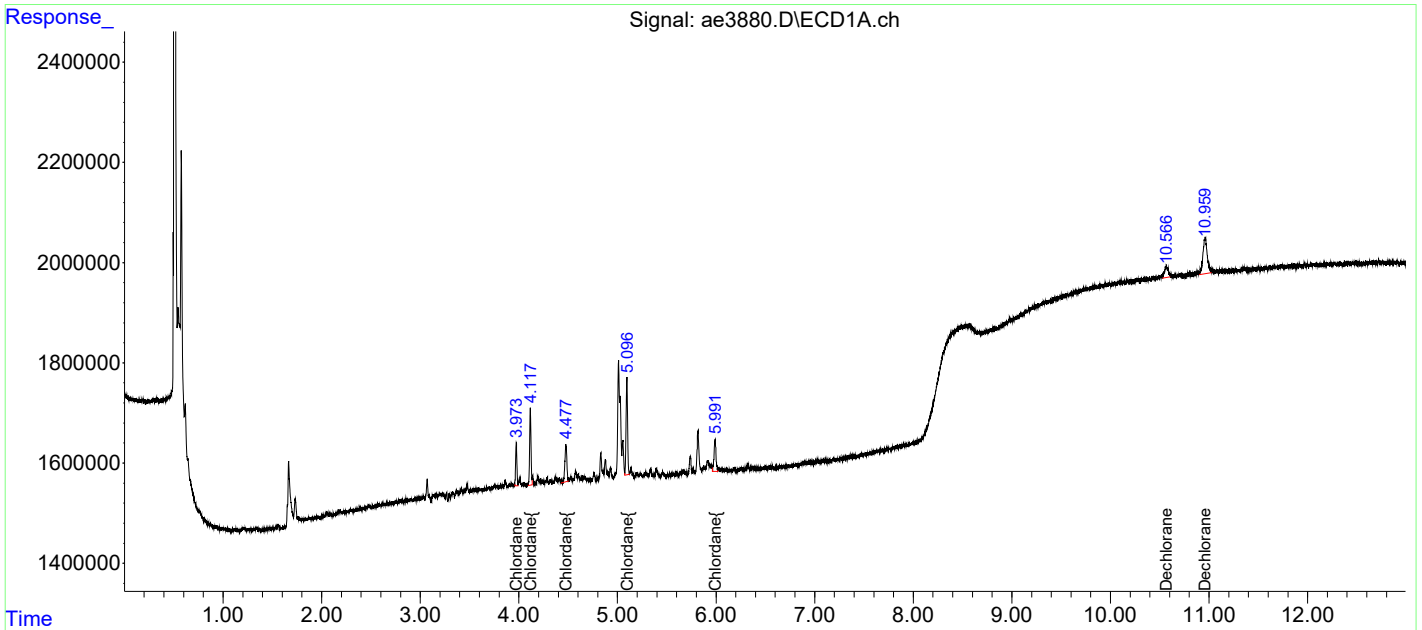
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	773762	9338256	5.890m	5.723m
33) L9C Chlordane{2}	4.117	4.748	1503289	16969766	5.877m	5.781
34) L9C Chlordane{3}	4.478	5.039	1034294	8401225	6.059	5.844m
35) L9C Chlordane{4}	5.097	5.462	2085814	8112957	5.390	5.839m
36) L9C Chlordane{5}	5.991	5.817	908992	17161206	5.797m	5.536m
Sum Chlordane			6306151	59983409	29.013	28.723
Average Chlordane					5.803	5.745
37) L10C Dechloran...	10.566	12.010	602747	4281545	1.088m	1.038m
38) L10C Dechloran...	10.959	12.502	2166121	14969755	1.100m	1.063m
Sum Dechlorane			2768868	19251300	2.189	2.101
Average Dechlorane					1.094	1.051

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

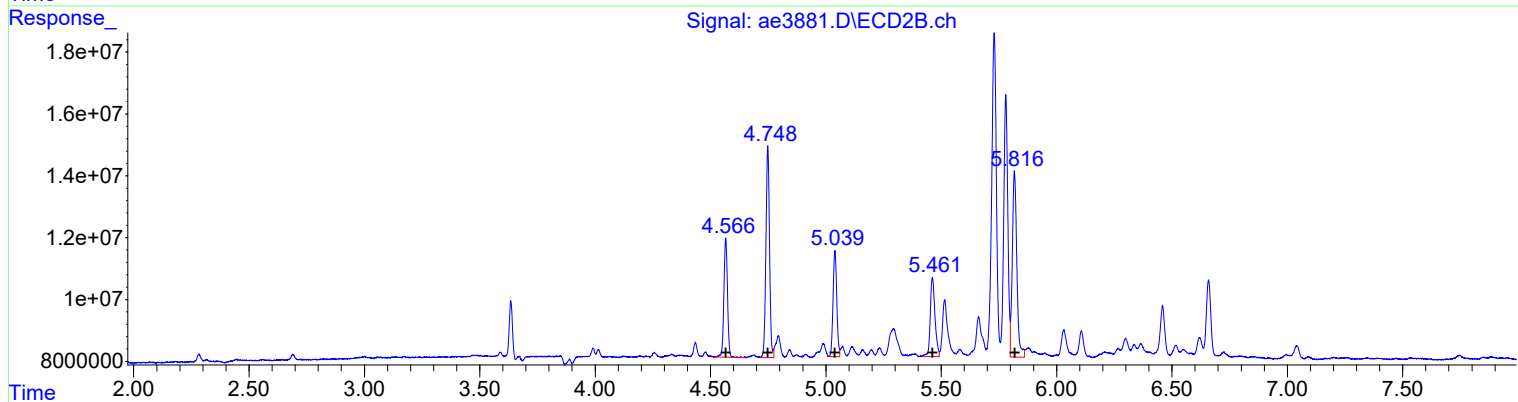
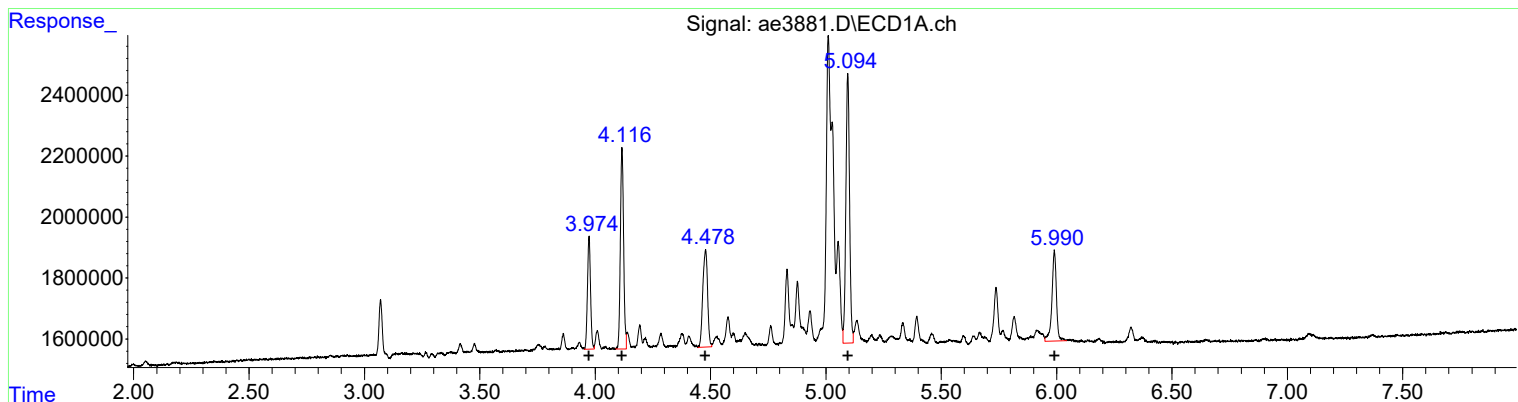
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:22 am
Operator : a.moses
Sample : chlor std 2
Misc : initial cal.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:57 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



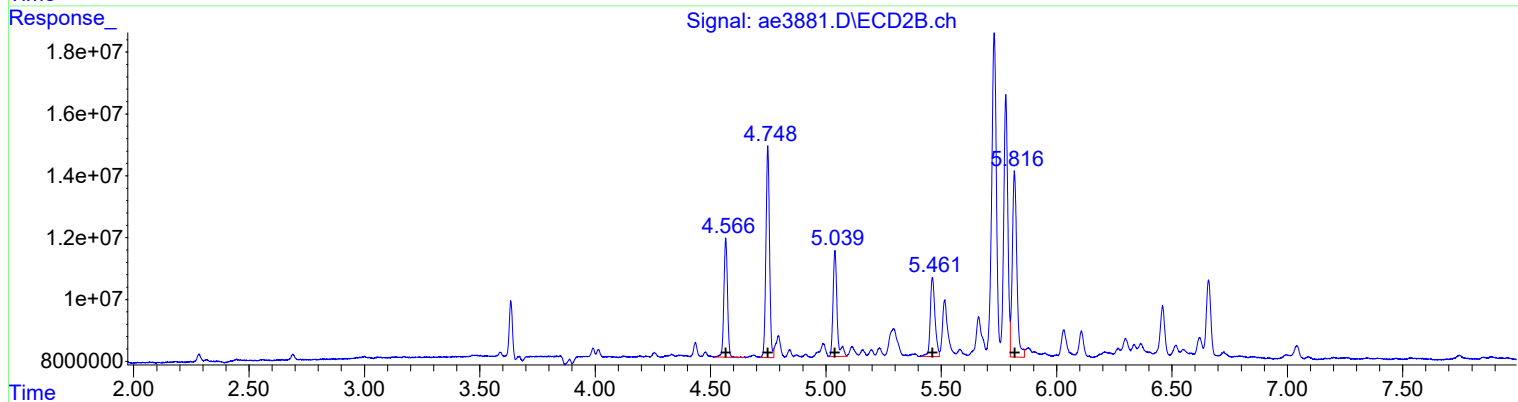
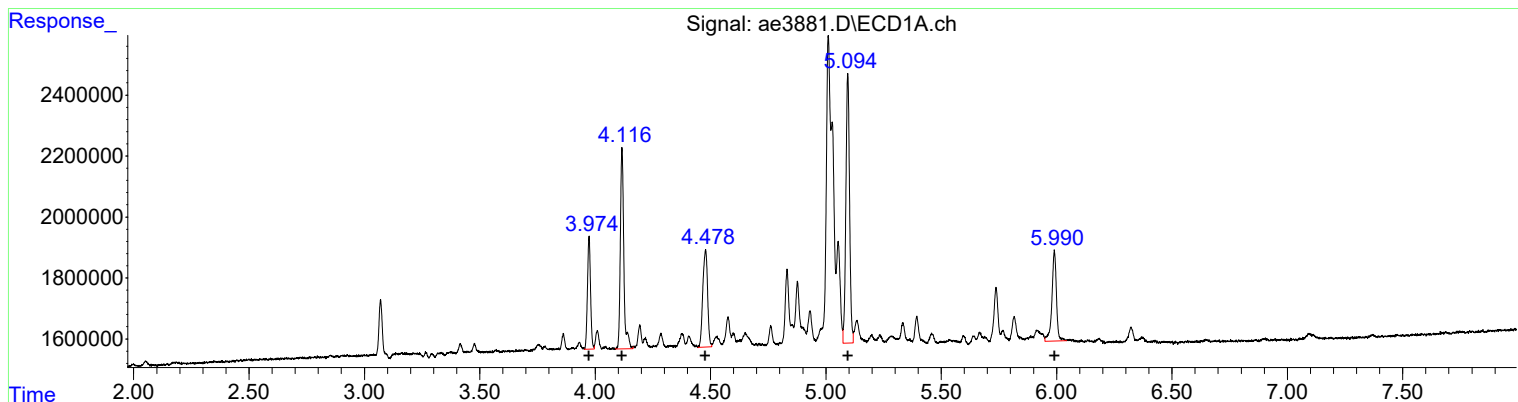
(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	3428194	23.33
4.12	6452199	21.90
4.48	4597472	24.14
5.09	9865586	22.33
5.99	4033904	22.85
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	41935835	24.37
4.75	74260686	23.75
5.04	38405152	25.71
5.46	36255677	24.45
5.82	81350730	24.15

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:22 am
Operator : a.moses
Sample : chlor std 2
Misc : initial cal.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:57 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	3428194	23.33
4.12	6880101	23.36
4.48	4597472	24.14
5.09	9865586	22.33
5.99	4033904	22.85
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	41935835	24.37
4.75	74260686	23.75
5.04	41827707	28.00
5.46	36255677	24.45
5.82	81350730	24.15

Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:22 am
 Operator : a.moses
 Sample : chlor std 2
 Misc : initial cal.
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:52:57 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

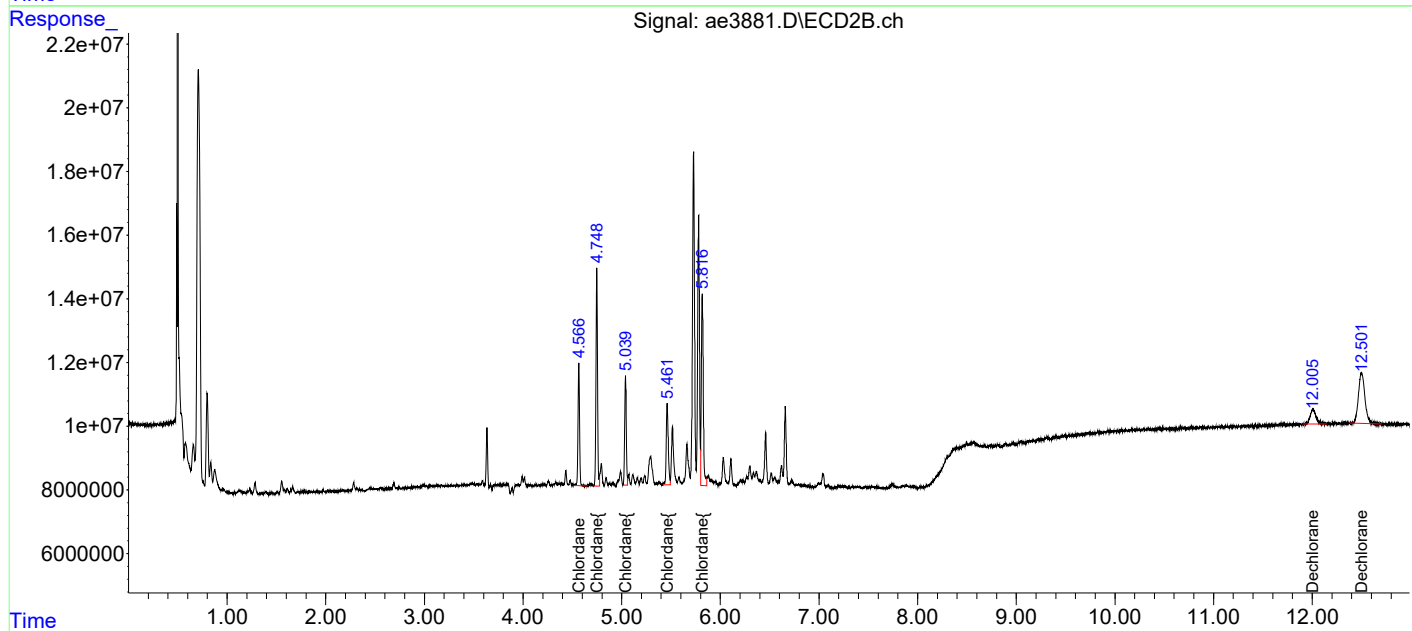
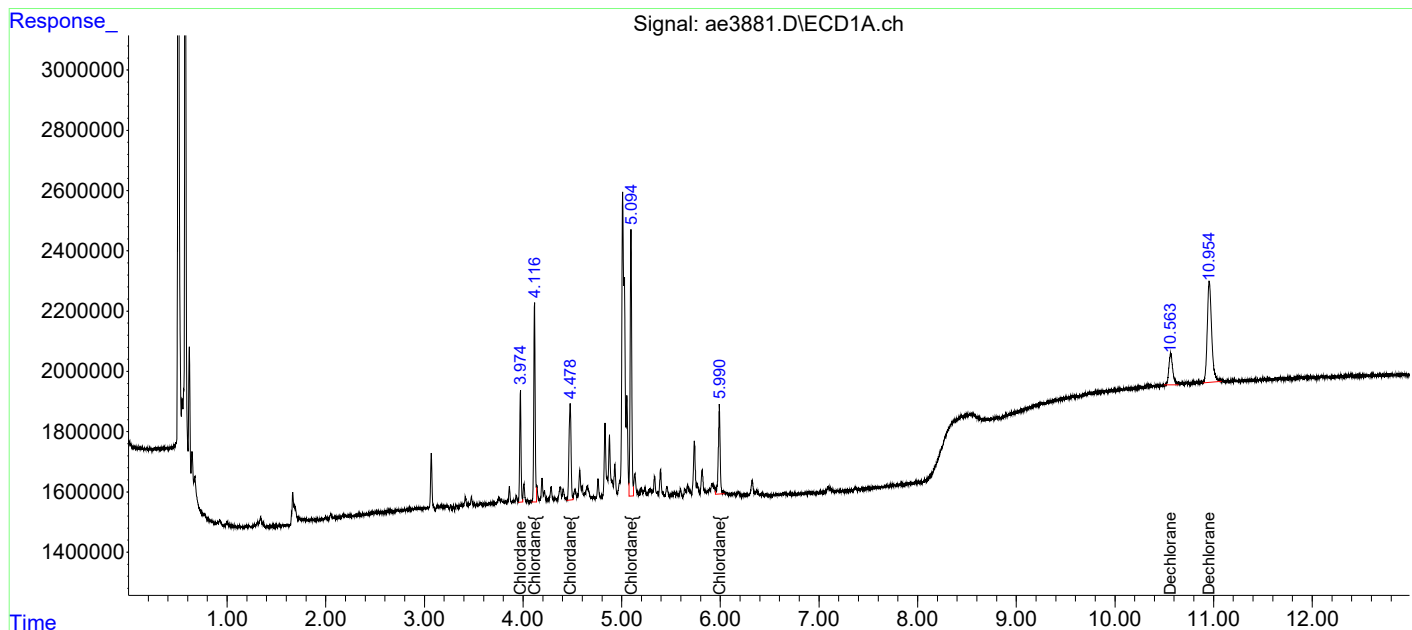
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.974	4.566	3428194	41935835	23.325	24.368
33) L9C Chlordane{2}	4.116	4.748	6452199	74260686	21.903m	23.745
34) L9C Chlordane{3}	4.479	5.039	4597472	38405152	24.143	25.709m
35) L9C Chlordane{4}	5.095	5.462	9865586	36255677	22.329	24.454
36) L9C Chlordane{5}	5.990	5.818	4033904	81350730	22.850	24.153
Sum Chlordane			28377355	272.2E6	114.550	122.429
Average Chlordane					22.910	24.486
37) L10C Dechloran...	10.564	12.007	2859212	19515609	1.191	1.004
38) L10C Dechloran...	10.955	12.499	10492225	72496530	1.394	1.160
Sum Dechlorane			13351437	92012139	2.584	2.164
Average Dechlorane					1.292	1.082

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:22 am
Operator : a.moses
Sample : chlor std 2
Misc : initial cal.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:57 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

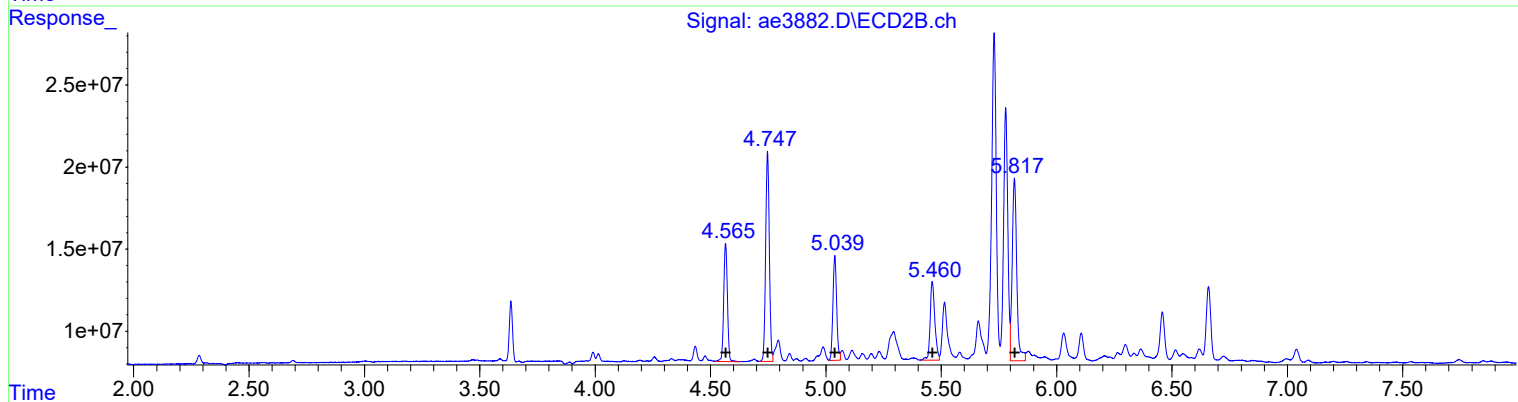
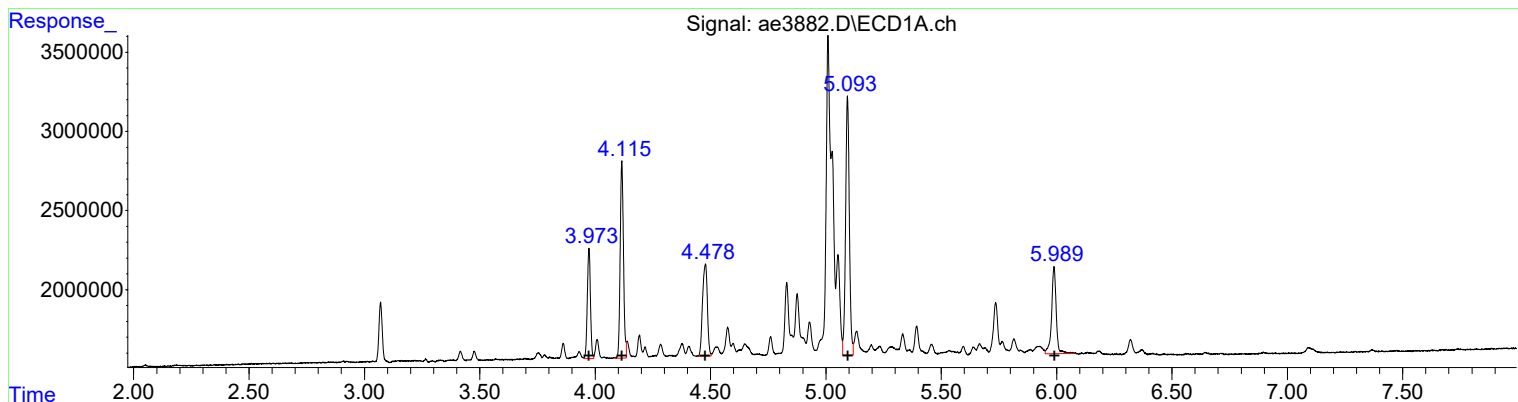
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:40 am
Operator : a.moses
Sample : chlor std 3
Misc : initial cal.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	6551910	44.58
4.12	12270451	41.65
4.48	8484235	44.55
5.09	18527220	41.93
5.99	7586308	42.97

(32) Chlordane #2 (L9C)

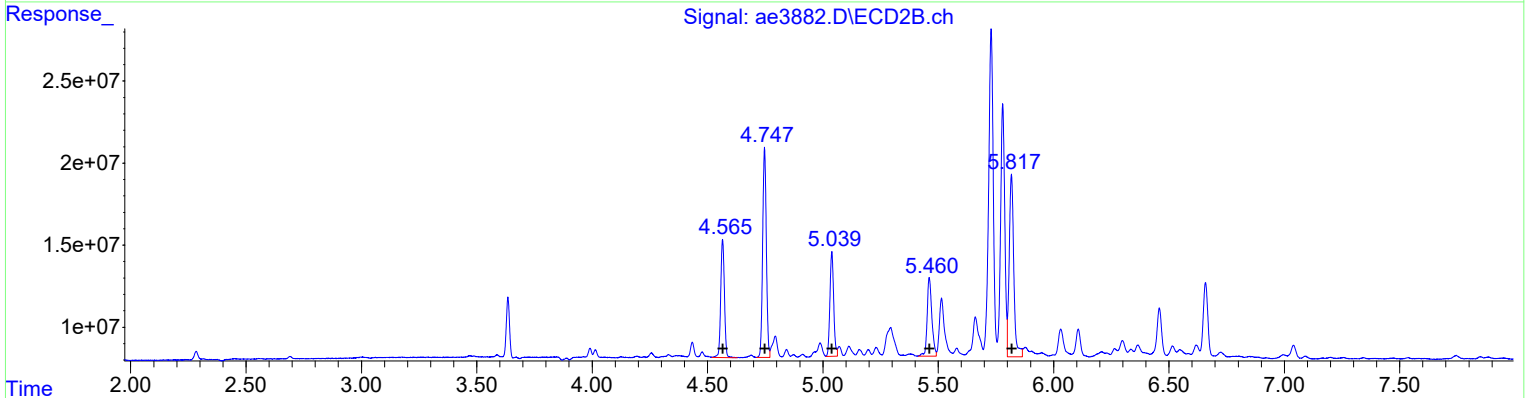
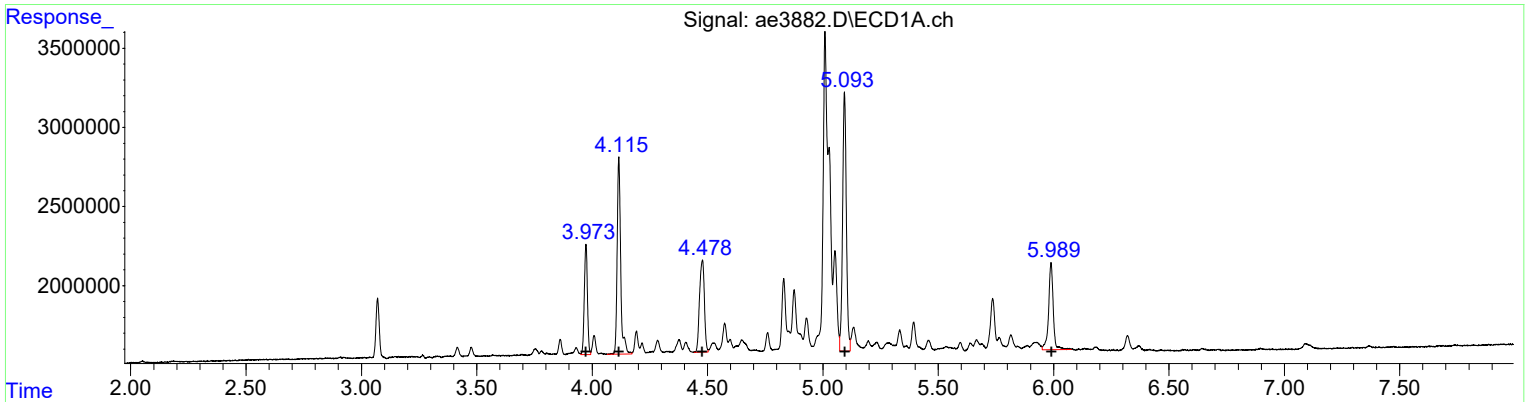
R.T.	Response	Conc
4.57	80247684	46.63
4.75	141848661	45.36
5.04	71889861	48.12
5.46	67693648	45.66
5.82	153081601	45.45

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:40 am
 Operator : a.moses
 Sample : chlor std 3
 Misc : initial cal.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	6551910	44.58
4.12	13204987	44.83
4.48	8484235	44.55
5.09	18527220	41.93
5.99	7586308	42.97
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	80247684	46.63
4.75	141848661	45.36
5.04	71889861	48.12
5.46	67693648	45.66
5.82	153081601	45.45

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:40 am
 Operator : a.moses
 Sample : chlor std 3
 Misc : initial cal.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

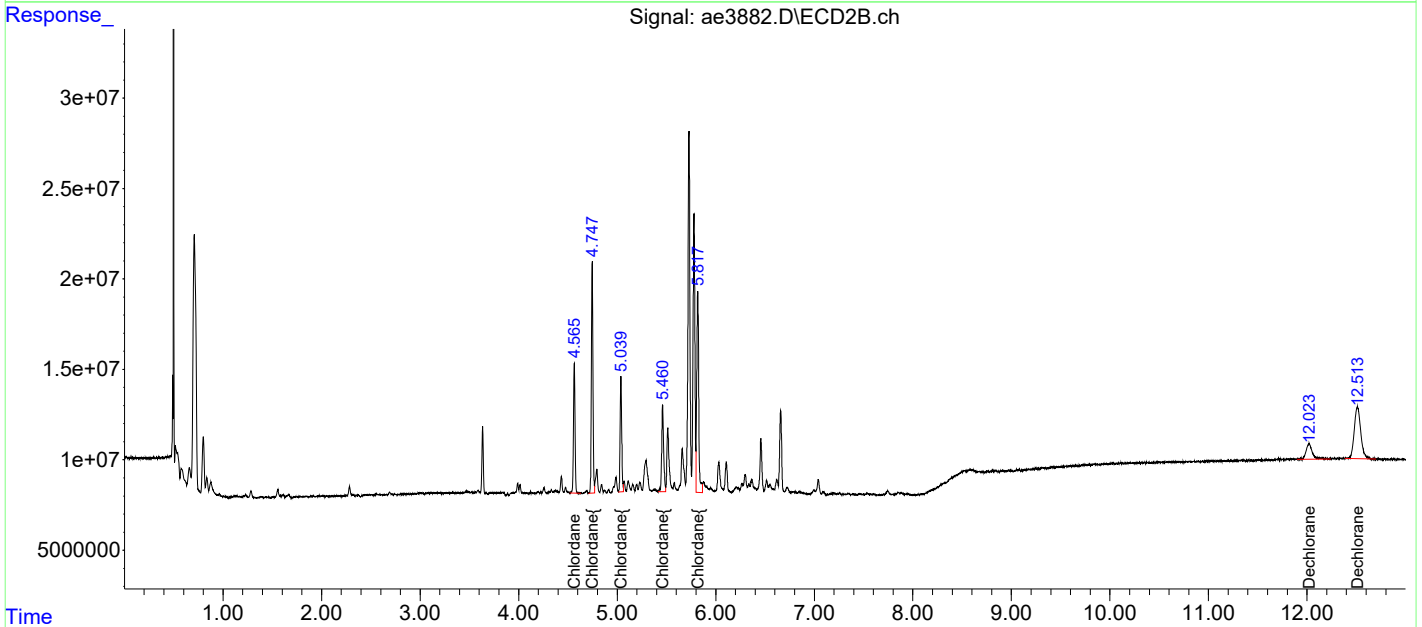
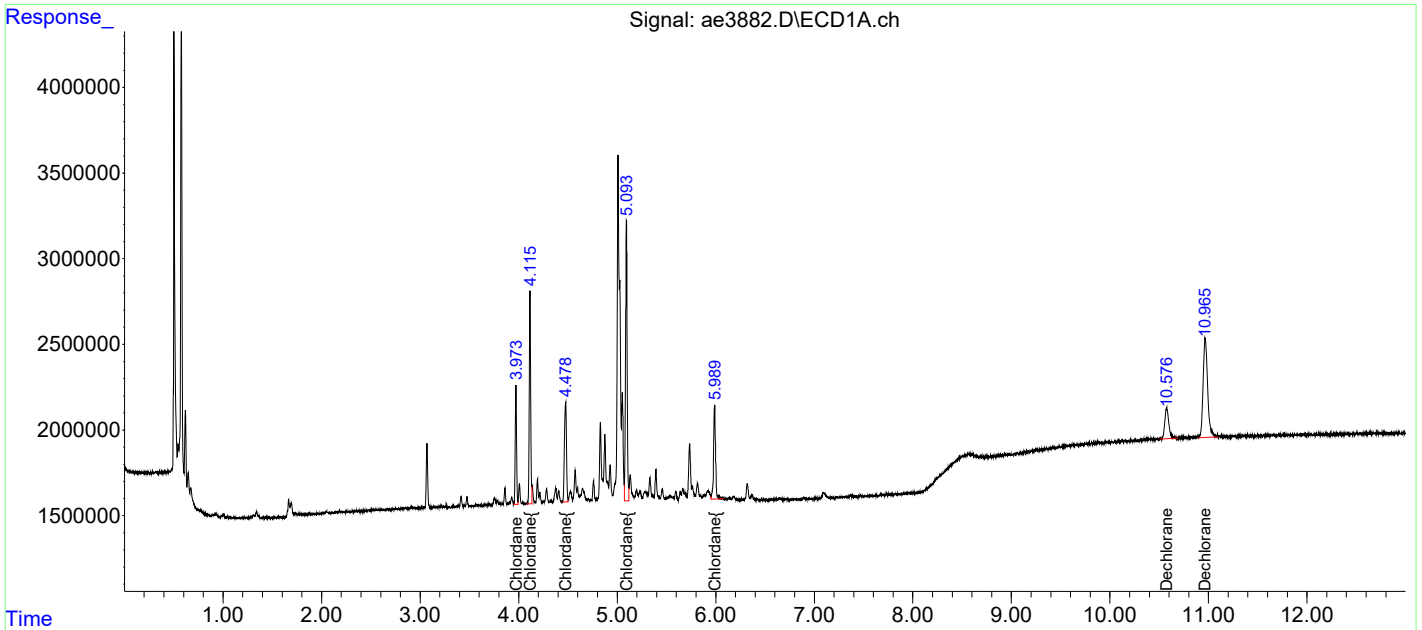
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.565	6551910	80247684	44.579	46.630
33) L9C Chlordane{2}	4.115	4.747	12270451	141.8E6	41.654m	45.357
34) L9C Chlordane{3}	4.478	5.039	8484235	71889861	44.553	48.124
35) L9C Chlordane{4}	5.094	5.461	18527220	67693648	41.933	45.659
36) L9C Chlordane{5}	5.989	5.817	7586308	153.1E6	42.973	45.450
Sum Chlordane			53420125	514.8E6	215.692	231.220
Average Chlordane					43.138	46.244
37) L10C Dechloran...	10.575	12.020	5168020	37305859	5.387	5.409
38) L10C Dechloran...	10.965	12.511	18582269	131.6E6	5.503	5.325
Sum Dechlorane			23750289	168.9E6	10.890	10.735
Average Dechlorane					5.445	5.367

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:40 am
Operator : a.moses
Sample : chlor std 3
Misc : initial cal.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

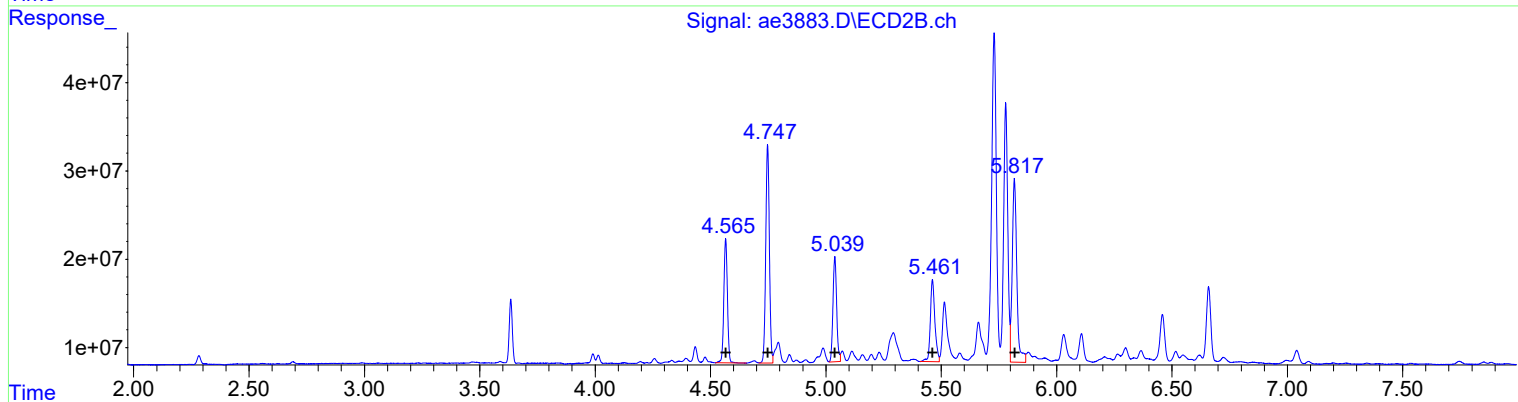
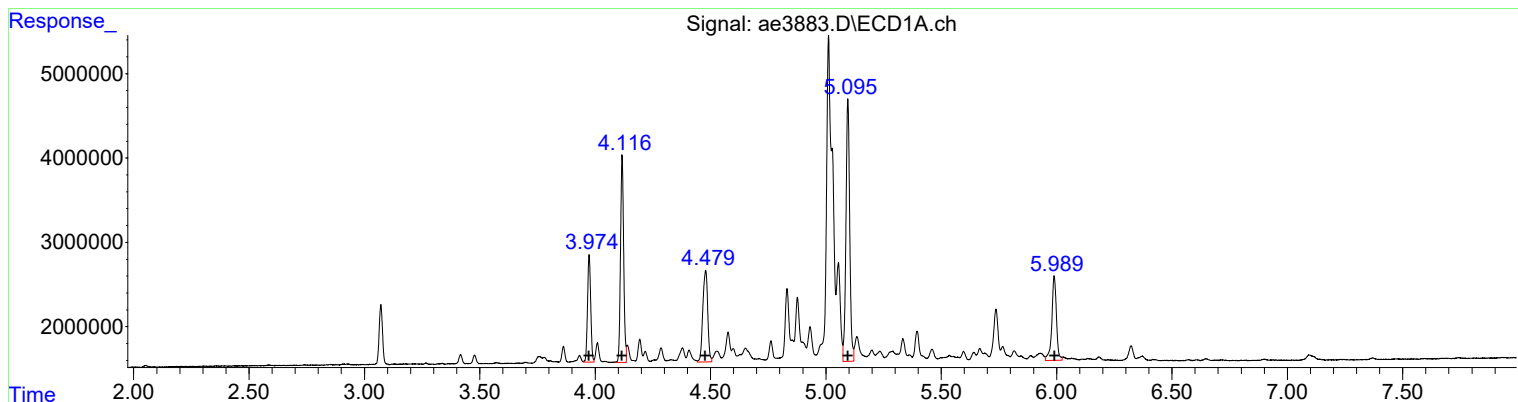
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	12229346	83.21
4.12	23274440	79.01
4.48	16074578	84.41
5.10	35239098	79.76
5.99	13857575	78.50

(32) Chlordane #2 (L9C)

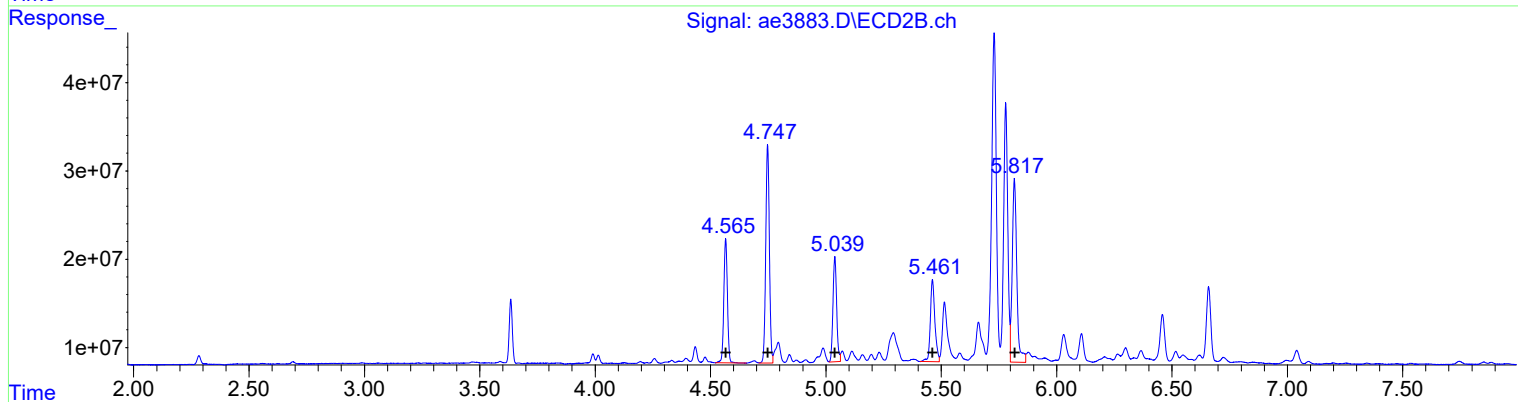
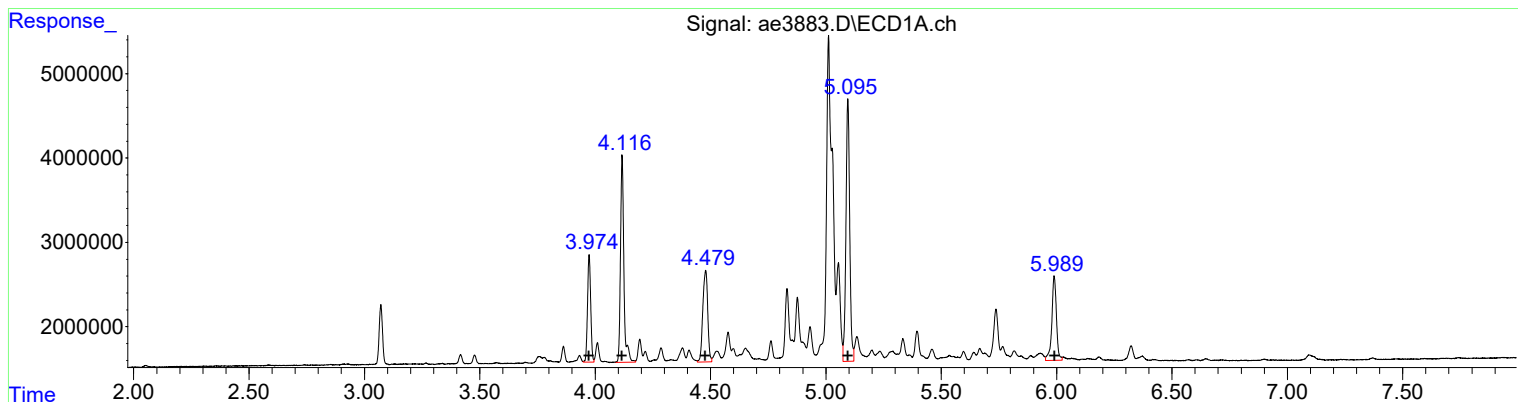
R.T.	Response	Conc
4.57	152623109	88.68
4.75	271621548	86.85
5.04	132853893	88.93
5.46	127741858	86.16
5.82	286190964	84.97

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	12229346	83.21
4.12	25169164	85.44
4.48	16074578	84.41
5.10	35239098	79.76
5.99	13857575	78.50

Manual Integration:
Before
04/29/19

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	152623109	88.68
4.75	271621548	86.85
5.04	132853893	88.93
5.46	127741858	86.16
5.82	286190964	84.97

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:58 am
 Operator : a.moses
 Sample : chlor std 4
 Misc : initial cal.
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:05 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

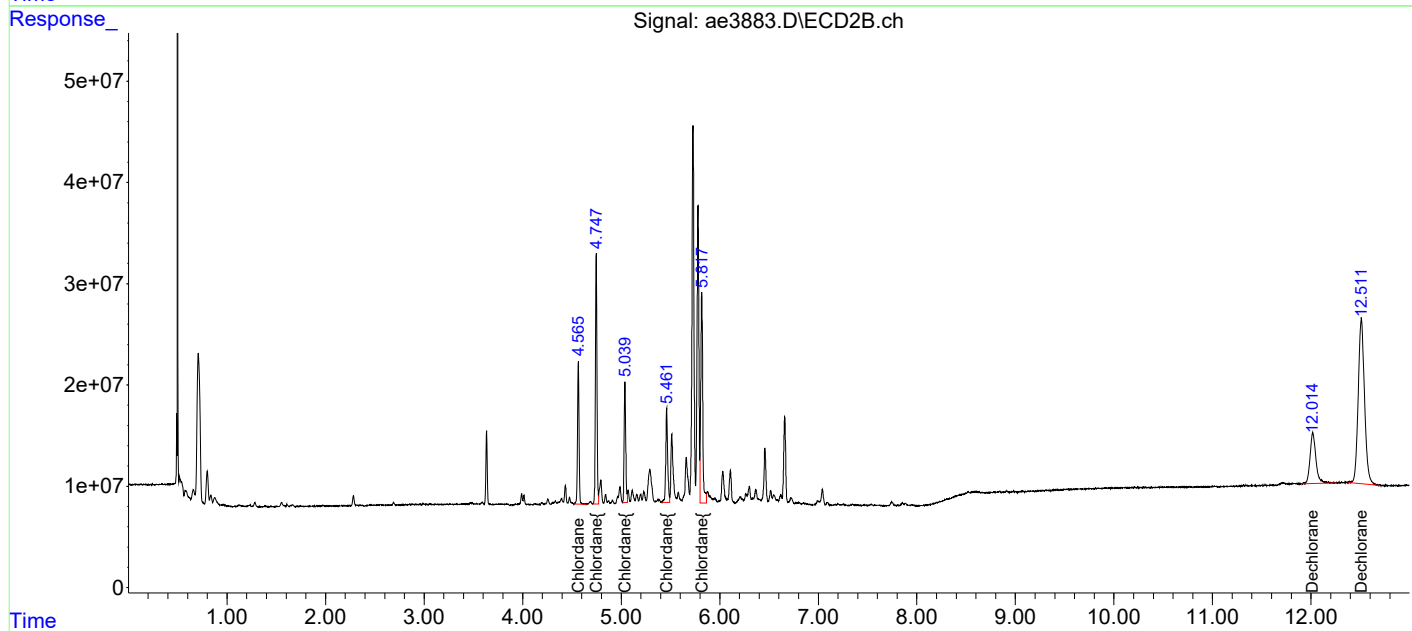
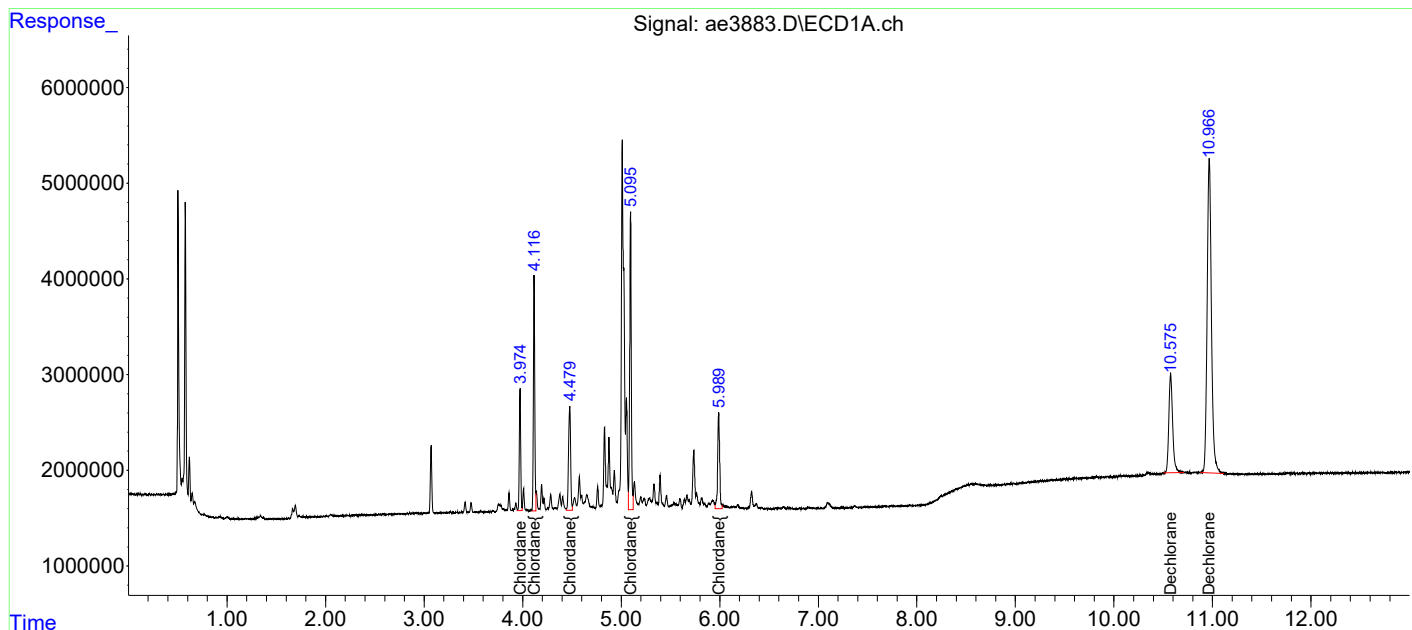
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.974	4.566	12229346	152.6E6	83.208	88.685
33) L9C Chlordane{2}	4.116	4.748	23274440	271.6E6	79.010m	86.853
34) L9C Chlordane{3}	4.479	5.039	16074578	132.9E6	84.412	88.934
35) L9C Chlordane{4}	5.095	5.462	35239098	127.7E6	79.757	86.161
36) L9C Chlordane{5}	5.989	5.817	13857575	286.2E6	78.497	84.970
Sum Chlordane			100.7E6	971.0E6	404.883	435.603
Average Chlordane					80.977	87.121
37) L10C Dechloran...	10.575	12.017	28000734	205.1E6	49.205	49.503
38) L10C Dechloran...	10.967	12.510	99418265	720.1E6	48.951	49.226
Sum Dechlorane			127.4E6	925.2E6	98.155	98.729
Average Dechlorane					49.078	49.364

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

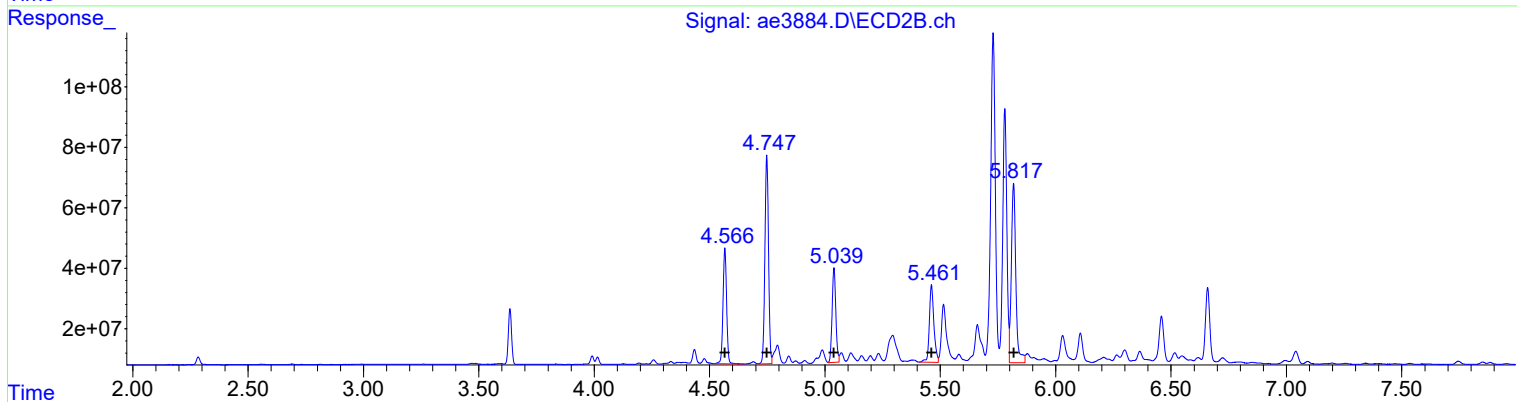
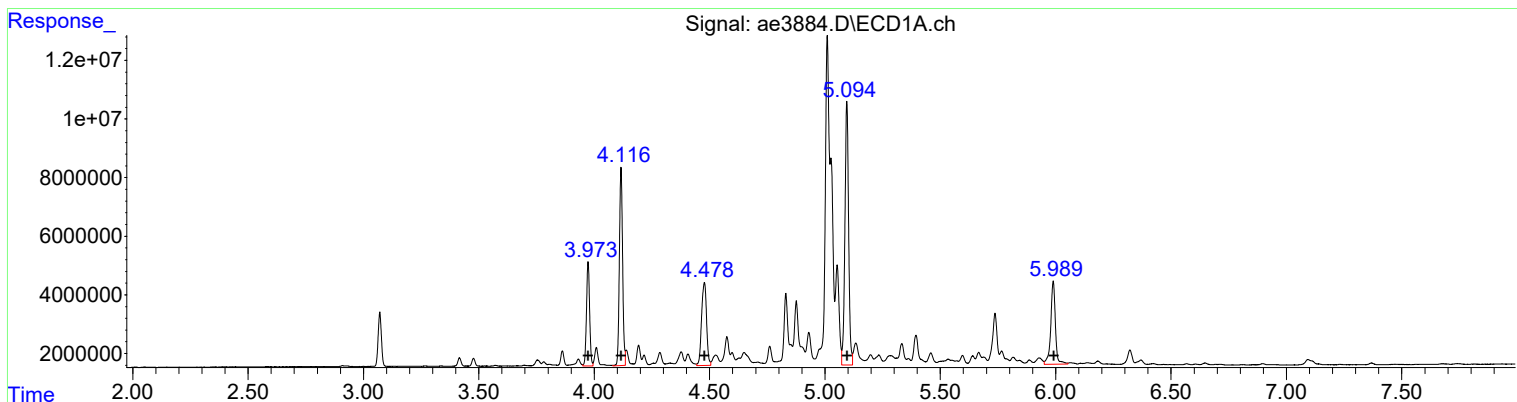
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:16 pm
Operator : a.moses
Sample : chlor std 5
Misc : initial cal.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	33442522	227.54
4.12	65642761	222.84
4.48	42454429	222.94
5.09	100314005	227.04
5.99	39612407	224.39

(32) Chlordane #2 (L9C)

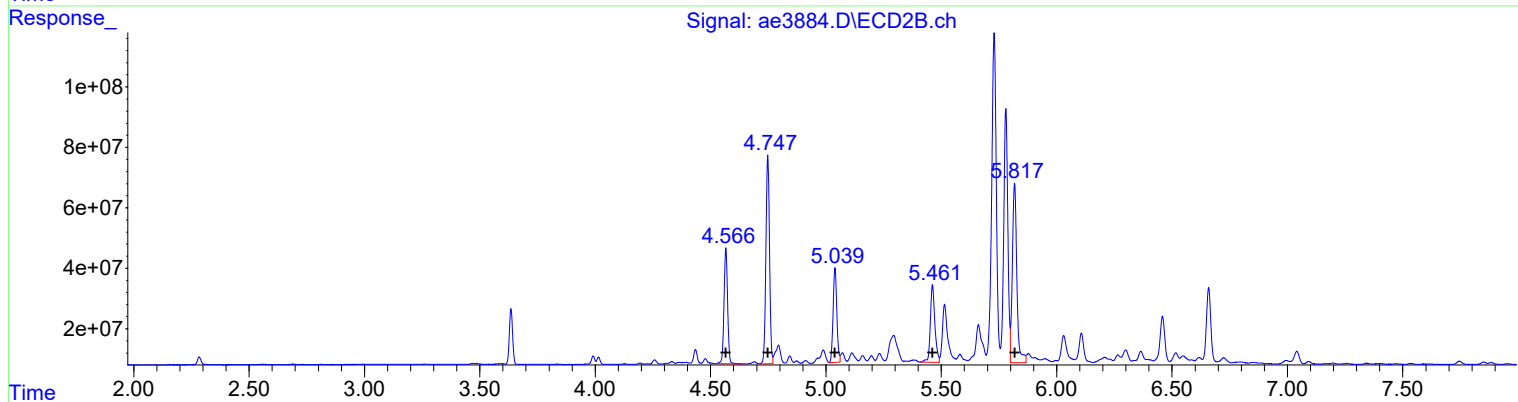
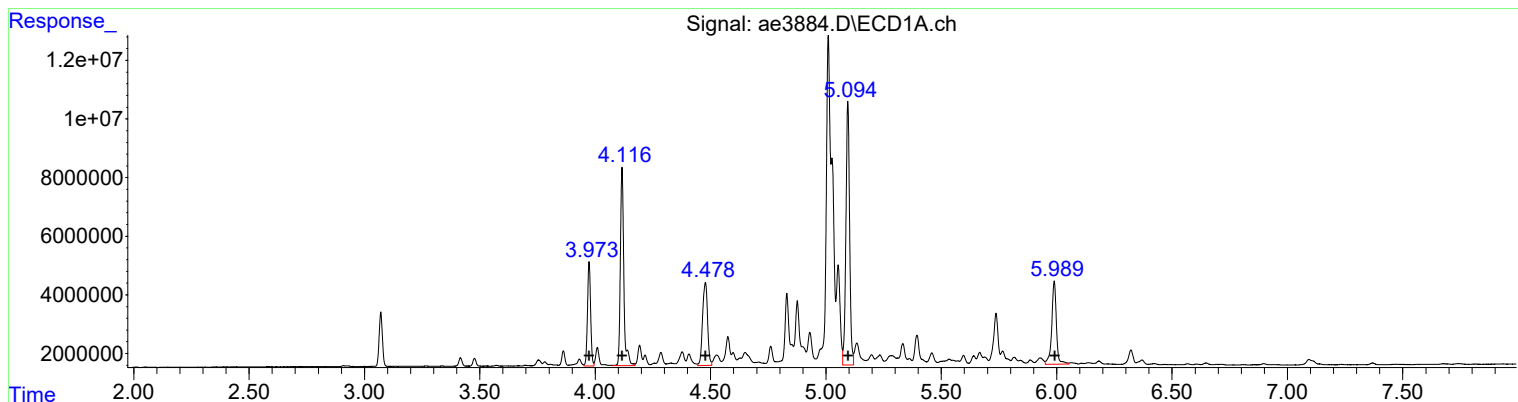
R.T.	Response	Conc
4.57	412927077	239.94
4.75	753115991	240.82
5.04	349268388	233.80
5.46	350168419	236.19
5.82	802133112	238.15

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:16 pm
 Operator : a.moses
 Sample : chlor std 5
 Misc : initial cal.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	33442522	227.54
4.12	70810135	240.38
4.48	42454429	222.94
5.09	100314005	227.04
5.99	39612407	224.39

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	412927077	239.94
4.75	753115991	240.82
5.04	349268388	233.80
5.46	350168419	236.19
5.82	802133112	238.15

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:16 pm
 Operator : a.moses
 Sample : chlor std 5
 Misc : initial cal.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

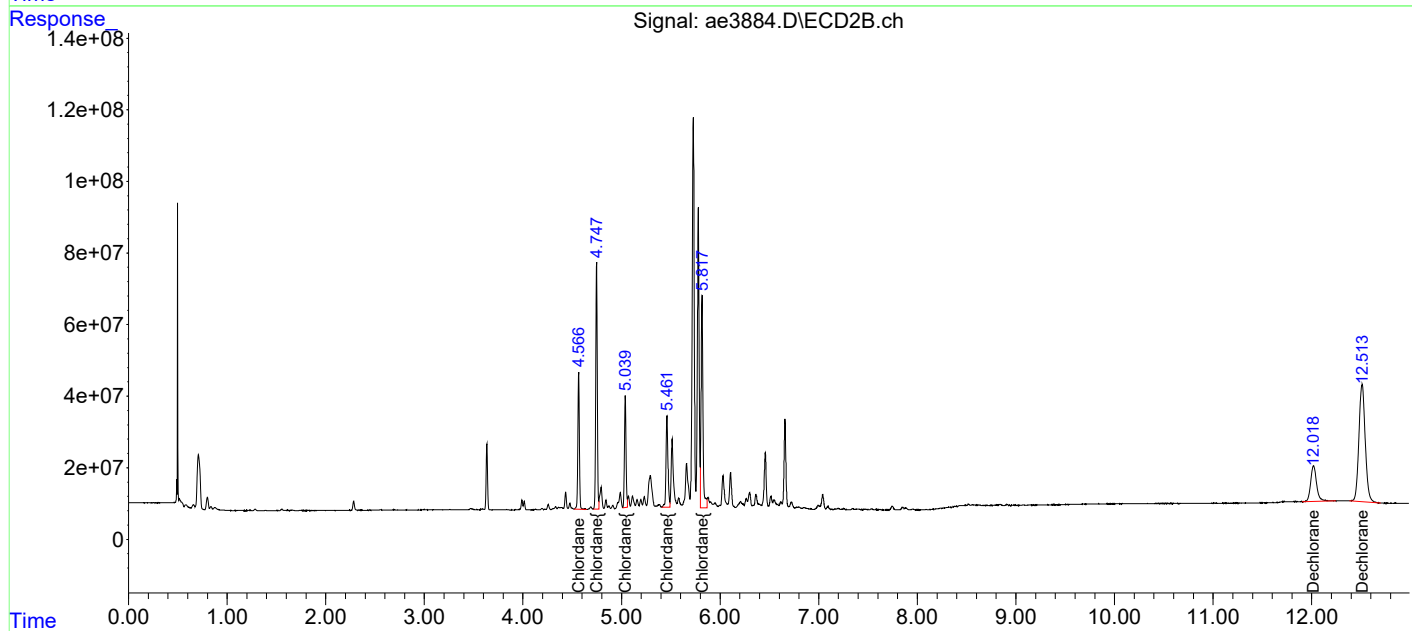
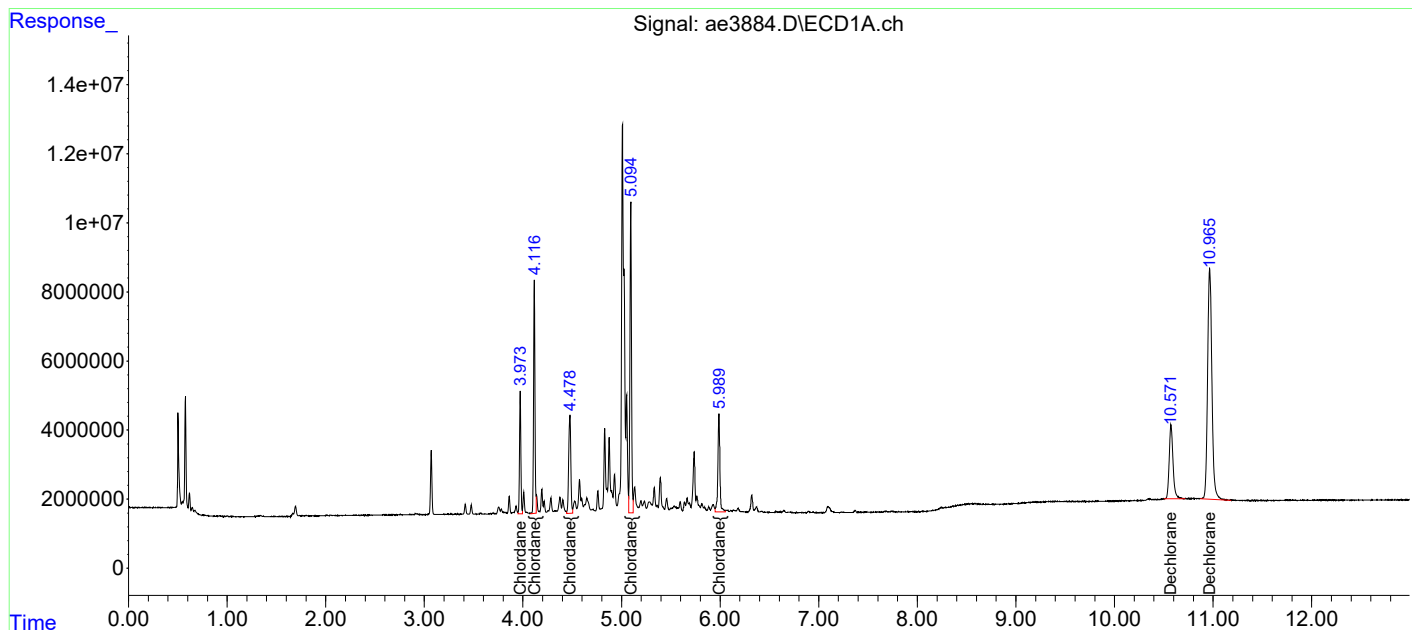
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	33442522	412.9E6	227.541	239.940
33) L9C Chlordane{2}	4.116	4.748	65642761	753.1E6	222.837m	240.815
34) L9C Chlordane{3}	4.478	5.039	42454429	349.3E6	222.939	233.803
35) L9C Chlordane{4}	5.095	5.462	100.3E6	350.2E6	227.040	236.187
36) L9C Chlordane{5}	5.989	5.817	39612407	802.1E6	224.386	238.153
Sum Chlordane			281.5E6	2667.6E6	1124.744	1188.899
Average Chlordane					224.949	237.780
37) L10C Dechloran...	10.571	12.018	57585262	415.0E6	114.205	113.323
38) L10C Dechloran...	10.964	12.511	202.9E6	1463.2E6	112.968	113.075
Sum Dechlorane			260.5E6	1878.2E6	227.174	226.398
Average Dechlorane					113.587	113.199

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:16 pm
Operator : a.moses
Sample : chlor std 5
Misc : initial cal.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

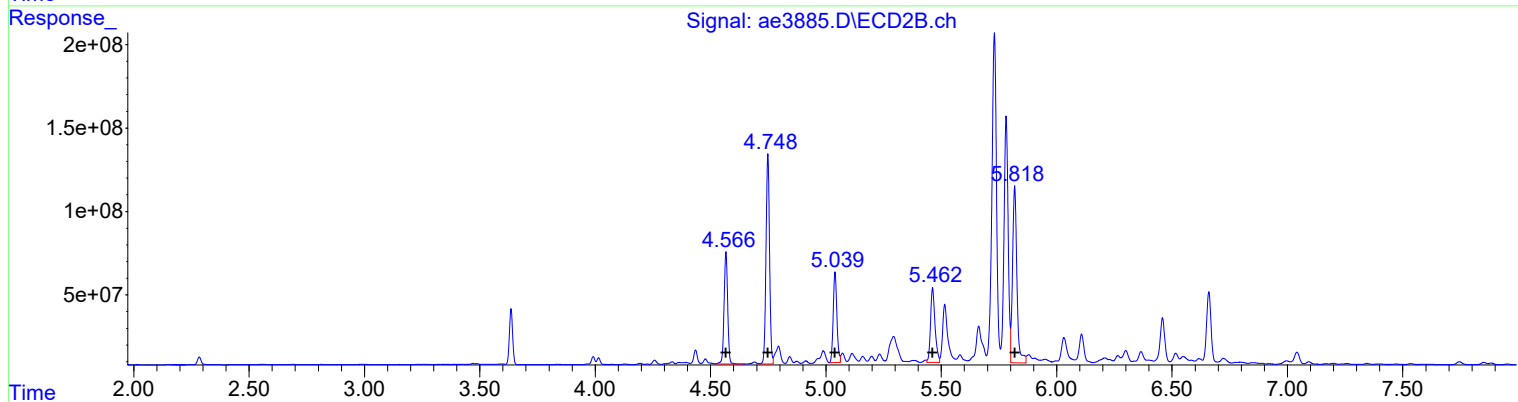
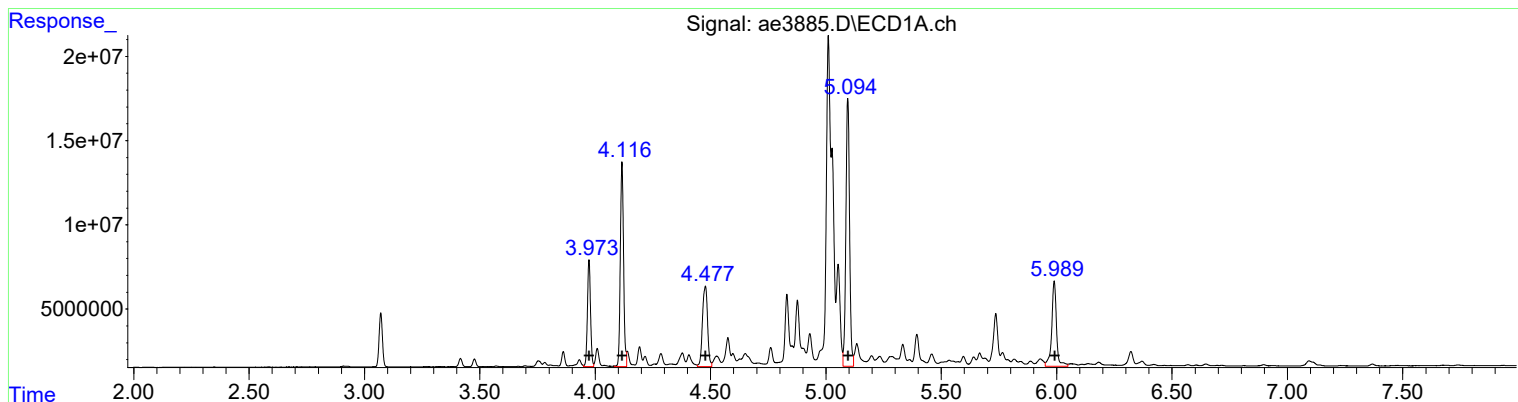
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	59134470	402.35
4.12	118817245	403.35
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

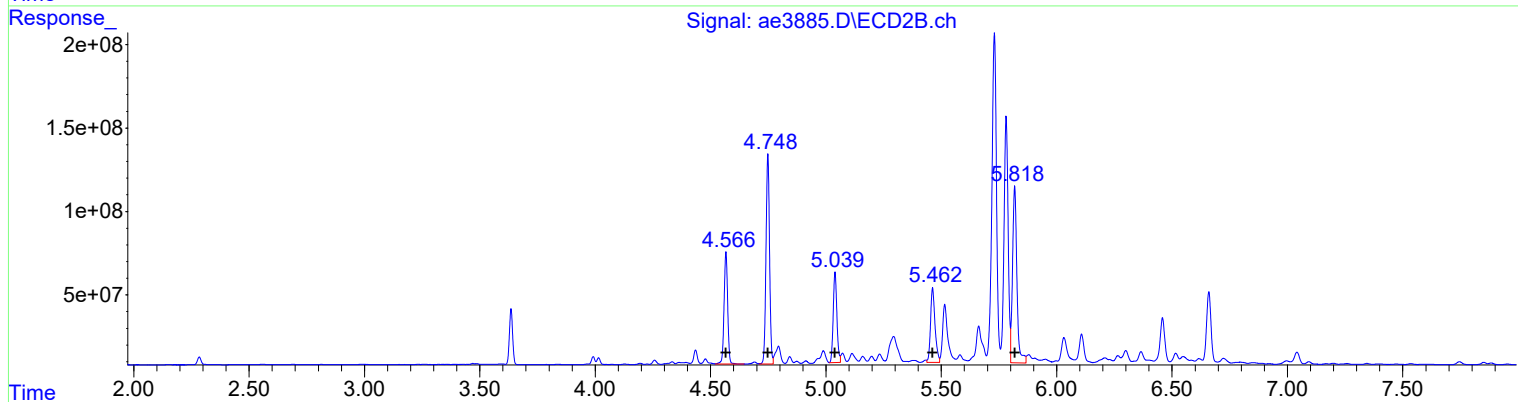
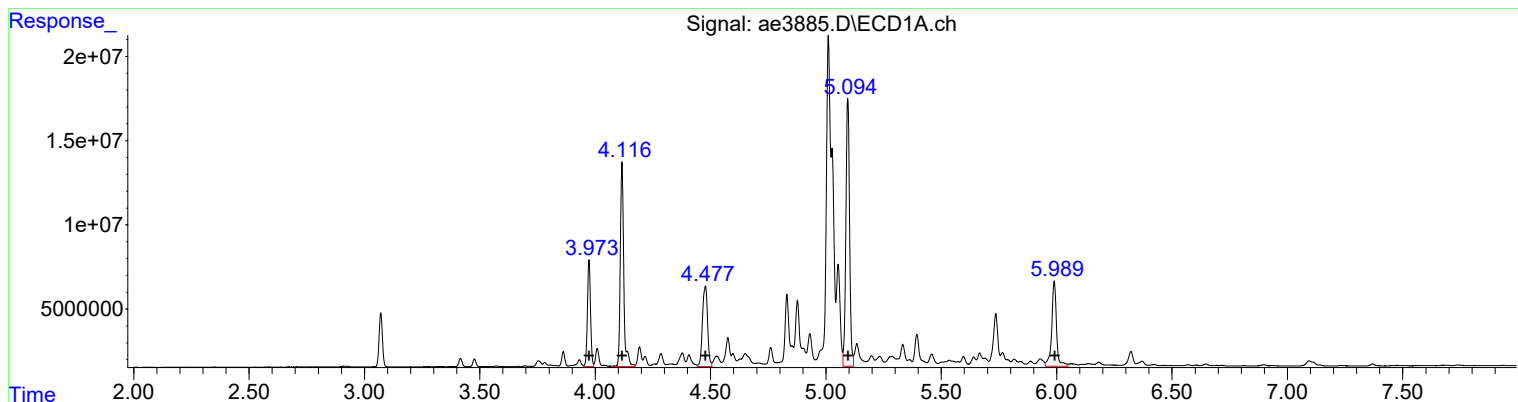
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	59134470	402.35
4.12	126750667	430.28
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

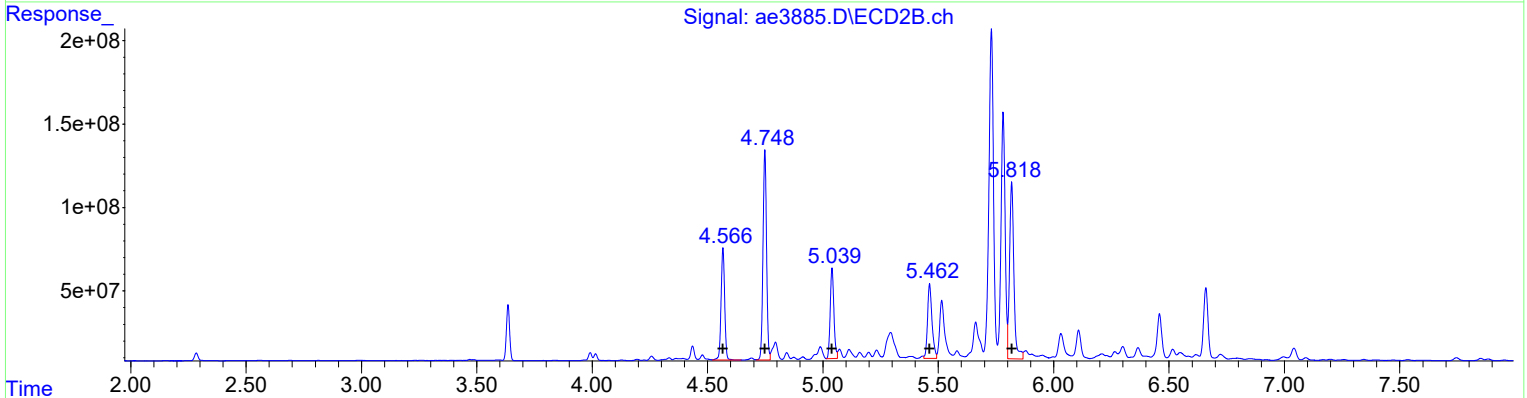
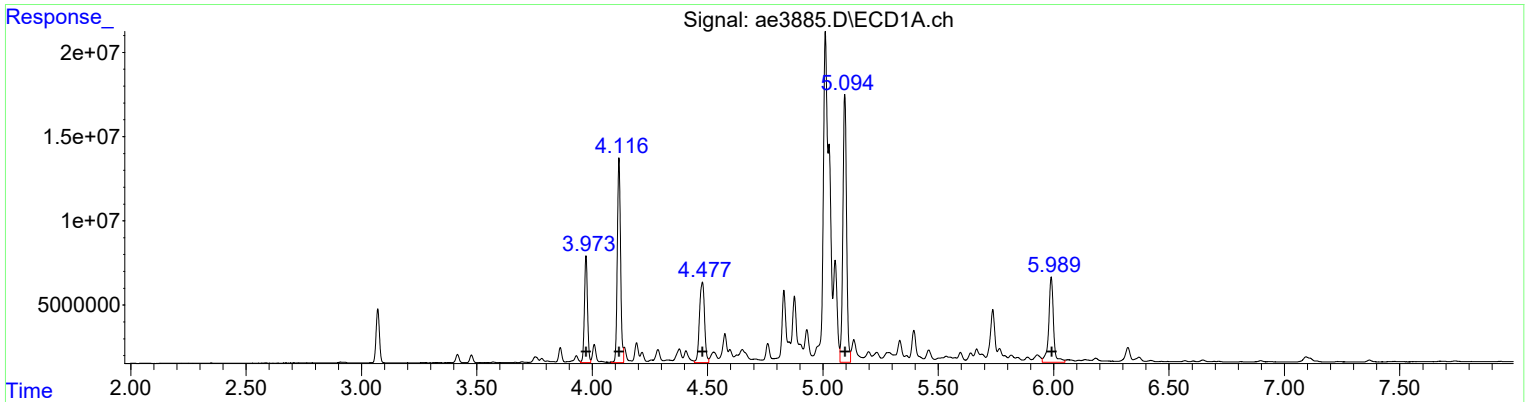
Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:33 pm
 Operator : a.moses
 Sample : chlor std 6
 Misc : initial cal.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:13 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	59134470	402.35
4.12	118817245	403.35
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

Manual Integration:
 After
 Poor integration.
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:33 pm
 Operator : a.moses
 Sample : chlor std 6
 Misc : initial cal.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:13 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

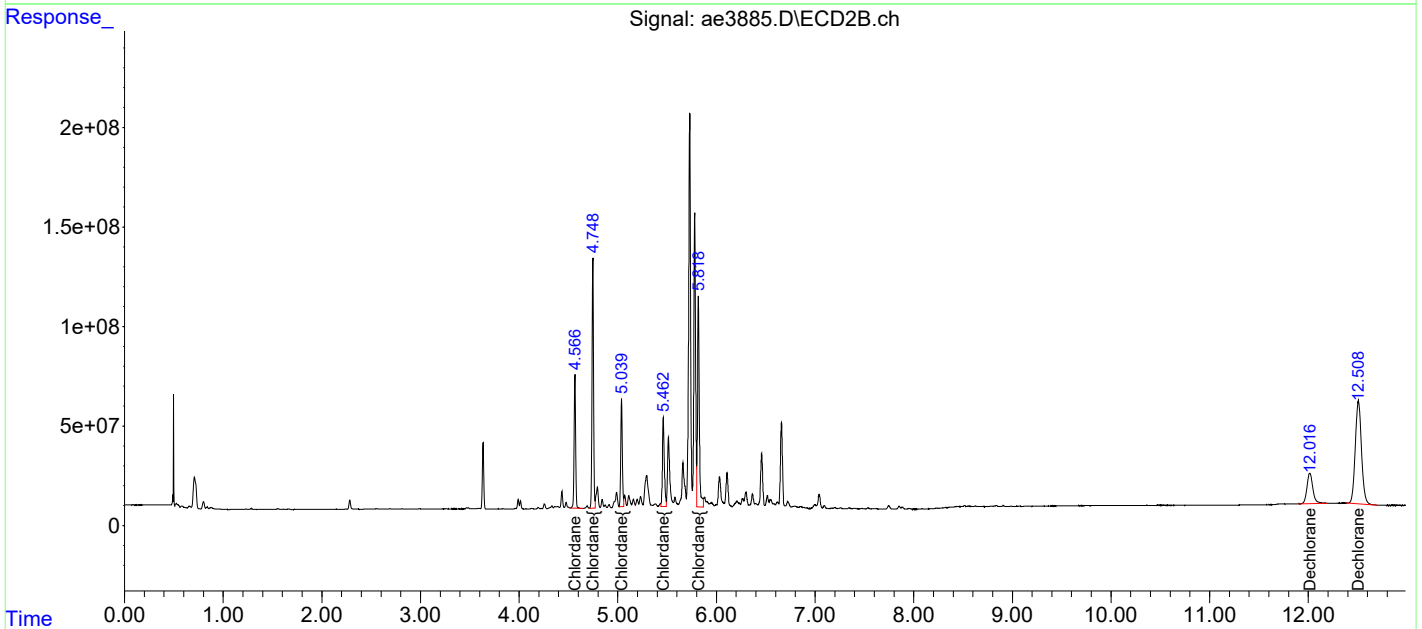
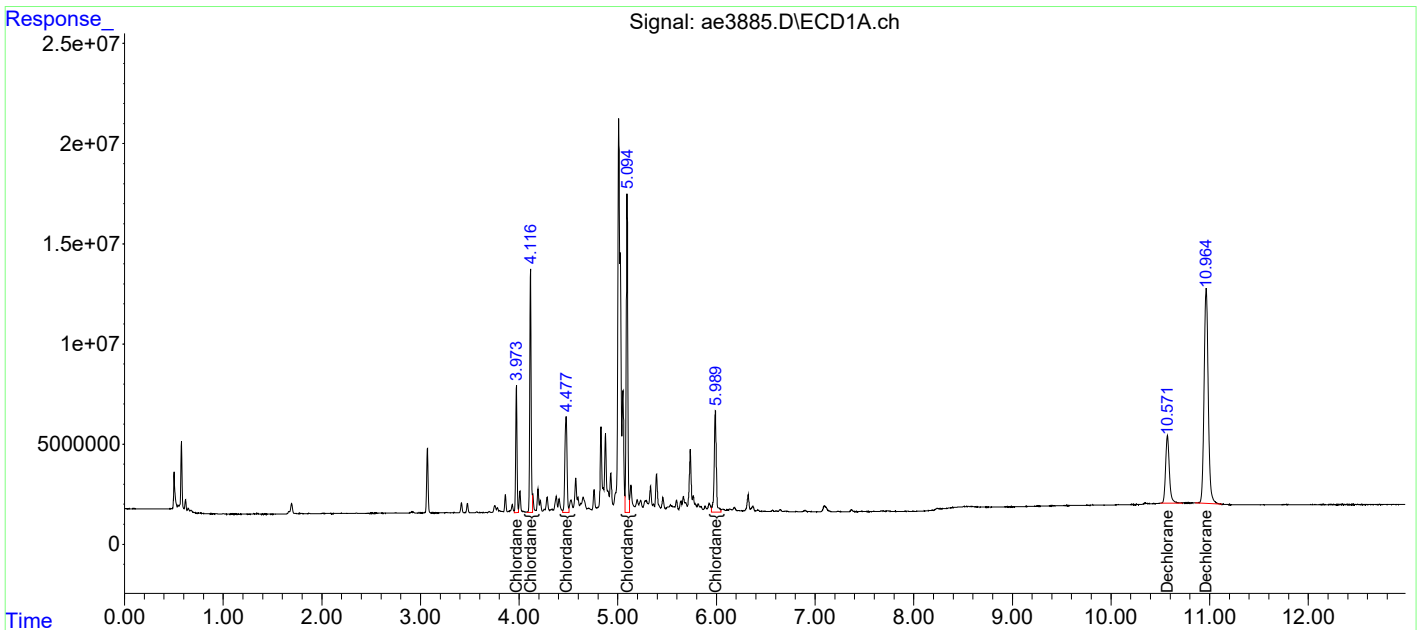
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.567	59134470	724.9E6	402.347	421.246
33) L9C Chlordane{2}	4.116	4.748	118.8E6	1342.0E6	403.349m	429.121
34) L9C Chlordane{3}	4.478	5.039	73299601	598.3E6	384.915	400.483
35) L9C Chlordane{4}	5.095	5.462	177.6E6	603.9E6	401.869	407.303
36) L9C Chlordane{5}	5.989	5.818	72387881	1396.0E6	410.045	414.483
Sum Chlordane			501.2E6	4665.1E6	2002.525	2072.637
Average Chlordane					400.505	414.527
37) L10C Dechloran...	10.572	12.014	88922885	636.6E6	200.415	199.530
38) L10C Dechloran...	10.965	12.507	315.7E6	2274.6E6	201.858	201.900
Sum Dechlorane			404.6E6	2911.2E6	402.273	401.430
Average Dechlorane					201.137	200.715

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

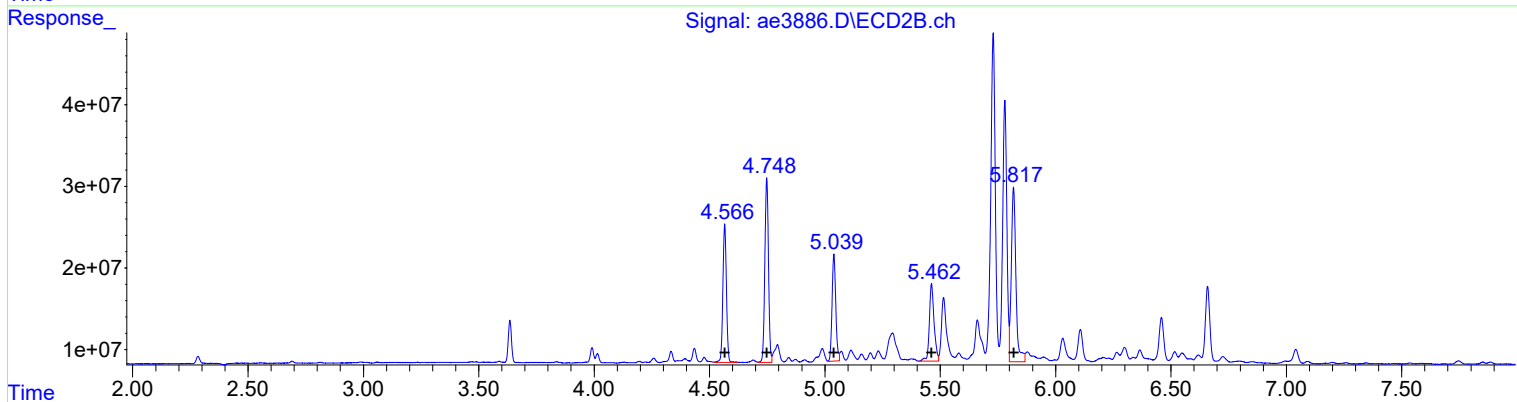
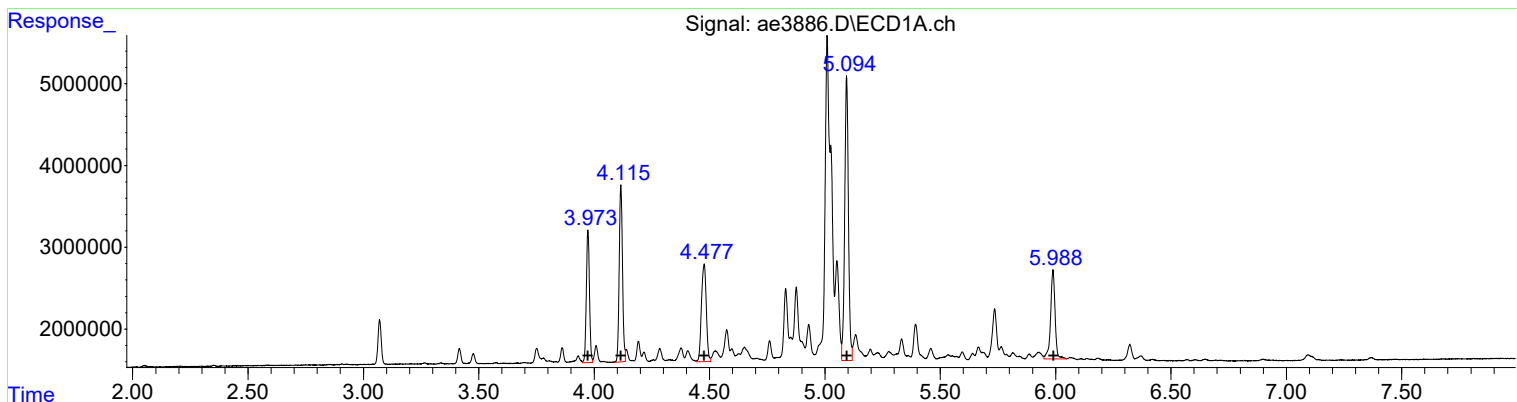
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	15342171	115.46
4.12	21363545	83.39
4.48	17447932	100.89
5.09	39003547	102.14
5.99	14704630	94.19

(32) Chlordane #2 (L9C)

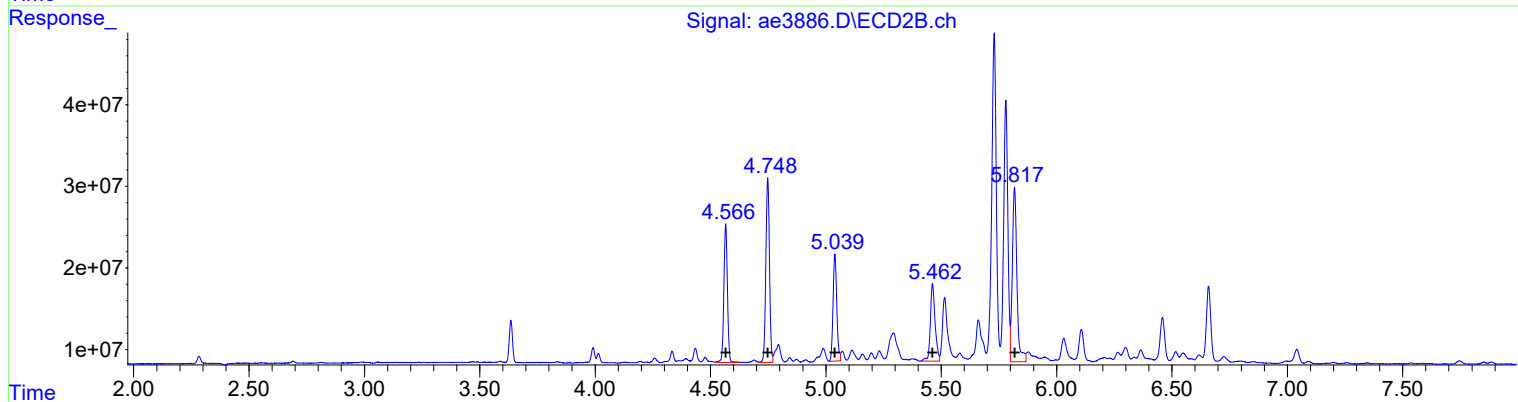
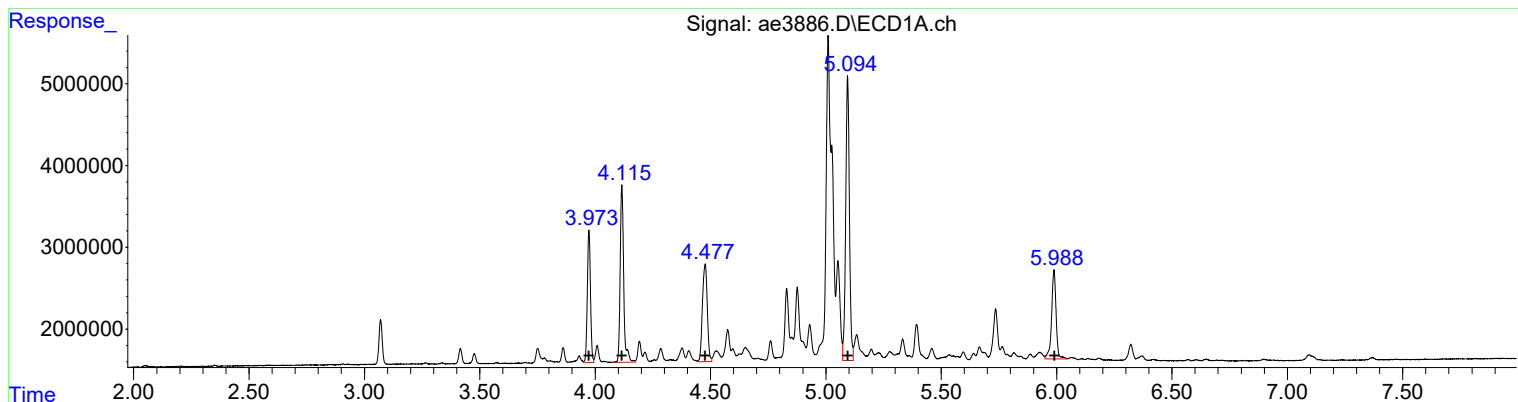
R.T.	Response	Conc
4.57	180704175	110.89
4.75	247469121	84.30
5.04	146408603	102.43
5.46	135483997	97.79
5.82	297566714	95.94

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:51 pm
Operator : a.moses
Sample : chlor icv
Misc : initial cal.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:04:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:04:00 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	15342171	115.46
4.12	22907574	89.42
4.48	17447932	100.89
5.09	39003547	102.14
5.99	14704630	94.19

Manual Integration:
Before
04/29/19

(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	180704175	110.89
4.75	247469121	84.30
5.04	146408603	102.43
5.46	135483997	97.79
5.82	297566714	95.94

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
32 L9C Chlordane	100.000	115.463	-15.5#	125	0.00
33 L9C Chlordane{2}	100.000	83.391	16.6#	92	0.00
34 L9C Chlordane{3}	100.000	100.893	-0.9	109	0.00
35 L9C Chlordane{4}	100.000	102.144	-2.1	111	0.00
36 L9C Chlordane{5}	100.000	94.192	5.8	106	0.00
37 L10CDechlorane{1}	50.000	45.666	8.7	89	0.00
38 L10CDechlorane{2}	50.000	45.082	9.8	89	0.00

Signal #2

32 L9C Chlordane	100.000	110.886	-10.9	118	0.00
33 L9C Chlordane{2}	100.000	84.297	15.7#	91	0.00
34 L9C Chlordane{3}	100.000	102.427	-2.4	110	0.00
35 L9C Chlordane{4}	100.000	97.793	2.2	106	0.00
36 L9C Chlordane{5}	100.000	95.936	4.1	104	0.00
37 L10CDechlorane{1}	50.000	45.982	8.0	87	0.00
38 L10CDechlorane{2}	50.000	45.996	8.0	88	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-3.46#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.54#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-3.83#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.12#
6 tcm Aldrin	10.000	0.000	100.0#	0	-4.37#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.01#
8 TC delta-BHC	10.000	0.000	100.0#	0	-4.24#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-4.81#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.15#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.01#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.10#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.26#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-5.41#
15 tcm Endrin	10.000	0.000	100.0#	0	-5.71#
16 tc KEPONE	1500.000	0.000	100.0#	0	-5.82#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-5.96#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-5.80#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.07#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.18#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.39#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-6.77#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.26#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.03#
25 tc Mirex	10.000	0.000	100.0#	0	-7.18#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.30#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-6.81#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-4.04#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.97#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-4.24#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.75#
6 tcm Aldrin	10.000	0.000	100.0#	0	-5.04#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.45#
8 tc delta-BHC	10.000	0.000	100.0#	0	-4.68#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-5.43#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.83#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.73#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.78#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.90#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-6.08#
15 tcm Endrin	10.000	0.000	100.0#	0	-6.32#
16 tc KEPONE	1500.000	0.000	100.0#	0	-6.62#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-6.58#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-6.42#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.75#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.69#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.99#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-7.21#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.51#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.47#
25 tc Mirex	10.000	0.000	100.0#	0	-8.04#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.91#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-7.35#

(#) = Out of Range

SPCC's out = 0 CCC's out = 61

Analysis: 8081
 Date: 4/26/19
 Syringes: _____

Analyst: A. Moses
 Instr. 7890N R-GC-63
229100048

Run Method: 8081a.m
 Quant Method: 8081a2619.m
 LIMS Run#: _____

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLW			AE3841-76	—	
	BLK			AE3847	✓	
	PEM		195405	48	✓	
	8081 std 1		147676	49	✓	
	2		75	50	✓	
	3		74	51	✓	
	4		73	52	✓	
	5		72	53	✓	
	6		71	54	✓	
	7		70	55	✓	
	↓ ICV		↓ 80	56	✓	
	Tox std 1 (20)		196988	57	✓	
	2 (100)		196049	58	✓	
	3 (250)		50	59	✓	
	4 (500)		51	60	✓	
	5 (750)		52	61	✓	
	6 (1,000)		53	62	✓	
	↓ ICV		↓ 55	63	✓	
	Chlor std 1		196635	64	H	
	2		076 076	65	↓	
	3		076 077	66	↓	
	4		079 078	67	↓	
	5		079	68	↓	
	6		080	69	↓	
	↓ ICV		↓ 082	70	↓	
	WF std 1		197315	71	✓	
	2		14	72	✓	
	3		13	73	✓	
	4		12	74	✓	
	5		11	75	✓	
	6		↓ 10	76	✓	
	↓ ICV		195647	77	✓	
	BLK			78	✓	
	PEM		195405	79	✓	
	Chlor std 1		196635	80	✓	
	2		076	81	✓	
	3		077	82	✓	
	4		078	83	✓	
	5		079	84	✓	
	6		080	85	✓	
	↓ ICV		↓ 082	86	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLP

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900048-01	8081 std 1	I:\ACQUADATA\7890N.net\data\042619\ae3849.D	04/26/2019 14:50
02	RC1900048-02	8081 std 2	I:\ACQUADATA\7890N.net\data\042619\ae3850.D	04/26/2019 15:08
03	RC1900048-03	8081 std 3	I:\ACQUADATA\7890N.net\data\042619\ae3851.D	04/26/2019 15:25
04	RC1900048-04	8081 std 4	I:\ACQUADATA\7890N.net\data\042619\ae3852.D	04/26/2019 15:43
05	RC1900048-05	8081 std 5	I:\ACQUADATA\7890N.net\data\042619\ae3853.D	04/26/2019 16:00
06	RC1900048-06	8081 std 6	I:\ACQUADATA\7890N.net\data\042619\ae3854.D	04/26/2019 16:18
07	RC1900048-07	8081 std 7	I:\ACQUADATA\7890N.net\data\042619\ae3855.D	04/26/2019 16:35
09	RC1900048-09	tox std 1	I:\ACQUADATA\7890N.net\data\042619\ae3857.D	04/26/2019 17:11
10	RC1900048-10	tox std 2	I:\ACQUADATA\7890N.net\data\042619\ae3858.D	04/26/2019 17:28
11	RC1900048-11	tox std 3	I:\ACQUADATA\7890N.net\data\042619\ae3859.D	04/26/2019 17:46
12	RC1900048-12	tox std 4	I:\ACQUADATA\7890N.net\data\042619\ae3860.D	04/26/2019 18:03
13	RC1900048-13	tox std 5	I:\ACQUADATA\7890N.net\data\042619\ae3861.D	04/26/2019 18:21
14	RC1900048-14	tox std 6	I:\ACQUADATA\7890N.net\data\042619\ae3862.D	04/26/2019 18:38
16	RC1900048-16	k/f std 1	I:\ACQUADATA\7890N.net\data\042619\ae3871.D	04/26/2019 21:17
17	RC1900048-17	k/f std 2	I:\ACQUADATA\7890N.net\data\042619\ae3872.D	04/26/2019 21:34
18	RC1900048-18	k/f std 3	I:\ACQUADATA\7890N.net\data\042619\ae3873.D	04/26/2019 21:52
19	RC1900048-19	k/f std 4	I:\ACQUADATA\7890N.net\data\042619\ae3874.D	04/26/2019 22:09
20	RC1900048-20	k/f std 5	I:\ACQUADATA\7890N.net\data\042619\ae3875.D	04/26/2019 22:27
21	RC1900048-21	k/f std 6	I:\ACQUADATA\7890N.net\data\042619\ae3876.D	04/26/2019 22:44
23	RC1900048-23	chlor std 1	I:\ACQUADATA\7890N.net\data\042619\ae3880.D	04/29/2019 11:05
24	RC1900048-24	chlor std 2	I:\ACQUADATA\7890N.net\data\042619\ae3881.D	04/29/2019 11:22
25	RC1900048-25	chlor std 3	I:\ACQUADATA\7890N.net\data\042619\ae3882.D	04/29/2019 11:40
26	RC1900048-26	chlor std 4	I:\ACQUADATA\7890N.net\data\042619\ae3883.D	04/29/2019 11:58
27	RC1900048-27	chlor std 5	I:\ACQUADATA\7890N.net\data\042619\ae3884.D	04/29/2019 12:16
28	RC1900048-28	chlor std 6	I:\ACQUADATA\7890N.net\data\042619\ae3885.D	04/29/2019 12:33

Analyte

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.71E6	02	2.000	4.813E6	03	5.000	5.289E6	04	10.000	5.685E6
05	50.000	4.562E6	06	100.000	3.273E6	07	200.000	3.711E6			

Endrin

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.714E6	02	2.000	4.664E6	03	5.000	4.928E6	04	10.000	5.908E6
05	50.000	5.759E6	06	100.000	4.513E6	07	200.000	5.465E6			

Heptachlor

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	6.005E6	02	2.000	5.571E6	03	5.000	5.967E6	04	10.000	6.914E6

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLP

Analyte

Heptachlor											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	6.502E6	06	100.000	5.284E6	07	200.000	5.83E6			
Heptachlor Epoxide											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	5.24E6	02	2.000	5.224E6	03	5.000	5.485E6	04	10.000	6.335E6
05	50.000	5.887E6	06	100.000	4.687E6	07	200.000	5.388E6			
Methoxychlor											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.643E6	02	2.000	2.619E6	03	5.000	2.921E6	04	10.000	3.306E6
05	50.000	2.92E6	06	100.000	2.114E6	07	200.000	2.618E6			
Tetrachloro-m-xylene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.873E6	02	2.000	4.811E6	03	5.000	4.724E6	04	10.000	5.211E6
05	50.000	4.714E6	06	100.000	3.989E6	07	200.000	4.095E6			
gamma-BHC (Lindane)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	5.785E6	02	2.000	5.415E6	03	5.000	5.83E6	04	10.000	6.597E6
05	50.000	6.339E6	06	100.000	5.365E6	07	200.000	5.829E6			

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLP

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Decachlorobiphenyl	SURR	Average RF	% RSD	18.4	20	4.578E6	
Endrin	TRG	Average RF	% RSD	11.0	20	5.136E6	
Heptachlor	TRG	Average RF	% RSD	9.2	20	6.01E6	
Heptachlor Epoxide	TRG	Average RF	% RSD	9.6	20	5.464E6	
Methoxychlor	TRG	Average RF	% RSD	13.5	20	2.734E6	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	9.4	20	4.631E6	
gamma-BHC (Lindane)	TRG	Average RF	% RSD	7.7	20	5.88E6	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLPII

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900048-01	8081 std 1	I:\ACQUADATA\7890N.net\data\042619\ae3849.D	04/26/2019 14:50
02	RC1900048-02	8081 std 2	I:\ACQUADATA\7890N.net\data\042619\ae3850.D	04/26/2019 15:08
03	RC1900048-03	8081 std 3	I:\ACQUADATA\7890N.net\data\042619\ae3851.D	04/26/2019 15:25
04	RC1900048-04	8081 std 4	I:\ACQUADATA\7890N.net\data\042619\ae3852.D	04/26/2019 15:43
05	RC1900048-05	8081 std 5	I:\ACQUADATA\7890N.net\data\042619\ae3853.D	04/26/2019 16:00
06	RC1900048-06	8081 std 6	I:\ACQUADATA\7890N.net\data\042619\ae3854.D	04/26/2019 16:18
07	RC1900048-07	8081 std 7	I:\ACQUADATA\7890N.net\data\042619\ae3855.D	04/26/2019 16:35
09	RC1900048-09	tox std 1	I:\ACQUADATA\7890N.net\data\042619\ae3857.D	04/26/2019 17:11
10	RC1900048-10	tox std 2	I:\ACQUADATA\7890N.net\data\042619\ae3858.D	04/26/2019 17:28
11	RC1900048-11	tox std 3	I:\ACQUADATA\7890N.net\data\042619\ae3859.D	04/26/2019 17:46
12	RC1900048-12	tox std 4	I:\ACQUADATA\7890N.net\data\042619\ae3860.D	04/26/2019 18:03
13	RC1900048-13	tox std 5	I:\ACQUADATA\7890N.net\data\042619\ae3861.D	04/26/2019 18:21
14	RC1900048-14	tox std 6	I:\ACQUADATA\7890N.net\data\042619\ae3862.D	04/26/2019 18:38
16	RC1900048-16	k/f std 1	I:\ACQUADATA\7890N.net\data\042619\ae3871.D	04/26/2019 21:17
17	RC1900048-17	k/f std 2	I:\ACQUADATA\7890N.net\data\042619\ae3872.D	04/26/2019 21:34
18	RC1900048-18	k/f std 3	I:\ACQUADATA\7890N.net\data\042619\ae3873.D	04/26/2019 21:52
19	RC1900048-19	k/f std 4	I:\ACQUADATA\7890N.net\data\042619\ae3874.D	04/26/2019 22:09
20	RC1900048-20	k/f std 5	I:\ACQUADATA\7890N.net\data\042619\ae3875.D	04/26/2019 22:27
21	RC1900048-21	k/f std 6	I:\ACQUADATA\7890N.net\data\042619\ae3876.D	04/26/2019 22:44
23	RC1900048-23	chlor std 1	I:\ACQUADATA\7890N.net\data\042619\ae3880.D	04/29/2019 11:05
24	RC1900048-24	chlor std 2	I:\ACQUADATA\7890N.net\data\042619\ae3881.D	04/29/2019 11:22
25	RC1900048-25	chlor std 3	I:\ACQUADATA\7890N.net\data\042619\ae3882.D	04/29/2019 11:40
26	RC1900048-26	chlor std 4	I:\ACQUADATA\7890N.net\data\042619\ae3883.D	04/29/2019 11:58
27	RC1900048-27	chlor std 5	I:\ACQUADATA\7890N.net\data\042619\ae3884.D	04/29/2019 12:16
28	RC1900048-28	chlor std 6	I:\ACQUADATA\7890N.net\data\042619\ae3885.D	04/29/2019 12:33

Analyte

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	3.95E7	02	2.000	4.067E7	03	5.000	4.377E7	04	10.000	4.788E7
05	50.000	4.107E7	06	100.000	3.081E7	07	200.000	3.869E7			

Endrin

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	5.264E7	02	2.000	5.114E7	03	5.000	5.092E7	04	10.000	5.611E7
05	50.000	5.524E7	06	100.000	4.402E7	07	200.000	5.617E7			

Heptachlor

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	6.037E7	02	2.000	5.865E7	03	5.000	6.224E7	04	10.000	7.12E7

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLPII

Analyte

Heptachlor											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	6.807E7	06	100.000	5.674E7	07	200.000	6.478E7			

Heptachlor Epoxide											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	5.258E7	02	2.000	5.093E7	03	5.000	5.29E7	04	10.000	6.117E7
05	50.000	5.83E7	06	100.000	4.757E7	07	200.000	5.733E7			

Methoxychlor											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.434E7	02	2.000	2.46E7	03	5.000	2.728E7	04	10.000	2.753E7
05	50.000	2.571E7	06	100.000	1.864E7	07	200.000	2.411E7			

Tetrachloro-m-xylene											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	4.596E7	02	2.000	4.611E7	03	5.000	4.472E7	04	10.000	4.949E7
05	50.000	4.61E7	06	100.000	3.991E7	07	200.000	4.281E7			

gamma-BHC (Lindane)											
#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	5.604E7	02	2.000	5.427E7	03	5.000	5.667E7	04	10.000	6.492E7
05	50.000	6.401E7	06	100.000	5.585E7	07	200.000	6.315E7			

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLPII

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Decachlorobiphenyl	SURR	Average RF	% RSD	12.9	20	4.034E7	
Endrin	TRG	Average RF	% RSD	8.2	20	5.232E7	
Heptachlor	TRG	Average RF	% RSD	8.2	20	6.315E7	
Heptachlor Epoxide	TRG	Average RF	% RSD	8.7	20	5.44E7	
Methoxychlor	TRG	Average RF	% RSD	12.1	20	2.46E7	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	6.7	20	4.501E7	
gamma-BHC (Lindane)	TRG	Average RF	% RSD	7.6	20	5.927E7	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Verification Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLP

#	Lab Code	Sample Name	File Location	Acquisition Date
08	RC1900048-08	8081 icv	I:\ACQUDATA\7890N.net\data\042619\ae3856.D	04/26/2019 16:53
15	RC1900048-15	tox icv	I:\ACQUDATA\7890N.net\data\042619\ae3863.D	04/26/2019 18:56
22	RC1900048-22	k/f icv	I:\ACQUDATA\7890N.net\data\042619\ae3877.D	04/26/2019 23:02
29	RC1900048-29	chlor icv	I:\ACQUDATA\7890N.net\data\042619\ae3886.D	04/29/2019 12:51

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chlordane	100	99.2			-0.783	±25	NA
Endrin	10.0	9.06	5.136E6	4.653E6	-9.392	±25	Average RF
gamma-BHC (Lindane)	10.0	9.08	5.88E6	5.338E6	-9.212	±25	Average RF
Heptachlor	10.0	9.08	6.01E6	5.46E6	-9.155	±25	Average RF
Heptachlor Epoxide	10.0	9.04	5.464E6	4.938E6	-9.619	±25	Average RF
Methoxychlor	10.0	9.27	2.734E6	2.536E6	-7.253	±25	Average RF
Toxaphene	500	520			3.91	±25	NA

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/26/2019

Initial Calibration Verification Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Calibration ID: RC1900048
Instrument ID: R-GC-63

Signal ID: DB-CLPII

#	Lab Code	Sample Name	File Location	Acquisition Date
08	RC1900048-08	8081 icv	I:\ACQUDATA\7890N.net\data\042619\ae3856.D	04/26/2019 16:53
15	RC1900048-15	tox icv	I:\ACQUDATA\7890N.net\data\042619\ae3863.D	04/26/2019 18:56
22	RC1900048-22	k/f icv	I:\ACQUDATA\7890N.net\data\042619\ae3877.D	04/26/2019 23:02
29	RC1900048-29	chlor icv	I:\ACQUDATA\7890N.net\data\042619\ae3886.D	04/29/2019 12:51

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Chlordane	100	98.3			-1.732	±25	NA
Endrin	10.0	8.82	5.232E7	4.616E7	-11.776	±25	Average RF
gamma-BHC (Lindane)	10.0	8.80	5.927E7	5.218E7	-11.962	±25	Average RF
Heptachlor	10.0	8.88	6.315E7	5.605E7	-11.246	±25	Average RF
Heptachlor Epoxide	10.0	8.85	5.44E7	4.813E7	-11.517	±25	Average RF
Methoxychlor	10.0	8.96	2.46E7	2.203E7	-10.434	±25	Average RF
Toxaphene	500	439			-12.208	±25	NA

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 13:54

Continuing Calibration Verification (CCV) Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
File ID: I:\ACQUADATA\7890N.net\data\051319\ae4082.D\
Signal ID: DB-CLPII

Calibration Date: 4/26/2019
Calibration ID: RC1900048
Analysis Lot: 635328
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Endrin	50.0	60.7	5.232E7	6.347E7	21.3*	NA	±20	Average RF
gamma-BHC (Lindane)	50.0	62.3	5.927E7	7.38E7	24.5*	NA	±20	Average RF
Heptachlor	50.0	61.3	6.315E7	7.736E7	22.5*	NA	±20	Average RF
Heptachlor Epoxide	50.0	60.9	5.44E7	6.621E7	21.7*	NA	±20	Average RF
Methoxychlor	50.0	63.9	2.46E7	3.146E7	27.9*	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	50.0	67.9	4.034E7	5.479E7	35.8*	NA	±20	Average RF
Tetrachloro-m-xylene	50.0	59.0	4.501E7	5.312E7	18.0	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 13:54

Continuing Calibration Verification (CCV) Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
File ID: I:\ACQUADATA\7890N.net\data\051319\ae4082.D\
Signal ID: DB-CLP

Calibration Date: 4/26/2019
Calibration ID: RC1900048
Analysis Lot: 635328
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Endrin	50.0	60.8	5.136E6	6.242E6	21.5*	NA	±20	Average RF
gamma-BHC (Lindane)	50.0	60.1	5.88E6	7.069E6	20.2	NA	±20	Average RF
Heptachlor	50.0	59.2	6.01E6	7.118E6	18.4	NA	±20	Average RF
Heptachlor Epoxide	50.0	58.6	5.464E6	6.405E6	17.2	NA	±20	Average RF
Methoxychlor	50.0	59.8	2.734E6	3.271E6	19.6	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	50.0	59.1	4.578E6	5.411E6	18.2	NA	±20	Average RF
Tetrachloro-m-xylene	50.0	56.8	4.631E6	5.261E6	13.6	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 16:33

Continuing Calibration Verification (CCV) Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
File ID: I:\ACQUADATA\7890N.net\data\051319\ae4091.D\
Signal ID: DB-CLPII

Calibration Date: 4/26/2019
Calibration ID: RC1900048
Analysis Lot: 635328
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Endrin	50.0	50.9	5.232E7	5.33E7	1.9	NA	±20	Average RF
gamma-BHC (Lindane)	50.0	57.7	5.927E7	6.837E7	15.3	NA	±20	Average RF
Heptachlor	50.0	55.5	6.315E7	7.011E7	11.0	NA	±20	Average RF
Heptachlor Epoxide	50.0	53.5	5.44E7	5.816E7	6.9	NA	±20	Average RF
Methoxychlor	50.0	51.5	2.46E7	2.536E7	3.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	50.0	55.0	4.034E7	4.434E7	9.9	NA	±20	Average RF
Tetrachloro-m-xylene	50.0	55.6	4.501E7	5.009E7	11.3	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/13/19 16:33

Continuing Calibration Verification (CCV) Summary
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B
File ID: I:\ACQUADATA\7890N.net\data\051319\ae4091.D\
Signal ID: DB-CLP

Calibration Date: 4/26/2019
Calibration ID: RC1900048
Analysis Lot: 635328
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Endrin	50.0	53.0	5.136E6	5.448E6	6.1	NA	±20	Average RF
gamma-BHC (Lindane)	50.0	56.8	5.88E6	6.675E6	13.5	NA	±20	Average RF
Heptachlor	50.0	54.8	6.01E6	6.591E6	9.7	NA	±20	Average RF
Heptachlor Epoxide	50.0	52.9	5.464E6	5.783E6	5.8	NA	±20	Average RF
Methoxychlor	50.0	50.9	2.734E6	2.781E6	1.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	50.0	51.6	4.578E6	4.722E6	3.2	NA	±20	Average RF
Tetrachloro-m-xylene	50.0	54.7	4.631E6	5.064E6	9.4	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

Analysis Run Log
TCLP Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081B

Analysis Lot:635328
Instrument ID:R-GC-63

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUADATA\7890N.net\data\051319 \ae4082.D\	Continuing Calibration Verification	RQ1904516-02	5/13/2019	13:54:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4083.D\	Performance Evaluation	RQ1904516-01	5/13/2019	14:12:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4084.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:30:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4085.D\	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:47:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4086.D\	IDW-1	R1903955-001	5/13/2019	15:05:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4087.D\	Method Blank	RQ1904325-01	5/13/2019	15:22:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4088.D\	Method Blank	RQ1904366-01	5/13/2019	15:40:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4089.D\	Lab Control Sample	RQ1904366-02	5/13/2019	15:57:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4090.D\	Duplicate Lab Control Sample	RQ1904366-03	5/13/2019	16:15:00	
I:\ACQUADATA\7890N.net\data\051319 \ae4091.D\	Continuing Calibration Verification	RQ1904516-03	5/13/2019	16:33:00	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

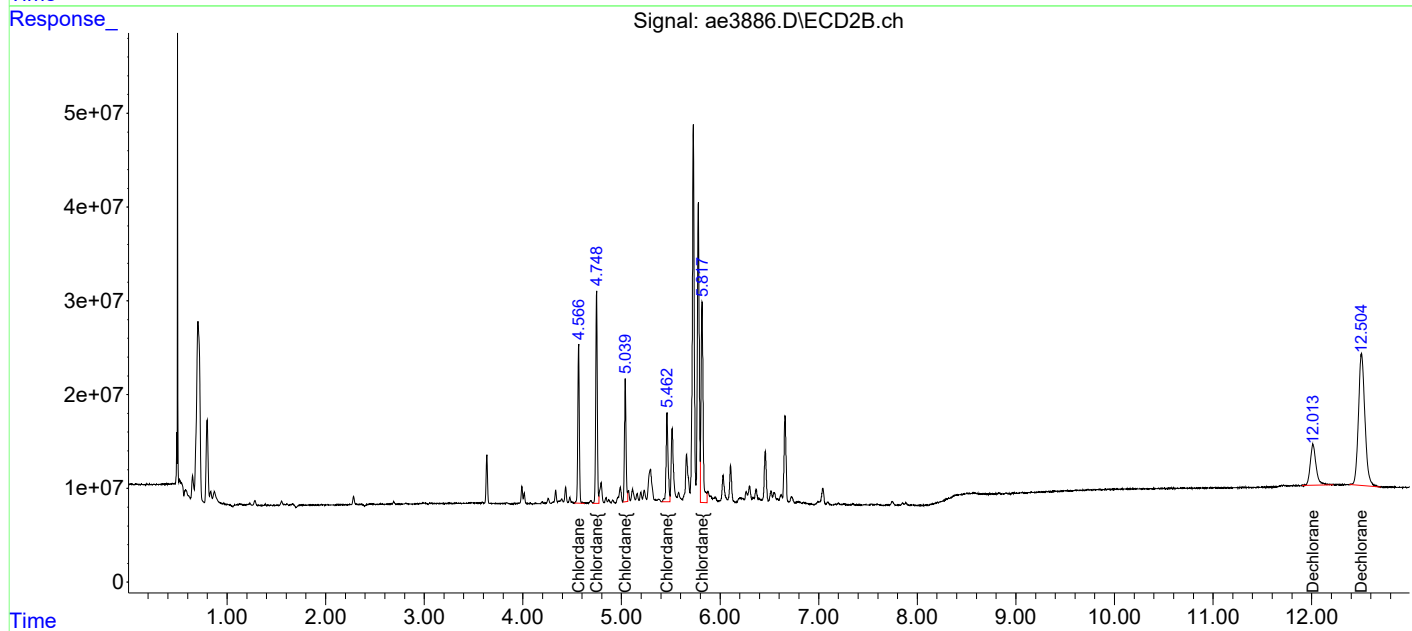
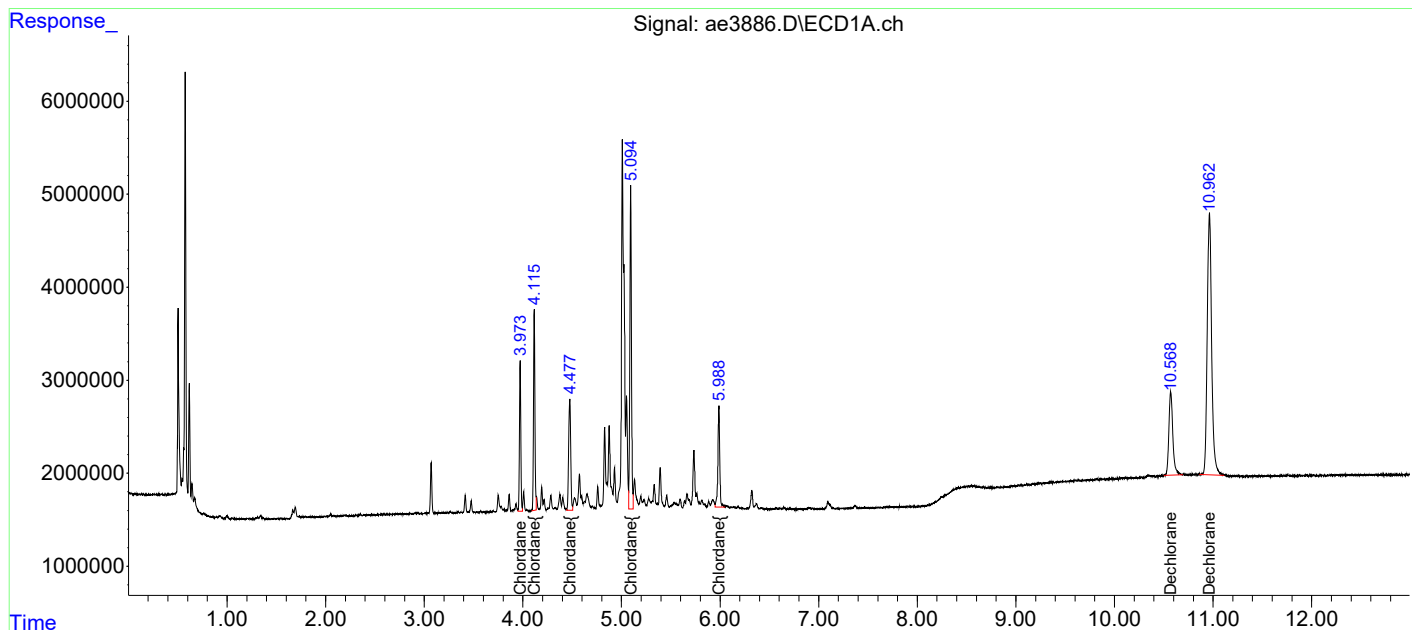
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	15342171	180.7E6	115.463	110.886
33) L9C Chlordane{2}	4.115	4.748	21363545	247.5E6	83.391m	84.297
34) L9C Chlordane{3}	4.477	5.039	17447932	146.4E6	100.893	102.427
35) L9C Chlordane{4}	5.094	5.462	39003547	135.5E6	102.144	97.793
36) L9C Chlordane{5}	5.989	5.818	14704630	297.6E6	94.192	95.936
Sum Chlordane			107.9E6	1007.6E6	496.084	491.338
Average Chlordane					99.217	98.268
37) L10C Dechloran...	10.569	12.013	24902209	179.0E6	45.666	45.982
38) L10C Dechloran...	10.963	12.505	88048245	636.6E6	45.082	45.996
Sum Dechlorane			113.0E6	815.5E6	90.748	91.978
Average Dechlorane					45.374	45.989

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:51 pm
Operator : a.moses
Sample : chlor icv
Misc : initial cal.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:04:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:04:00 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 01:13 pm
 Operator : a.moses
 Sample : blk
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 30 12:11:50 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

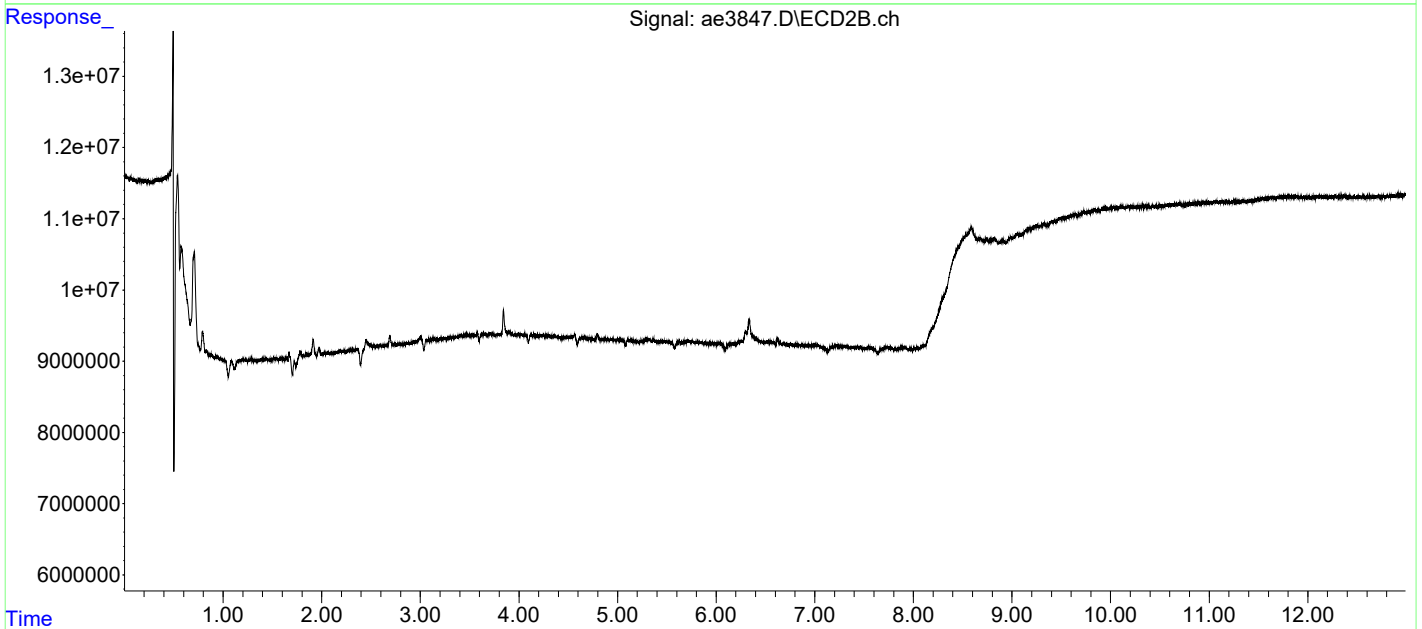
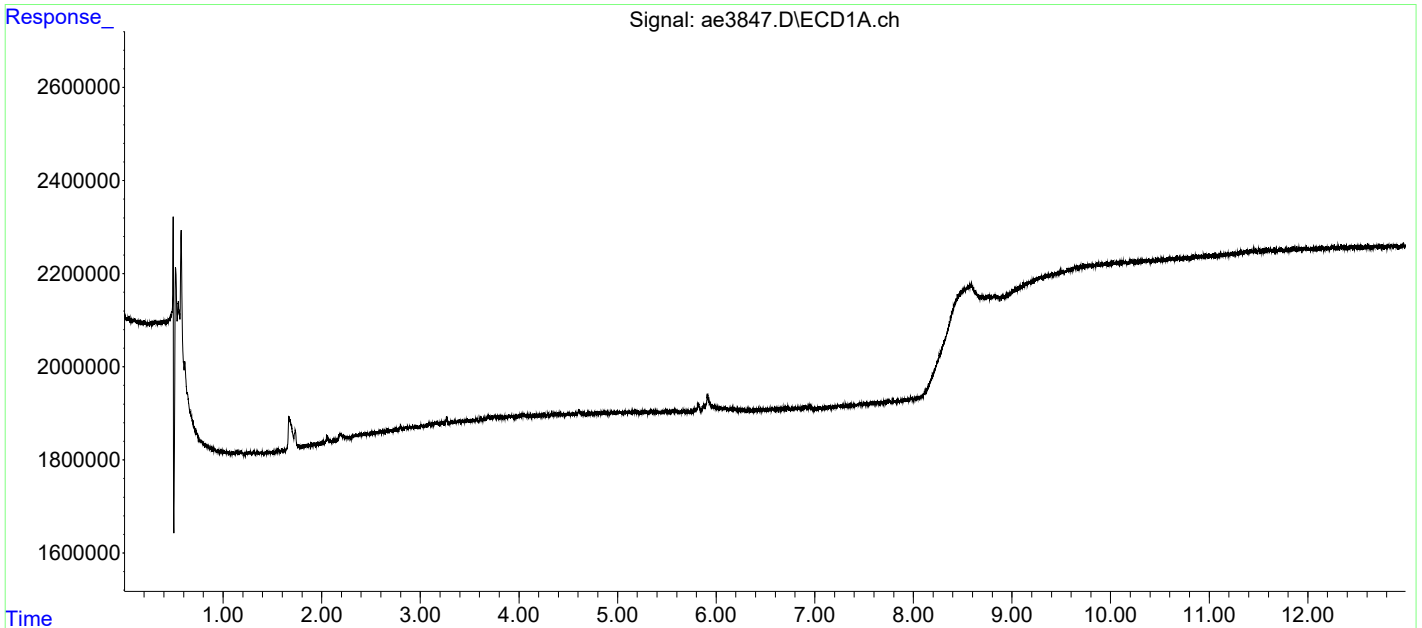
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 01:13 pm
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:11:50 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (1):	STX-CLP	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/26/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:32
4,4'-DDT % Breakdown (1):	1.4%	Endrin % Breakdown (1):		3.6%
Combined % Breakdown (1):	4.9%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (2):	STX-CLPII	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/26/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		14:32
4,4'-DDT % Breakdown (1):	1.6%	Endrin % Breakdown (1):		3.5%
Combined % Breakdown (1):	5.1%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:32 pm
 Operator : a.moses
 Sample : pem
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 30 12:11:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.034	3.634	97551239	919.1E6	21.065	20.420
Spiked Amount	100.000	Range	30 - 150	Recovery	= 21.07%#	20.42%#

Target Compounds

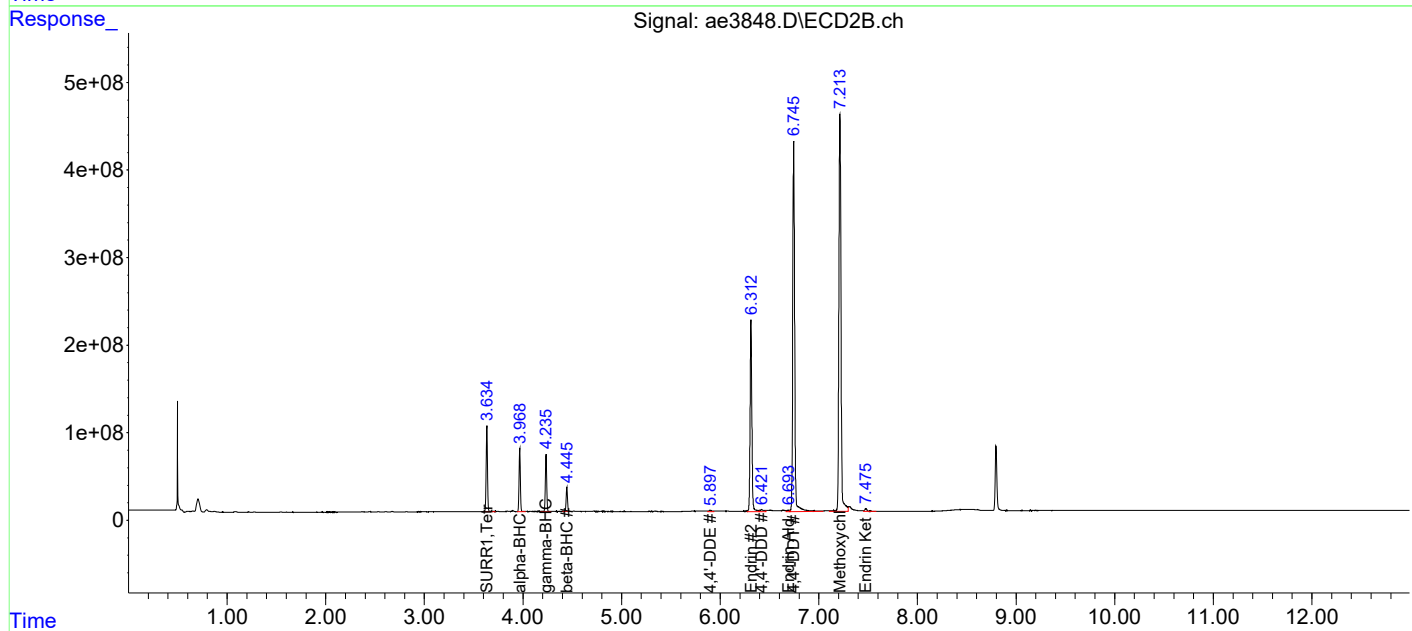
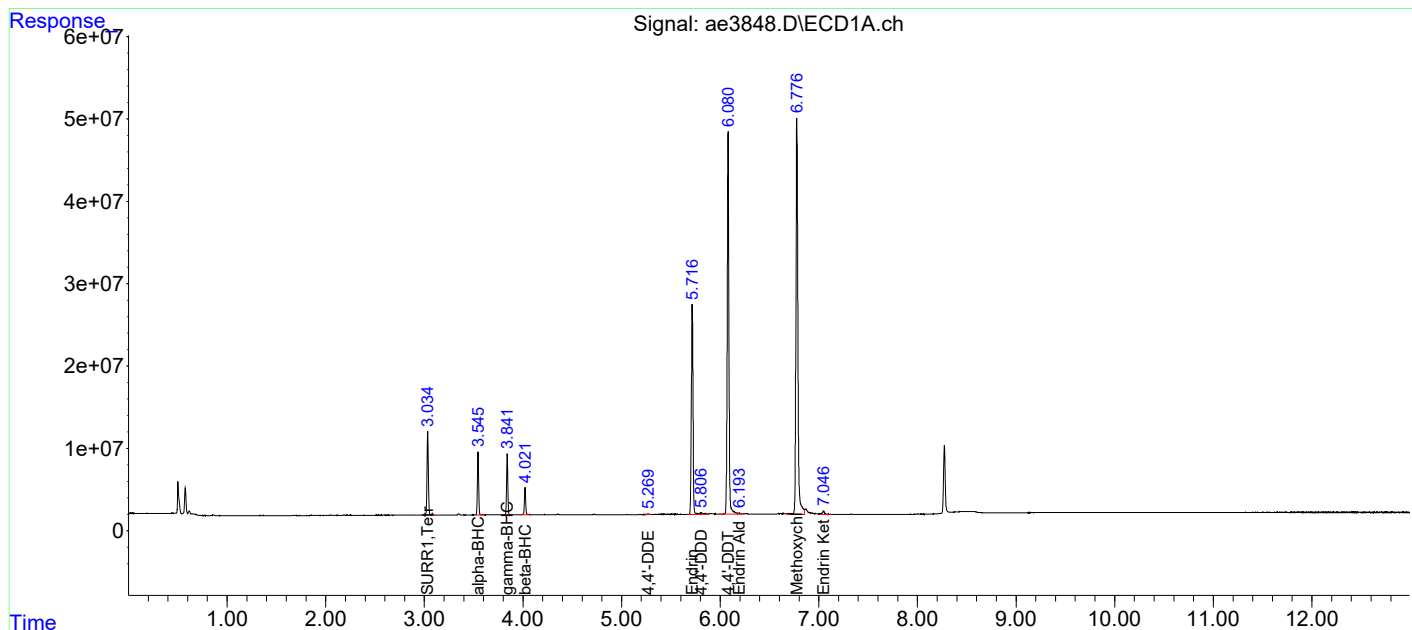
3) tc alpha-BHC	3.545	3.968	66609219	664.2E6	10.636	10.189
4) tcm gamma-BHC (L	3.841	4.235	64838942	626.5E6	11.027	10.569
7) tc beta-BHC	4.022	4.446	30294258	261.7E6	11.205	10.730
13) tc 4,4'-DDE	5.269	5.898	1540690	31354552	0.290	0.604 #
15) tcm Endrin	5.717	6.312	288.9E6	2799.9E6	56.262	53.514
18) tc 4,4'-DDD	5.807	6.421	6418157	62645216	1.432	1.368
19) tcm 4,4'-DDT	6.081	6.746	569.4E6	5753.0E6	114.377	115.274
20) tc Endrin Aldeh	6.193	6.693	3389023	32396428	0.754	0.798
22) tc Methoxychlor	6.777	7.214	686.5E6	6655.7E6	251.081	270.537
24) tc Endrin Keton	7.046	7.476	7307825	67973160	1.243	1.276
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:32 pm
Operator : a.moses
Sample : pem
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:11:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

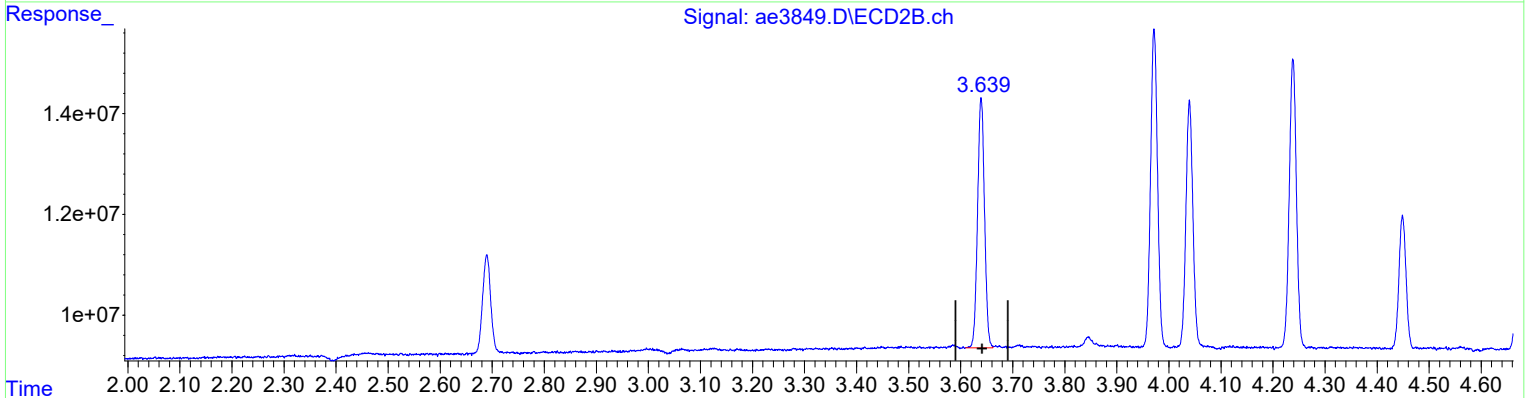
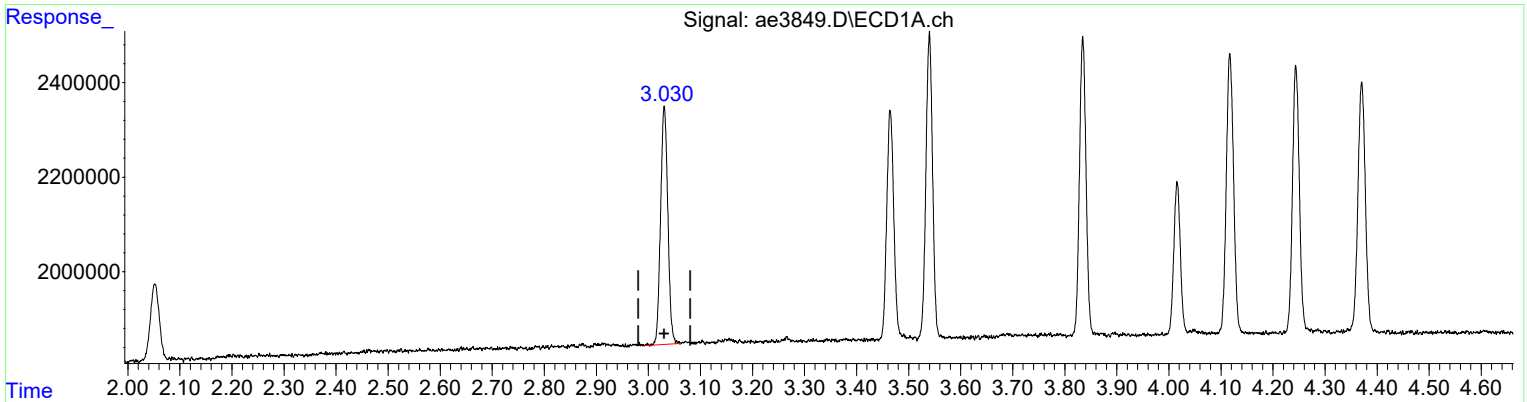
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(1) SURR1,Tetrac (S)
 3.031min 1.062 ug/l
 response 4873232

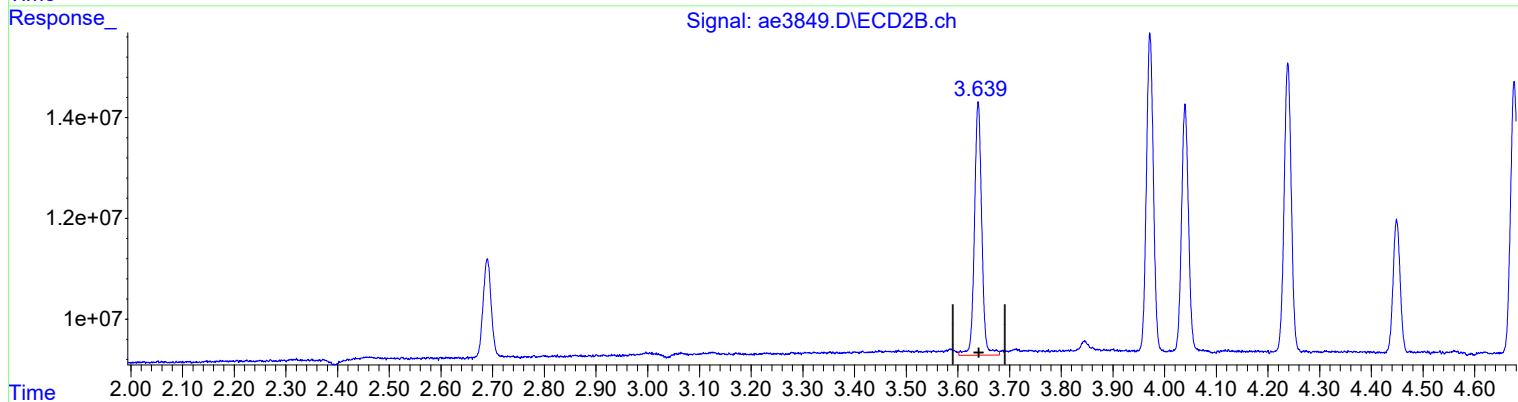
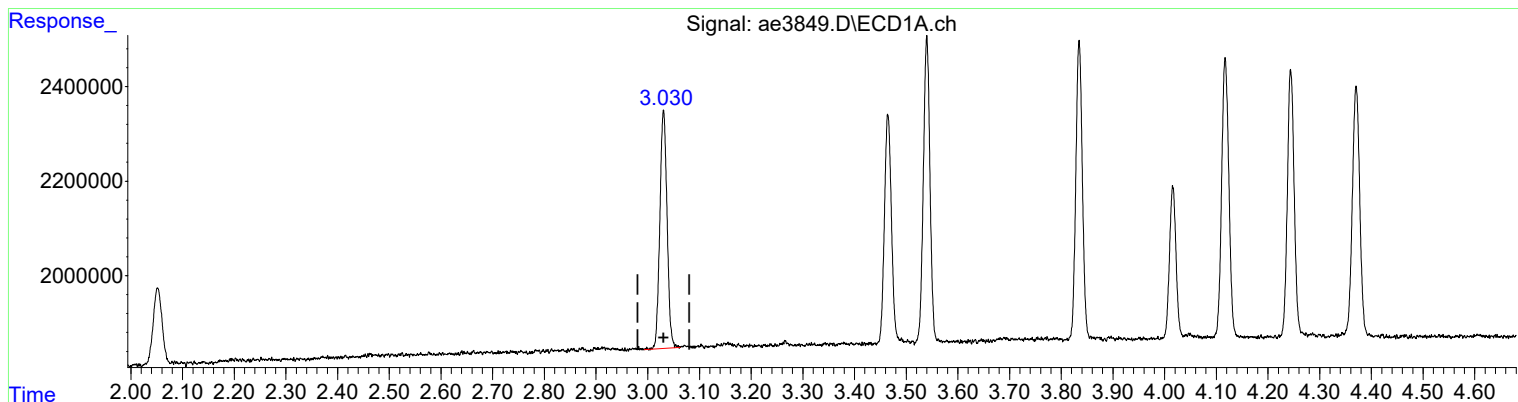
(1) SURR1,Tetrac #2 (S)
 3.639min 1.025 ug/l m
 response 45958289

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

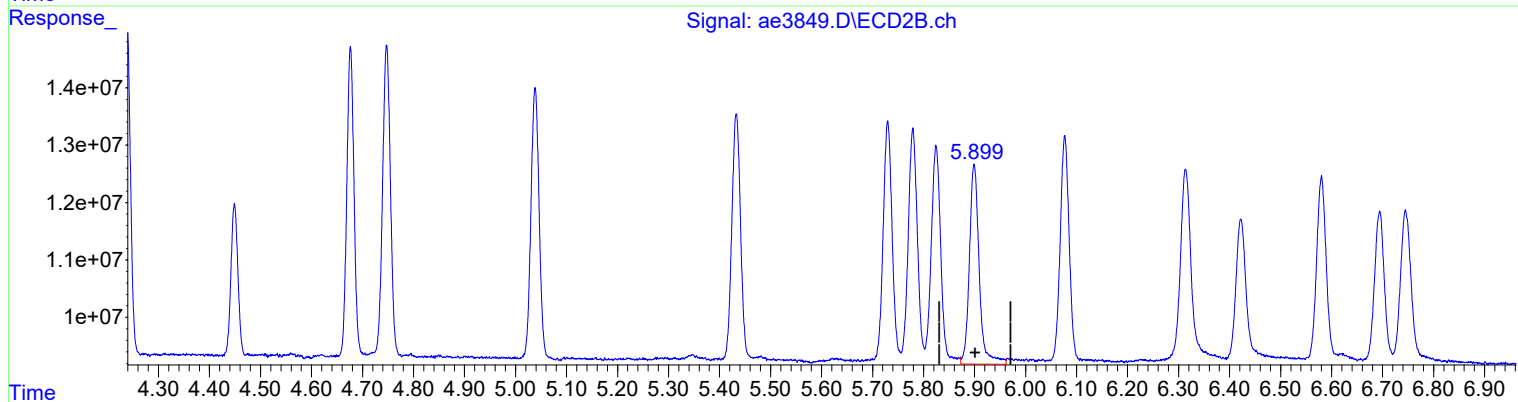
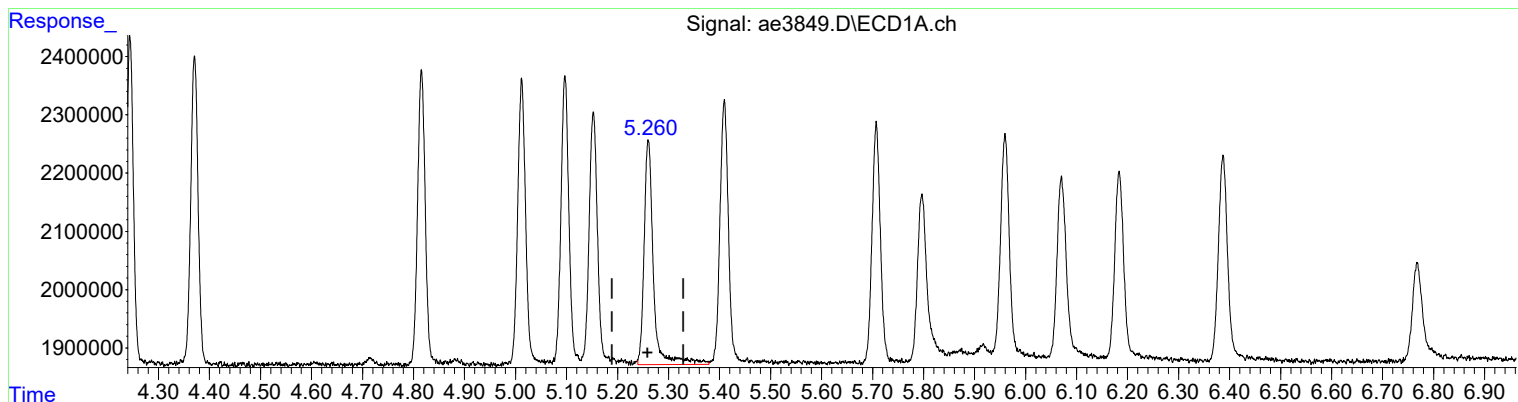


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
3.031	1.062	4873232	Manual Integration: Before	04/29/19
3.640	1.104	49503653	Manual Integration: Before	04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) 4,4'-DDE (tc)
5.260min 0.903 ug/l m
response 4871983

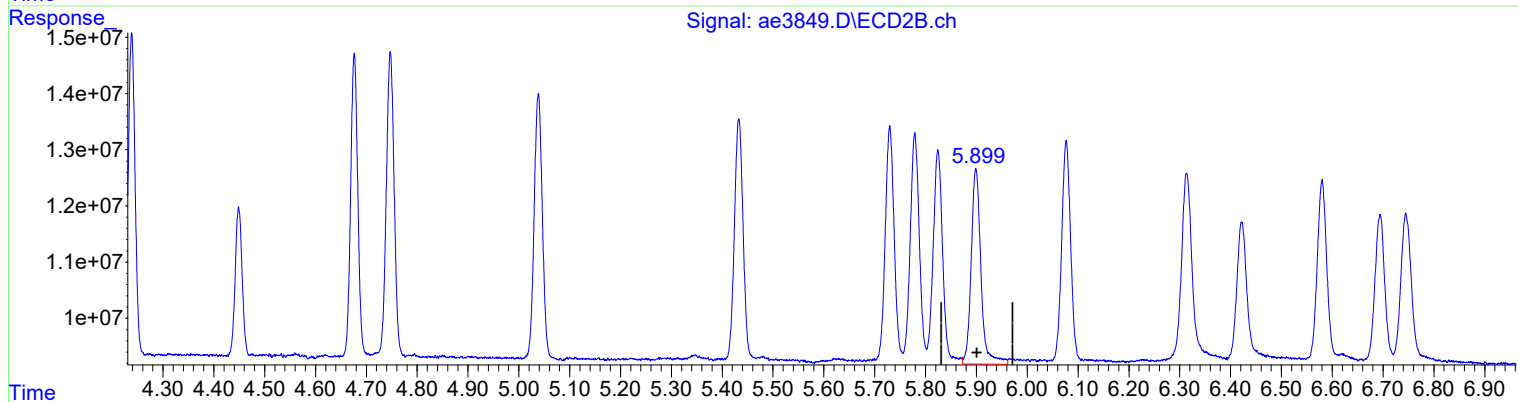
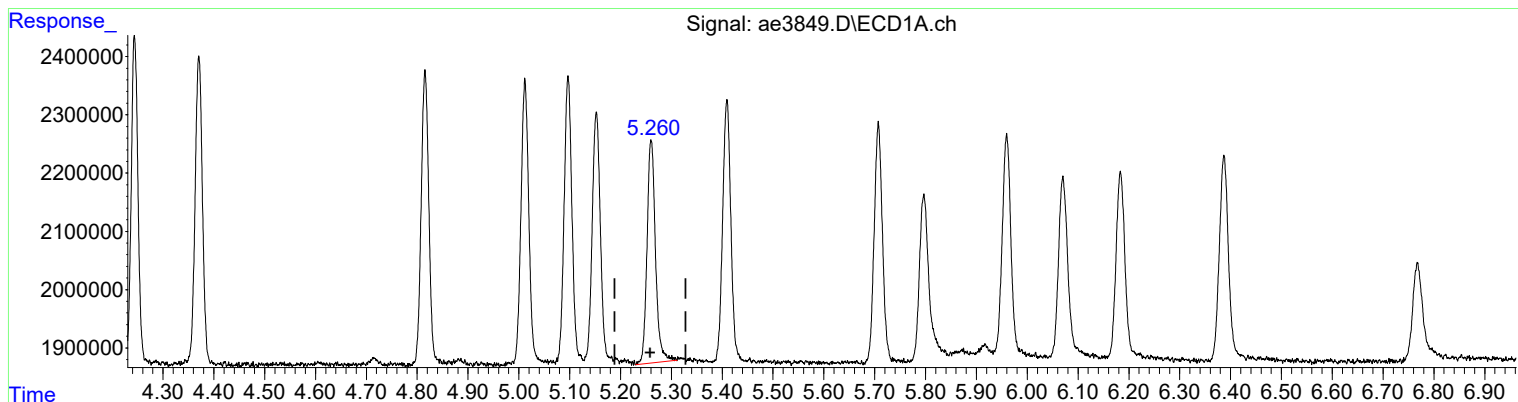
(13) 4,4'-DDE #2 (tc)
5.899min 0.878 ug/l
response 46402752

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) 4,4'-DDE (tc)
5.260min 0.819 ug/l
response 4414260

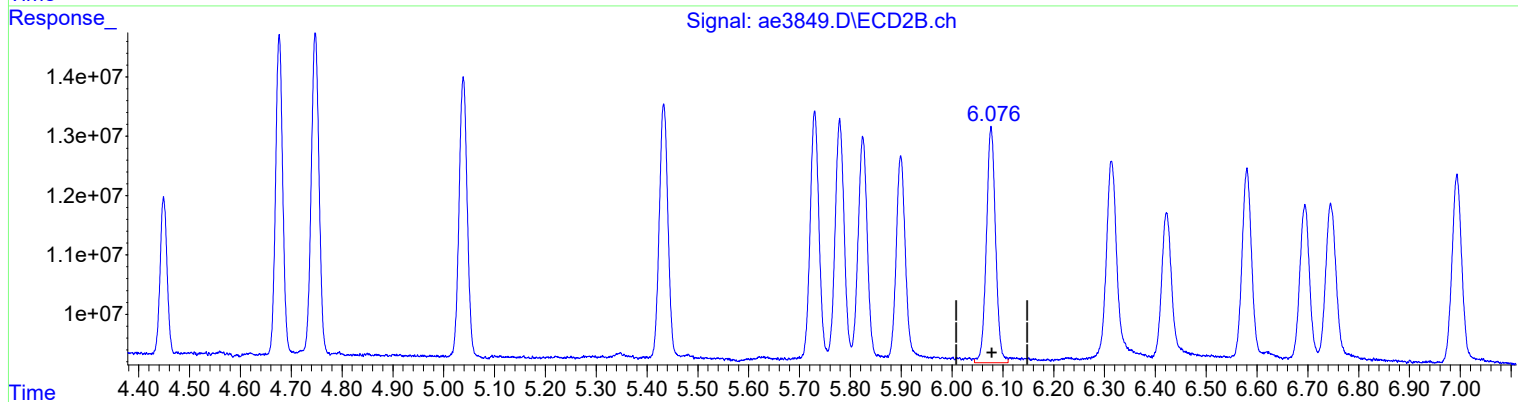
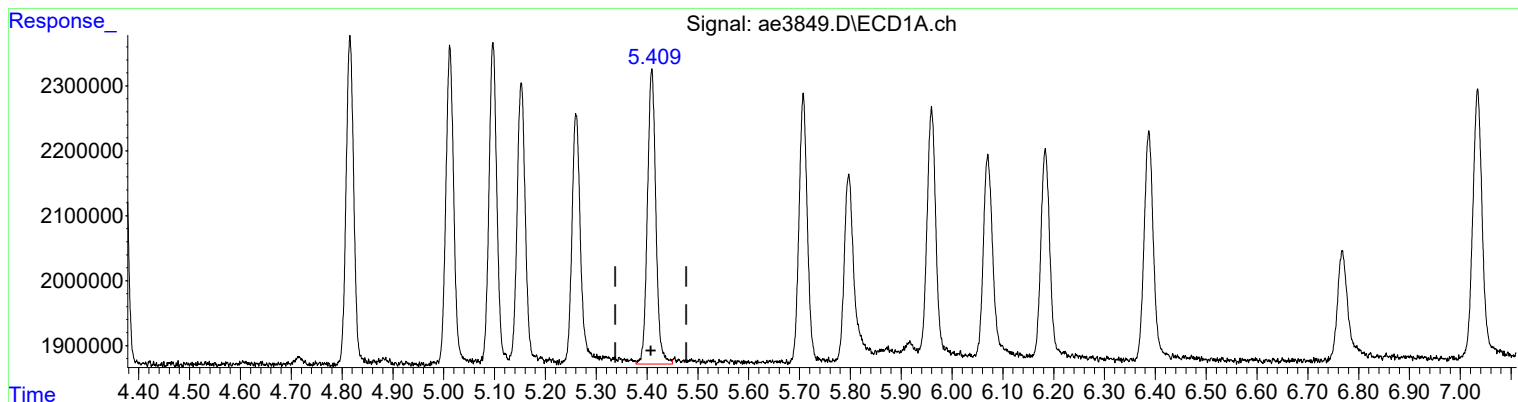
(13) 4,4'-DDE #2 (tc)
5.899min 0.878 ug/l
response 46402752

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(14) Dieldrin (tcm)
5.409min 0.899 ug/l m
response 5225834

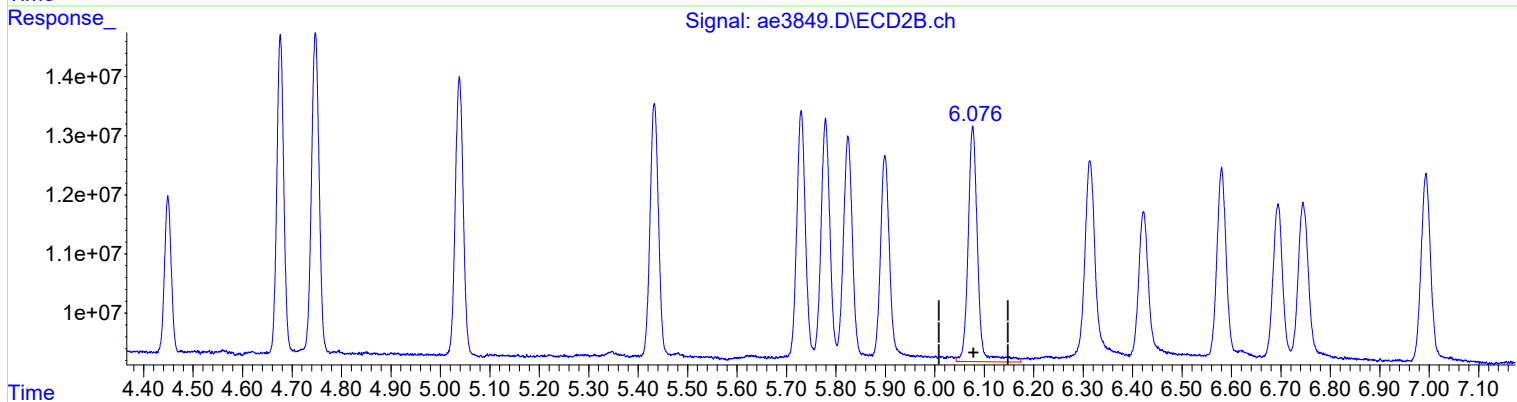
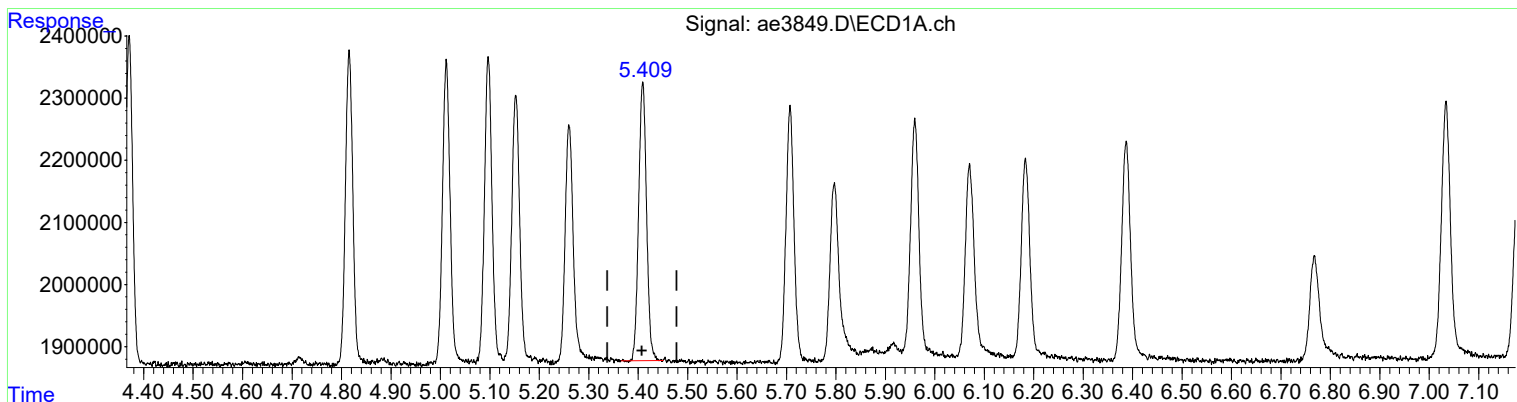
(14) Dieldrin #2 (tcm)
6.076min 0.860 ug/l m
response 49876870

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(14) Dieldrin (tcm)
5.409min 0.858 ug/l
response 4984889

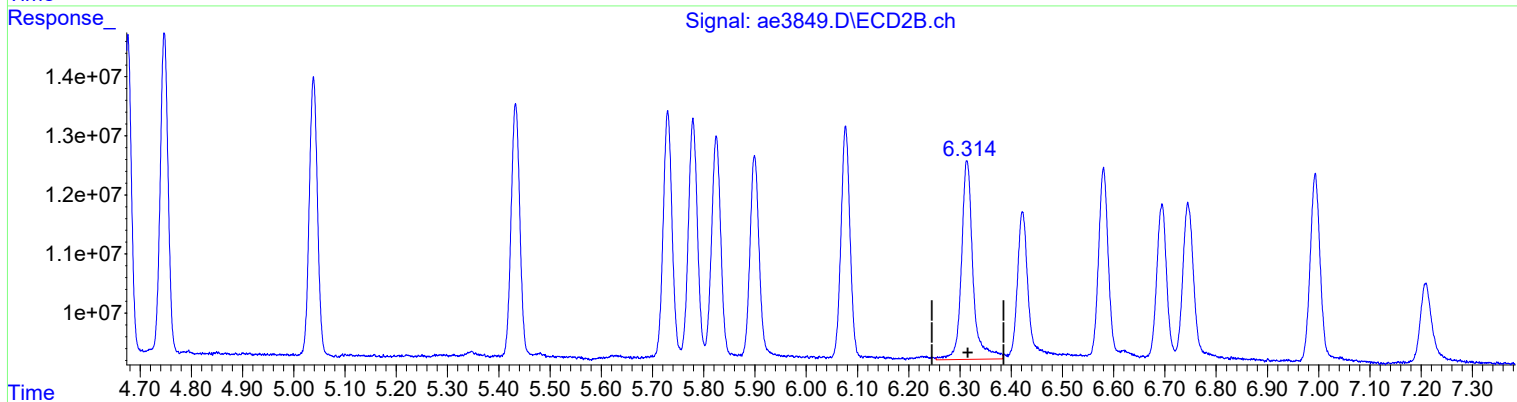
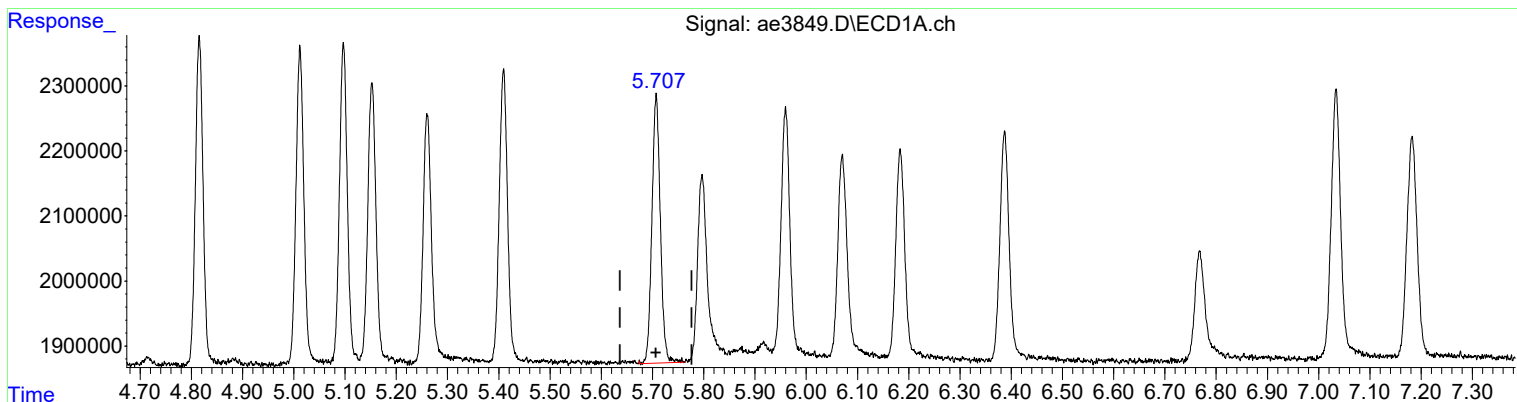
Manual Integration:
Before
04/29/19

(14) Dieldrin #2 (tcm)
6.077min 0.914 ug/l
response 53048535

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(15) Endrin (tcm)
5.707min 0.905 ug/l
response 4713522

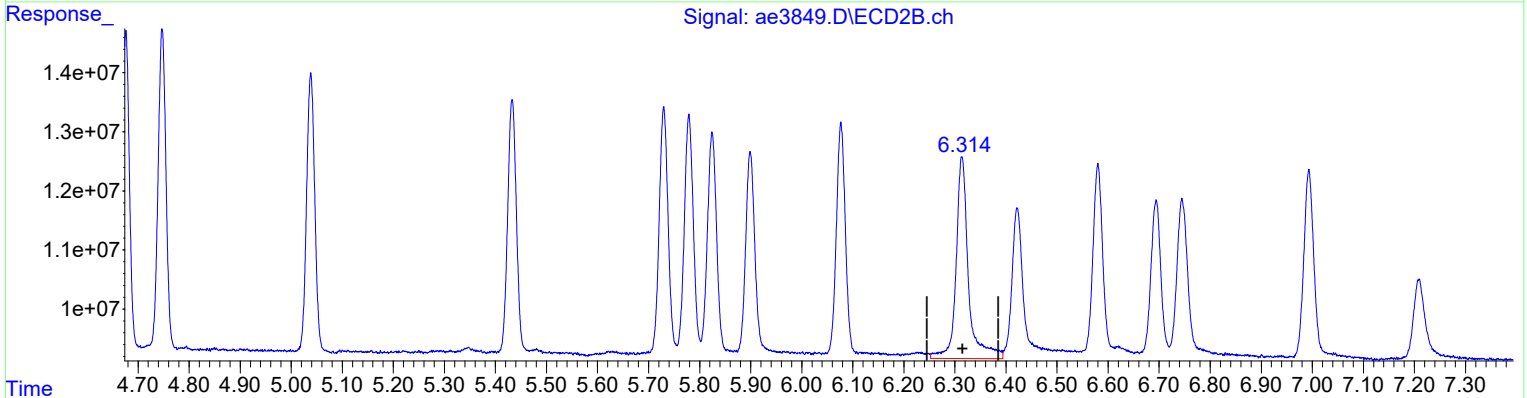
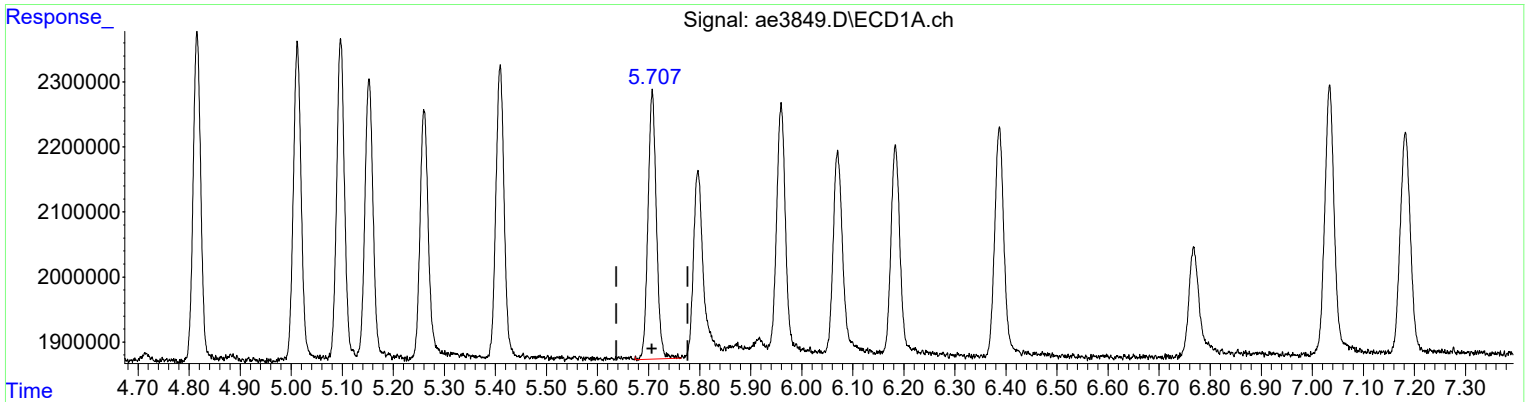
(15) Endrin #2 (tcm)
6.314min 1.007 ug/l m
response 52641528

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

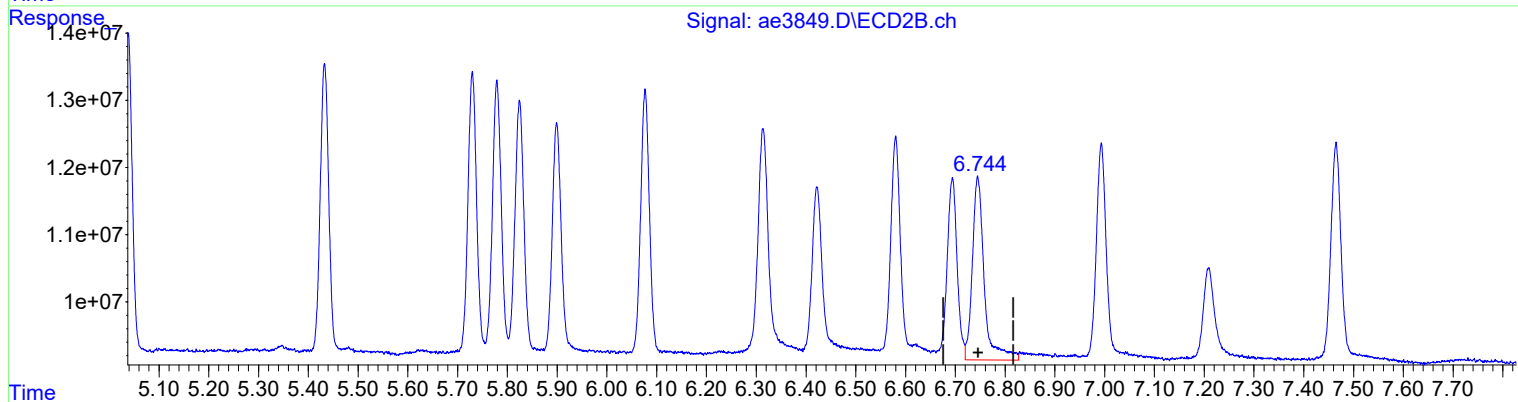
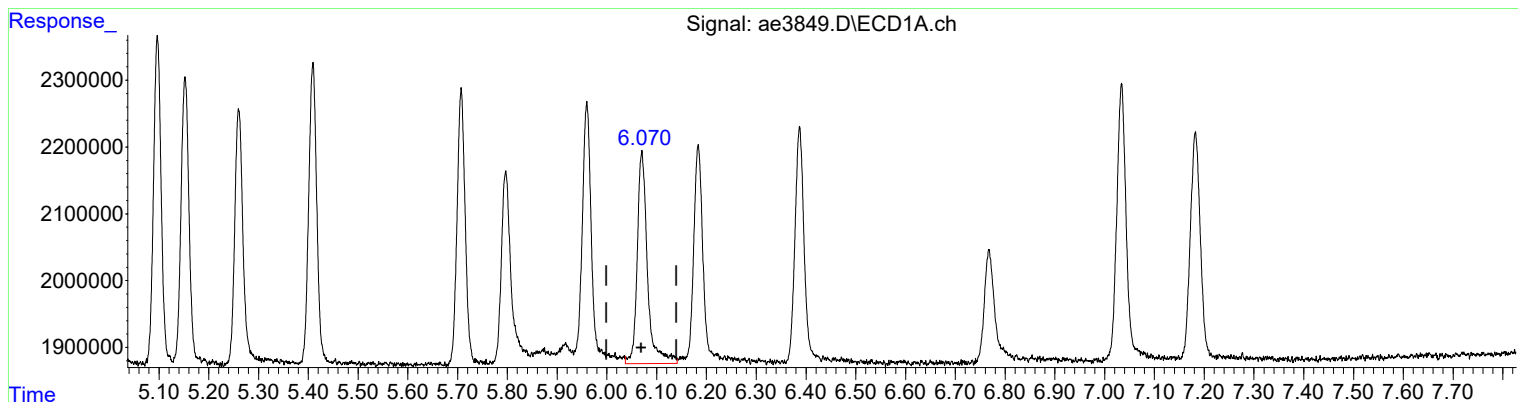


Retention Time (min)	Concentration (ug/l)	Response	Integration Status
5.707	0.905	4713522	Manual Integration: Before
6.314	1.102	57608098	Manual Integration: Before

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

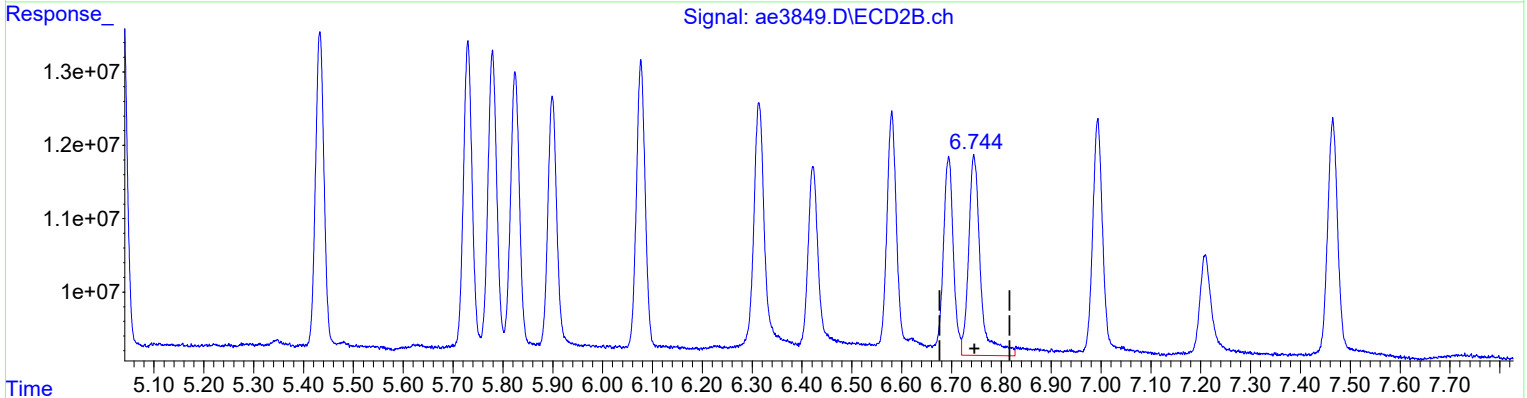
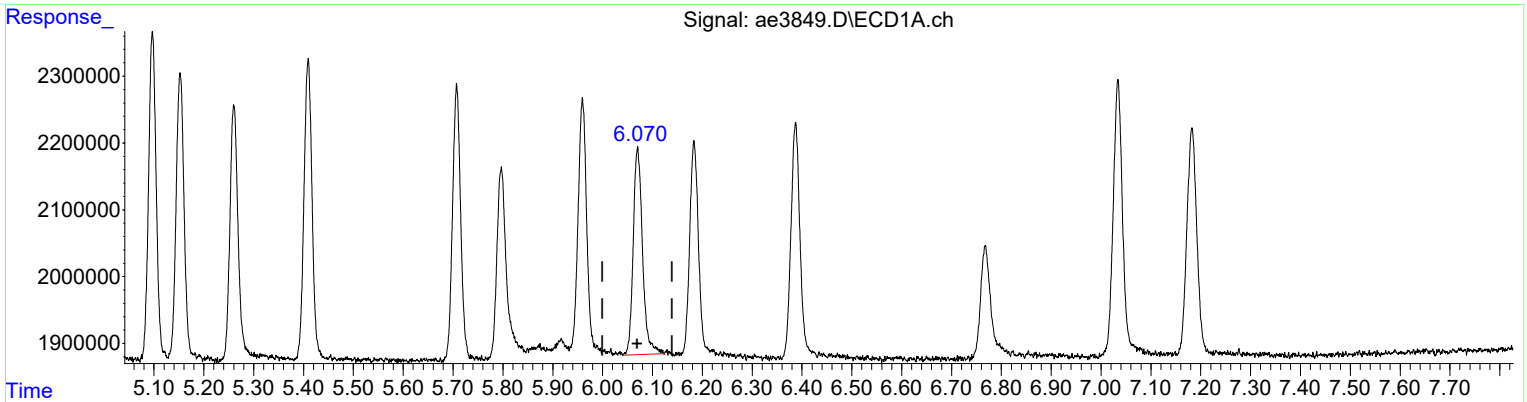


Retention Time (min)	Concentration (ug/l)	Response	Integration Status
6.070	0.895	4523932	Manual Integration: After
6.745	0.898	45459331	Poor integration.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

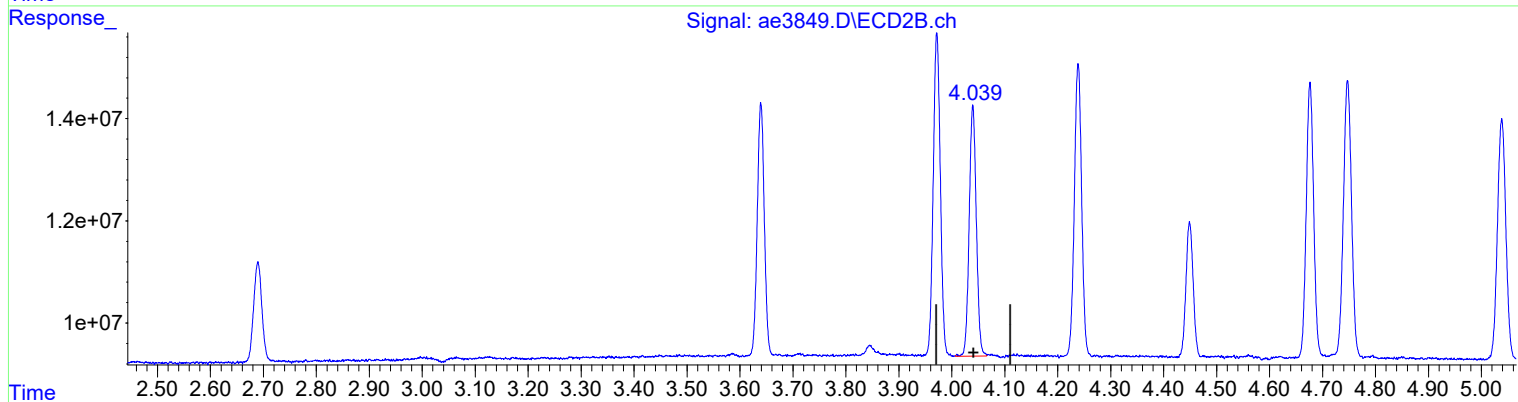
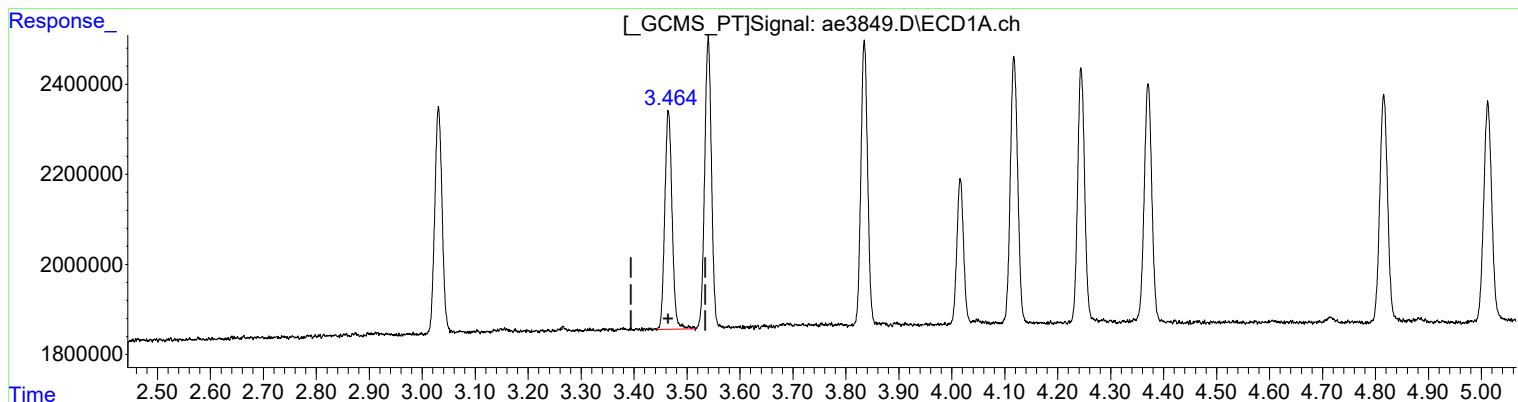


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
6.070	0.793	4009673	Manual Integration: Before	04/29/19
6.745	0.898	45459331	Manual Integration: Before	04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(2) HEXACHLOROBENZENE (TC)
3.465min 1.136 ug/l
response 4653031

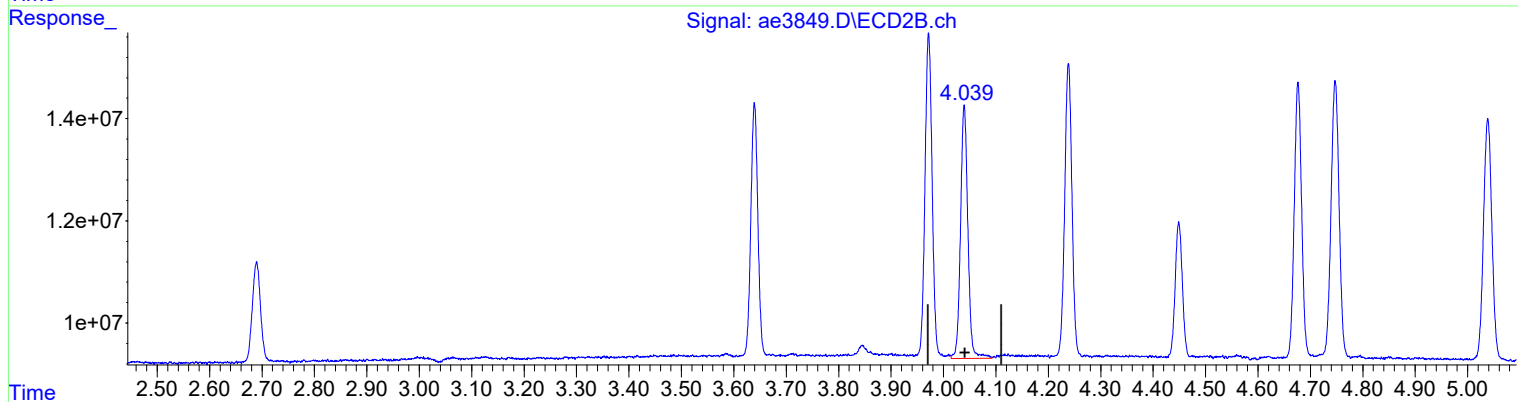
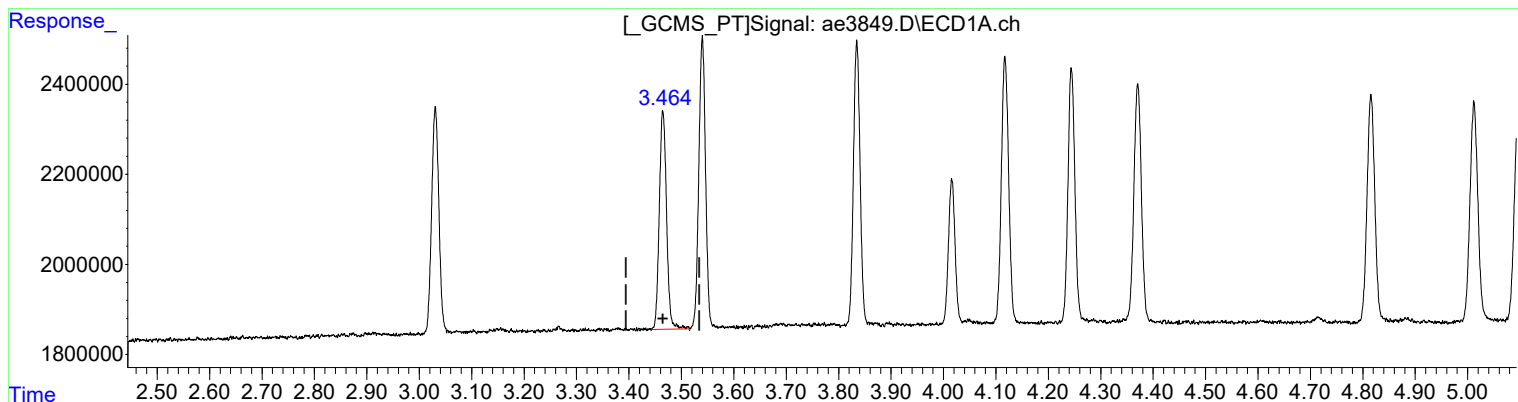
(2) HEXACHLOROBENZENE #2 (TC)
4.039min 1.054 ug/l m
response 45887166

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



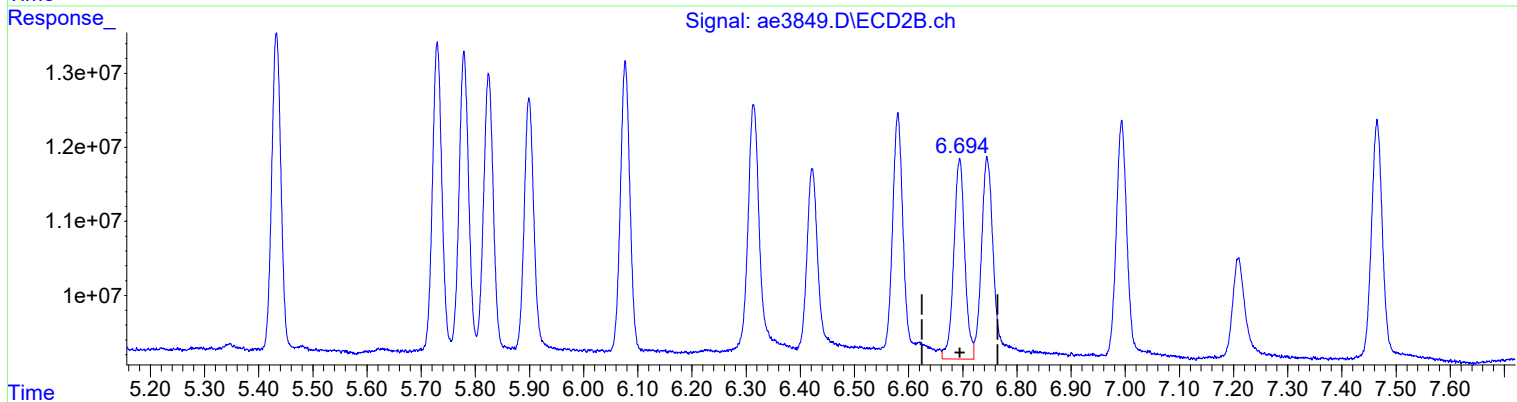
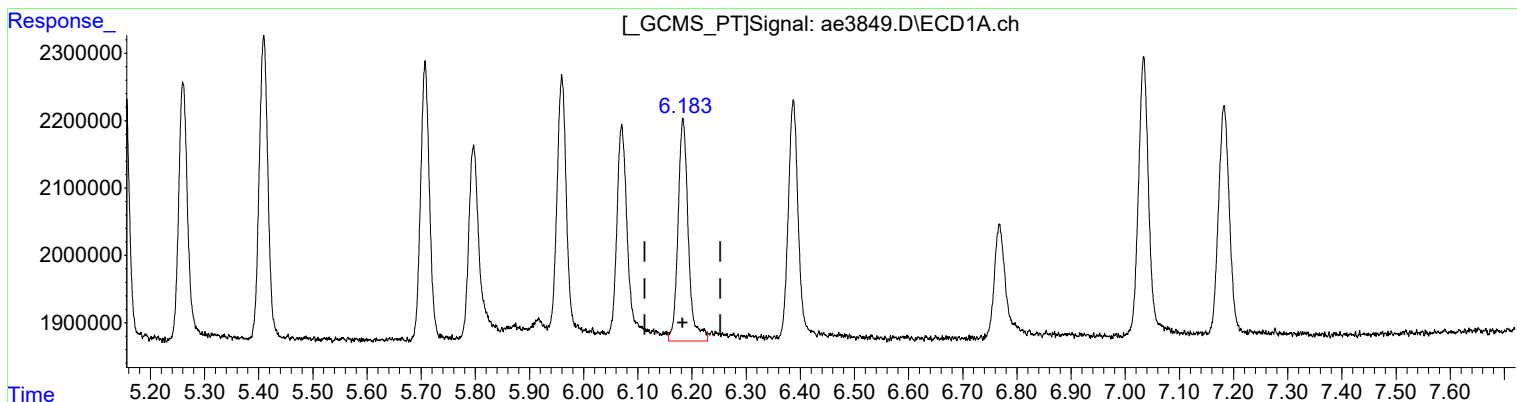
QEdit

(2) HEXACHLOROBENZENE (TC)	Manual Integration:
3.465min 1.136 ug/l	Before
response 4653031	04/29/19
(2) HEXACHLOROBENZENE #2 (TC)	
4.040min 1.103 ug/l	
response 48016001	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(20) Endrin Aldeh (tc)
6.183min 0.960 ug/l m
response 4342790

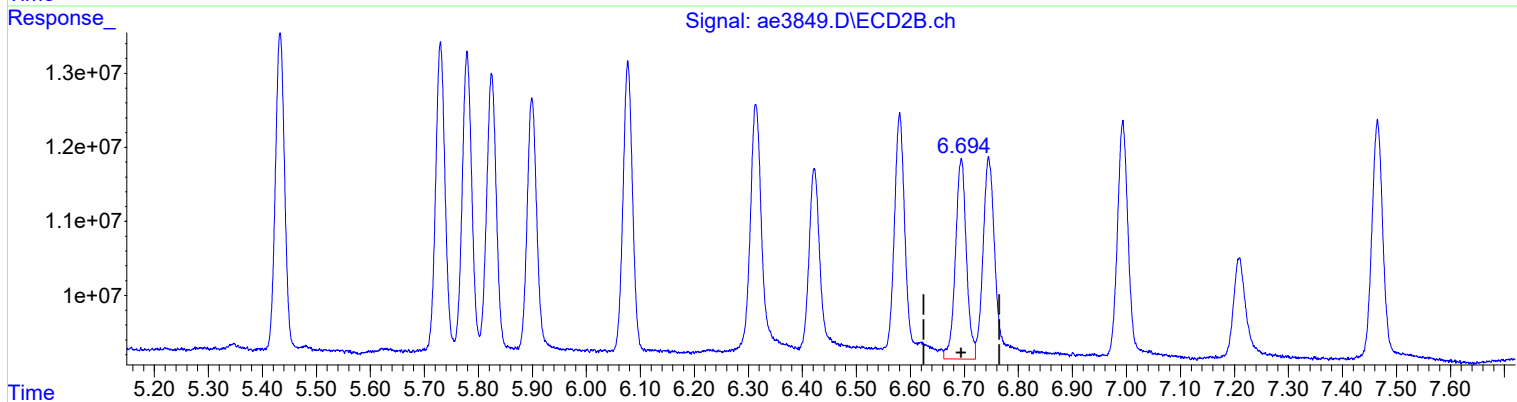
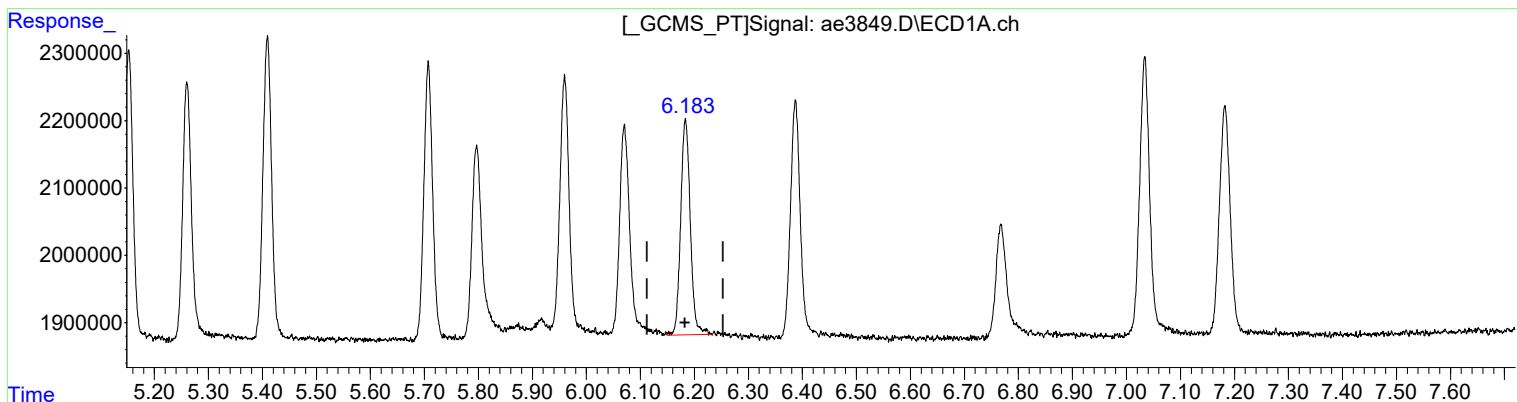
(20) Endrin Aldeh #2 (tc)
6.694min 0.934 ug/l
response 38284627

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(20) Endrin Aldehy (tc)
6.184min 0.876 ug/l
response 3960954

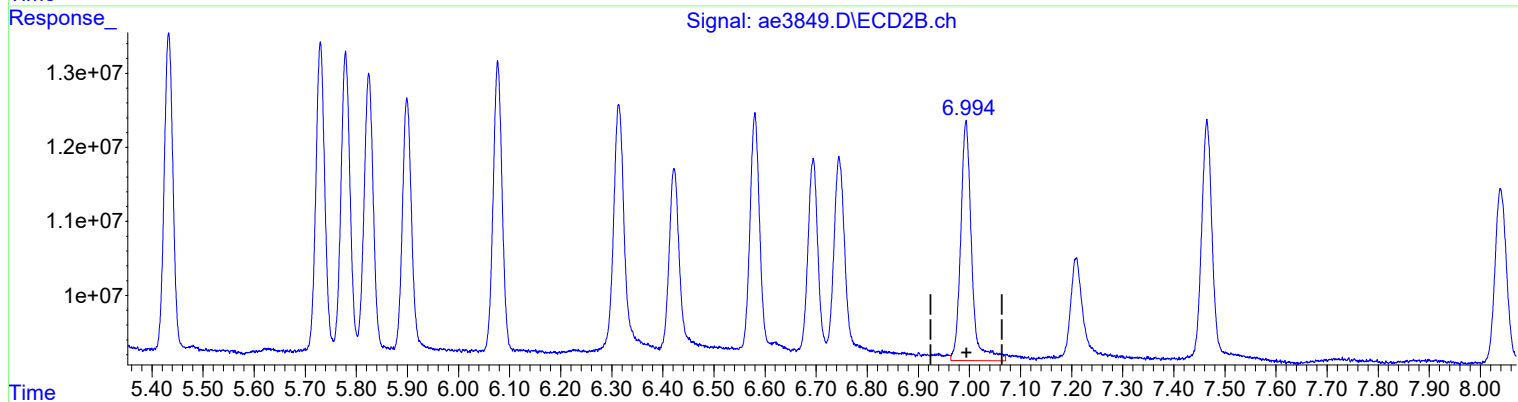
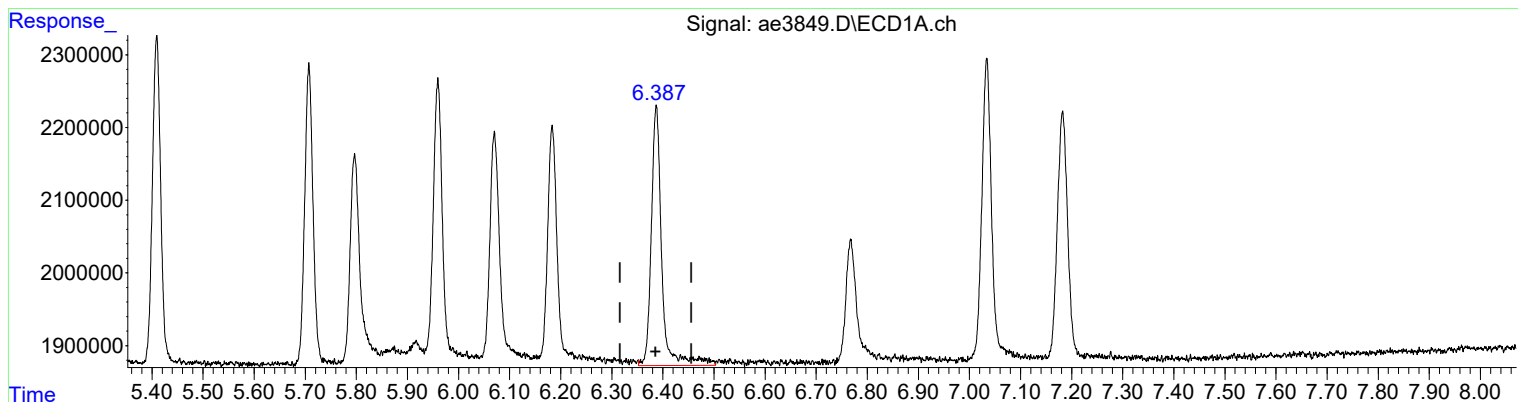
(20) Endrin Aldehy #2 (tc)
6.694min 0.934 ug/l
response 38284627

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(21) Endosulfan S (tc)
6.387min 1.016 ug/l m
response 5065008

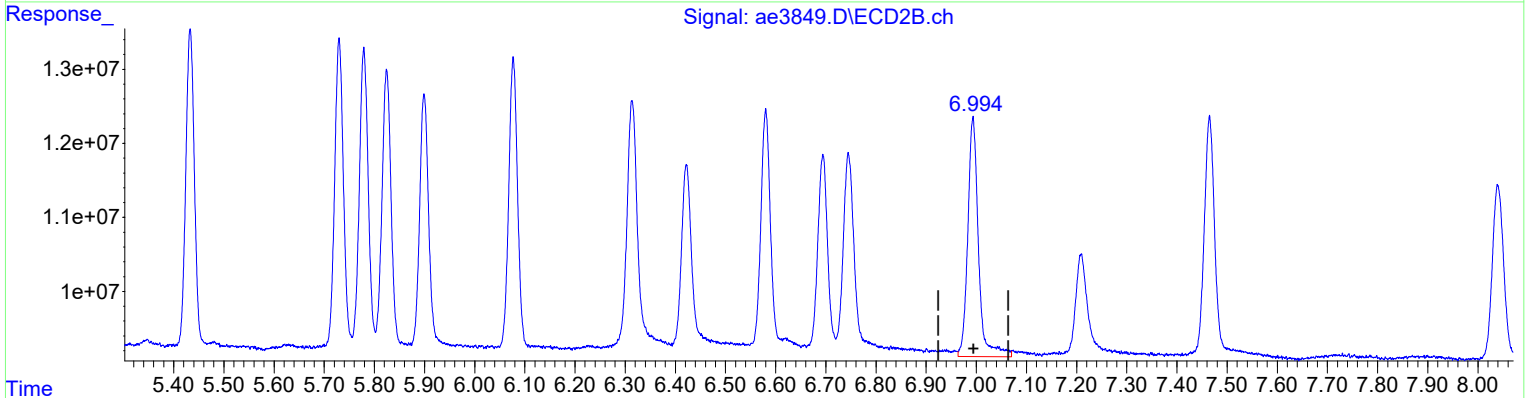
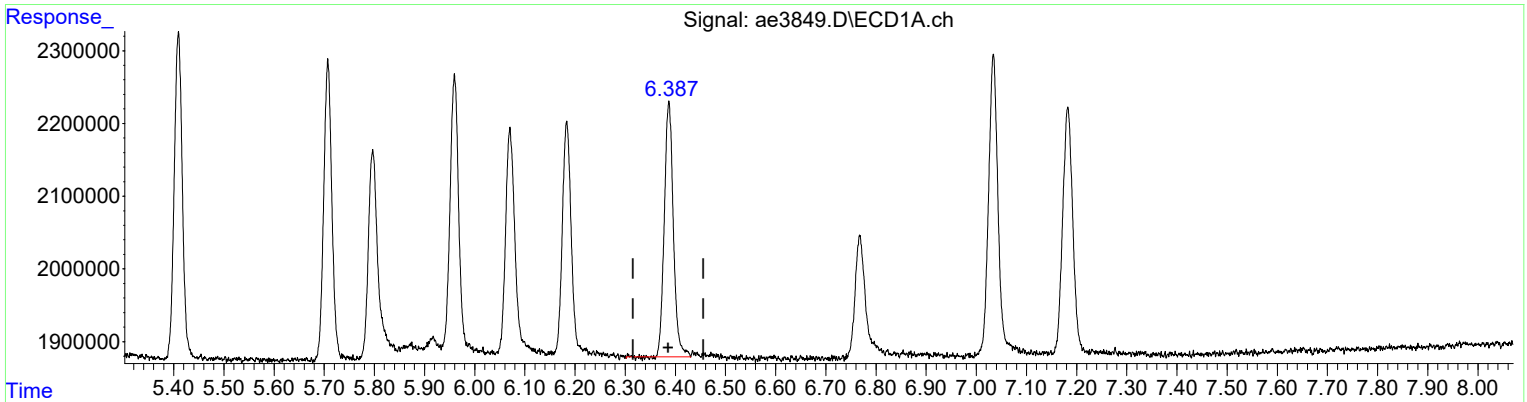
(21) Endosulfan S #2 (tc)
6.993min 0.904 ug/l
response 47906279

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

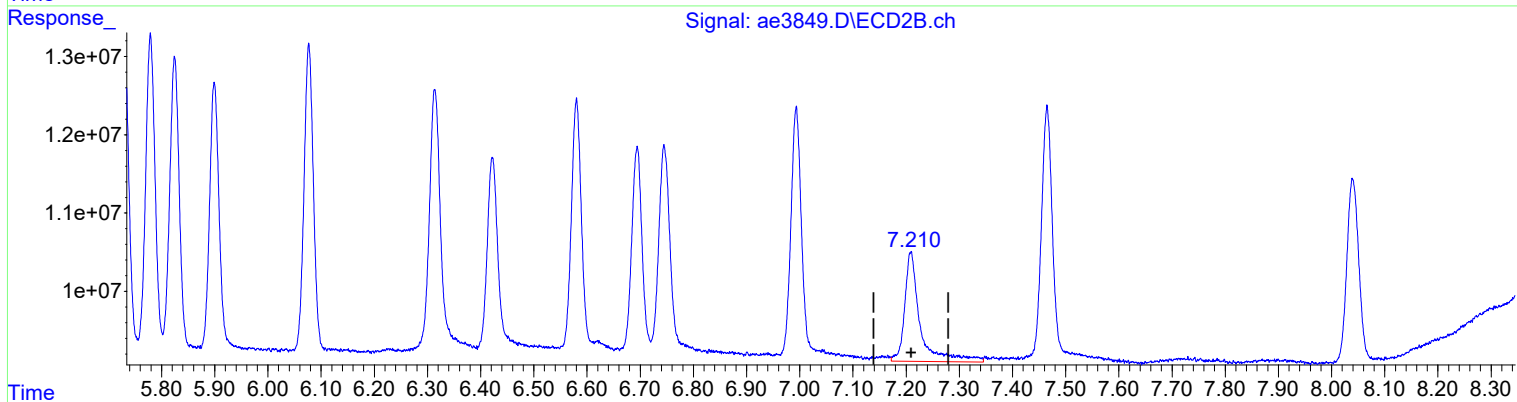
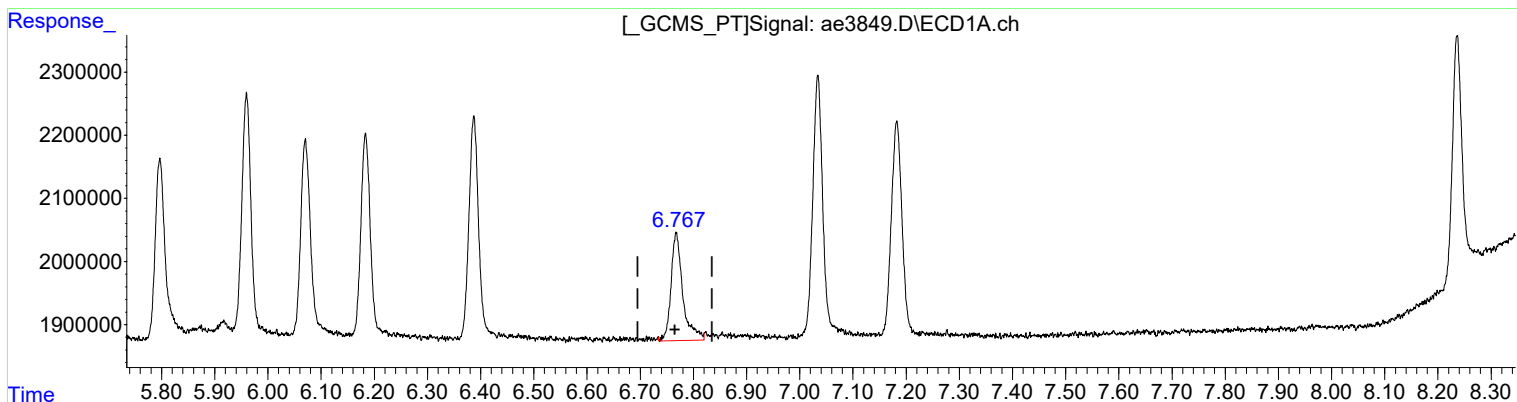


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
6.387	0.880	4387589	Manual Integration: Before	04/29/19
6.993	0.904	47906279		

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc)
6.767min 0.961 ug/l m
response 2642699

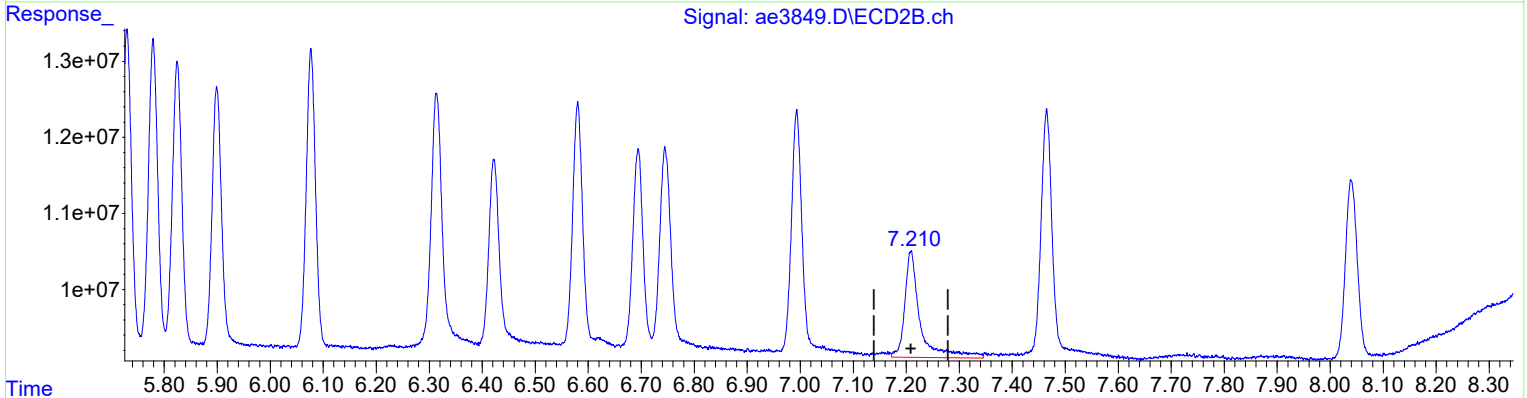
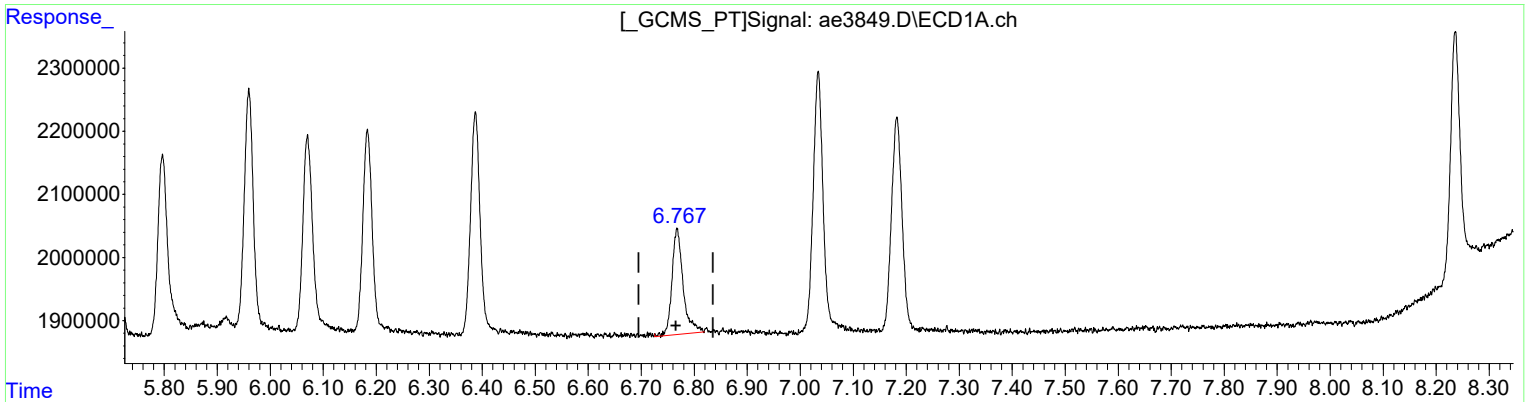
(22) Methoxychlor #2 (tc)
7.209min 1.146 ug/l
response 28235155

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc)
 6.768min 0.889 ug/l
 response 2444714

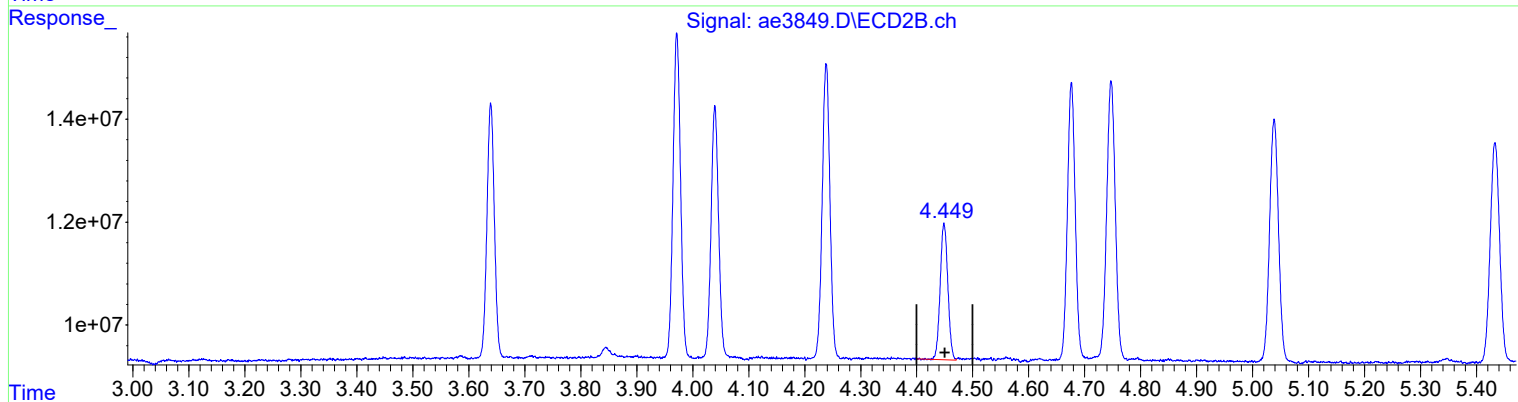
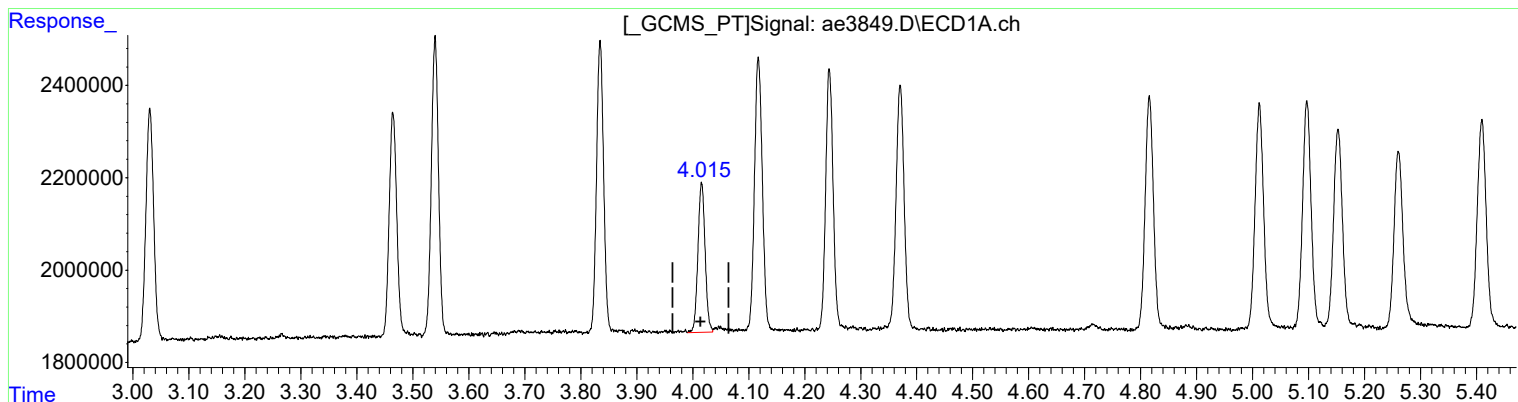
Manual Integration:
 Before
 04/29/19

(22) Methoxychlor #2 (tc)
 7.209min 1.146 ug/l
 response 28235155

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(7) beta-BHC (tc)
4.015min 1.082 ug/l m
response 2892476

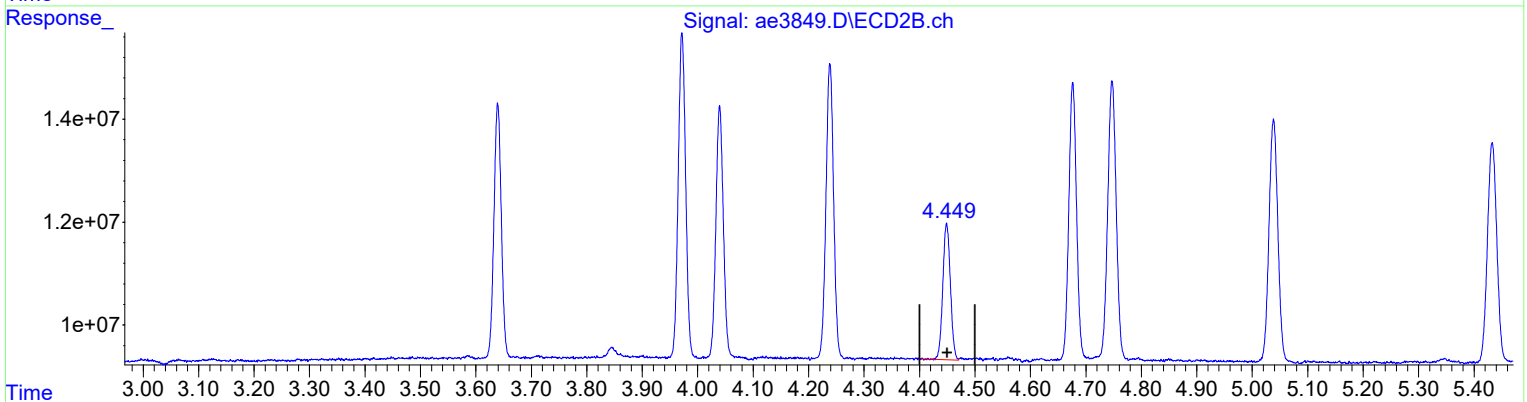
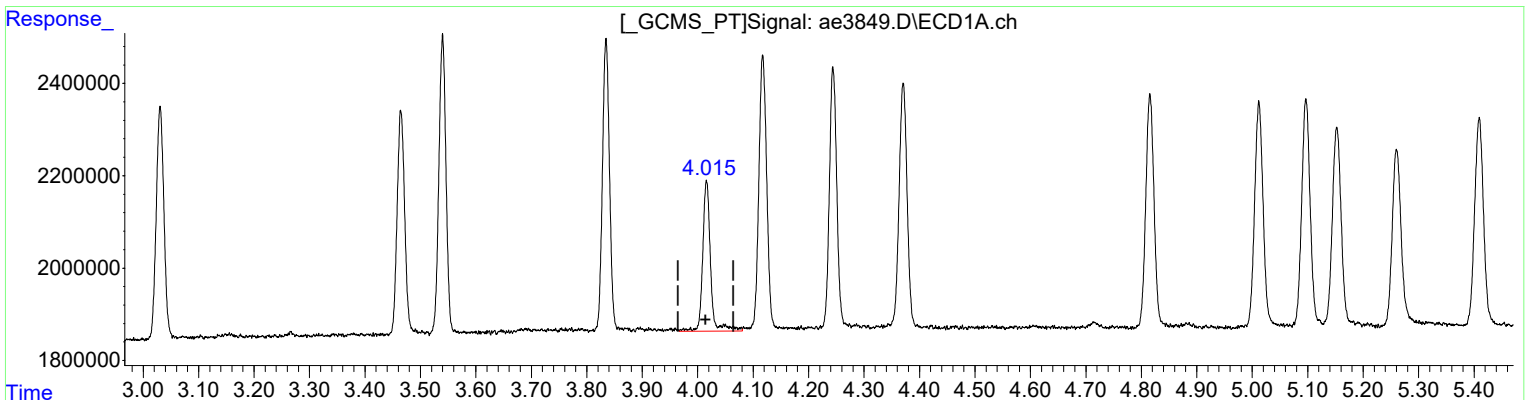
(7) beta-BHC #2 (tc)
4.449min 1.036 ug/l
response 25138337

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

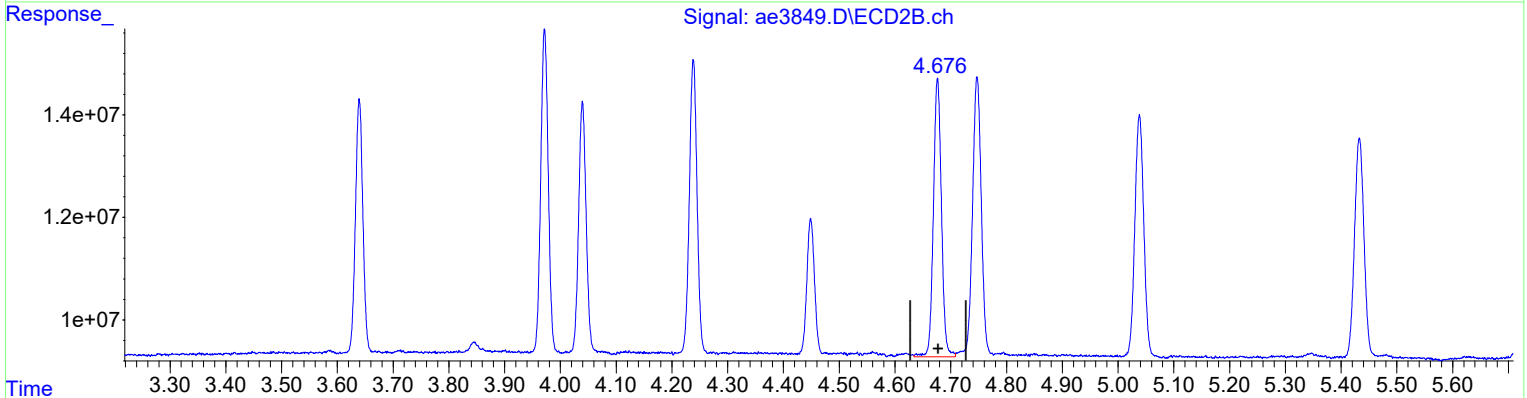
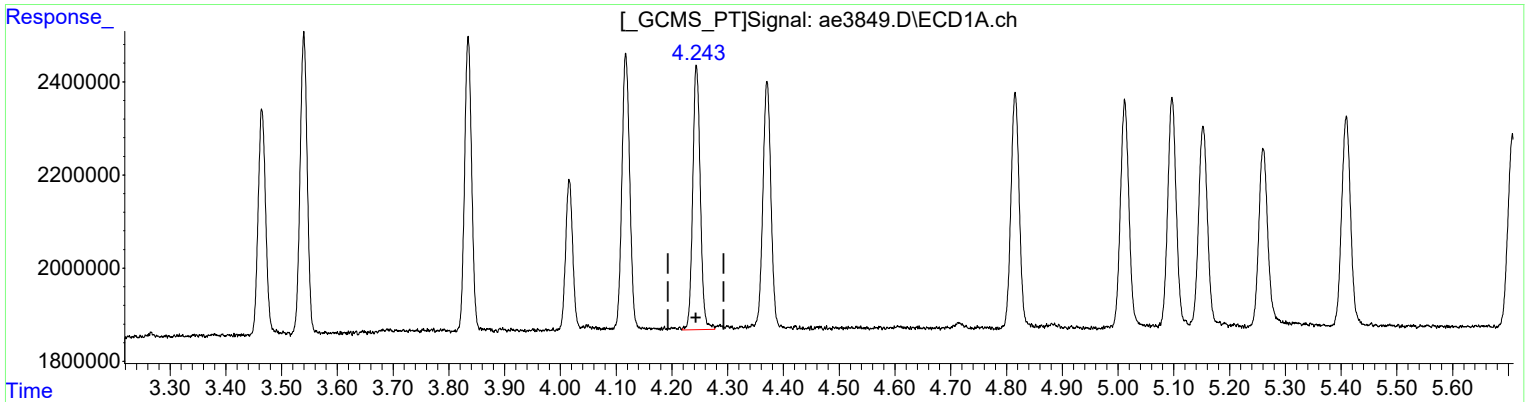


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
4.016	1.207	3224361	Manual Integration: Before	04/29/19
4.449	1.036	25138337	Manual Integration: Before	04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) delta-BHC (tc)
4.243min 0.917 ug/l m
response 5328058

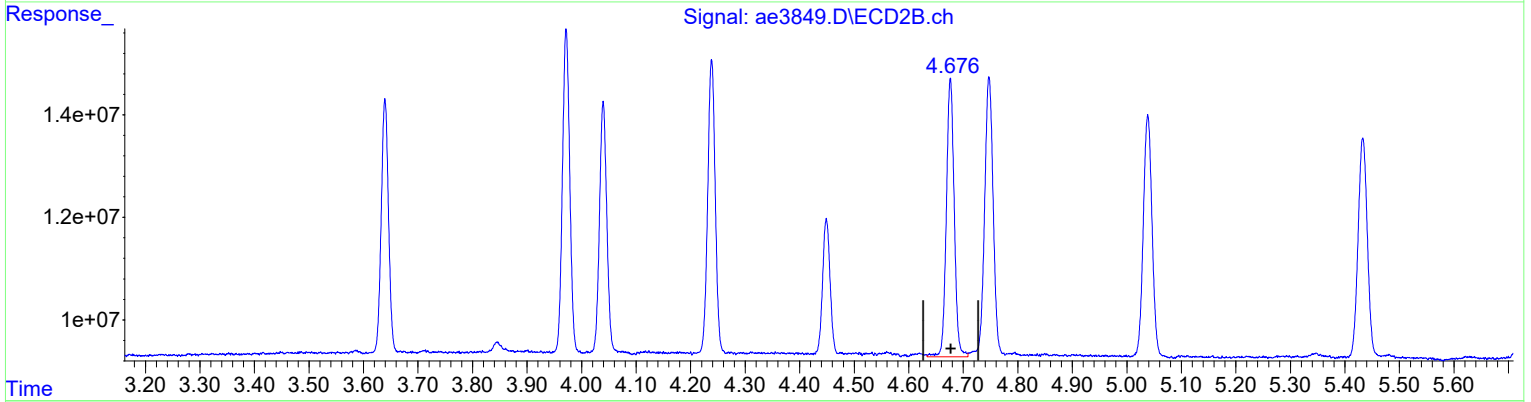
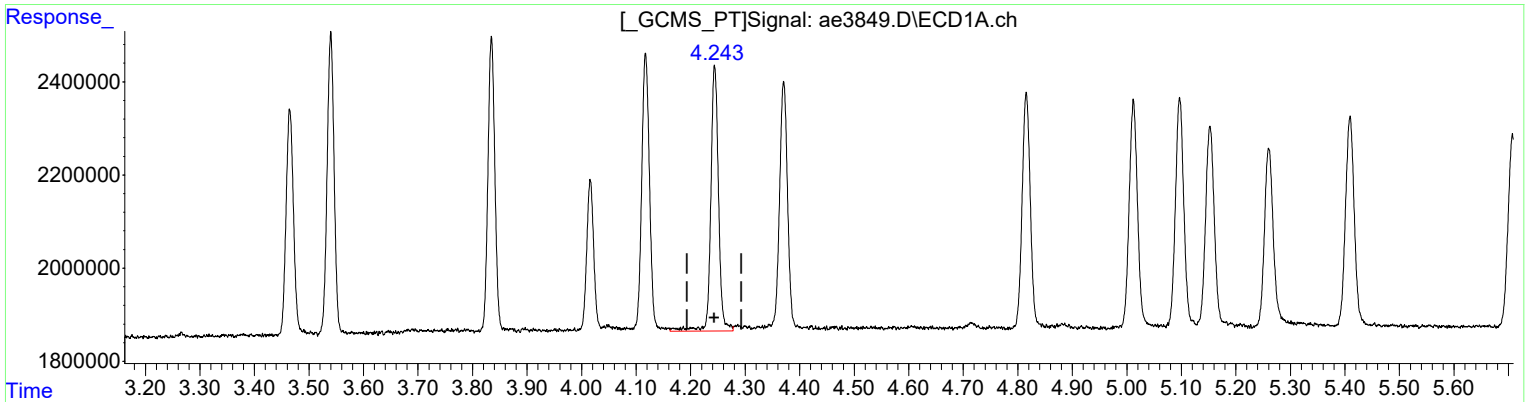
(8) delta-BHC #2 (tc)
4.676min 0.929 ug/l
response 54445324

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

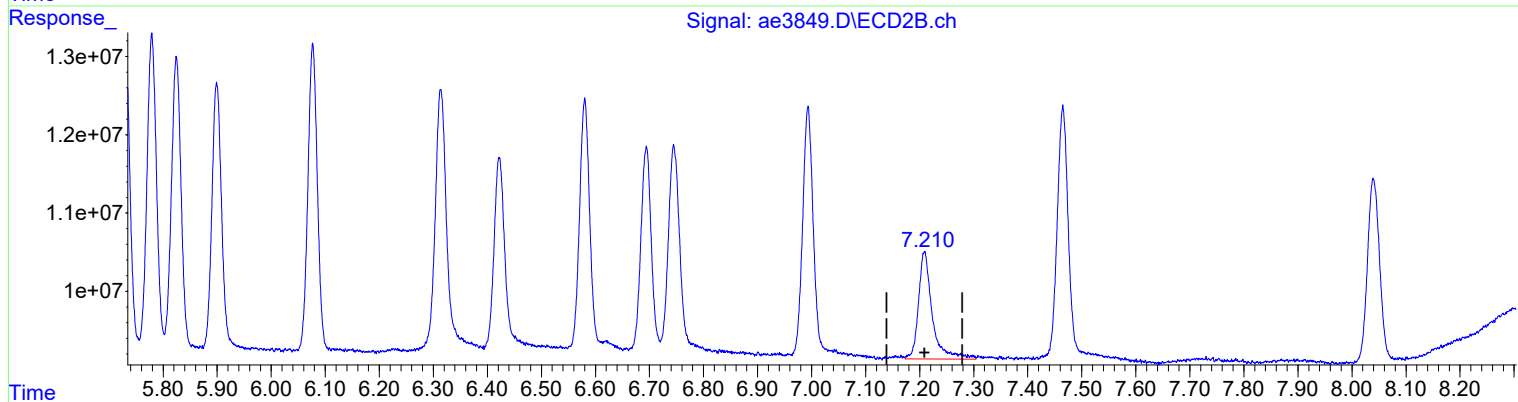
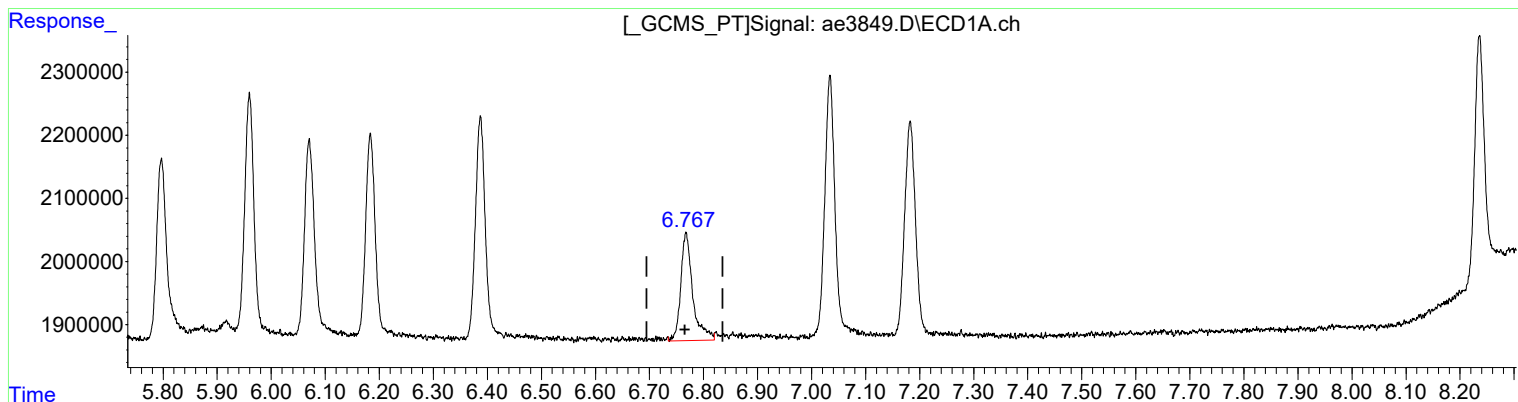


Retention Time (min)	Concentration (ug/l)	Response	Integration Status
4.244	0.967	5621354	Manual Integration: Before
4.676	0.929	54445324	Manual Integration: Before

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(22) Methoxychlor (tc)
6.767min 0.961 ug/l m
response 2642699

(22) Methoxychlor #2 (tc)
7.210min 0.988 ug/l m
response 24342025

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 02:50 pm
 Operator : a.moses
 Sample : 8081 std 1
 Misc : initial cal.
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:19:15 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

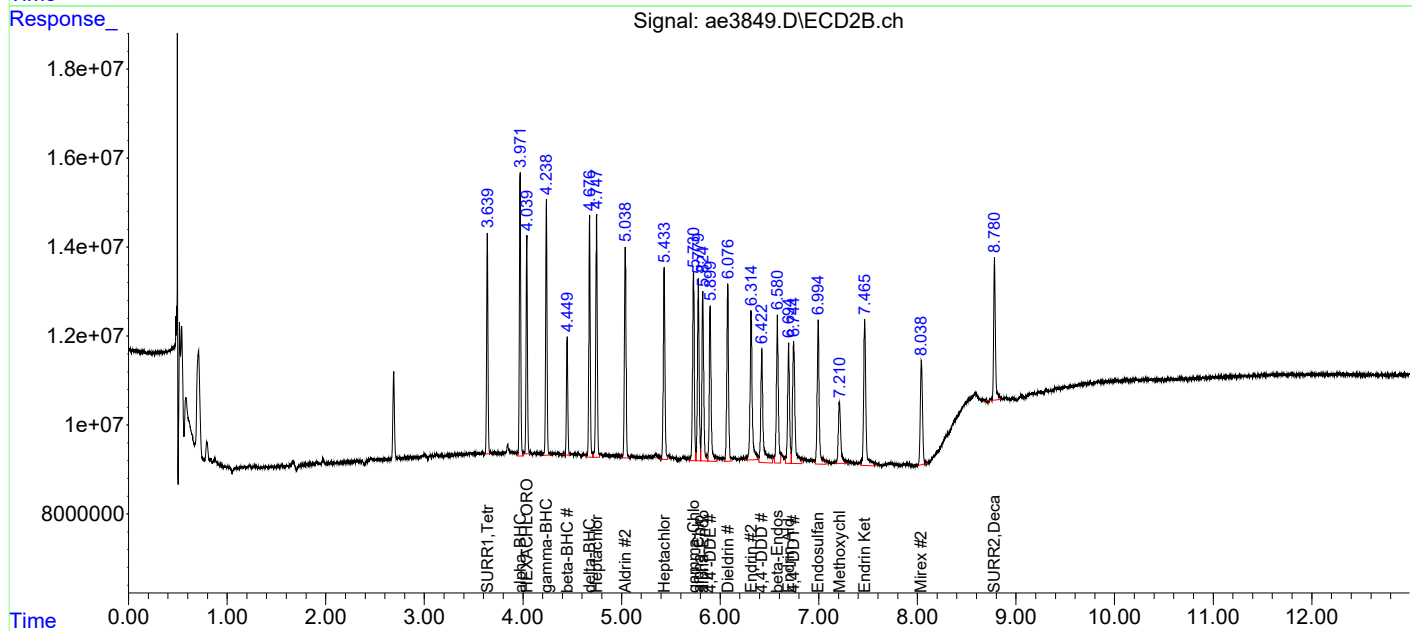
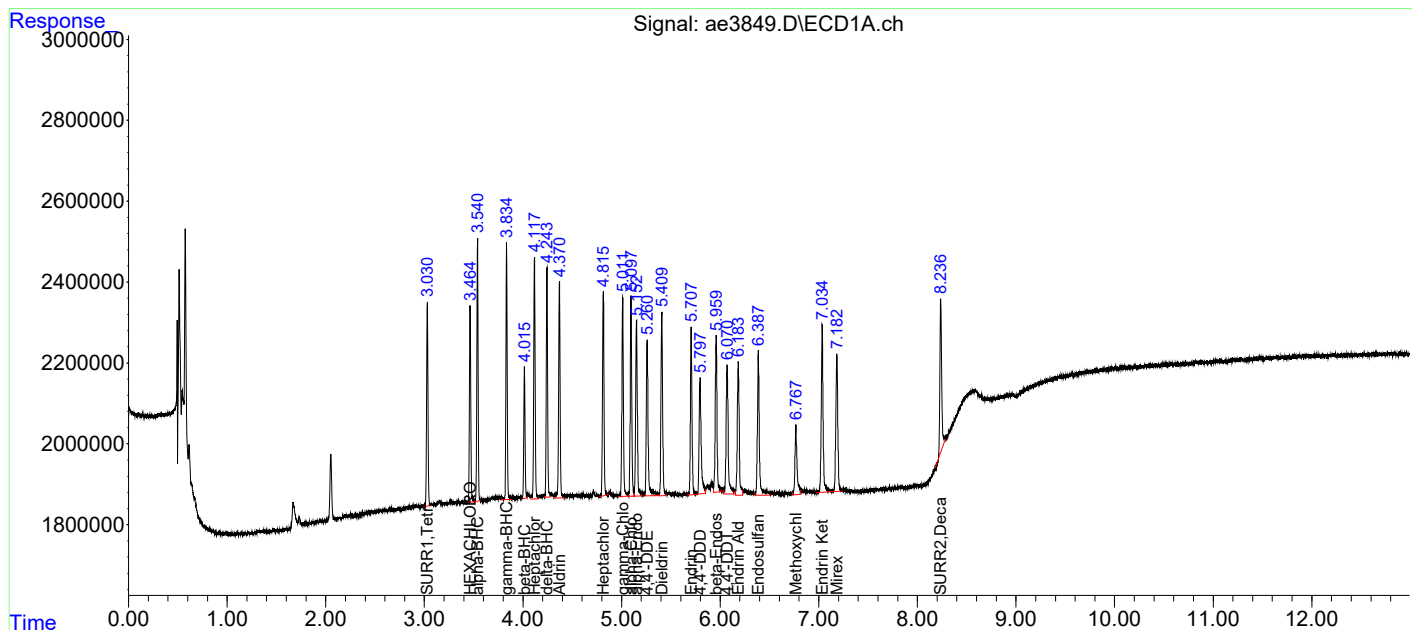
System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.639	4873232	45958289	1.062	1.025m
Spiked Amount	100.000	Range	30 - 150	Recovery	= 1.06%#	1.02%#
26) S SURR2,Dec...	8.236	8.781	4710379	39501070	1.034	0.976
Spiked Amount	100.000	Range	30 - 150	Recovery	= 1.03%#	0.98%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.039	4653031	45887166	1.136	1.054m
3) tc alpha-BHC	3.540	3.972	5771033	60662185	0.910	0.920
4) tcm gamma-BHC (L	3.835	4.239	5784802	56035663	0.981	0.937
5) tcm Heptachlor	4.117	4.747	6005031	60365438	0.999	0.949
6) tcm Aldrin	4.371	5.039	5701594	53582078	0.977	0.910
7) tc beta-BHC	4.015	4.449	2892476	25138337	1.082m	1.036
8) tc delta-BHC	4.243	4.676	5328058	54445324	0.917m	0.929
9) tc Heptachlor E	4.816	5.433	5240349	52575130	0.953	0.961
10) tc alpha-Endosu	5.153	5.825	5017700	49658397	0.966	0.957
11) tc gamma-Chlord	5.012	5.730	5438744	52528704	0.961	0.941
12) tc alpha-Chlord	5.097	5.779	5383448	51012367	0.965	0.939
13) tc 4,4'-DDE	5.260	5.899	4871983	46402752	0.903m	0.878
14) tcm Dieldrin	5.409	6.076	5225834	49876870	0.899m	0.860m
15) tcm Endrin	5.707	6.314	4713522	52641528	0.905	1.007m
17) tc beta-Endosul	5.960	6.580	4803893	46157700	0.925	0.905
18) tc 4,4'-DDD	5.797	6.422	3993572	44896374	0.875	0.977
19) tcm 4,4'-DDT	6.070	6.745	4523932	45459331	0.895m	0.898
20) tc Endrin Aldeh	6.183	6.694	4342790	38284627	0.960m	0.934
21) tc Endosulfan S	6.387	6.993	5065008	47906279	1.016m	0.904
22) tc Methoxychlor	6.767	7.210	2642699	24342025	0.961m	0.988m
24) tc Endrin Keton	7.034	7.465	5610995	52229945	0.947	0.978
25) tc Mirex	7.182	8.040	4854003	36316165	1.057	1.001
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 02:50 pm
Operator : a.moses
Sample : 8081 std 1
Misc : initial cal.
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:19:15 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

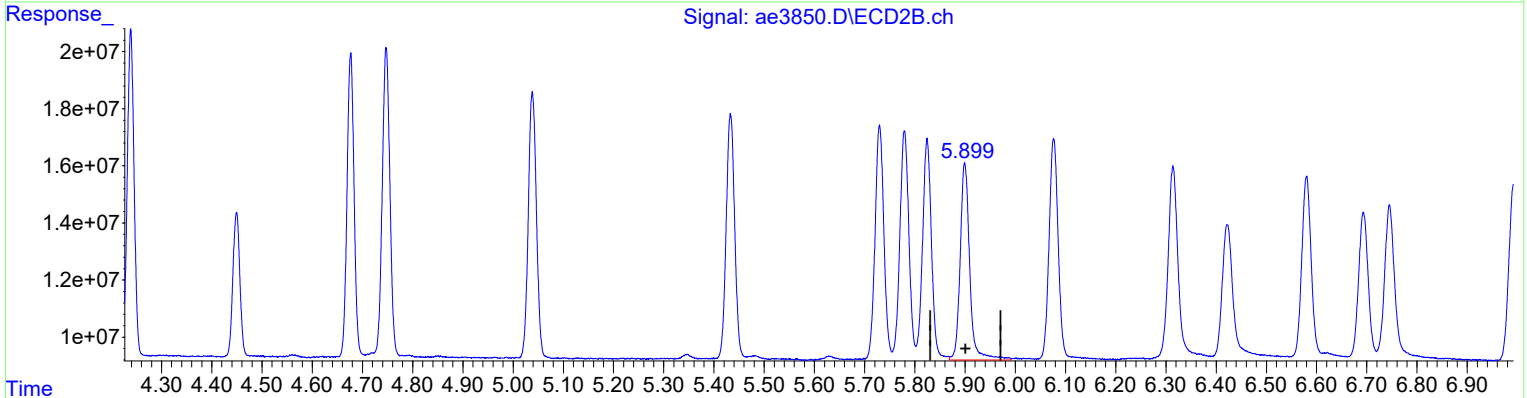
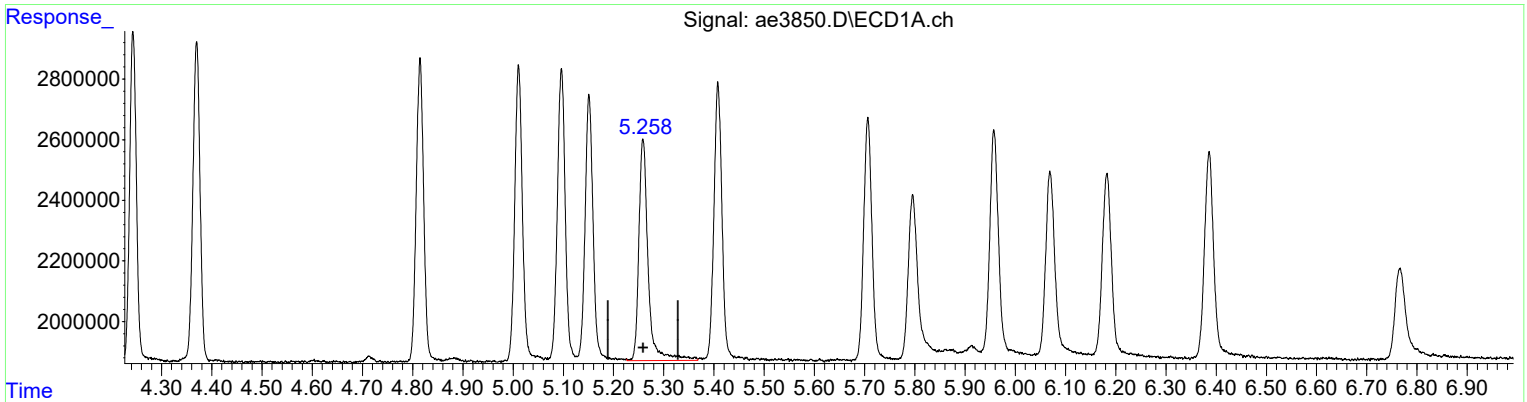
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:08 pm
 Operator : a.moses
 Sample : 8081 std 2
 Misc : initial cal.
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:14:28 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

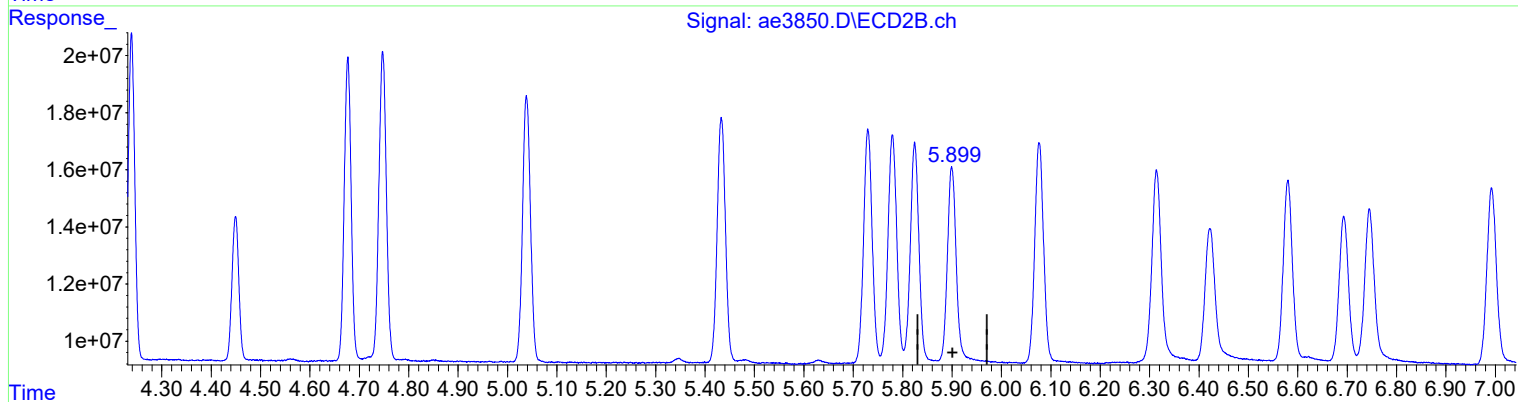
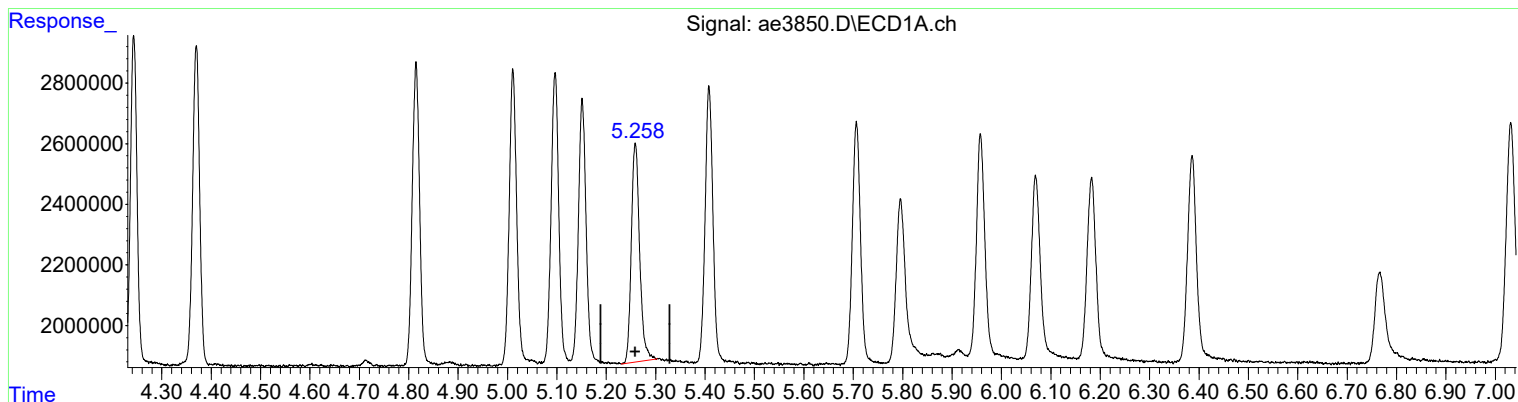


Retention Time (min)	Concentration (ug/l m)	Response	Integration Status
(13) 4,4'-DDE (tc)			Manual Integration:
5.258min	1.699	9399528	After
			Poor integration.
			04/29/19
(13) 4,4'-DDE #2 (tc)			
5.899min	1.690	91693080	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

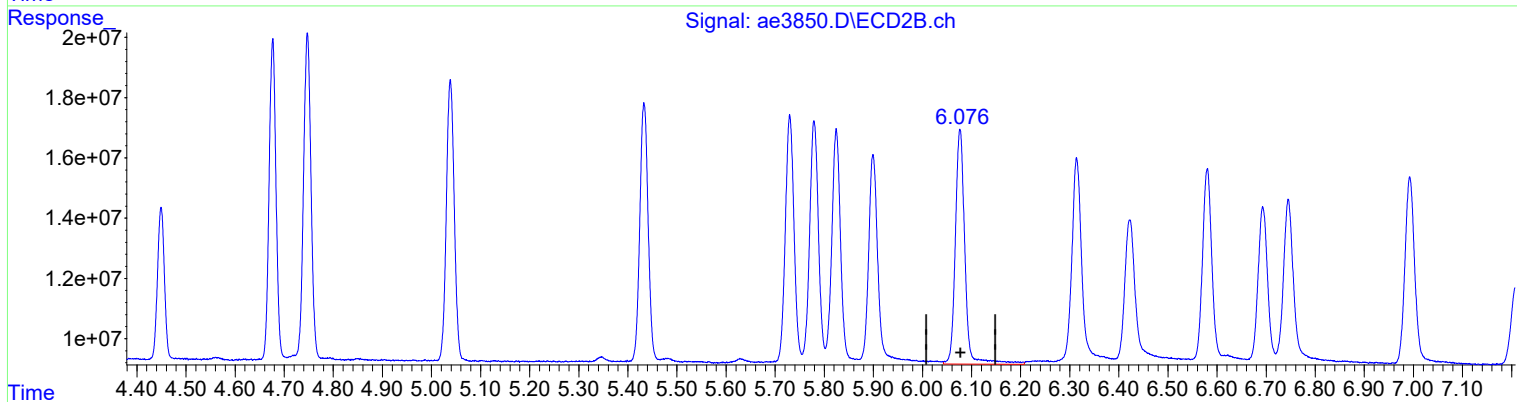
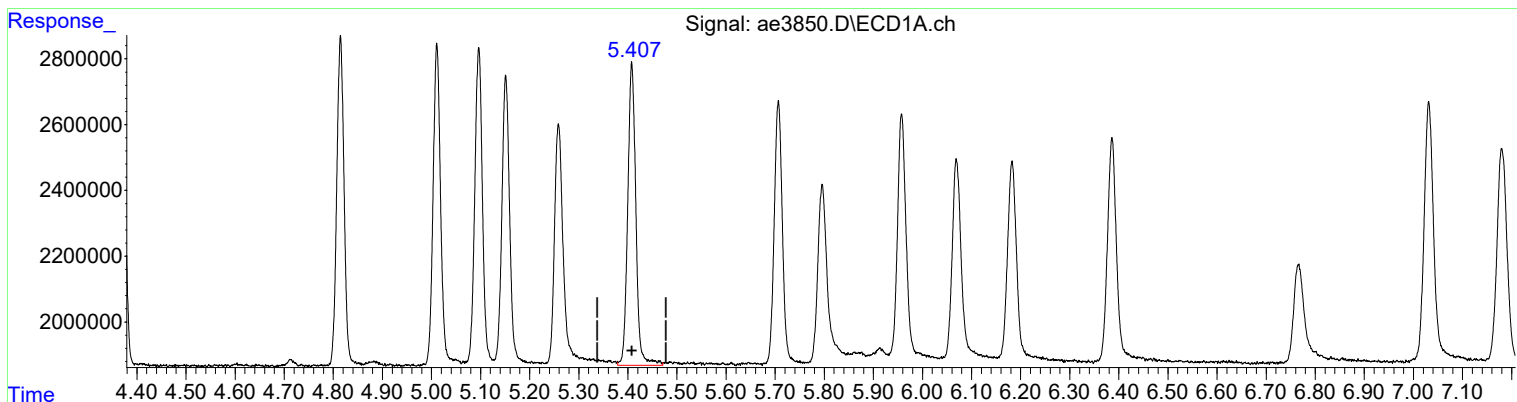


Retention Time (min)	Concentration (ug/l)	Response	Integration Status
(13) 4,4'-DDE (tc)			Manual Integration: Before
5.259min	1.525 ug/l	8433964	
(13) 4,4'-DDE #2 (tc)			04/29/19
5.900min	1.771 ug/l	96086569	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(14) Dieldrin (tcm)
5.407min 1.785 ug/l m
response 10560486

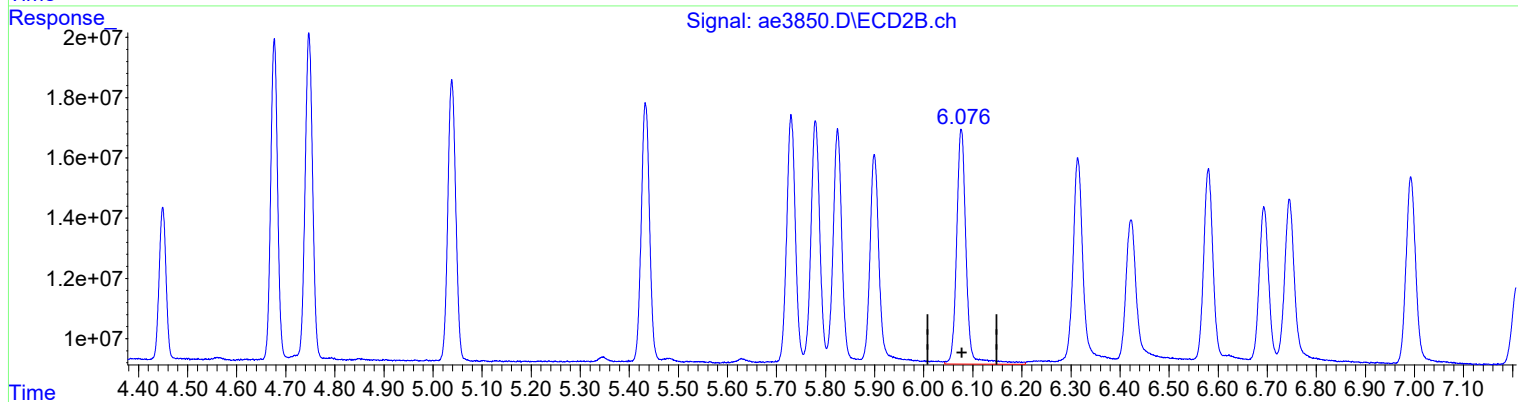
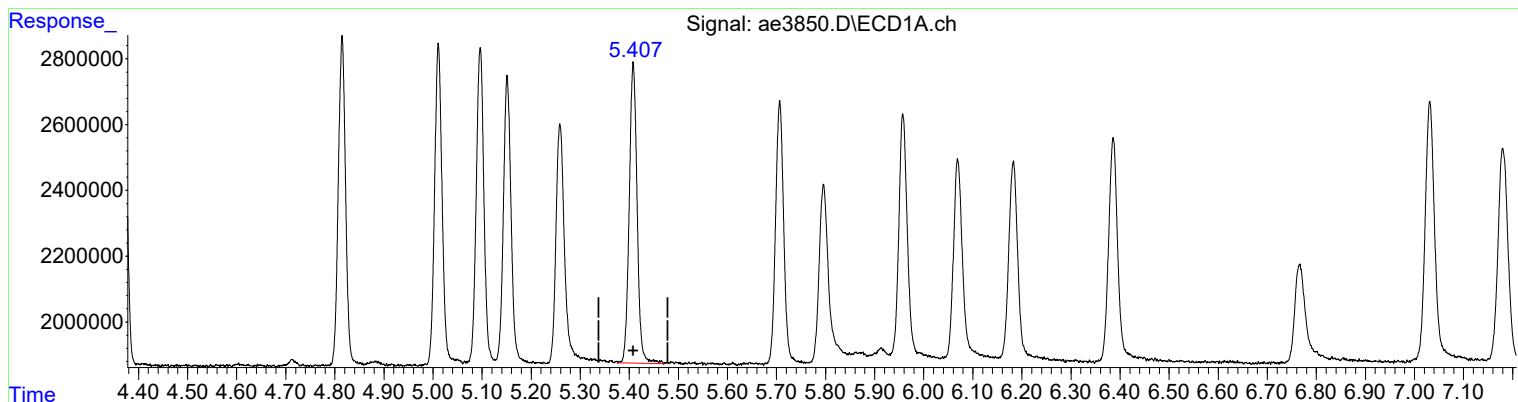
(14) Dieldrin #2 (tcm)
6.077min 1.776 ug/l
response 105004449

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(14) Dieldrin (tcm)
5.408min 1.722 ug/l
response 10188569

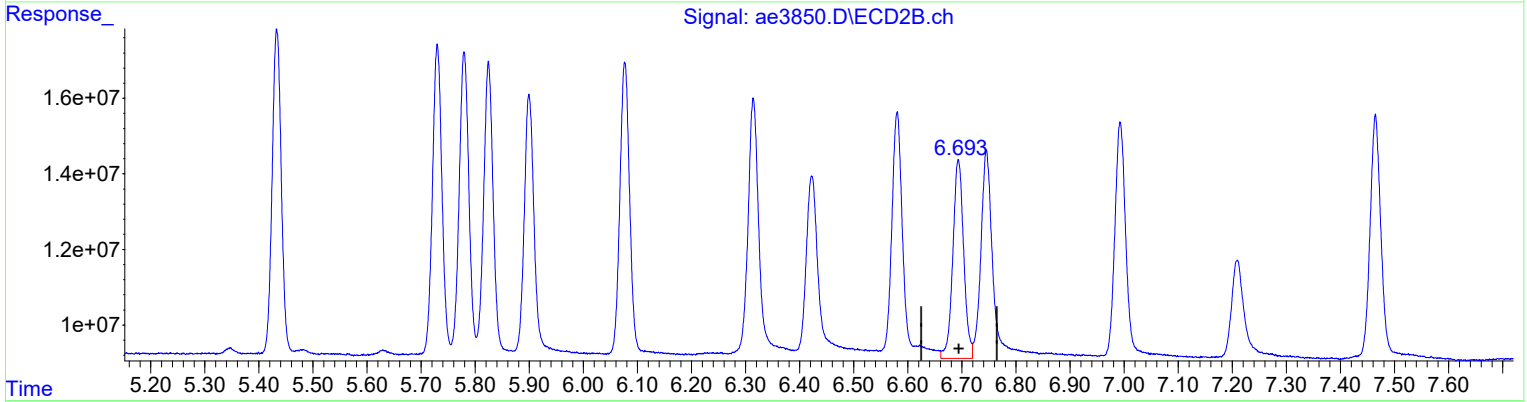
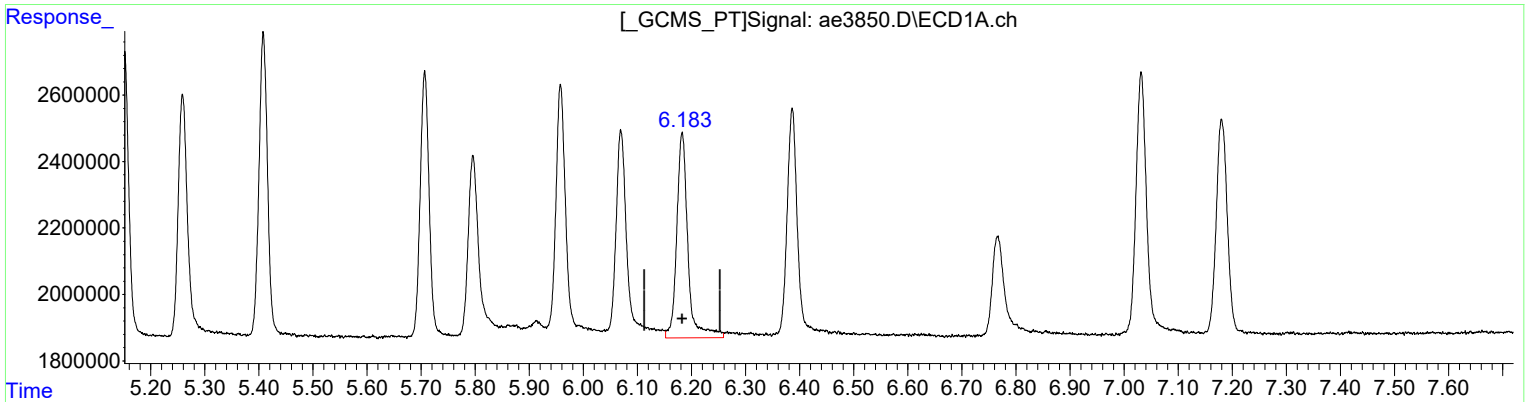
(14) Dieldrin #2 (tcm)
6.077min 1.776 ug/l
response 105004449

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(20) Endrin Aldeh (tc)
6.183min 1.949 ug/l m
response 8852299

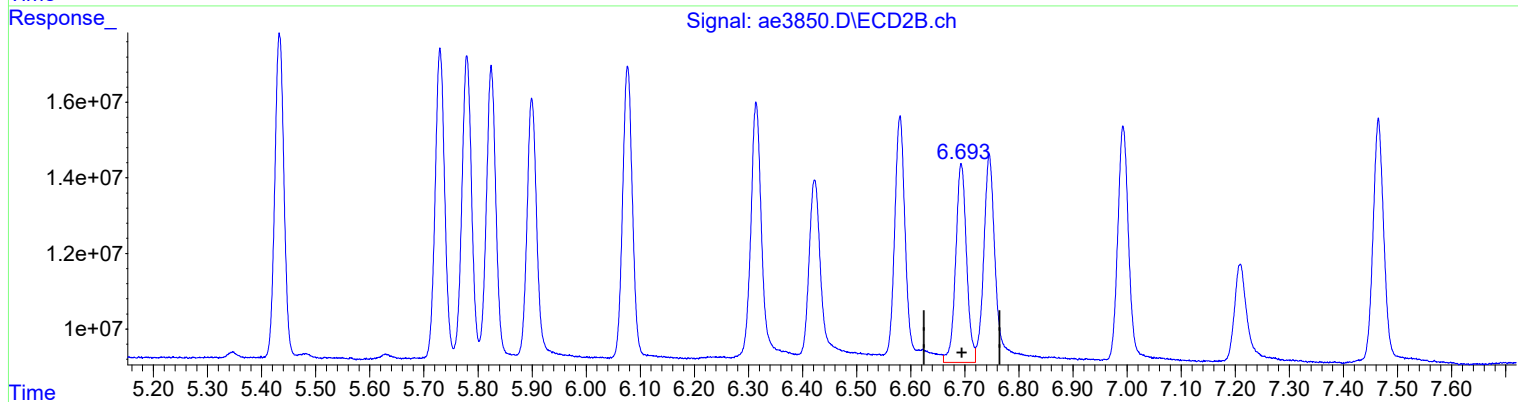
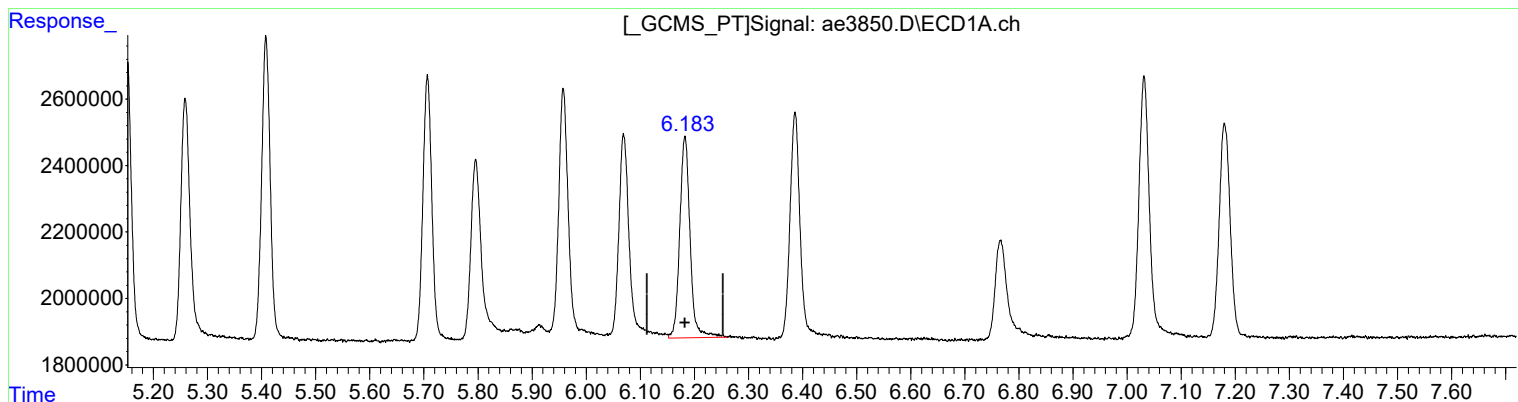
(20) Endrin Aldeh #2 (tc)
6.693min 1.754 ug/l
response 73378985

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



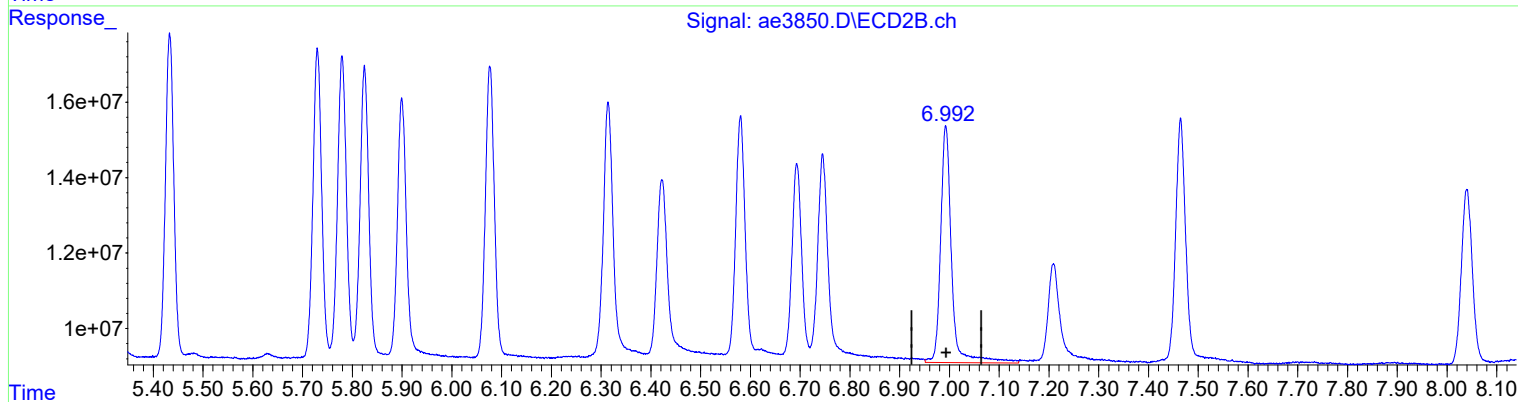
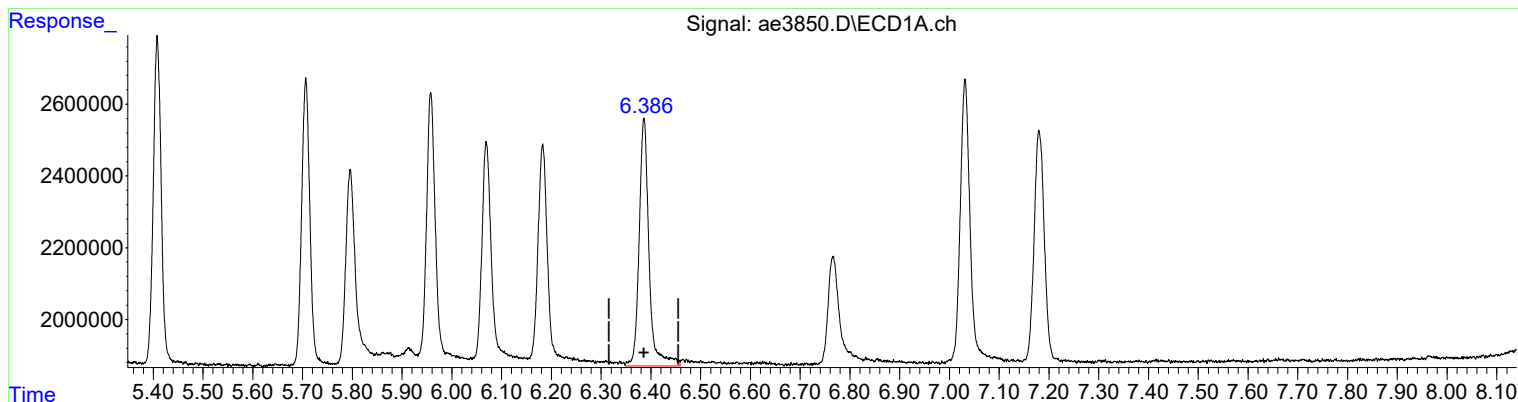
QEdit

(20) Endrin Aldeh (tc)	Manual Integration:
6.183min 1.771 ug/l	Before
response 8043510	04/29/19
(20) Endrin Aldeh #2 (tc)	
6.693min 1.754 ug/l	
response 73378985	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(21) Endosulfan S (tc)
6.386min 1.898 ug/l m
response 9540496

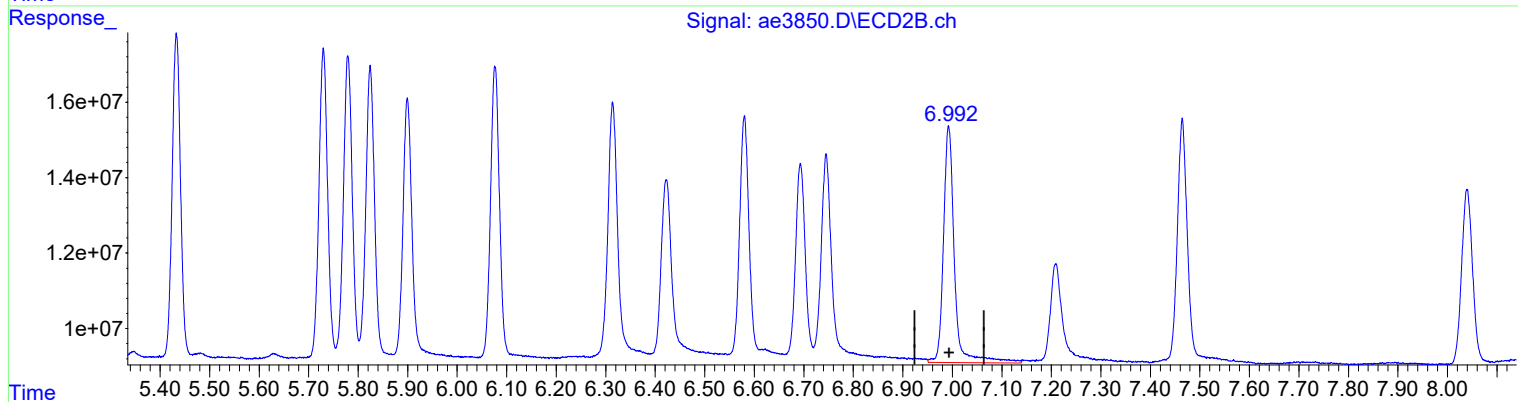
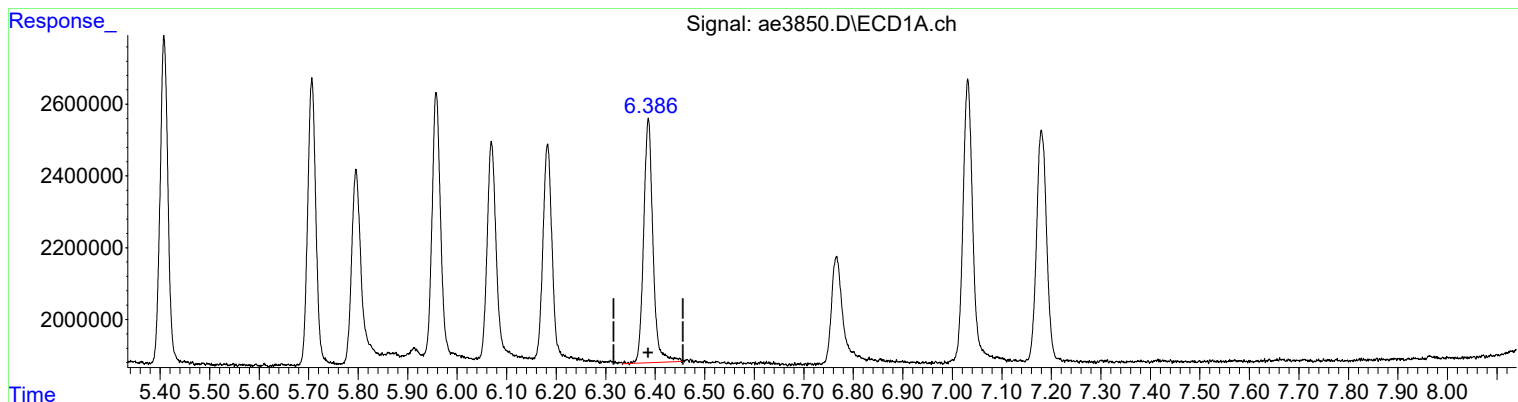
(21) Endosulfan S #2 (tc)
6.993min 1.775 ug/l
response 95839134

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

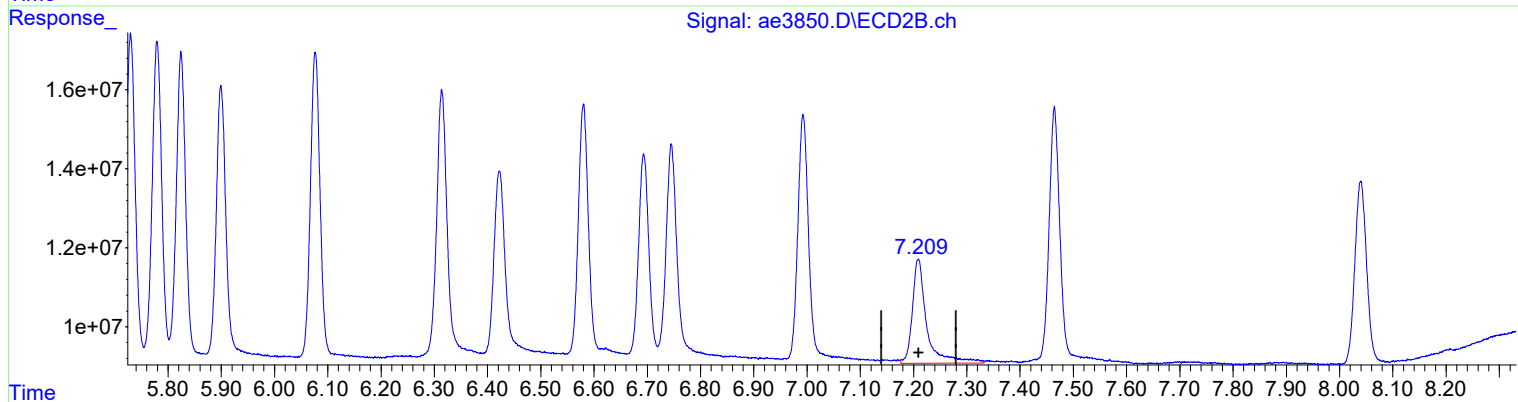
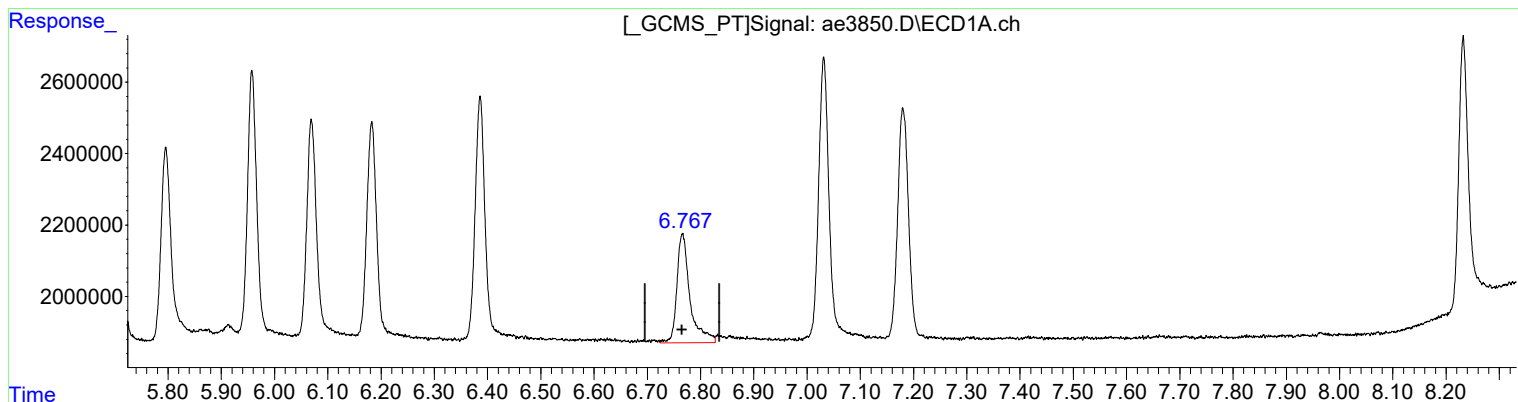


Retention Time (min)	Concentration (ug/l)	Response	Integration Status	Date
6.386	1.769	8893662	Manual Integration: Before	04/29/19
6.993	1.775	95839134		

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



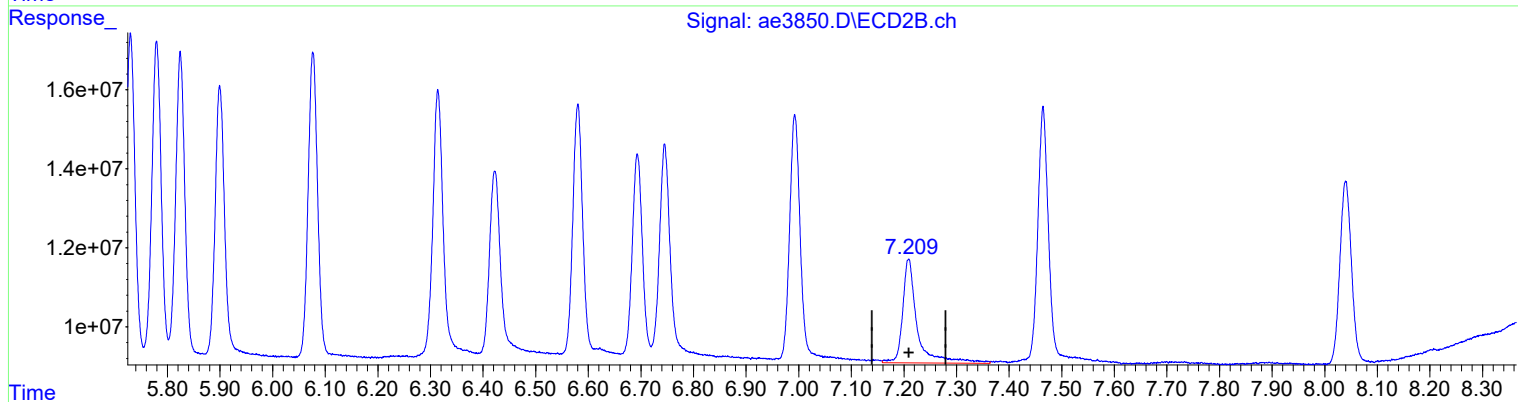
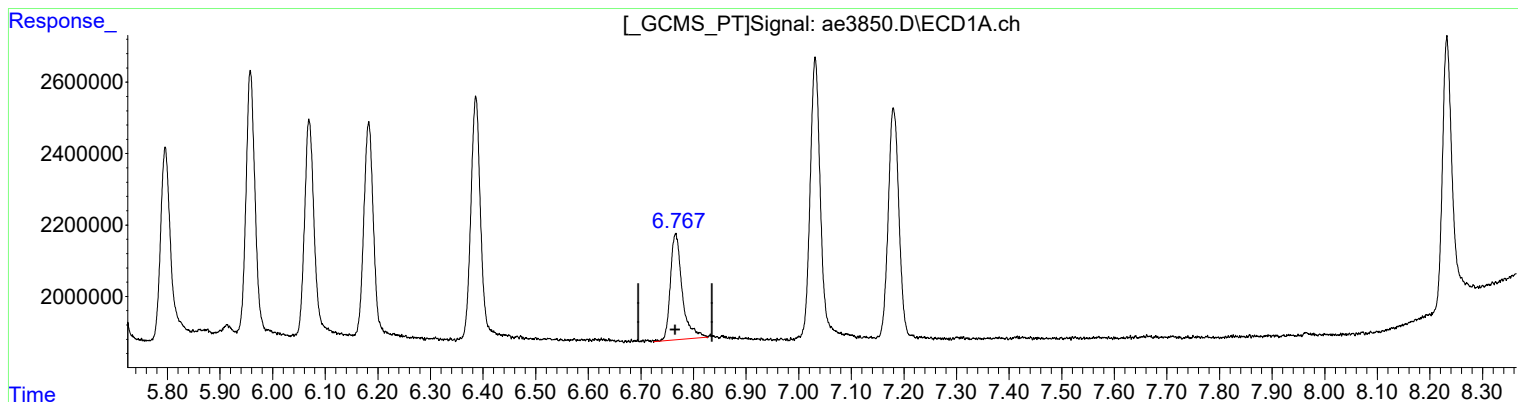
QEdit

(22) Methoxychlor (tc) 6.767min 1.887 ug/l m response 5237977	Manual Integration: After Poor integration. 04/29/19
(22) Methoxychlor #2 (tc) 7.209min 1.996 ug/l m response 49201427	

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.766min 1.677 ug/l
response 4654937

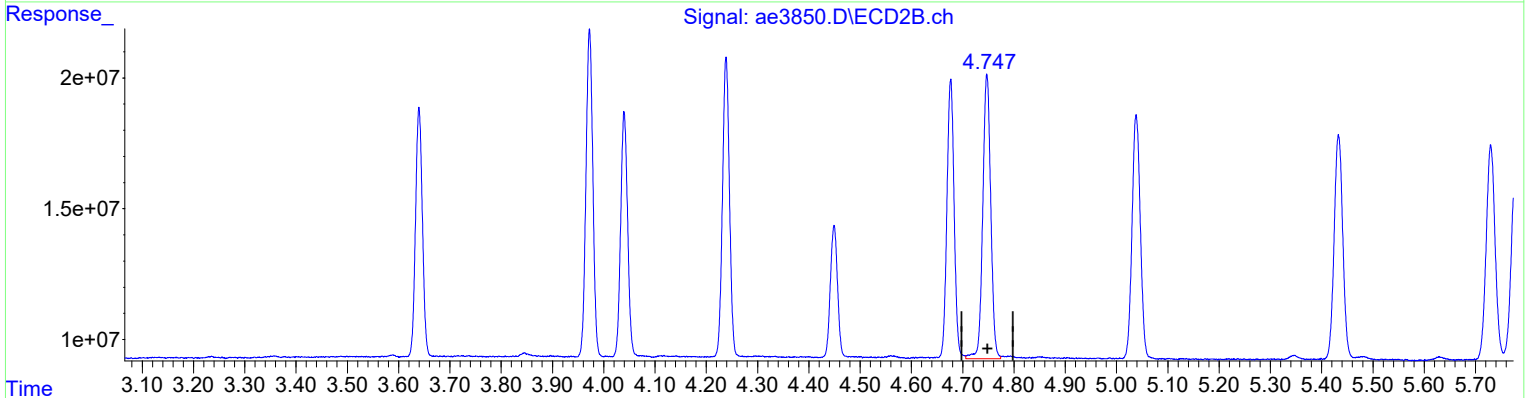
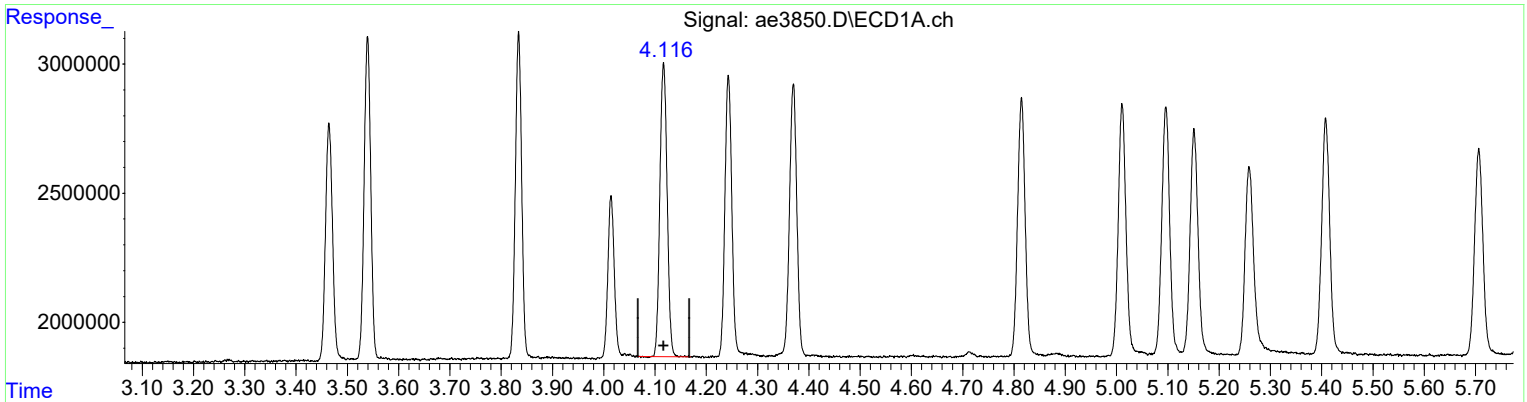
Manual Integration:
Before
04/29/19

(22) Methoxychlor #2 (tc)
7.209min 2.067 ug/l
response 50966806

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(5) Heptachlor (tcm)
4.117min 1.827 ug/l
response 11141986

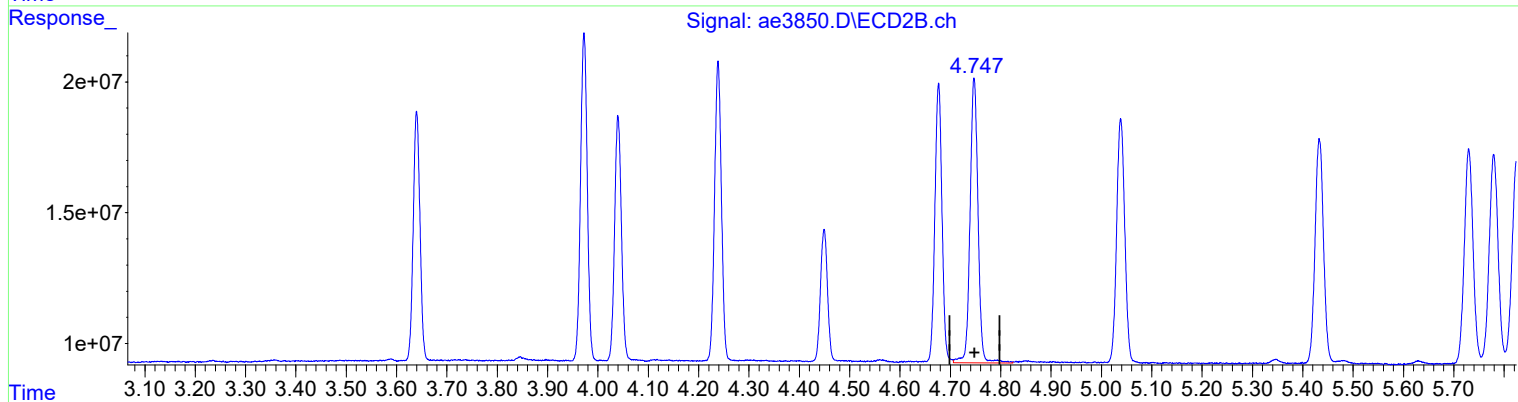
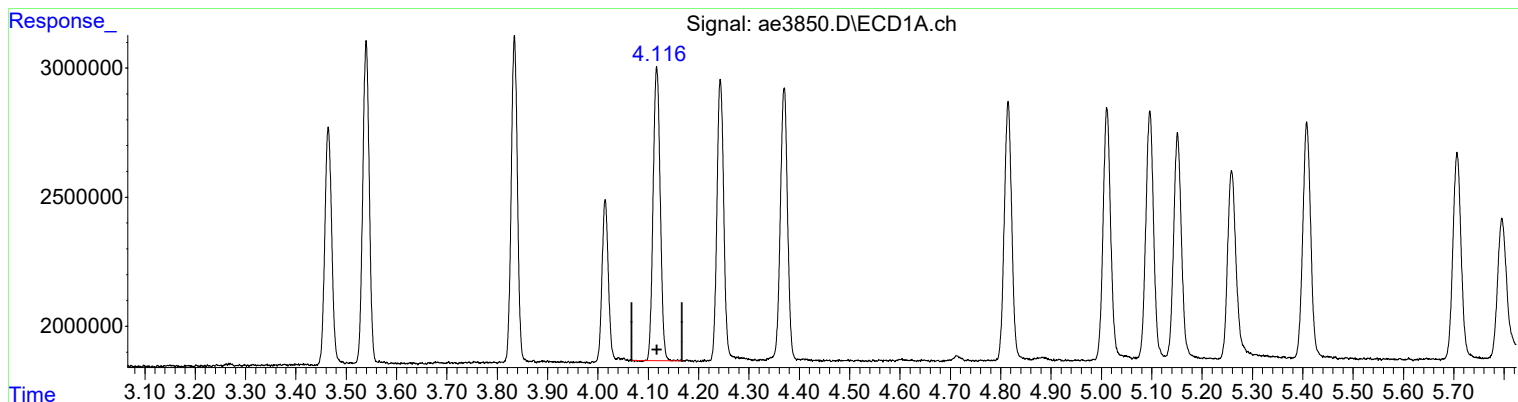
(5) Heptachlor #2 (tcm)
4.747min 1.816 ug/l m
response 117304647

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(5) Heptachlor (tcm)
4.117min 1.827 ug/l
response 11141986

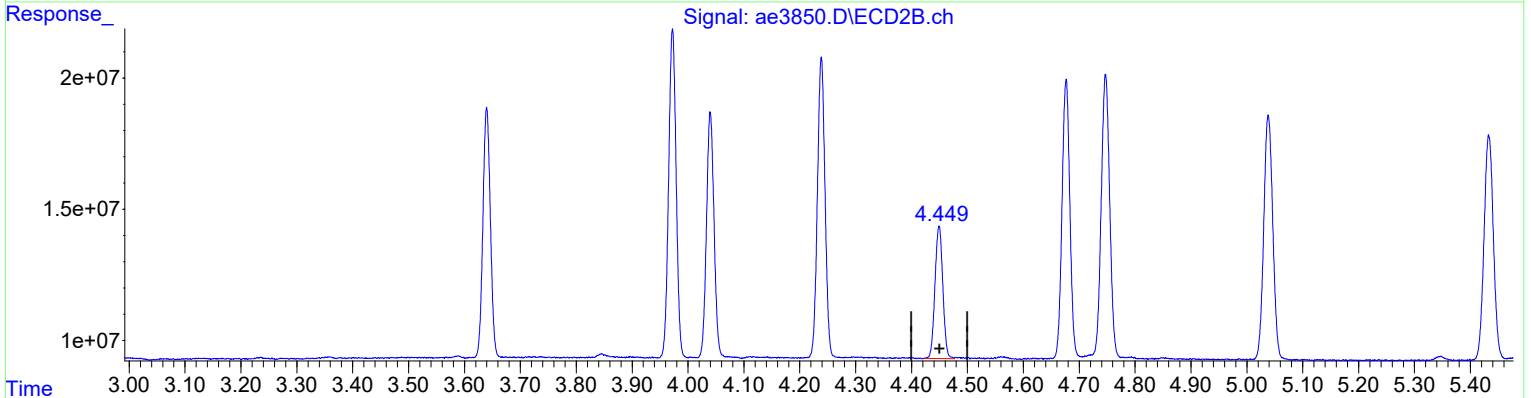
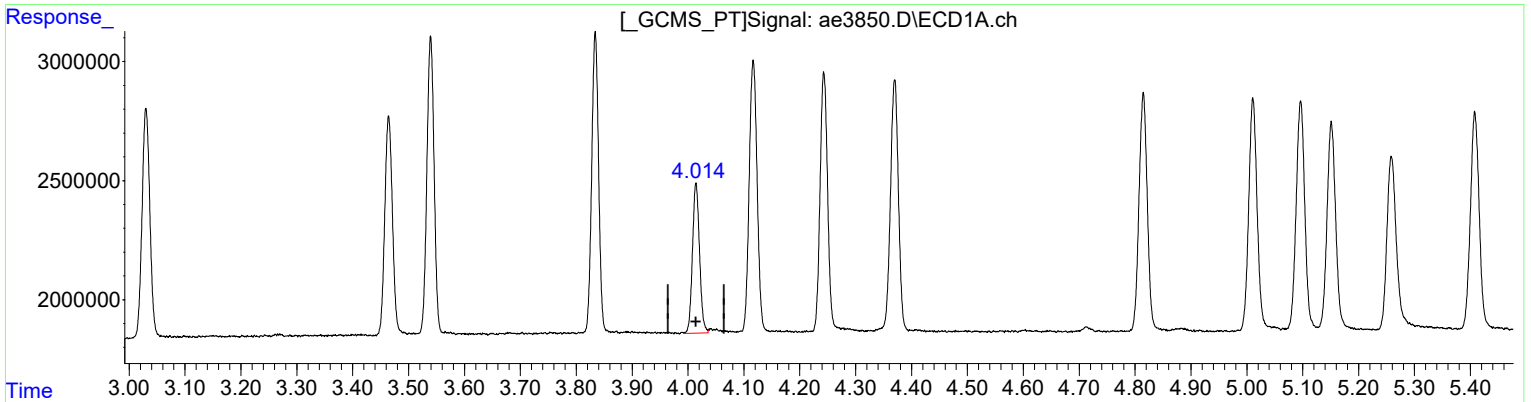
(5) Heptachlor #2 (tcm)
4.747min 1.851 ug/l
response 119585847

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(7) beta-BHC (tc)
4.014min 2.080 ug/l m
response 5520376

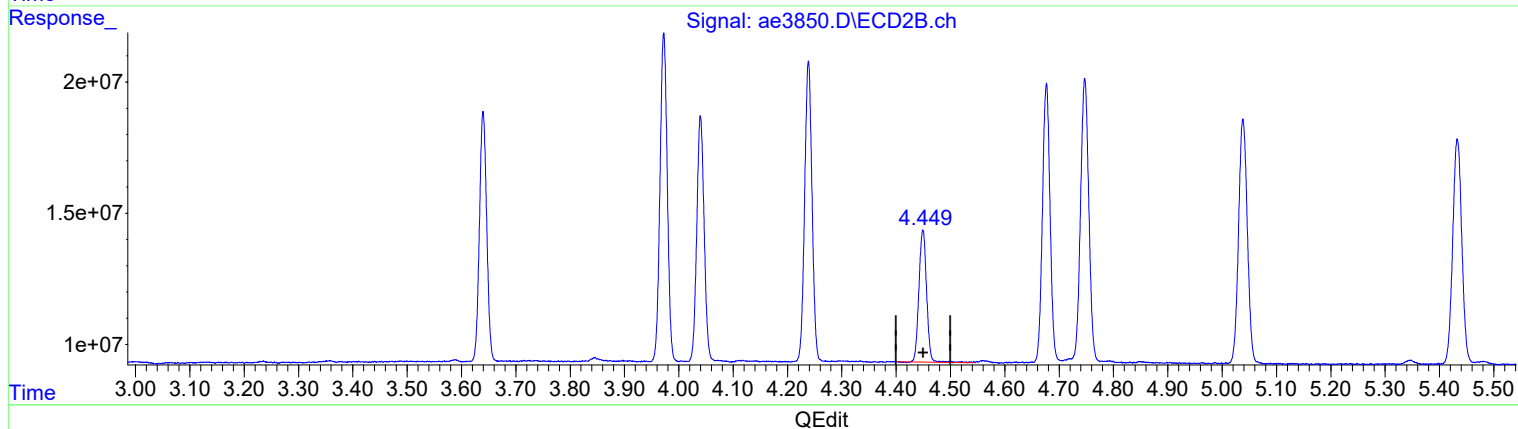
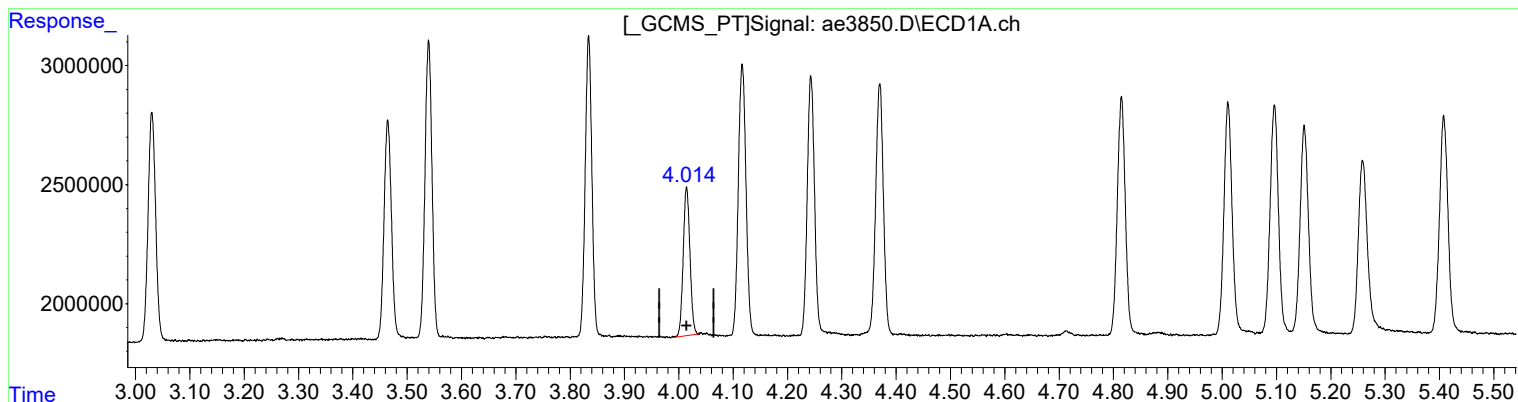
(7) beta-BHC #2 (tc)
4.449min 2.029 ug/l m
response 49131919

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:08 pm
Operator : a.moses
Sample : 8081 std 2
Misc : initial cal.
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:14:28 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(7) beta-BHC (tc)
4.014min 2.022 ug/l
response 5368544

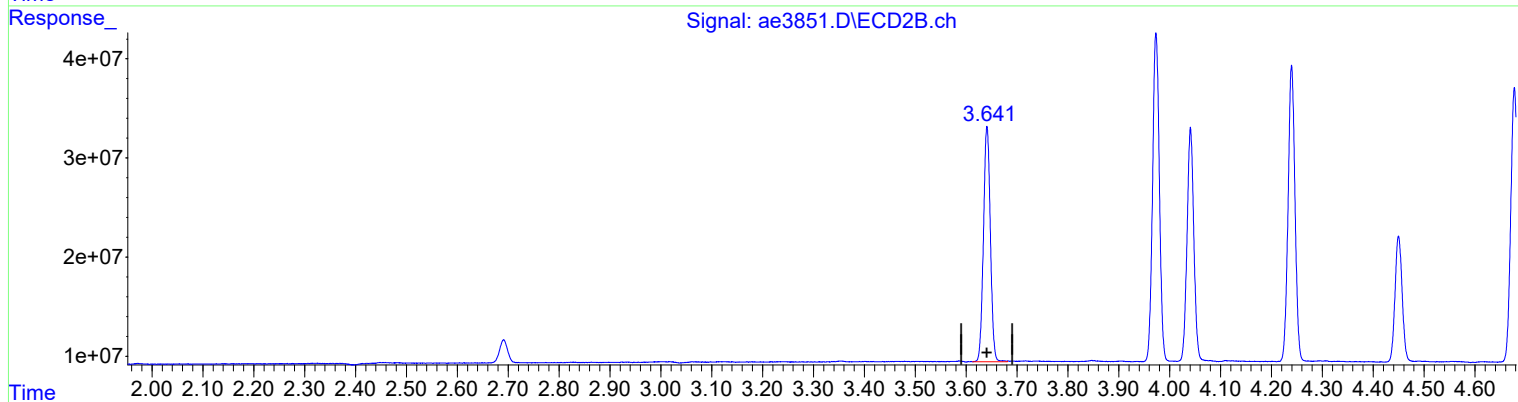
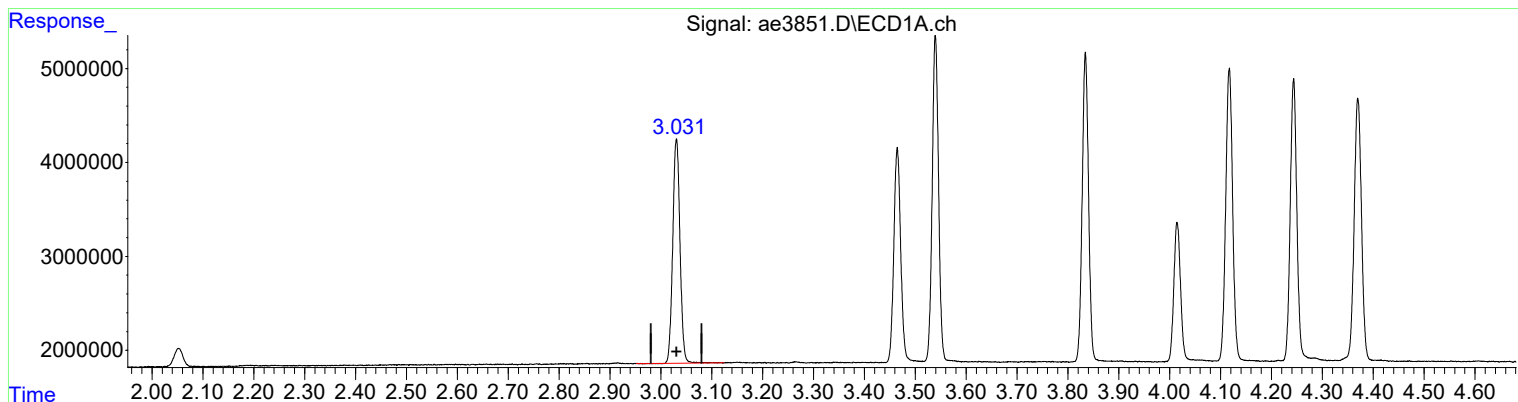
(7) beta-BHC #2 (tc)
4.449min 2.038 ug/l
response 49343033

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(1) SURR1,Tetrac (S)
3.031min 4.755 ug/l
response 23617840

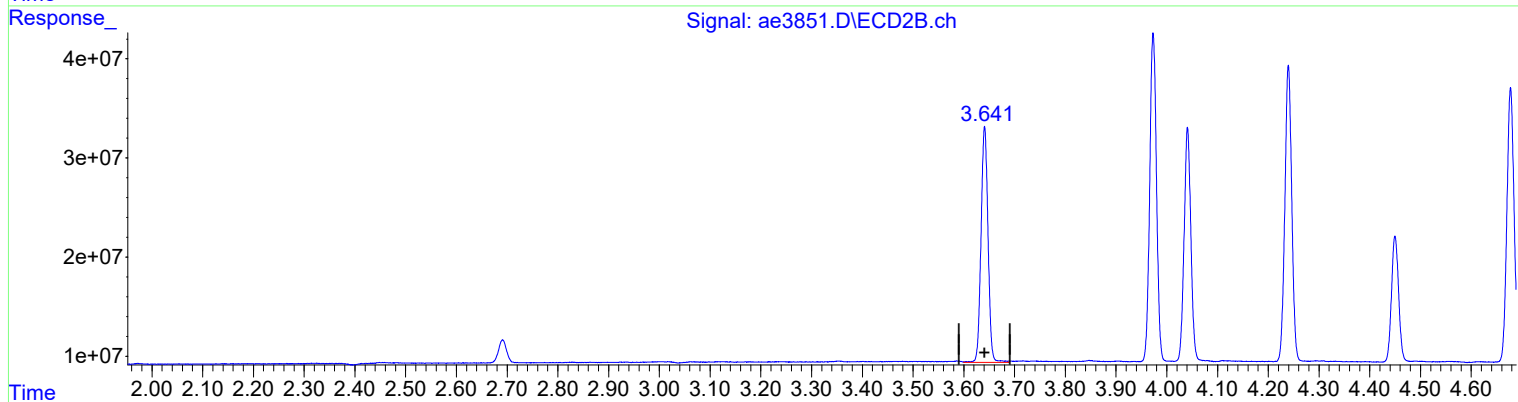
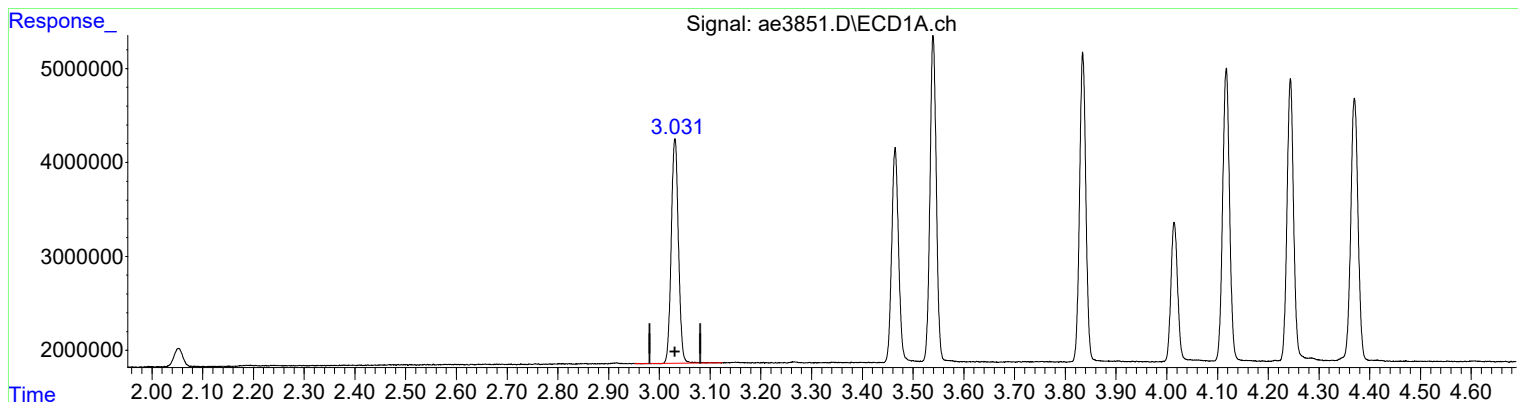
(1) SURR1,Tetrac #2 (S)
3.641min 4.707 ug/l m
response 223596474

Manual Integration:
After
Wrong peak selected.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(1) SURR1,Tetrac (S)
3.031min 4.755 ug/l
response 23617840

Manual Integration:
Before
04/29/19

(1) SURR1,Tetrac #2 (S)
3.641min 4.792 ug/l
response 227648473

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3851.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:25 pm
 Operator : a.moses
 Sample : 8081 std 3
 Misc : initial cal.
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:07:53 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	23617840	223.6E6	4.755	4.707m
Spiked Amount	100.000	Range	30 - 150	Recovery	= 4.75%#	4.71%#
26) S SURR2,Dec...	8.232	8.770	26445773	218.8E6	4.643	4.776
Spiked Amount	100.000	Range	30 - 150	Recovery	= 4.64%#	4.78%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	21741393	221.5E6	4.815	4.791
3) tc alpha-BHC	3.540	3.973	30333625	309.6E6	4.625	4.666
4) tcm gamma-BHC (L	3.835	4.240	29150361	283.3E6	4.691	4.661
5) tcm Heptachlor	4.117	4.748	29834988	311.2E6	4.632	4.664
6) tcm Aldrin	4.370	5.039	28049027	278.5E6	4.579	4.607
7) tc beta-BHC	4.015	4.450	14176177	124.9E6	4.805	4.795
8) tc delta-BHC	4.244	4.678	27287341	275.0E6	4.581	4.661
9) tc Heptachlor E	4.815	5.434	27425240	264.5E6	4.641	4.638
10) tc alpha-Endosu	5.152	5.826	25782321	253.5E6	4.650	4.678
11) tc gamma-Chlord	5.011	5.731	27581122	265.5E6	4.612	4.640
12) tc alpha-Chlord	5.096	5.780	27541598	262.0E6	4.631	4.647
13) tc 4,4'-DDE	5.259	5.901	25313274	247.8E6	4.555	4.616
14) tcm Dieldrin	5.408	6.078	27880234	277.3E6	4.623	4.752
15) tcm Endrin	5.707	6.315	24637628	254.6E6	4.548	4.857
17) tc beta-Endosul	5.958	6.582	25351921	250.0E6	4.626	4.926
18) tc 4,4'-DDD	5.796	6.423	22138399	222.7E6	4.536	4.945
19) tcm 4,4'-DDT	6.070	6.746	23966336	241.4E6	4.572	4.947
20) tc Endrin Aldeh	6.183	6.694	22338180	196.7E6	4.737	4.833
21) tc Endosulfan S	6.386	6.993	24541811	256.2E6	4.648	4.961
22) tc Methoxychlor	6.766	7.210	14604761	136.4E6	4.691	5.201
24) tc Endrin Keton	7.032	7.465	29733312	263.8E6	4.641	4.793
25) tc Mixex	7.181	8.042	24221816	190.1E6	4.743	4.780
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

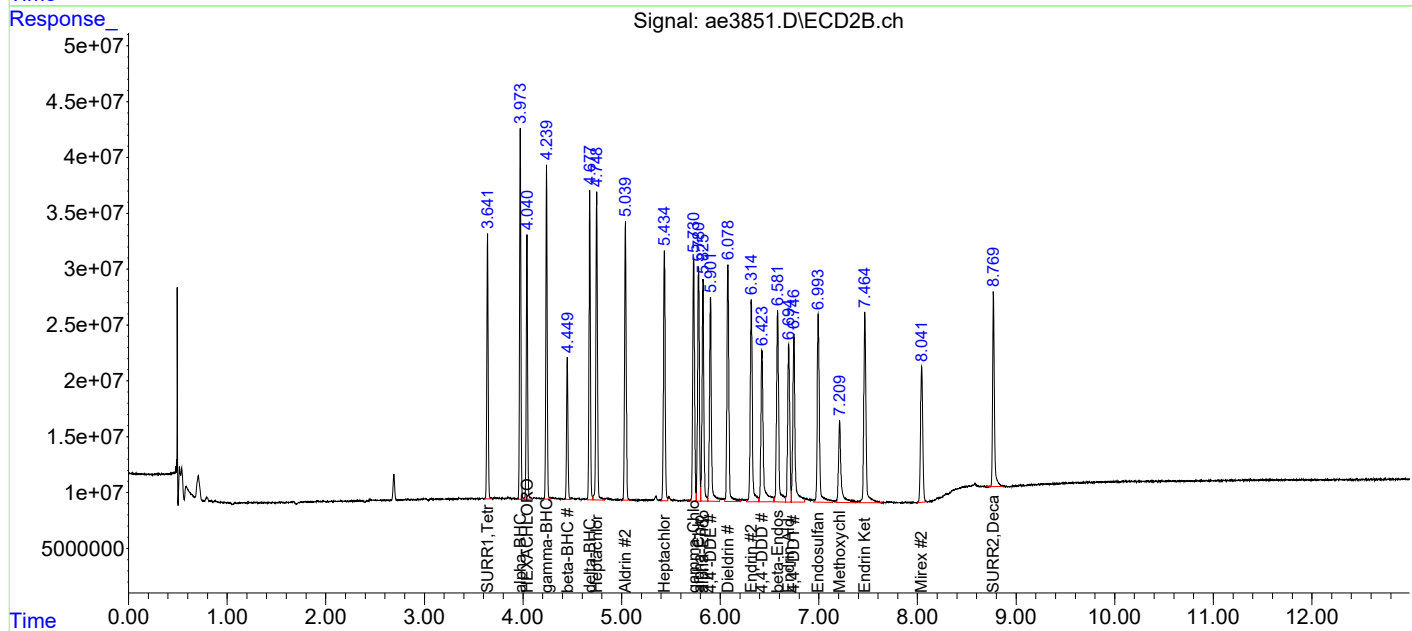
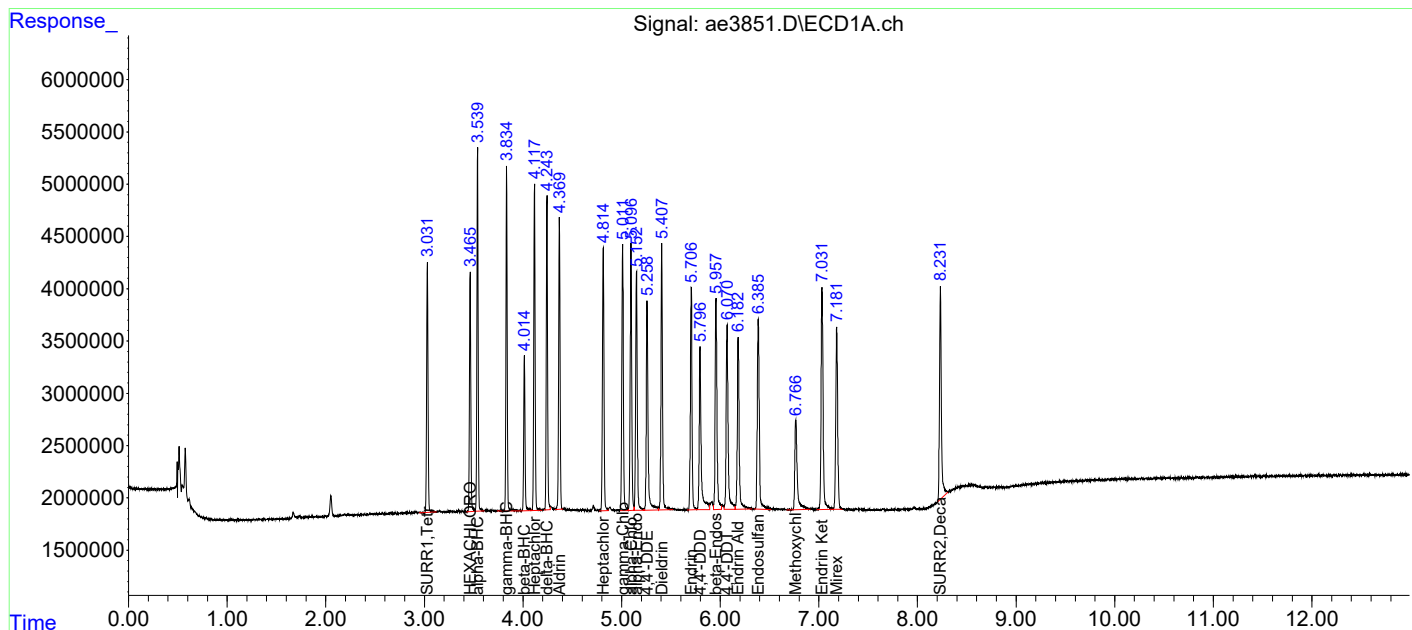
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:25 pm
Operator : a.moses
Sample : 8081 std 3
Misc : initial cal.
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:07:53 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

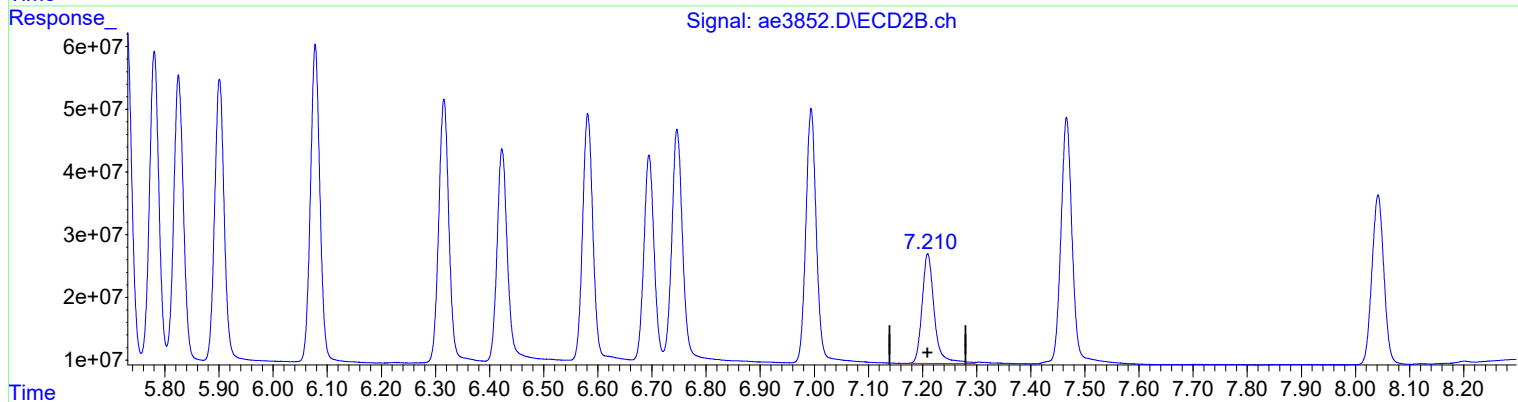
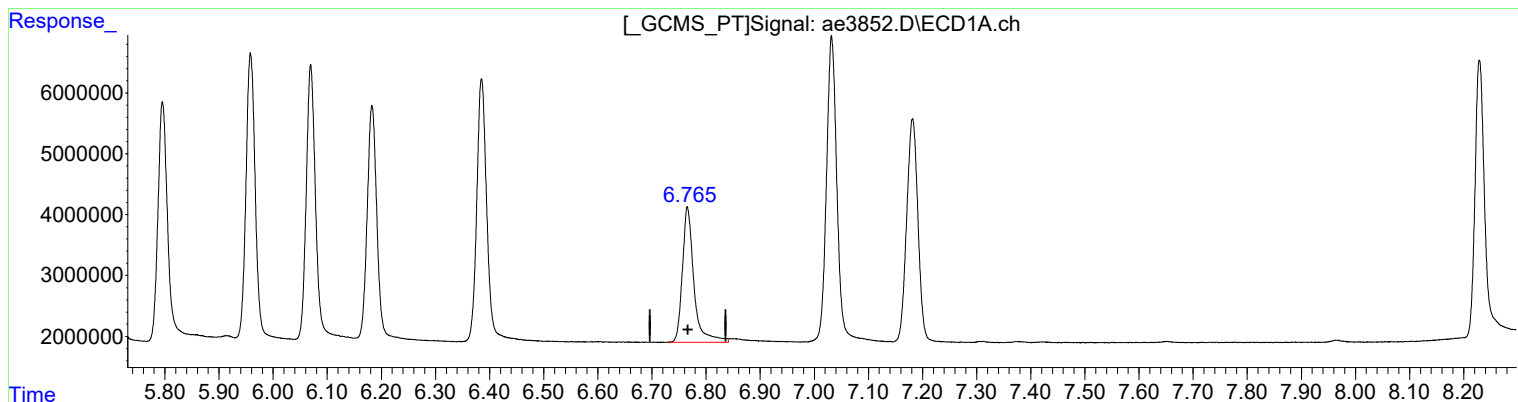
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.765min 11.317 ug/l m
response 33056857

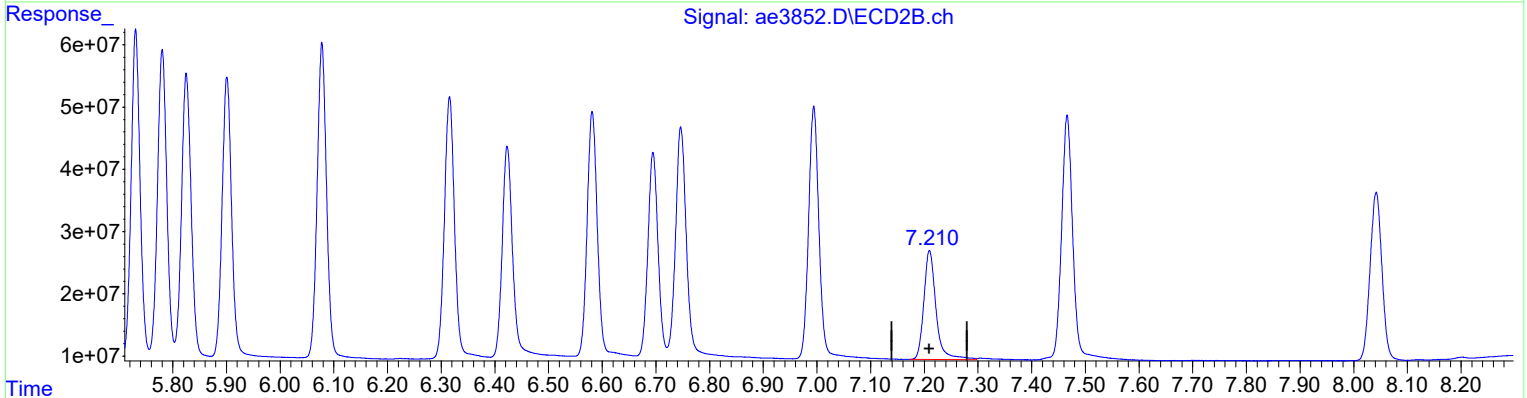
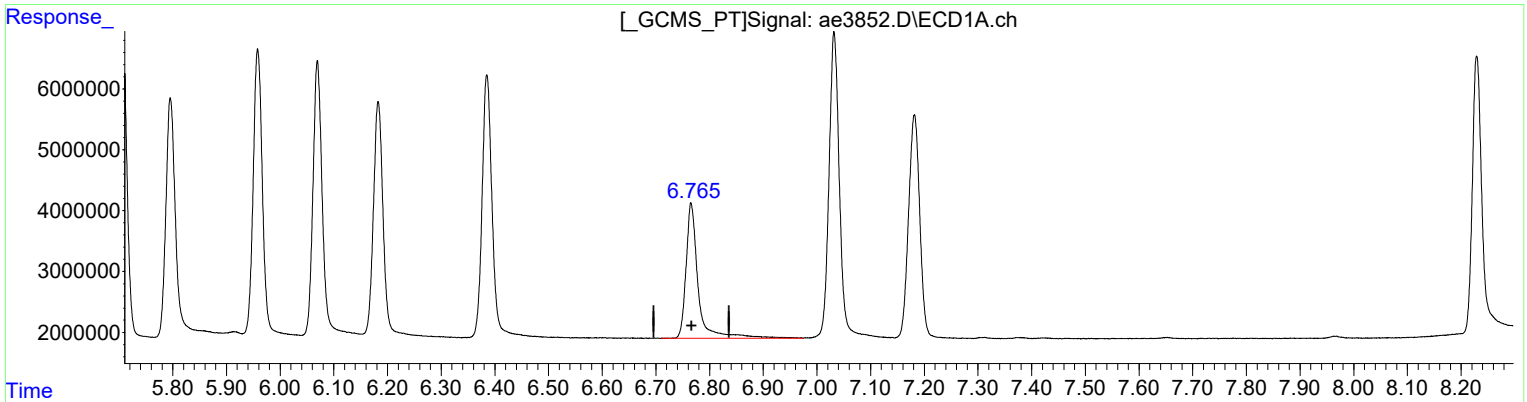
(22) Methoxychlor #2 (tc)
7.210min 11.039 ug/l
response 275282623

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(22) Methoxychlor (tc)
6.766min 12.014 ug/l
response 35093279

Manual Integration:
Before
04/29/19

(22) Methoxychlor #2 (tc)
7.210min 11.039 ug/l
response 275282623

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 03:43 pm
 Operator : a.moses
 Sample : 8081 std 4
 Misc : initial cal.
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:56:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	52108389	494.9E6	11.032	10.869
Spiked Amount	100.000	Range	30 - 150	Recovery	= 11.03%#	10.87%#
26) S SURR2,Dec...	8.229	8.765	56850158	478.8E6	9.961	10.940
Spiked Amount	100.000	Range	30 - 150	Recovery	= 9.96%#	10.94%#
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	46822282	481.6E6	10.768	10.873
3) tc alpha-BHC	3.540	3.973	70507495	707.9E6	11.622	11.432
4) tcm gamma-BHC (L	3.834	4.240	65974676	649.2E6	11.316	11.456
5) tcm Heptachlor	4.117	4.748	69144422	712.0E6	11.588	11.439
6) tcm Aldrin	4.370	5.040	66402709	652.1E6	11.837	11.706
7) tc beta-BHC	4.015	4.450	30648628	271.1E6	10.810	10.856
8) tc delta-BHC	4.243	4.677	64555334	630.0E6	11.829	11.456
9) tc Heptachlor E	4.815	5.434	63347012	611.7E6	11.549	11.562
10) tc alpha-Endosu	5.152	5.825	59330250	580.8E6	11.506	11.545
11) tc gamma-Chlord	5.012	5.731	64436492	615.9E6	11.681	11.653
12) tc alpha-Chlord	5.096	5.780	63868238	605.6E6	11.595	11.605
13) tc 4,4'-DDE	5.259	5.901	60520285	587.5E6	11.954	12.080
14) tcm Dieldrin	5.408	6.078	64849611	631.7E6	11.630	11.793
15) tcm Endrin	5.707	6.316	59077580	561.1E6	11.989	11.513
17) tc beta-Endosul	5.958	6.581	58902048	546.9E6	11.617	11.685
18) tc 4,4'-DDD	5.796	6.423	53330534	489.8E6	12.045	11.922
19) tcm 4,4'-DDT	6.069	6.746	56900826	538.6E6	11.871	12.315
20) tc Endrin Aldeh	6.183	6.695	49643438	438.4E6	11.112	11.676
21) tc Endosulfan S	6.385	6.994	56513324	556.4E6	11.514	11.680
22) tc Methoxychlor	6.765	7.210	33056857	275.3E6	11.317m	11.039
24) tc Endrin Keton	7.032	7.466	68670106	582.5E6	11.548	11.237
25) tc Mirex	7.182	8.042	53683082	415.3E6	11.082	10.921
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

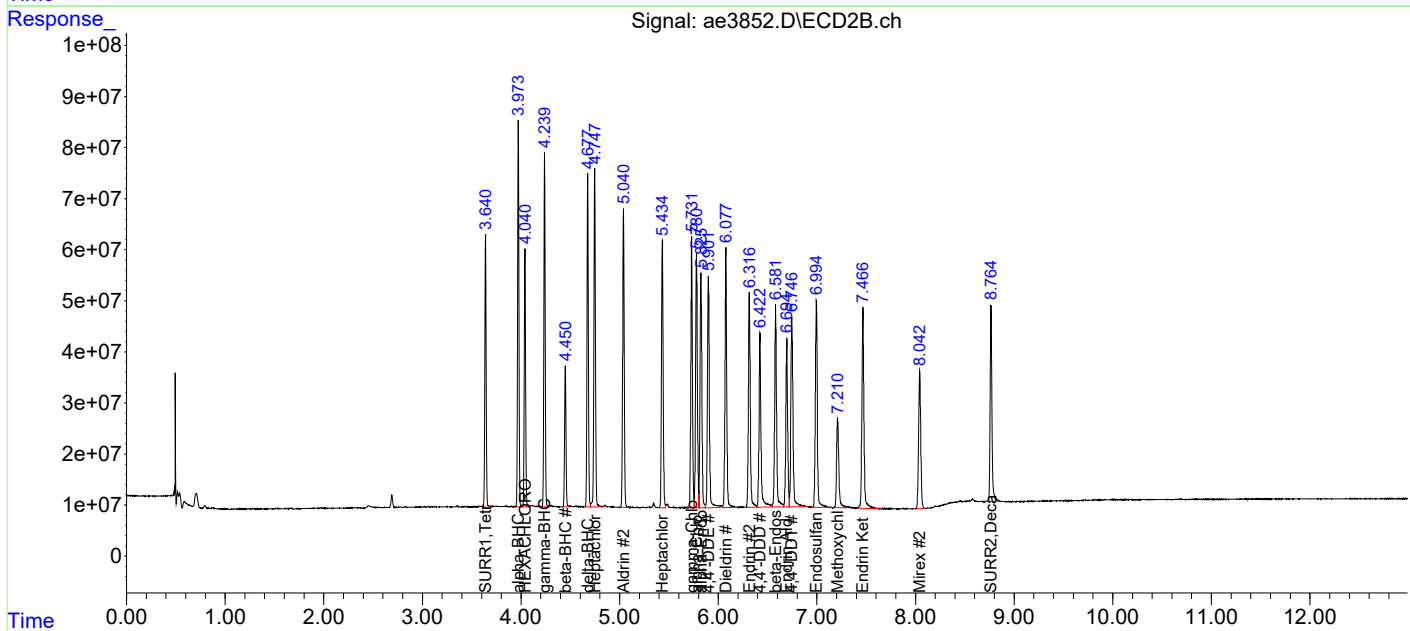
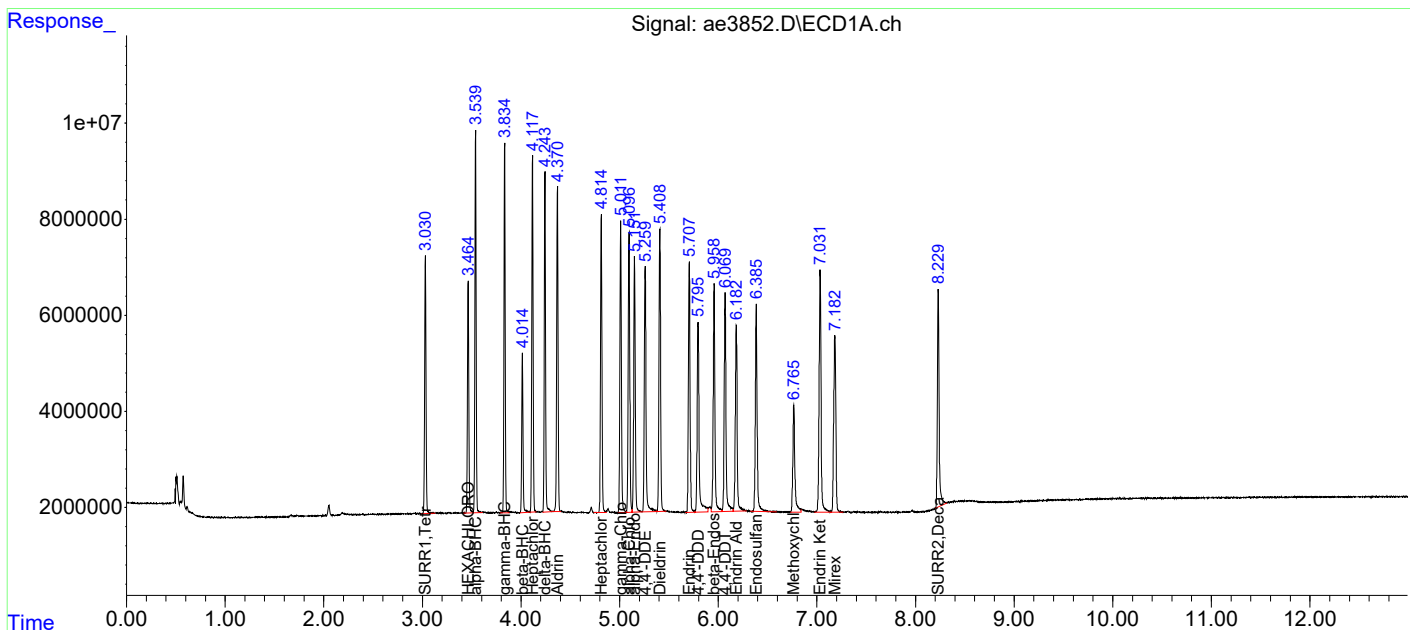
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 03:43 pm
Operator : a.moses
Sample : 8081 std 4
Misc : initial cal.
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:56:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:00 pm
 Operator : a.moses
 Sample : 8081 std 5
 Misc : initial cal.
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:10:47 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:53:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.031	3.641	235.7E6	2304.9E6	47.453	48.935
Spiked Amount	100.000	Range	30 - 150	Recovery	= 47.45%	48.94%
26) S SURR2,Dec...	8.226	8.758	228.1E6	2053.3E6	41.570	44.808
Spiked Amount	100.000	Range	30 - 150	Recovery	= 41.57%	44.81%

Target Compounds

2) TC HEXACHLOR...	3.464	4.041	204.0E6	2196.7E6	45.190	47.521
3) tc alpha-BHC	3.539	3.974	347.0E6	3563.6E6	52.905	53.706
4) tcm gamma-BHC (L	3.834	4.240	316.9E6	3200.6E6	51.004	52.646
5) tcm Heptachlor	4.117	4.749	325.1E6	3403.3E6	50.478	51.009
6) tcm Aldrin	4.370	5.040	320.4E6	3191.3E6	52.310	52.785
7) tc beta-BHC	4.014	4.450	134.9E6	1224.7E6	45.718	47.026
8) tc delta-BHC	4.244	4.678	315.3E6	3149.5E6	52.940	53.385
9) tc Heptachlor E	4.815	5.434	294.4E6	2915.2E6	49.808	51.113
10) tc alpha-Endosu	5.152	5.826	280.4E6	2763.5E6	50.567	50.804
11) tc gamma-Chlord	5.012	5.732	306.0E6	3004.8E6	51.164	52.399
12) tc alpha-Chlord	5.096	5.781	299.8E6	2903.4E6	50.413	51.408
13) tc 4,4'-DDE	5.259	5.902	302.9E6	2889.8E6	54.505	53.359
14) tcm Dieldrin	5.408	6.079	320.3E6	3166.0E6	53.112	53.373
15) tcm Endrin	5.707	6.316	288.0E6	2761.9E6	53.153	51.610
17) tc beta-Endosul	5.958	6.582	281.2E6	2726.8E6	51.313	52.098
18) tc 4,4'-DDD	5.795	6.423	250.9E6	2496.0E6	51.410	53.381
19) tcm 4,4'-DDT	6.069	6.747	286.3E6	2871.9E6	54.626	56.236
20) tc Endrin Aldeh	6.183	6.695	243.2E6	2216.7E6	51.577	53.303
21) tc Endosulfan S	6.387	6.995	267.2E6	2891.1E6	50.612	54.100
22) tc Methoxychlor	6.766	7.209	146.0E6	1285.4E6	46.888	46.900
24) tc Endrin Keton	7.032	7.466	326.1E6	2886.6E6	50.900	52.004
25) tc Mirex	7.181	8.042	238.2E6	1875.0E6	46.654	47.140
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

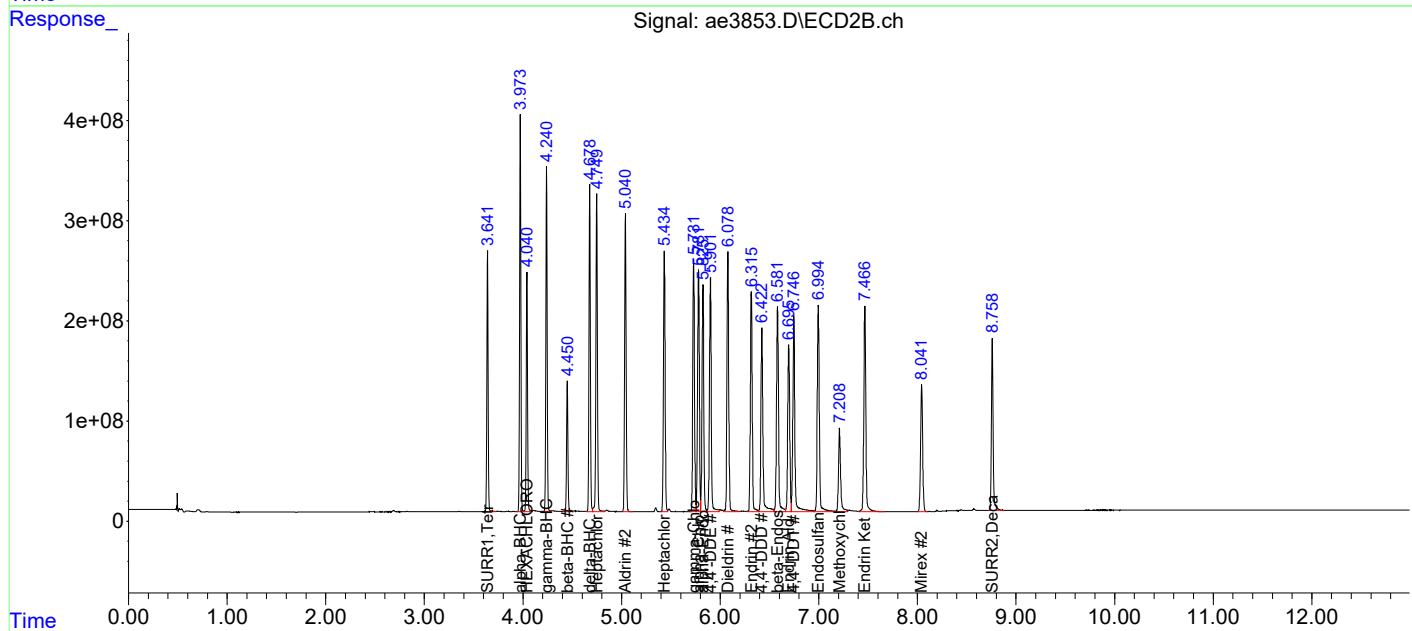
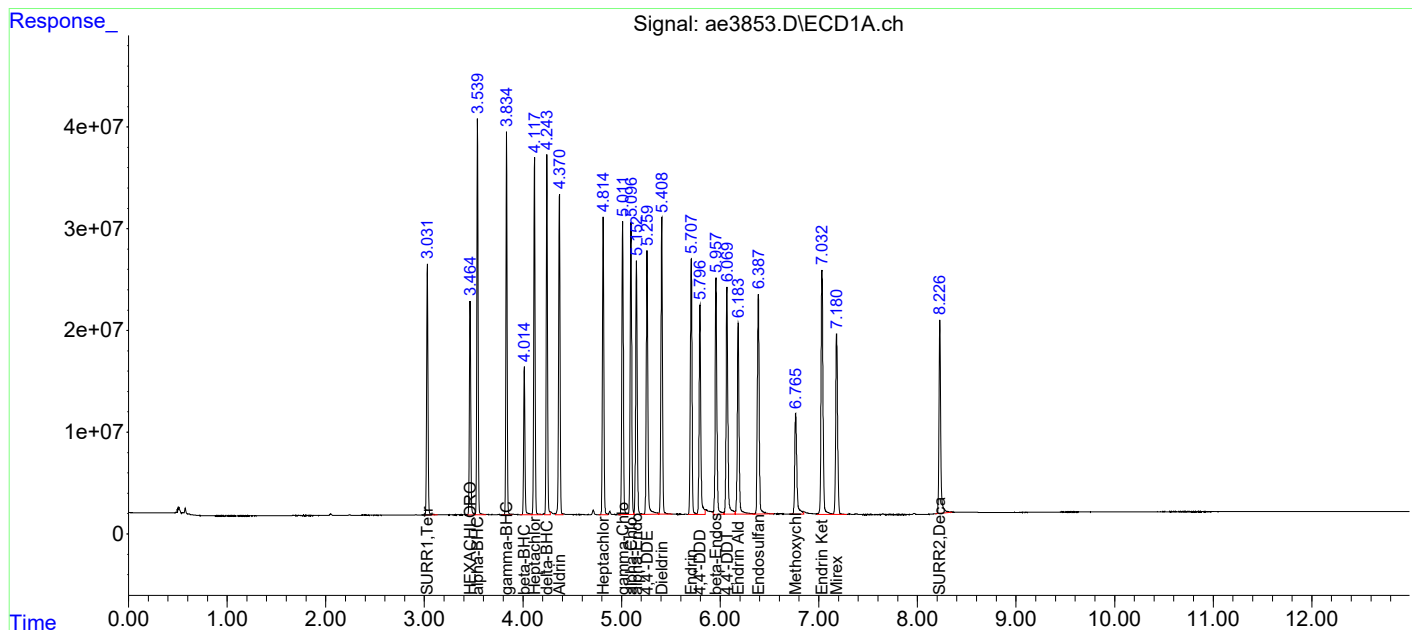
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:00 pm
Operator : a.moses
Sample : 8081 std 5
Misc : initial cal.
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:10:47 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:53:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:18 pm
 Operator : a.moses
 Sample : 8081 std 6
 Misc : initial cal.
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:12:49 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

System Monitoring Compounds						
1) S SURR1,Tet...	3.031	3.641	398.9E6	3991.4E6	81.691	85.346
Spiked Amount	100.000	Range	30 - 150	Recovery	= 81.69%	85.35%
26) S SURR2,Dec...	8.227	8.762	327.3E6	3081.4E6	63.194	69.653
Spiked Amount	100.000	Range	30 - 150	Recovery	= 63.19%	69.65%
Target Compounds						
2) TC HEXACHLOR...	3.465	4.041	341.2E6	3798.3E6	78.075	83.550
3) tc alpha-BHC	3.540	3.974	593.0E6	6258.3E6	88.692	92.044
4) tcm gamma-BHC (L	3.835	4.240	536.5E6	5585.0E6	85.759	90.275
5) tcm Heptachlor	4.117	4.749	528.4E6	5673.7E6	81.777	84.472
6) tcm Aldrin	4.371	5.040	518.8E6	5291.1E6	83.420	85.922
7) tc beta-BHC	4.015	4.450	224.8E6	2095.5E6	78.438	82.094
8) tc delta-BHC	4.244	4.678	540.9E6	5484.6E6	89.062	90.915
9) tc Heptachlor E	4.815	5.434	468.7E6	4757.4E6	79.410	82.797
10) tc alpha-Endosu	5.152	5.826	442.5E6	4433.3E6	79.511	81.068
11) tc gamma-Chlord	5.011	5.732	484.0E6	4855.9E6	80.312	83.348
12) tc alpha-Chlord	5.096	5.781	470.5E6	4641.4E6	78.895	81.417
13) tc 4,4'-DDE	5.259	5.901	468.4E6	4593.8E6	81.823	82.964
14) tcm Dieldrin	5.408	6.079	504.9E6	5061.0E6	82.027	83.443
15) tcm Endrin	5.707	6.316	451.3E6	4402.3E6	81.589	81.390
17) tc beta-Endosul	5.959	6.582	436.5E6	4312.7E6	78.956	81.261
18) tc 4,4'-DDD	5.795	6.424	380.6E6	3724.2E6	77.267	77.893
19) tcm 4,4'-DDT	6.070	6.747	429.3E6	4295.1E6	79.452	80.748
20) tc Endrin Aldeh	6.183	6.696	378.2E6	3489.1E6	79.351	82.092
21) tc Endosulfan S	6.386	6.995	413.9E6	4516.5E6	78.074	82.266
22) tc Methoxychlor	6.765	7.210	211.4E6	1864.1E6	69.331	69.453
24) tc Endrin Keton	7.032	7.466	493.5E6	4457.4E6	76.571	79.246
25) tc Mirex	7.181	8.042	348.0E6	2783.8E6	69.702	71.348
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

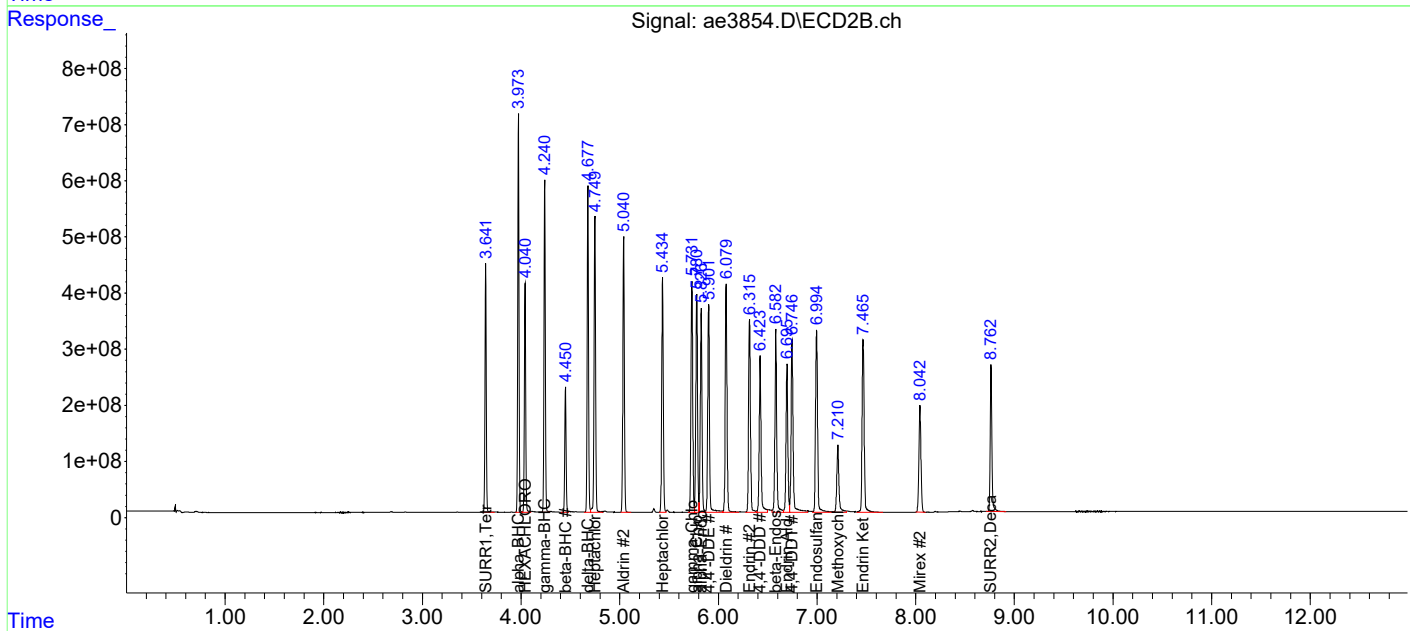
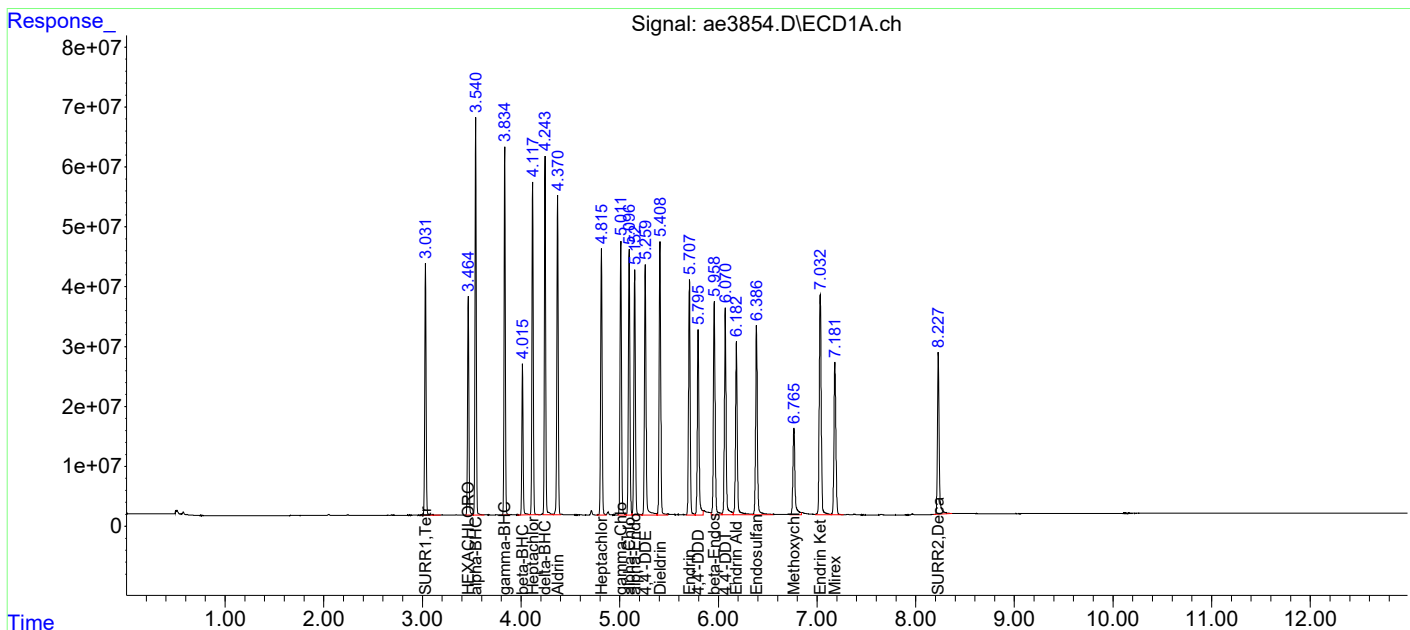
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:18 pm
Operator : a.moses
Sample : 8081 std 6
Misc : initial cal.
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:12:49 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3855.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:35 pm
 Operator : a.moses
 Sample : 8081 std 7
 Misc : initial cal.
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:13:17 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:12:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.031	3.642	819.0E6	8561.9E6	175.766	190.034
Spiked Amount	100.000	Range	30 - 150	Recovery	= 175.77%#	190.03%#
26) S SURR2,Dec...	8.228	8.763	742.3E6	7737.4E6	157.854	189.261
Spiked Amount	100.000	Range	30 - 150	Recovery	= 157.85%#	189.26%#

Target Compounds

2) TC HEXACHLOR...	3.465	4.042	717.5E6	8402.1E6	173.690	192.747
3) tc alpha-BHC	3.540	3.975	1267.5E6	14054.3E6	195.094	210.898
4) tcm gamma-BHC (L	3.835	4.241	1165.9E6	12629.3E6	193.258	209.222
5) tcm Heptachlor	4.118	4.750	1166.0E6	12956.2E6	189.073	200.686
6) tcm Aldrin	4.371	5.041	1179.2E6	12510.5E6	197.803	210.569
7) tc beta-BHC	4.015	4.451	485.4E6	4702.6E6	179.026	192.859
8) tc delta-BHC	4.244	4.679	1200.9E6	12599.4E6	203.295	213.708
9) tc Heptachlor E	4.815	5.435	1077.6E6	11465.3E6	192.482	208.508
10) tc alpha-Endosu	5.152	5.827	1046.1E6	10935.0E6	198.098	209.894
11) tc gamma-Chlord	5.012	5.732	1153.9E6	12222.6E6	201.386	218.903
12) tc alpha-Chlord	5.097	5.781	1125.3E6	11622.1E6	199.199	213.801
13) tc 4,4'-DDE	5.259	5.901	1159.6E6	11830.4E6	212.216	223.163
14) tcm Dieldrin	5.409	6.079	1212.6E6	12614.2E6	206.254	216.954
15) tcm Endrin	5.707	6.316	1092.9E6	11233.8E6	207.118	217.826
17) tc beta-Endosul	5.959	6.583	1052.5E6	11051.4E6	200.955	218.467
18) tc 4,4'-DDD	5.796	6.424	981.9E6	10346.2E6	211.326	229.055
19) tcm 4,4'-DDT	6.069	6.747	1106.6E6	11530.4E6	215.899	227.732
20) tc Endrin Aldeh	6.183	6.695	925.7E6	9351.0E6	204.821	230.323
21) tc Endosulfan S	6.386	6.995	1018.1E6	12033.0E6	203.172	229.347
22) tc Methoxychlor	6.766	7.210	523.6E6	4821.8E6	185.994	194.501
24) tc Endrin Keton	7.032	7.467	1172.5E6	11467.9E6	193.238	215.037
25) tc Mirex	7.181	8.042	868.5E6	7452.0E6	188.216	205.730
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

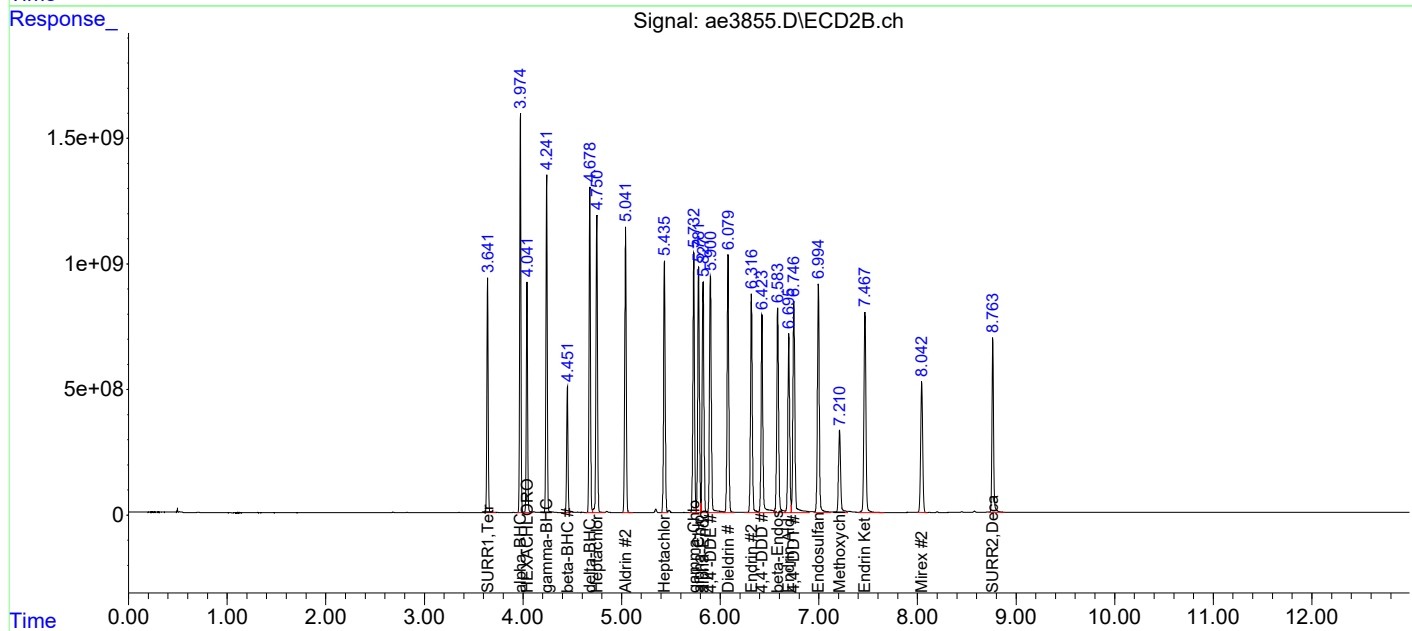
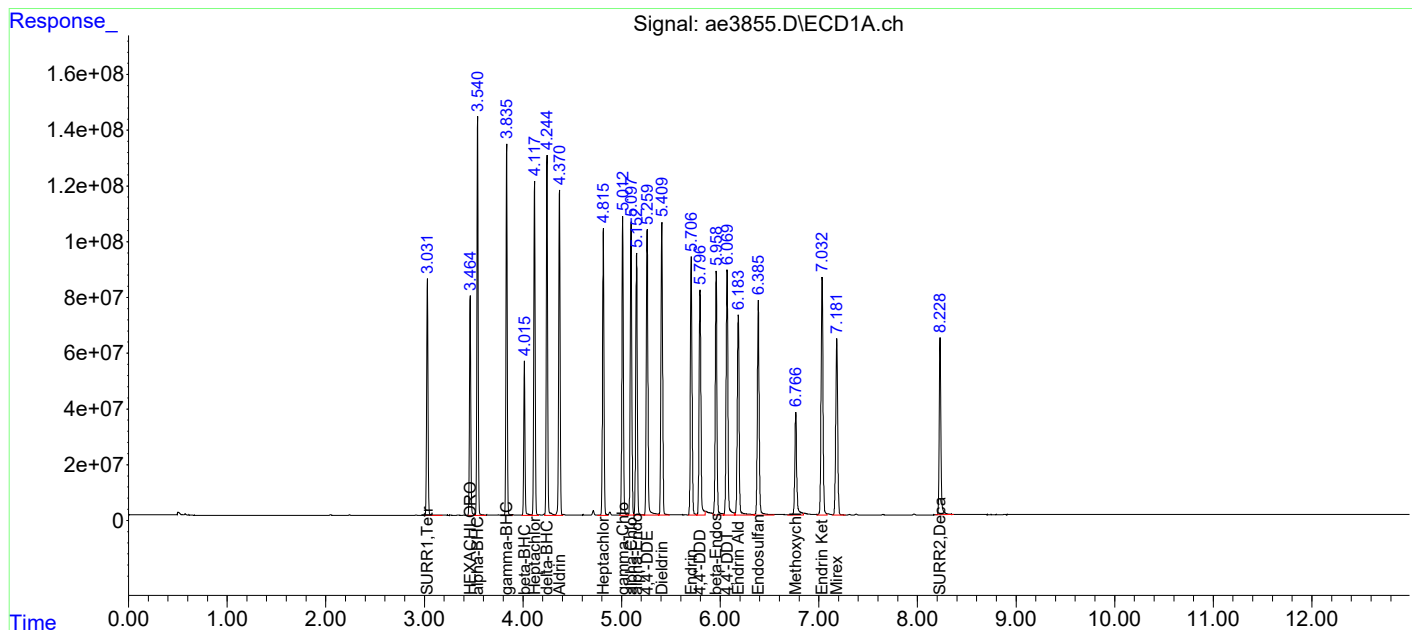
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

1st AM 04/30/19
2nd BA 05/01/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:35 pm
Operator : a.moses
Sample : 8081 std 7
Misc : initial cal.
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:13:17 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:12:18 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 tc alpha-BHC	10.000	9.083	9.2	81	0.00
4 tcm gamma-BHC (L	10.000	9.079	9.2	81	0.00
5 tcm Heptachlor	10.000	9.084	9.2	79	0.00
6 tcm Aldrin	10.000	8.866	11.3	78	0.00
7 tc beta-BHC	10.000	9.504	5.0	84	0.00
8 TC delta-BHC	10.000	9.204	8.0	82	0.00
9 tc Heptachlor E	10.000	9.038	9.6	78	0.00
10 tc alpha-Endosu	10.000	8.780	12.2	77	0.00
11 tc gamma-Chlord	10.000	8.784	12.2	77	0.00
12 tc alpha-Chlord	10.000	8.878	11.2	77	0.00
13 tc 4,4'-DDE	10.000	8.639	13.6	76	0.00
14 tcm Dieldrin	10.000	8.883	11.2	78	0.00
15 tcm Endrin	10.000	9.061	9.4	79	0.00
17 tc beta-Endosul	10.000	9.144	8.6	80	0.00
18 tc 4,4'-DDD	10.000	8.731	12.7	73	0.00
19 tcm 4,4'-DDT	10.000	8.899	11.0	78	0.00
20 tc Endrin Aldeh	10.000	9.173	8.3	83	0.00
21 tc Endosulfan S	10.000	8.428	15.7#	75	0.00
22 tc Methoxychlor	10.000	9.275	7.2	77	0.00
24 tc Endrin Keton	10.000	9.152	8.5	78	0.00
25 tc Mirex	10.000	8.124	18.8#	70	0.00

Signal #2

3 tc alpha-BHC	10.000	8.856	11.4	82	0.00
4 tcm gamma-BHC (L	10.000	8.804	12.0	80	0.00
5 tcm Heptachlor	10.000	8.875	11.3	79	0.00
6 tcm Aldrin	10.000	8.594	14.1	77	0.00
7 tc beta-BHC	10.000	9.178	8.2	83	0.00
8 tc delta-BHC	10.000	8.783	12.2	81	0.00
9 tc Heptachlor E	10.000	8.848	11.5	79	0.00
10 tc alpha-Endosu	10.000	8.633	13.7	77	0.00
11 tc gamma-Chlord	10.000	8.561	14.4	77	0.00
12 tc alpha-Chlord	10.000	8.692	13.1	77	0.00
13 tc 4,4'-DDE	10.000	8.726	12.7	77	0.00
14 tcm Dieldrin	10.000	8.849	11.5	80	0.00
15 tcm Endrin	10.000	8.822	11.8	82	0.00
17 tc beta-Endosul	10.000	8.847	11.5	81	0.00

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18 tc 4,4'-DDD	10.000	8.541	14.6	80	0.00
19 tcm 4,4'-DDT	10.000	9.074	9.3	84	0.00
20 tc Endrin Aldehy	10.000	8.785	12.1	81	0.00
21 tc Endosulfan S	10.000	8.172	18.3#	77	0.00
22 tc Methoxychlor	10.000	8.957	10.4	80	0.00
24 tc Endrin Keton	10.000	8.779	12.2	80	0.00
25 tc Mirex	10.000	8.023	19.8#	70	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLOROBENZENE	10.000	0.000	100.0#	0	-3.46#
16 tc KEPONE	1500.000	0.000	100.0#	0	-5.82#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.26#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	250.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	250.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	250.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	250.000	0.000	100.0#	0	-6.30#
31 L8C Toxaphene{5}	250.000	0.000	100.0#	0	-6.82#
32 L9C Chlordane	100.000	0.000	100.0#	0	-3.97#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.12#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-4.48#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.10#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.99#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-10.57#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-10.96#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLOROBENZENE	10.000	0.000	100.0#	0	-4.04#
16 tc KEPONE	1500.000	0.000	100.0#	0	-6.62#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.51#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	250.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	250.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	250.000	0.000	100.0#	0	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	250.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	250.000	0.000	100.0#	0	-7.35#
32 L9C Chlordane	100.000	0.000	100.0#	0	-4.57#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.75#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-5.04#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.46#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.82#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-12.01#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 34

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 04:53 pm
 Operator : a.moses
 Sample : 8081 icv
 Misc : initial cal.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:27:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:26:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

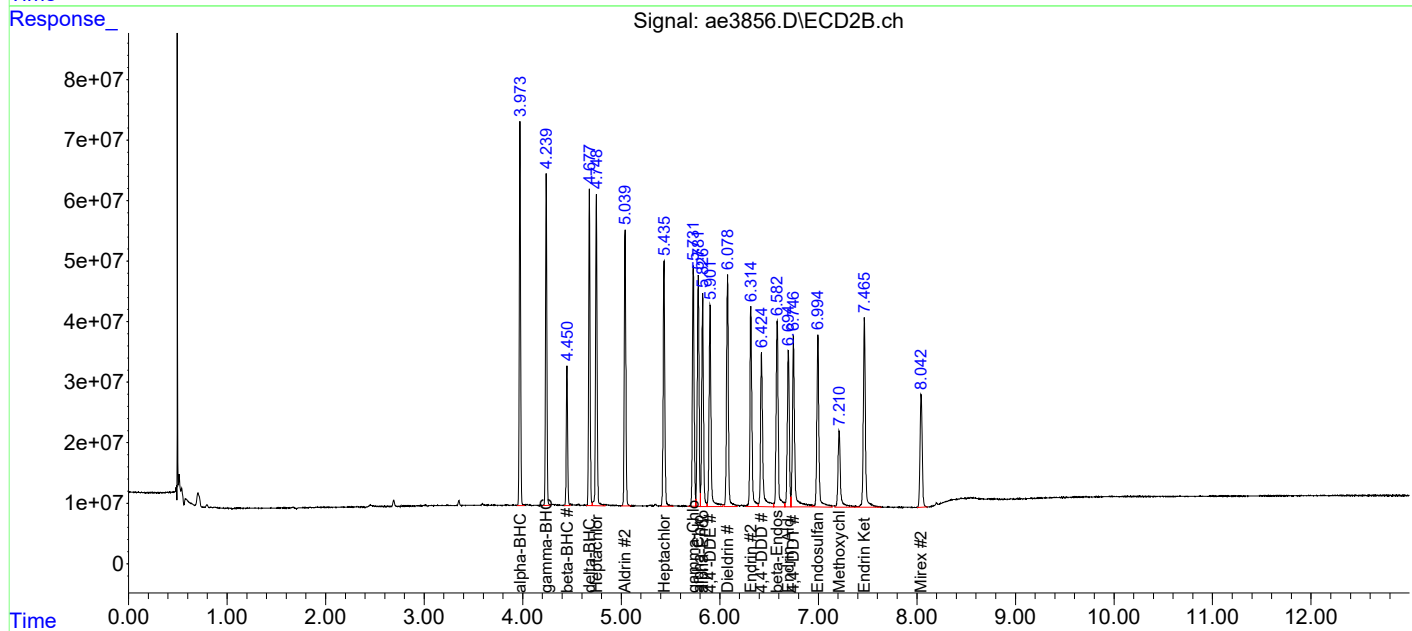
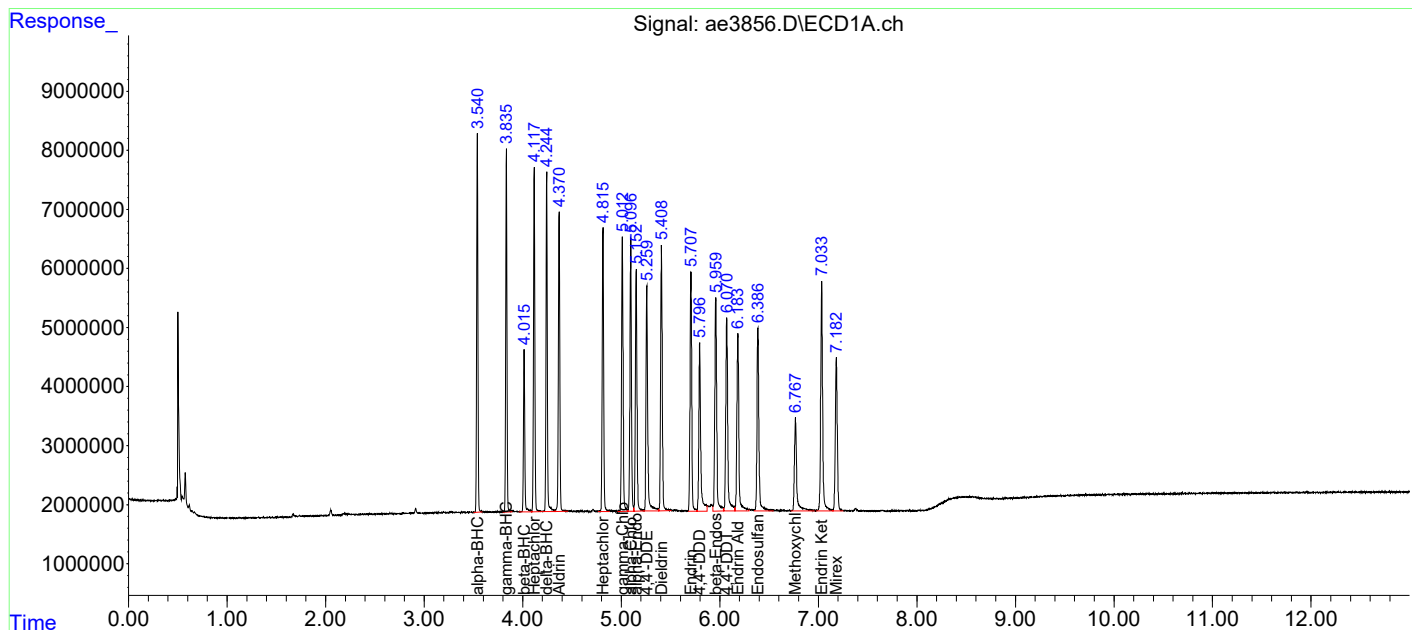
3) tc alpha-BHC	3.540	3.973	56884571	577.4E6	9.083	8.856
4) tcm gamma-BHC (L	3.835	4.240	53383340	521.8E6	9.079	8.804
5) tcm Heptachlor	4.118	4.749	54602166	560.5E6	9.084	8.875
6) tcm Aldrin	4.370	5.040	51567431	499.4E6	8.866	8.594
7) tc beta-BHC	4.015	4.450	25694380	223.9E6	9.504	9.178
8) tc delta-BHC	4.244	4.678	52863631	509.6E6	9.204	8.783
9) tc Heptachlor E	4.815	5.435	49382176	481.3E6	9.038	8.848
10) tc alpha-Endosu	5.153	5.826	45394625	445.4E6	8.780	8.633
11) tc gamma-Chlord	5.012	5.731	49459864	474.0E6	8.784	8.561
12) tc alpha-Chlord	5.097	5.782	49284295	467.9E6	8.878	8.692
13) tc 4,4'-DDE	5.260	5.901	45940663	453.1E6	8.639	8.726
14) tcm Dieldrin	5.409	6.078	50867077	503.2E6	8.883	8.849
15) tcm Endrin	5.707	6.315	46533639	461.6E6	9.061	8.822
17) tc beta-Endosul	5.959	6.582	46974628	445.1E6	9.144	8.847
18) tc 4,4'-DDD	5.796	6.424	39120699	391.1E6	8.731	8.541
19) tcm 4,4'-DDT	6.070	6.747	44303555	452.8E6	8.899	9.074
20) tc Endrin Aldeh	6.183	6.695	41248619	356.6E6	9.173	8.785
21) tc Endosulfan S	6.387	6.995	42103919	427.1E6	8.428	8.172
22) tc Methoxychlor	6.767	7.210	25359034	220.3E6	9.275	8.957
24) tc Endrin Keton	7.033	7.466	53819683	467.6E6	9.152	8.779
25) tc Mirex	7.182	8.042	37624556	291.0E6	8.124	8.023
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 04:53 pm
Operator : a.moses
Sample : 8081 icv
Misc : initial cal.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:27:46 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:26:16 2019
Response via : Initial Calibration
Integrator: ChemStation

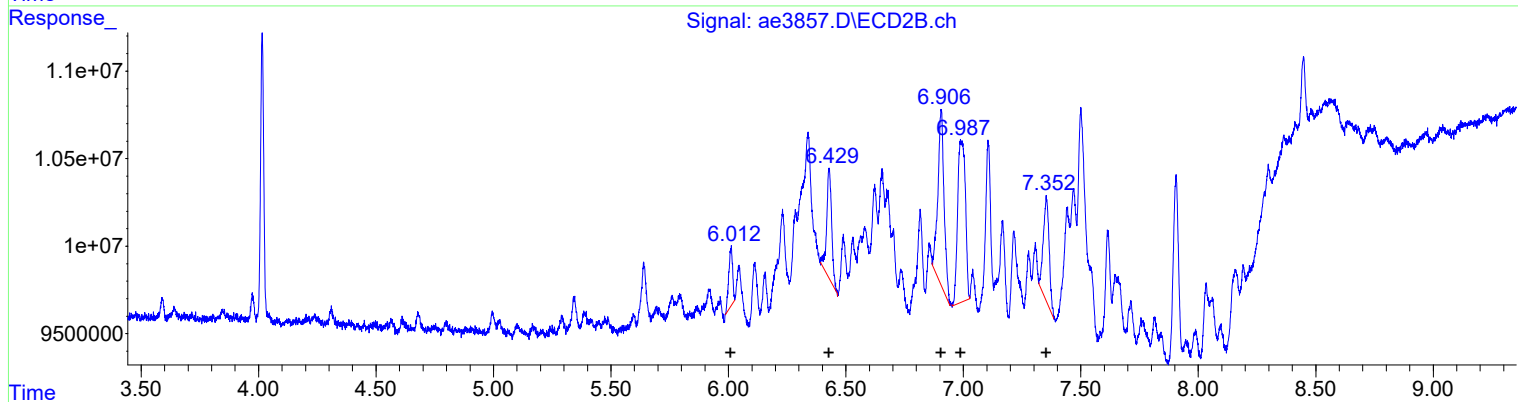
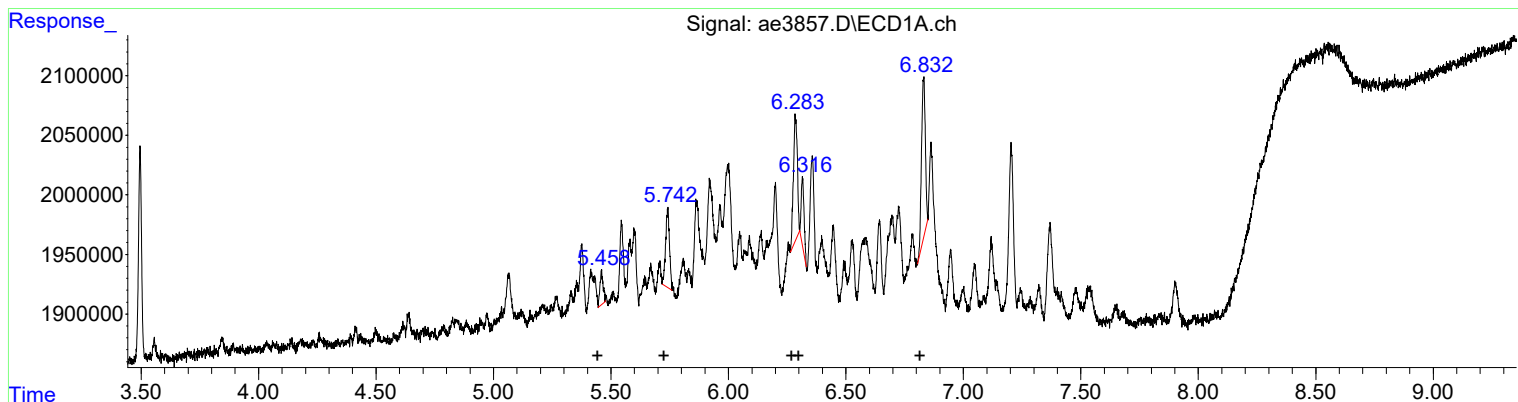
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:11 pm
Operator : a.moses
Sample : tox std 1
Misc : initial cal.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:51:43 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:51:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



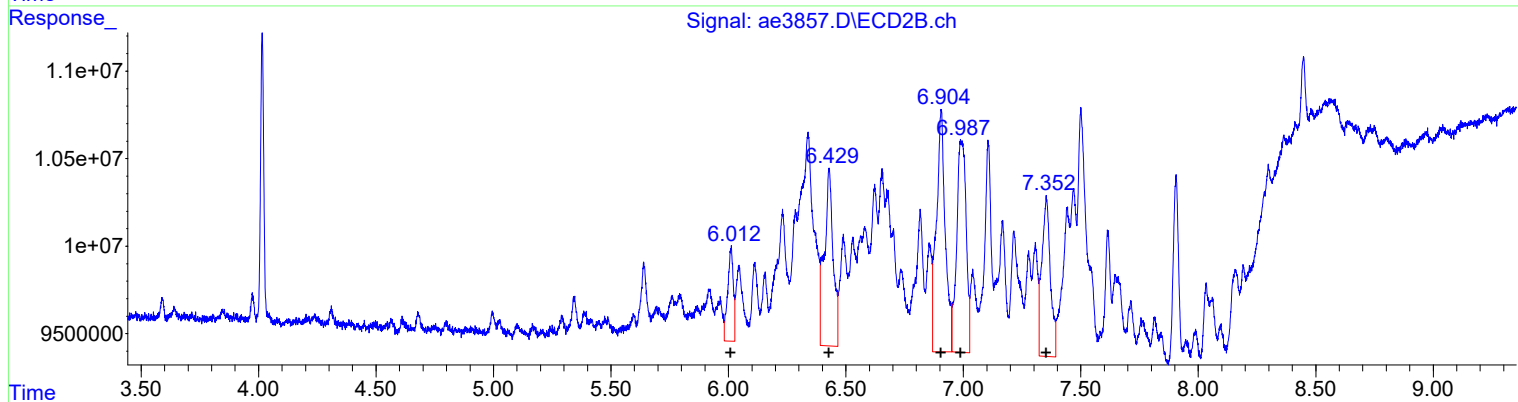
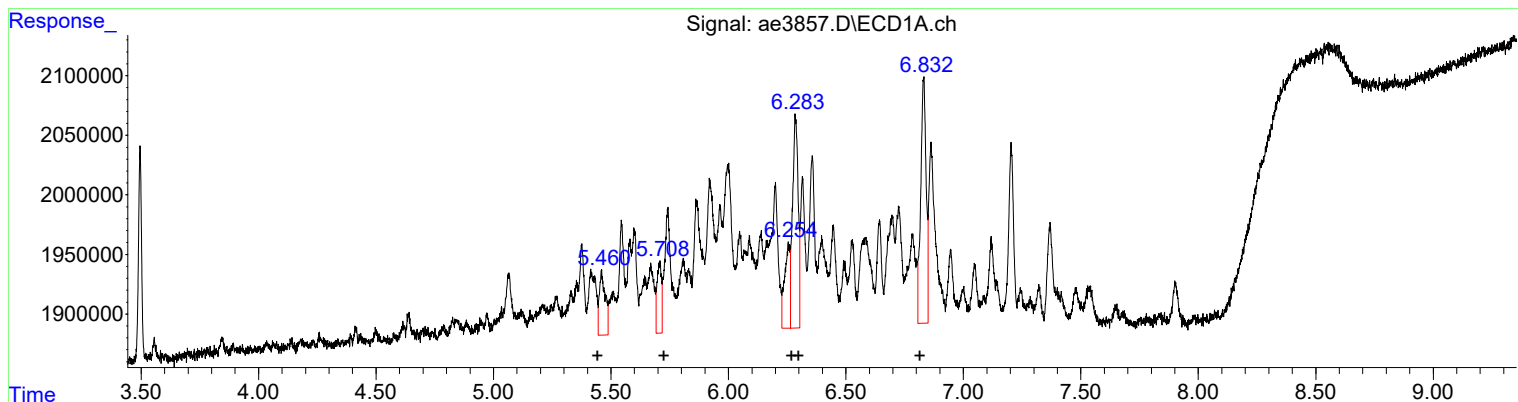
(27) Toxaphene (L8C)			Manual Integration:	
R.T.	Response	Conc	After	Poor integration.
5.46	267988	19.67		
5.74	769095	19.38		
6.28	1223424	20.14		
6.32	491333	20.60		
6.83	1519689	20.10		
(27) Toxaphene #2 (L8C)			04/29/19	
R.T.	Response	Conc		
6.01	3871018	20.53		
6.43	9207185	19.27		
6.91	18295930	19.96		
6.99	21134333	19.87		
7.35	10241884	19.86		

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:11 pm
Operator : a.moses
Sample : tox std 1
Misc : initial cal.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:51:43 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:51:14 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.46	949964	69.74	
5.71	769325	19.38	
6.26	1137069	18.72	
6.28	2971547	124.58	
6.83	3396378	44.91	
(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	8997018	47.72	
6.43	26424554	55.31	
6.91	36588115	39.91	
6.99	34012356	31.98	
7.35	23018794	44.64	

Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:11 pm
 Operator : a.moses
 Sample : tox std 1
 Misc : initial cal.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:51:43 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:51:14 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

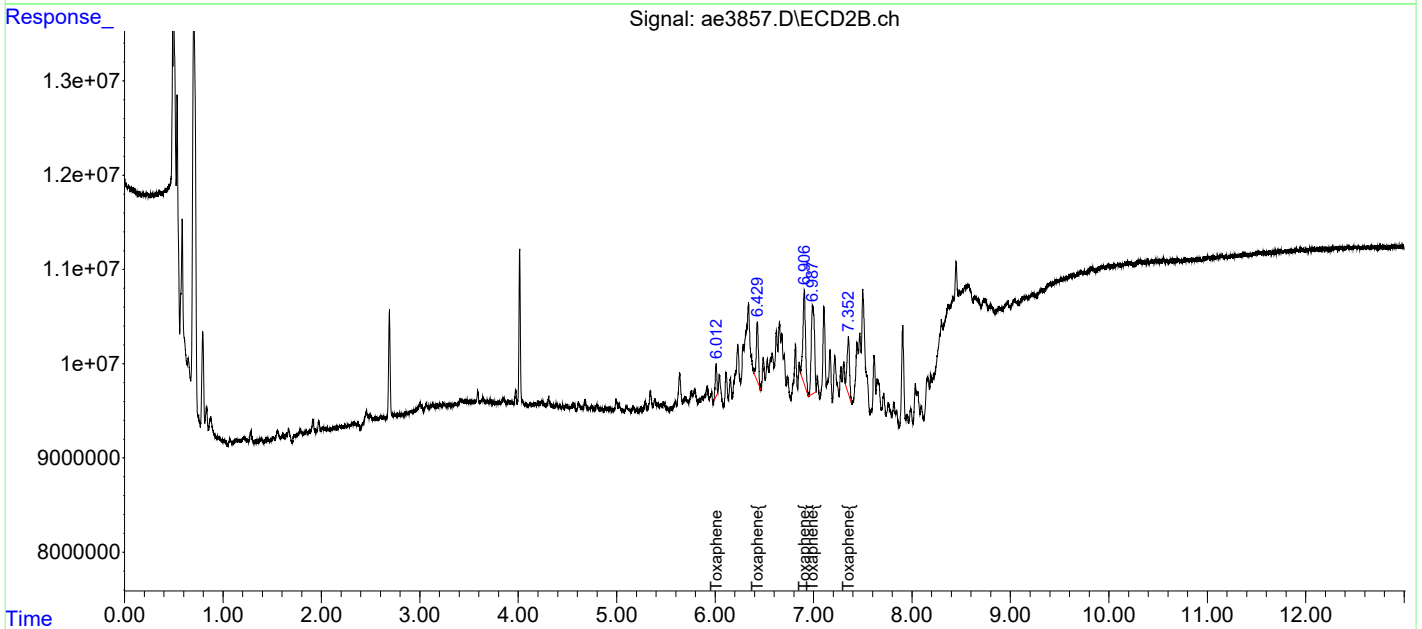
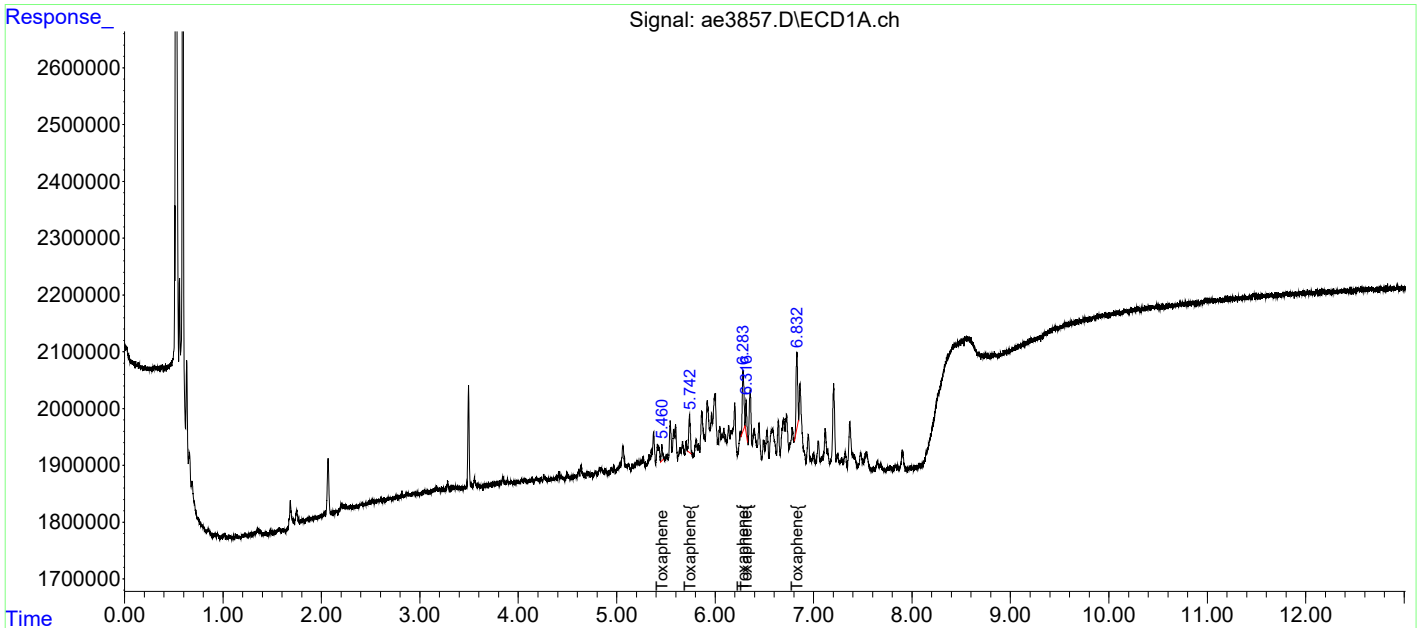
27) L8C Toxaphene	5.458	6.012	267988	3871018	19.673m	20.531m
28) L8C Toxaphene{2}	5.742	6.429	769095	9207185	19.376m	19.270m
29) L8C Toxaphene{3}	6.283	6.906	1223424	18295930	20.142m	19.956m
30) L8C Toxaphene{4}	6.316	6.987	491333	21134333	20.599m	19.870m
31) L8C Toxaphene{5}	6.832	7.352	1519689	10241884	20.097m	19.860m
Sum Toxaphene			4271528	62750350	99.886	99.488
Average Toxaphene					19.977	19.898
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:11 pm
 Operator : a.moses
 Sample : tox std 1
 Misc : initial cal.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:51:43 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:51:14 2019
 Response via : Initial Calibration
 Integrator: ChemStation

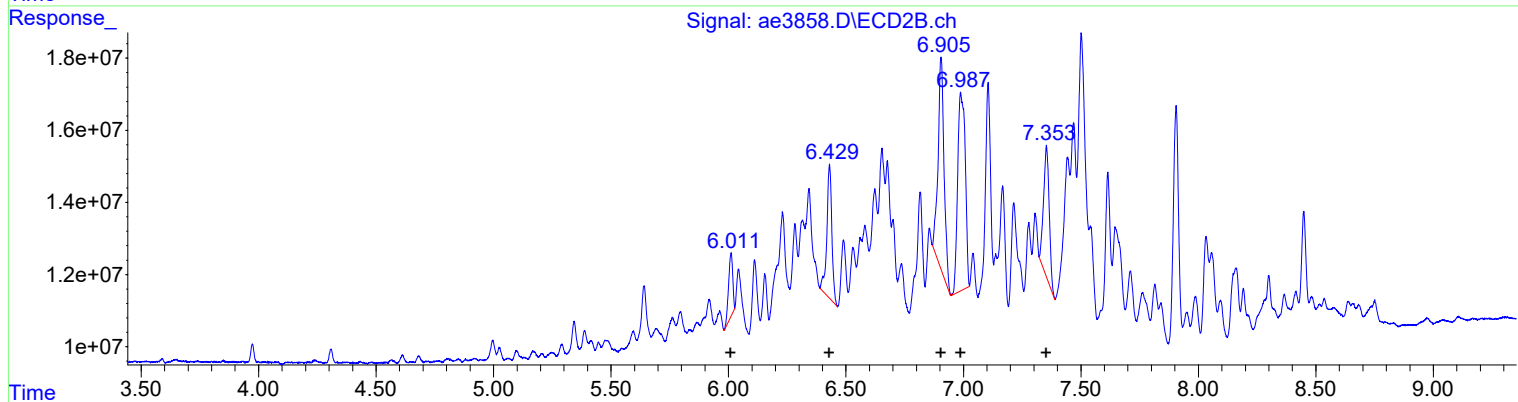
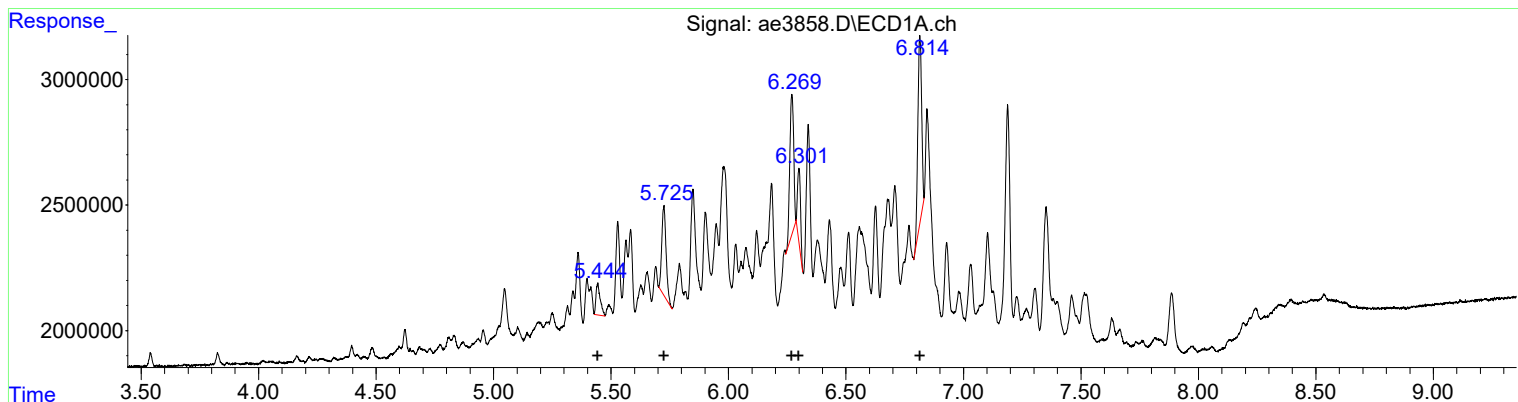
Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:28 pm
 Operator : a.moses
 Sample : tox std 2
 Misc : initial cal.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:30 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)

R.T.	Response	Conc
5.44	1567953	109.41
5.73	4555008	109.13
6.27	6432816	103.98
6.30	2628783	103.95
6.81	8394093	106.55

(27) Toxaphene #2 (L8C)

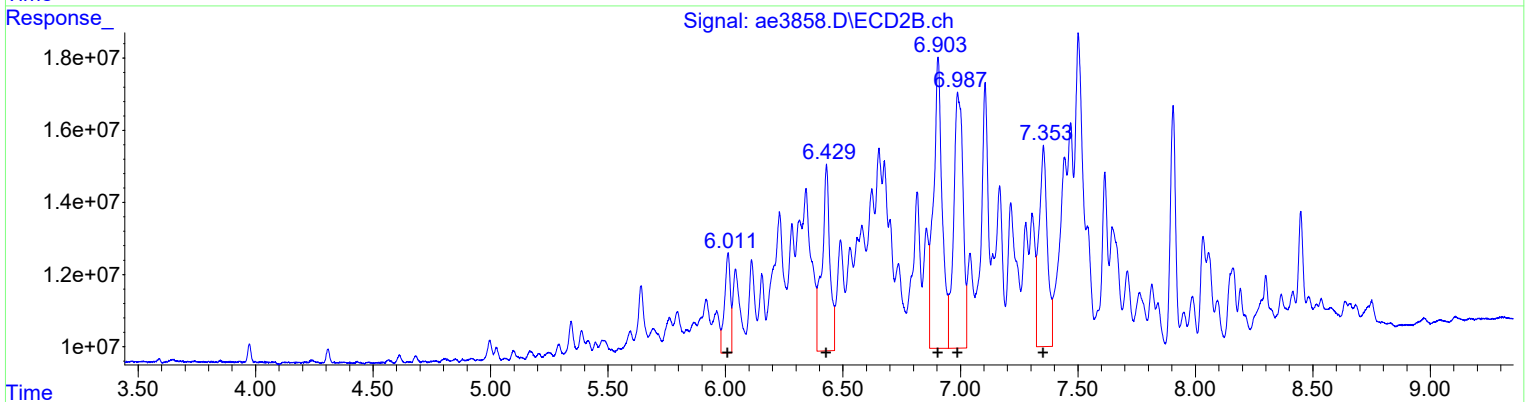
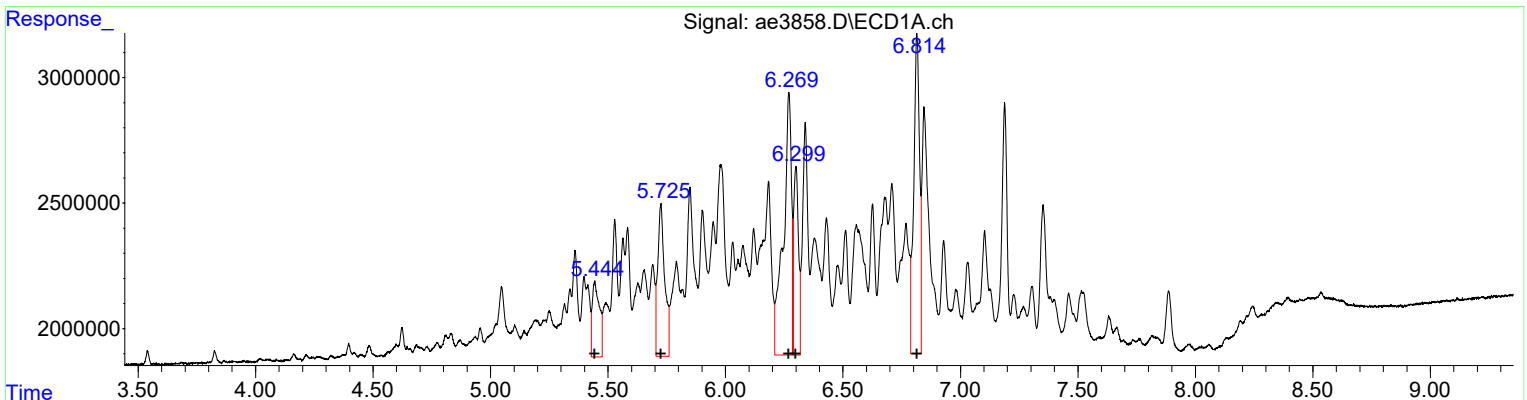
R.T.	Response	Conc
6.01	21667979	108.59
6.43	54656249	108.82
6.91	104136093	108.88
6.99	122742440	111.03
7.35	60294090	111.88

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:28 pm
 Operator : a.moses
 Sample : tox std 2
 Misc : initial cal.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:30 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)

R.T.	Response	Conc
5.44	6418718	447.89
5.72	12665091	303.42
6.27	25391395	410.41
6.30	10807265	427.35
6.81	21640282	274.70

Manual Integration:
 Before
 04/29/19

(27) Toxaphene #2 (L8C)

R.T.	Response	Conc
6.01	47294916	237.02
6.43	121742323	242.40
6.90	206610632	216.03
6.99	196547690	177.80
7.35	136594529	253.46

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:28 pm
 Operator : a.moses
 Sample : tox std 2
 Misc : initial cal.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:30 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

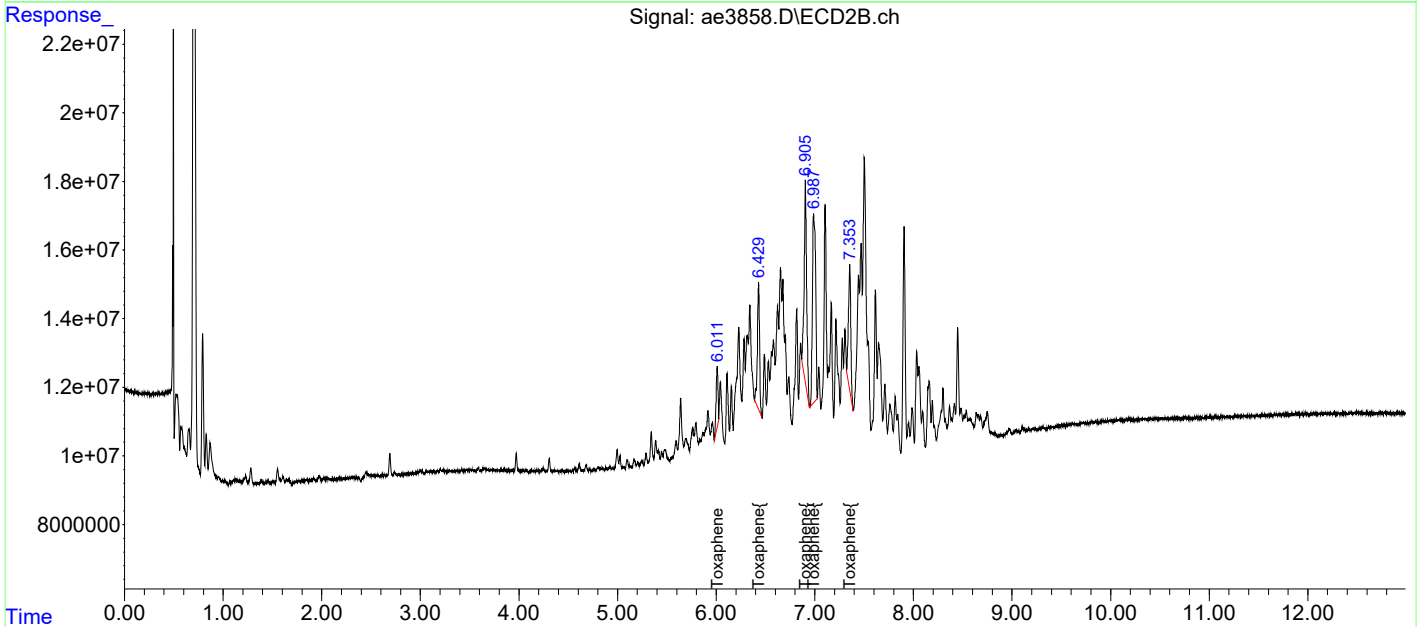
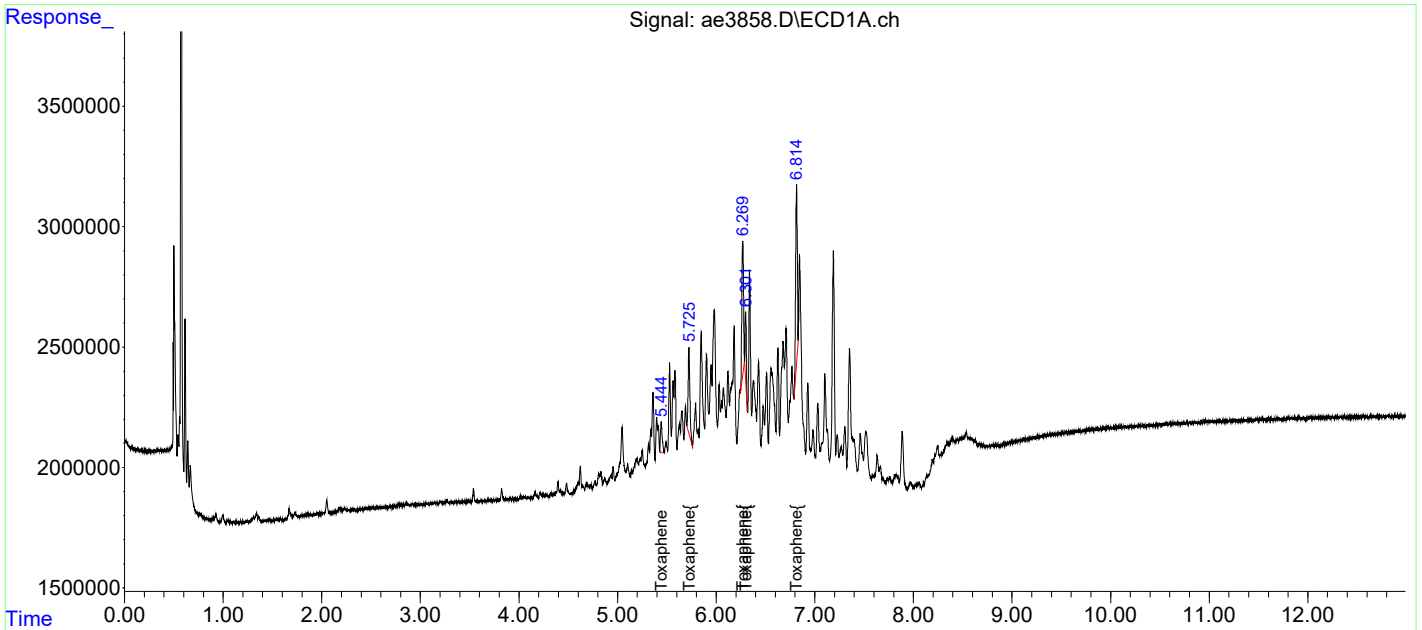
27) L8C Toxaphene	5.444	6.011	1567953	21667979	109.410m	108.589m
28) L8C Toxaphene{2}	5.725	6.429	4555008	54656249	109.126m	108.824m
29) L8C Toxaphene{3}	6.269	6.905	6432816	104.1E6	103.976m	108.881m
30) L8C Toxaphene{4}	6.301	6.987	2628783	122.7E6	103.950m	111.033m
31) L8C Toxaphene{5}	6.814	7.353	8394093	60294090	106.555m	111.879m
Sum Toxaphene			23578653	363.5E6	533.016	549.207
Average Toxaphene					106.603	109.841
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:28 pm
Operator : a.moses
Sample : tox std 2
Misc : initial cal.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:30 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

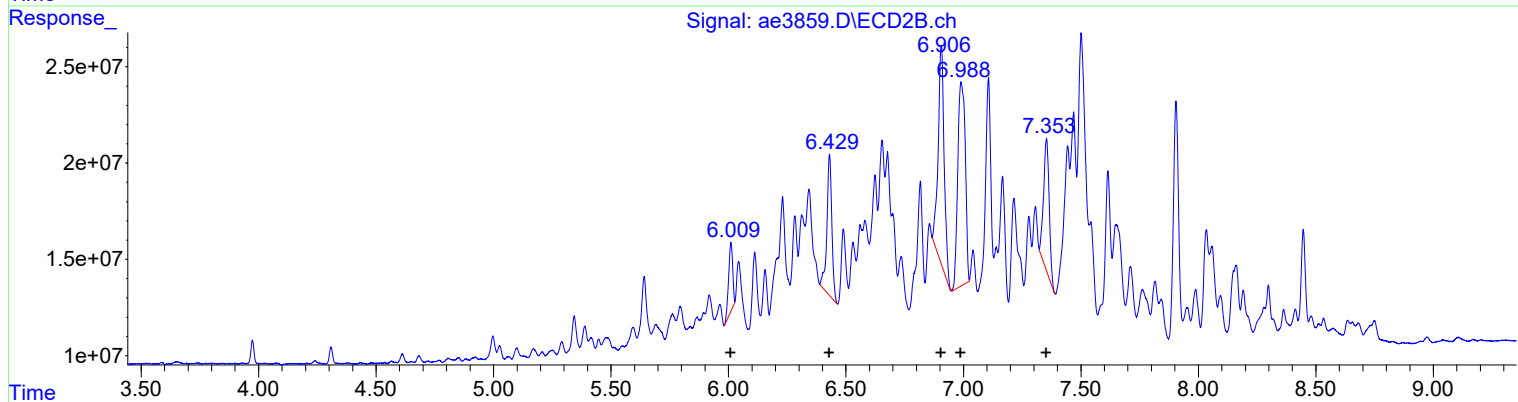
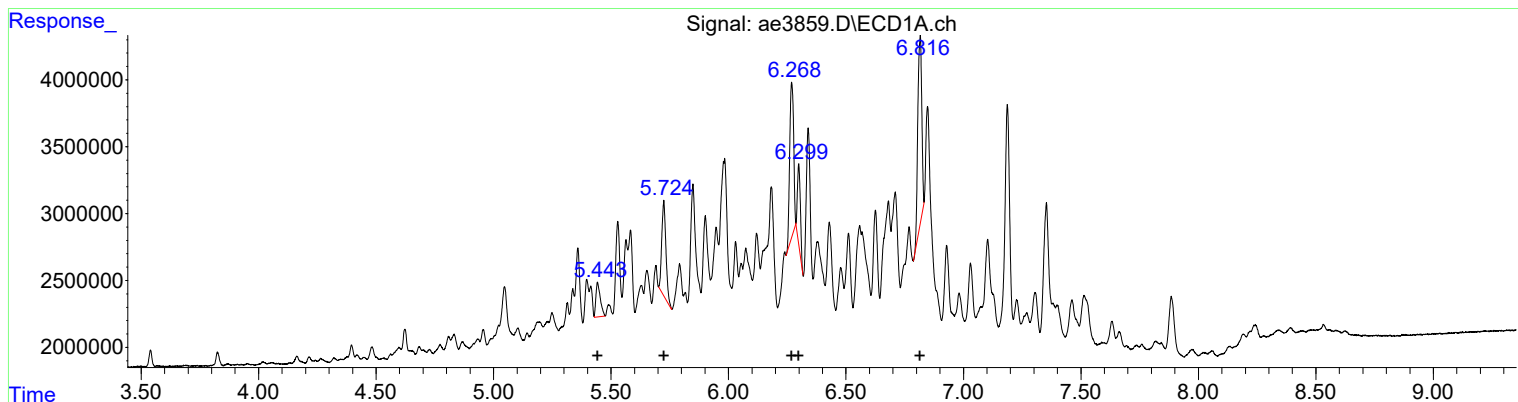
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:46 pm
Operator : a.moses
Sample : tox std 3
Misc : initial cal.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:34 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



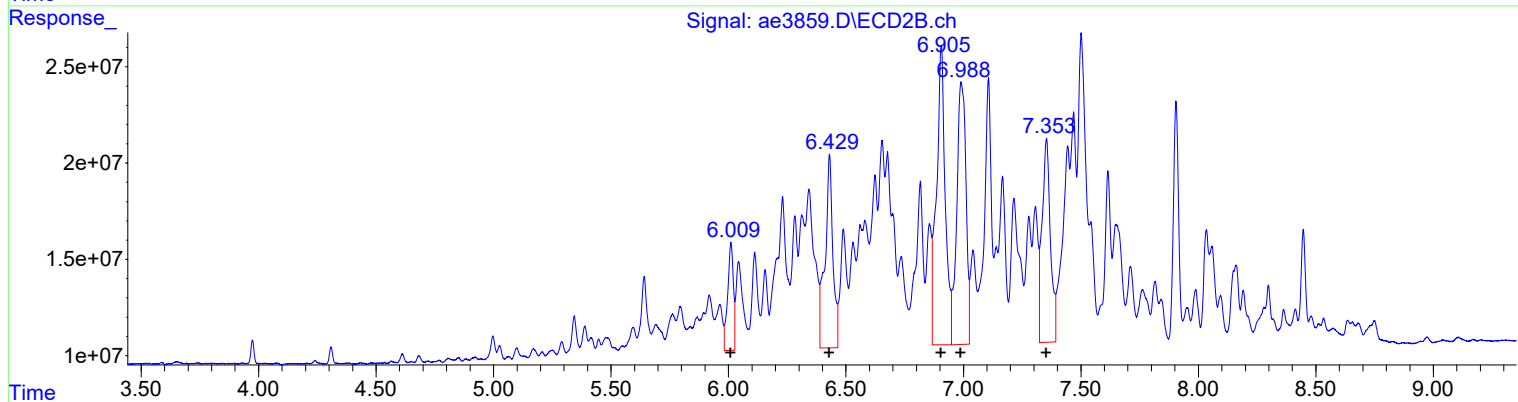
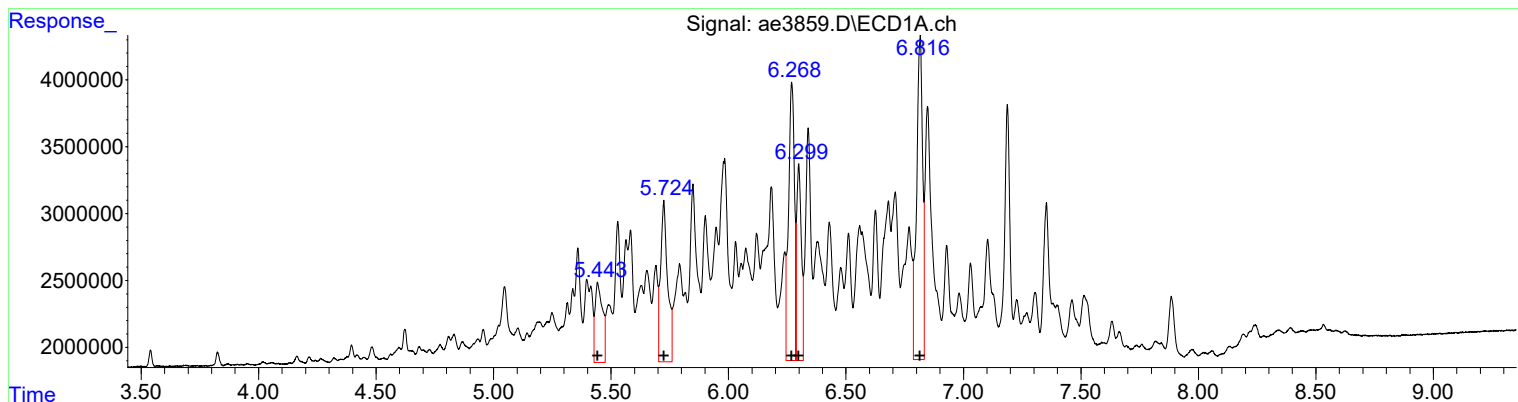
(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	3350334	233.78
5.72	8822331	211.36
6.27	13428609	217.05
6.30	5259386	207.97
6.82	16682001	211.76
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	43489588	217.95
6.43	107376144	213.79
6.91	201199622	210.37
6.99	234556214	212.18
7.35	113424762	210.47

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:46 pm
Operator : a.moses
Sample : tox std 3
Misc : initial cal.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:34 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	13170768	919.04
5.72	25043949	599.98
6.27	36440003	588.99
6.30	20643773	816.31
6.82	42764850	542.86

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	95209436	477.14
6.43	234978649	467.86
6.91	405122487	423.58
6.99	373093034	337.50
7.35	262567059	487.21

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 05:46 pm
 Operator : a.moses
 Sample : tox std 3
 Misc : initial cal.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:34 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

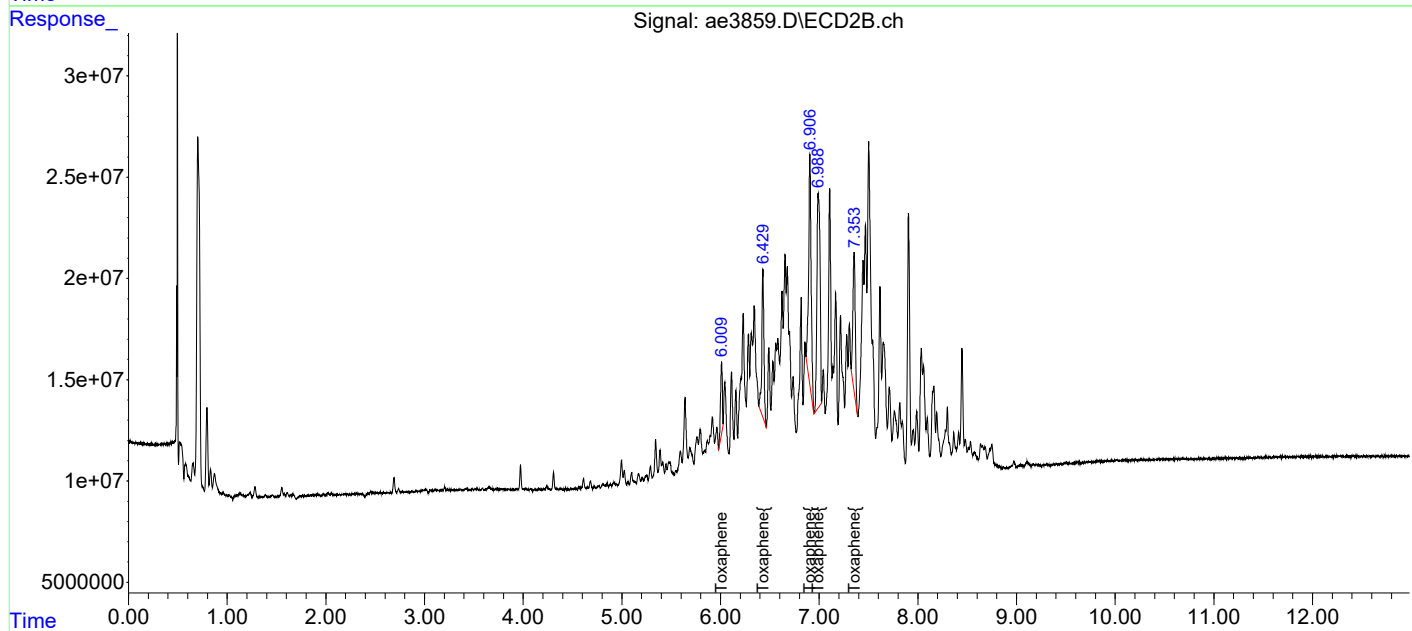
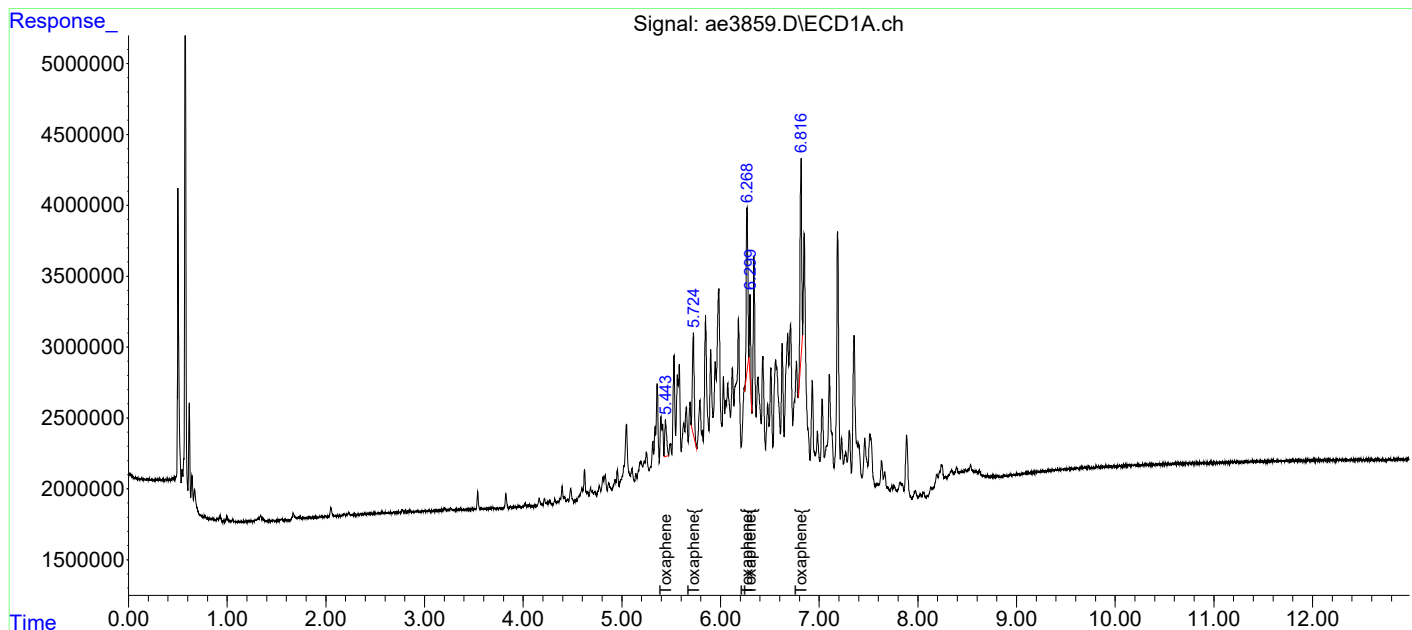
27) L8C Toxaphene	5.443	6.009	3350334	43489588	233.782m	217.947m
28) L8C Toxaphene{2}	5.724	6.429	8822331	107.4E6	211.359m	213.793m
29) L8C Toxaphene{3}	6.268	6.906	13428609	201.2E6	217.051m	210.368m
30) L8C Toxaphene{4}	6.299	6.988	5259386	234.6E6	207.971m	212.181m
31) L8C Toxaphene{5}	6.816	7.353	16682001	113.4E6	211.761m	210.466m
Sum Toxaphene			47542660	700.0E6	1081.925	1064.755
Average Toxaphene					216.385	212.951
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 05:46 pm
Operator : a.moses
Sample : tox std 3
Misc : initial cal.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:34 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

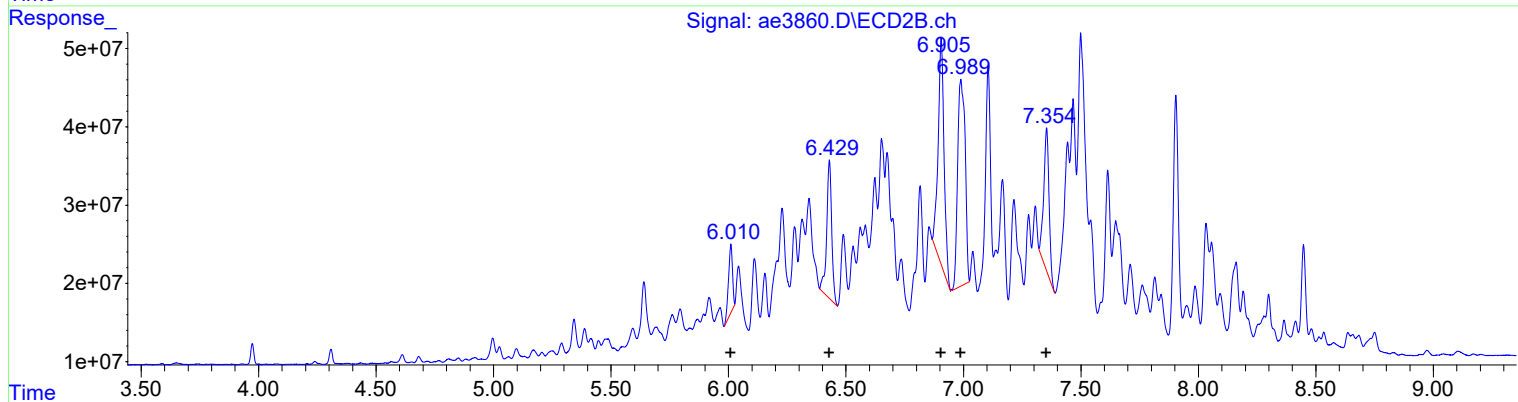
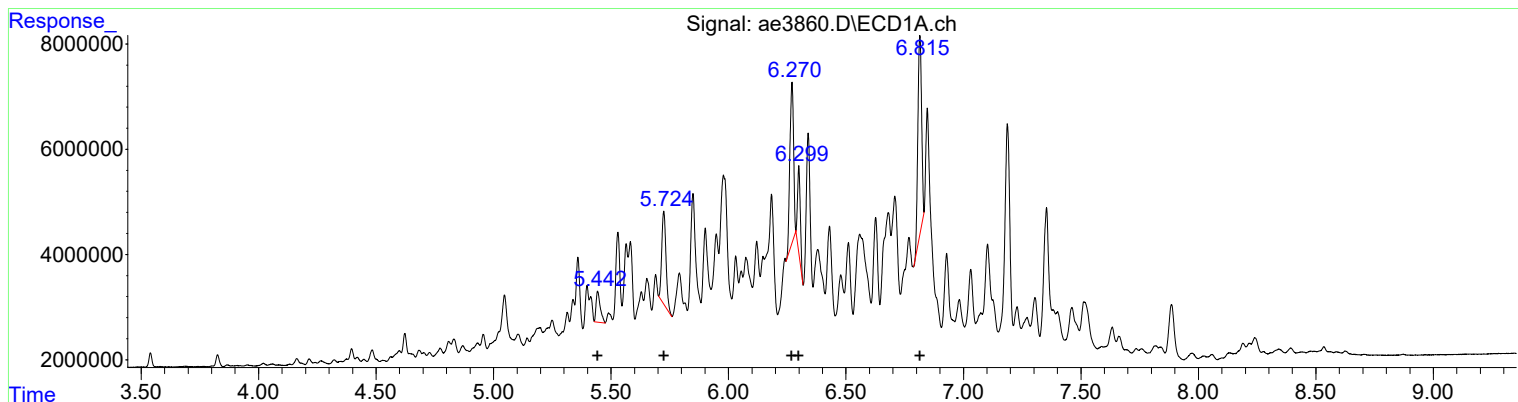
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.44	7221666	503.92	
5.72	22175945	531.27	
6.27	33594959	543.01	
6.30	13784771	545.09	
6.81	41835631	531.06	

(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	103682074	519.60	
6.43	261390311	520.45	
6.91	506210481	529.28	
6.99	583035718	527.42	
7.35	282401837	524.01	

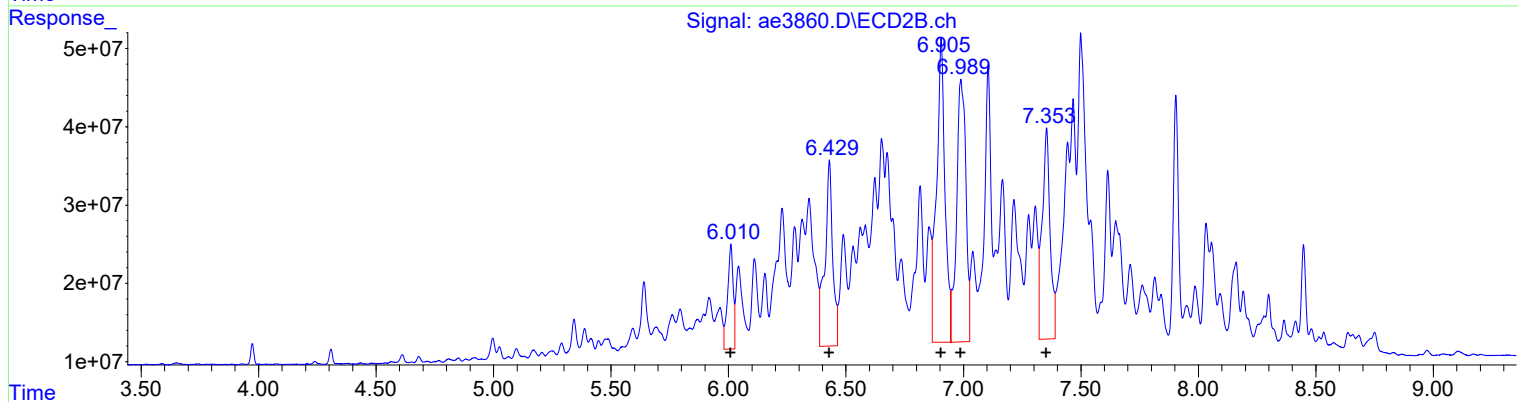
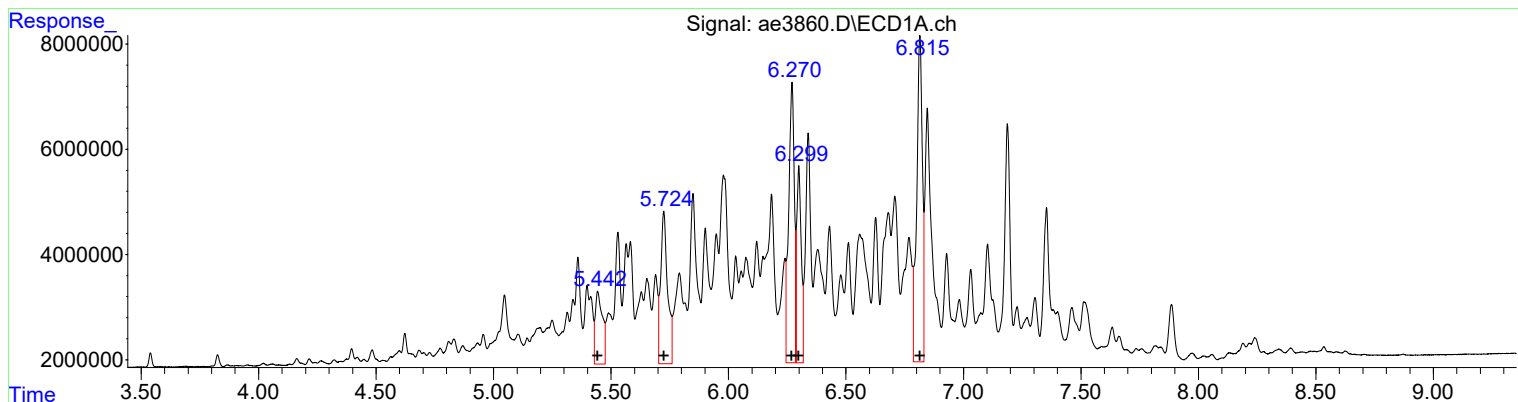
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)			
R.T.	Response	Conc	
5.44	29474356	2056.69	
5.72	59473550	1424.82	
6.27	89717879	1450.14	
6.30	50612621	2001.37	
6.81	104508184	1326.63	

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)			
R.T.	Response	Conc	
6.01	220879089	1106.93	
6.43	546596994	1088.31	
6.91	971429679	1015.69	
6.99	920910454	833.06	
7.35	634927700	1178.15	

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:03 pm
 Operator : a.moses
 Sample : tox std 4
 Misc : initial cal.
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

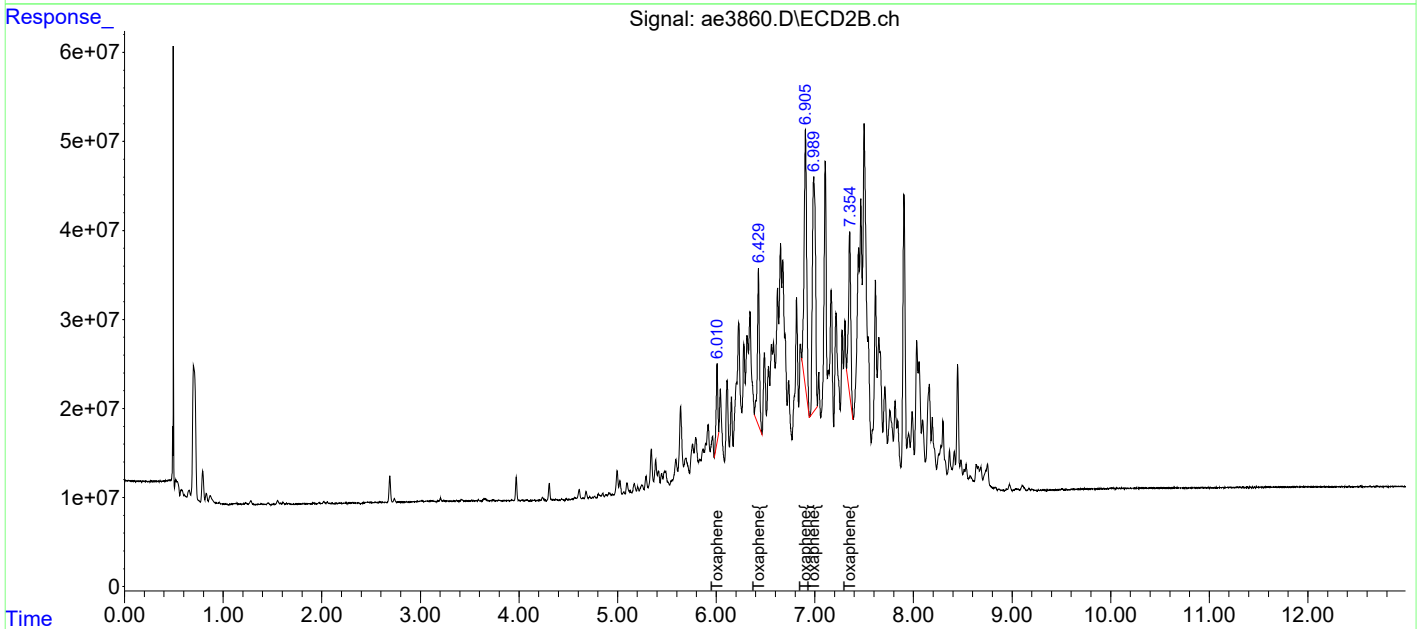
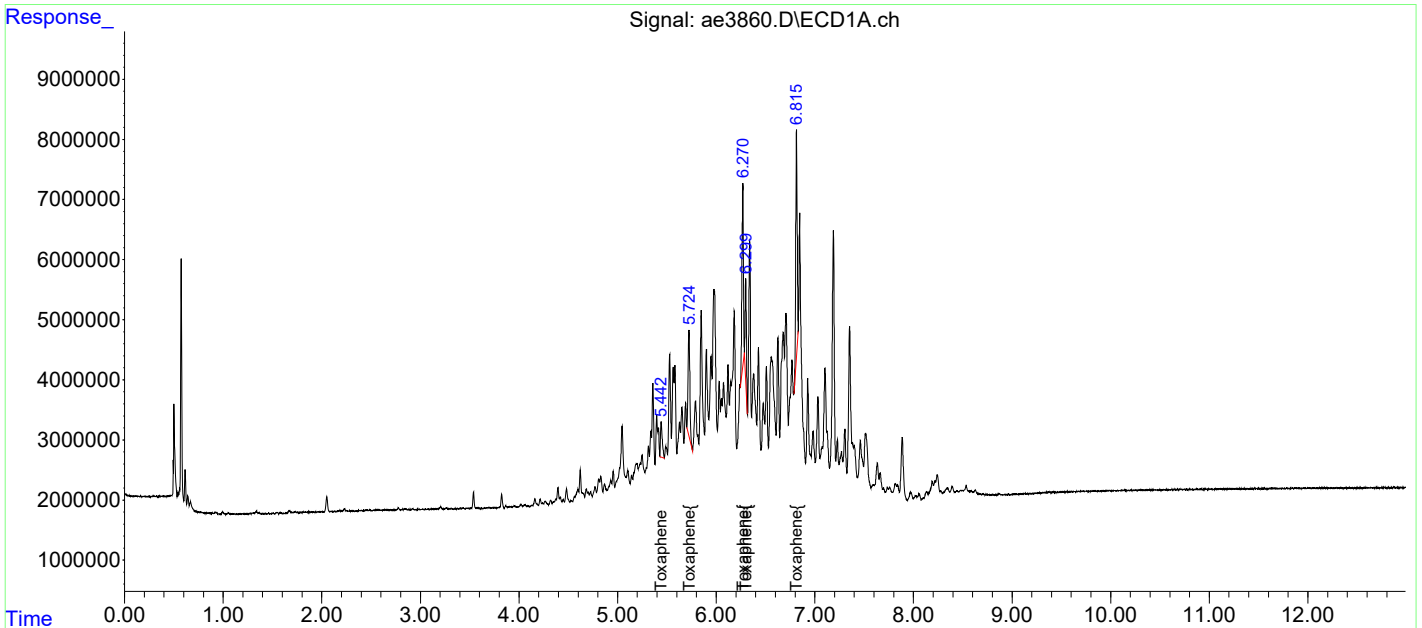
27) L8C Toxaphene	5.442	6.010	7221666	103.7E6	503.919m	519.600m
28) L8C Toxaphene{2}	5.724	6.429	22175945	261.4E6	531.275m	520.445m
29) L8C Toxaphene{3}	6.270	6.905	33594959	506.2E6	543.007m	529.277m
30) L8C Toxaphene{4}	6.299	6.989	13784771	583.0E6	545.089m	527.417m
31) L8C Toxaphene{5}	6.815	7.354	41835631	282.4E6	531.061m	524.013m
Sum Toxaphene			118.6E6	1736.7E6	2654.352	2620.753
Average Toxaphene					530.870	524.151
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:03 pm
Operator : a.moses
Sample : tox std 4
Misc : initial cal.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

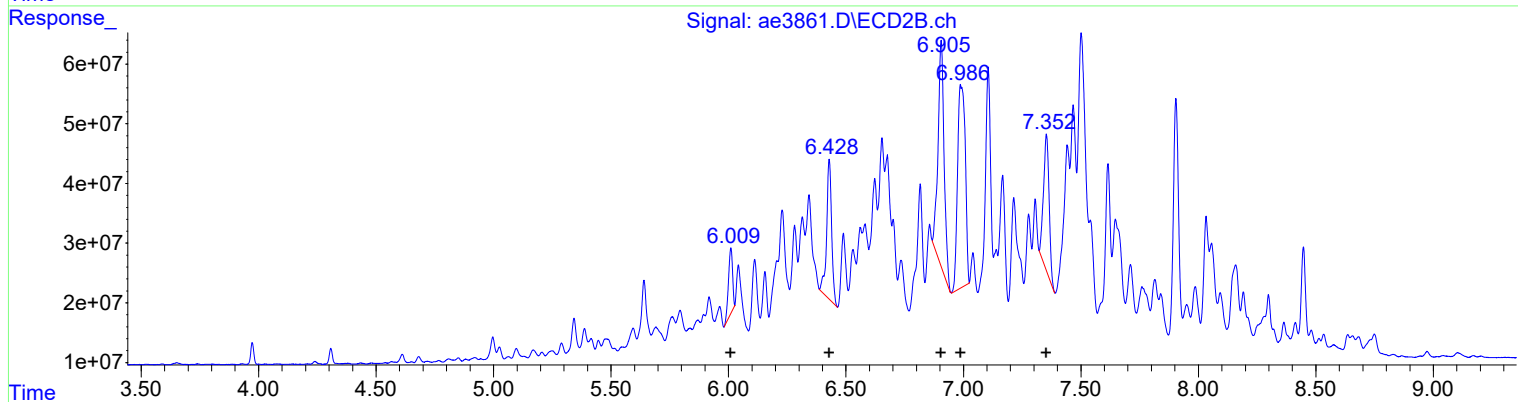
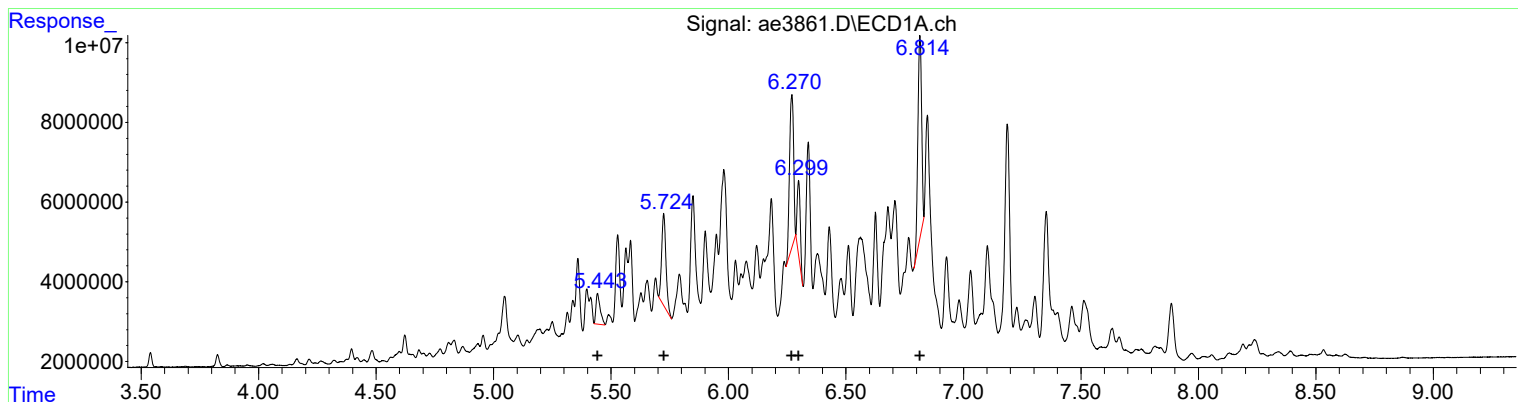
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:21 pm
 Operator : a.moses
 Sample : tox std 5
 Misc : initial cal.
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:42 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



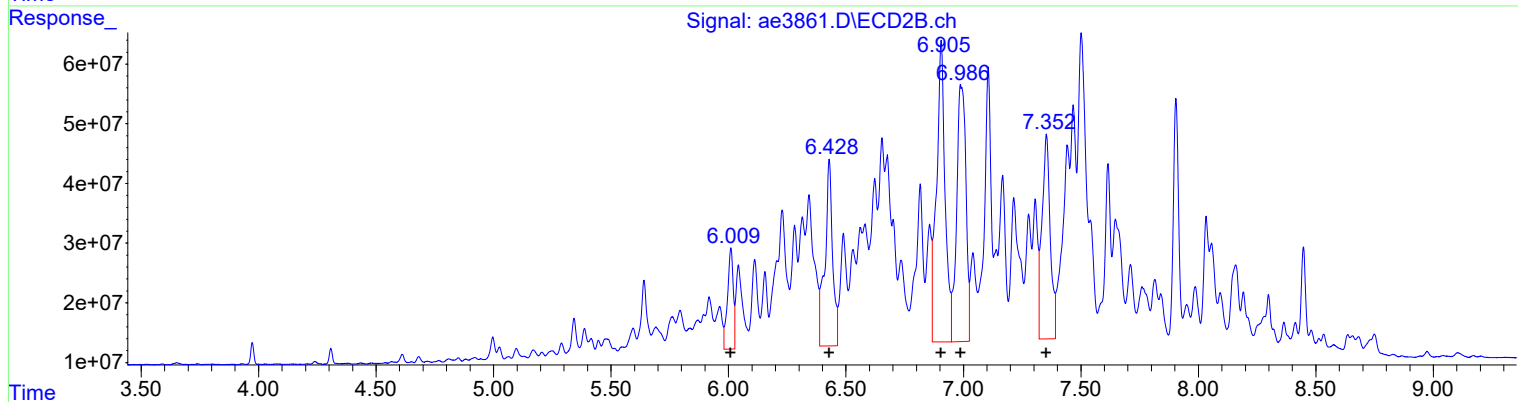
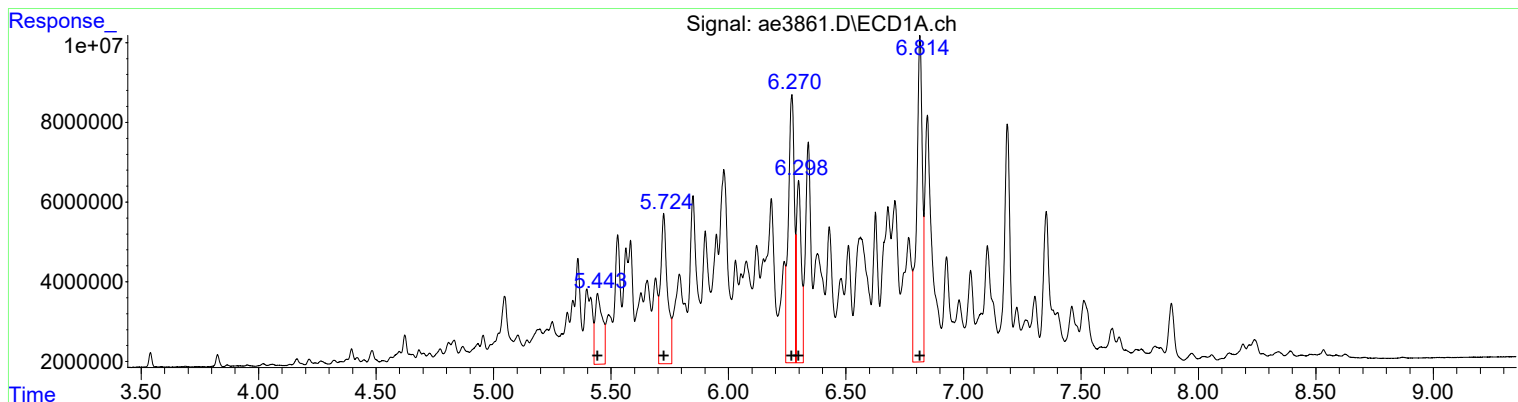
QEdit

<p>(27) Toxaphene (L8C) R.T. Response Conc 5.44 9721555 678.36 5.72 29024457 695.35 6.27 46332786 748.89 6.30 17014275 672.79 6.81 56188262 713.25</p> <p>(27) Toxaphene #2 (L8C) R.T. Response Conc 6.01 133234860 667.70 6.43 346157022 689.22 6.91 677579110 708.45 6.99 774083244 700.24 7.35 377081159 699.70</p>	<p>Manual Integration: After Poor integration. 04/29/19</p>
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Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:21 pm
Operator : a.moses
Sample : tox std 5
Misc : initial cal.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:42 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	38070615	2656.52
5.72	76422709	1830.88
6.27	117644101	1901.52
6.30	65028239	2571.40
6.81	139095951	1765.68

Manual Integration:
Before
04/29/19

(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	284532230	1425.93
6.43	715603116	1424.81
6.91	1284043724	1342.55
6.99	1189911368	1076.40
7.35	832792788	1545.30

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:21 pm
 Operator : a.moses
 Sample : tox std 5
 Misc : initial cal.
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:42 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

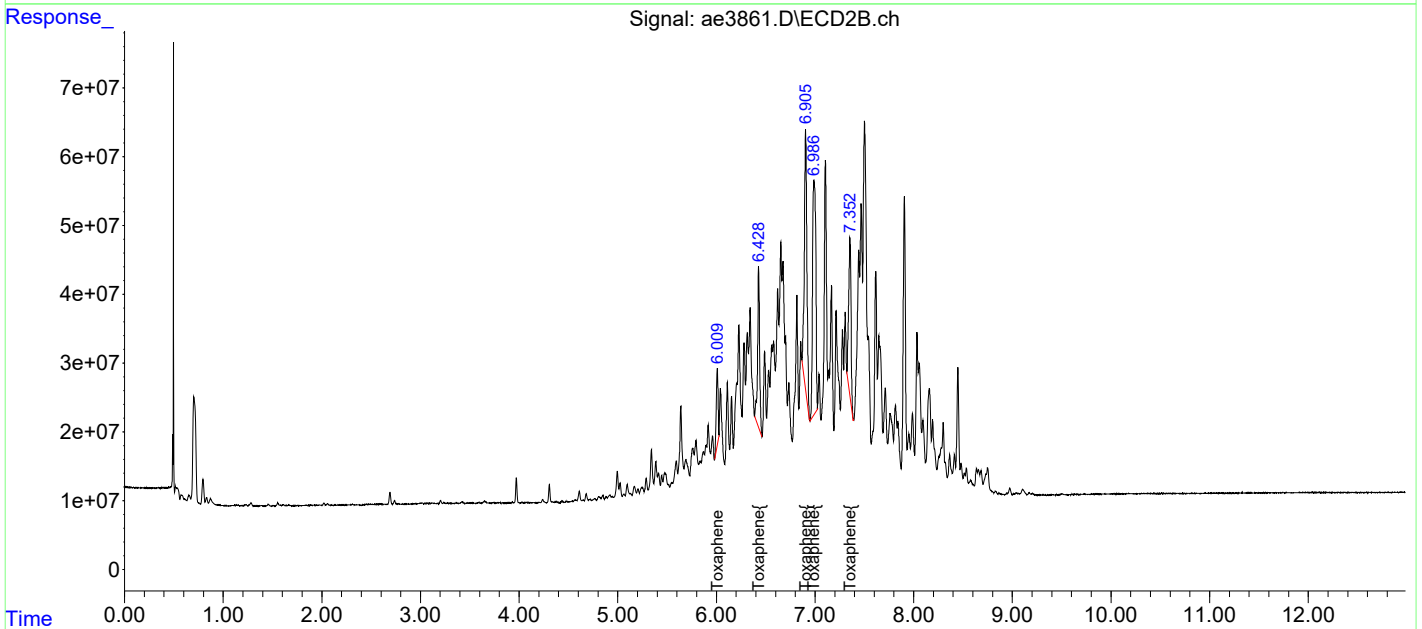
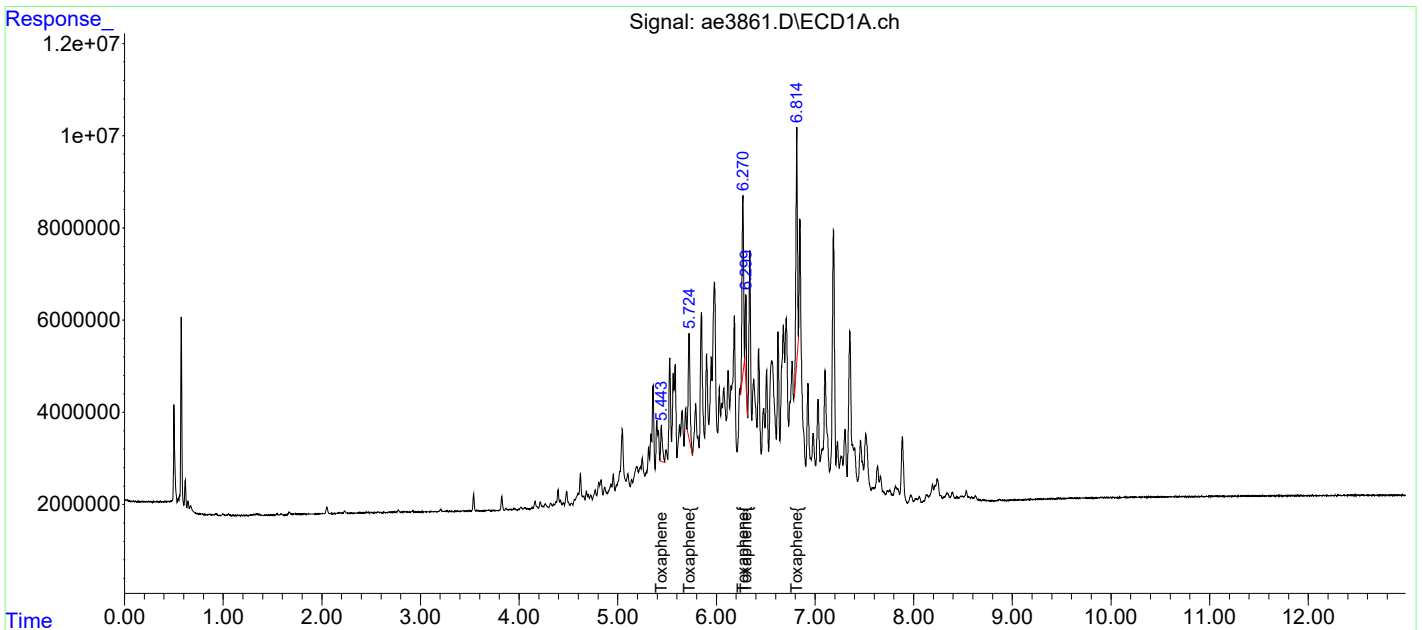
27) L8C Toxaphene	5.443	6.009	9721555	133.2E6	678.359m	667.703m
28) L8C Toxaphene{2}	5.724	6.428	29024457	346.2E6	695.346m	689.222m
29) L8C Toxaphene{3}	6.270	6.905	46332786	677.6E6	748.893m	708.454m
30) L8C Toxaphene{4}	6.299	6.986	17014275	774.1E6	672.793m	700.240m
31) L8C Toxaphene{5}	6.814	7.352	56188262	377.1E6	713.253m	699.697m
Sum Toxaphene			158.3E6	2308.1E6	3508.645	3465.315
Average Toxaphene					701.729	693.063
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:21 pm
Operator : a.moses
Sample : tox std 5
Misc : initial cal.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:42 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

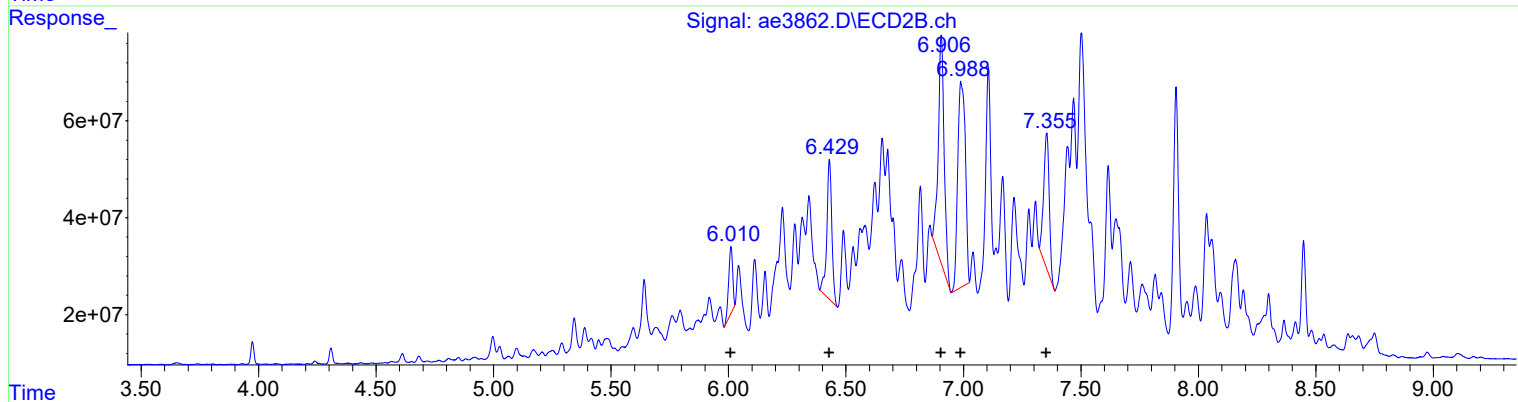
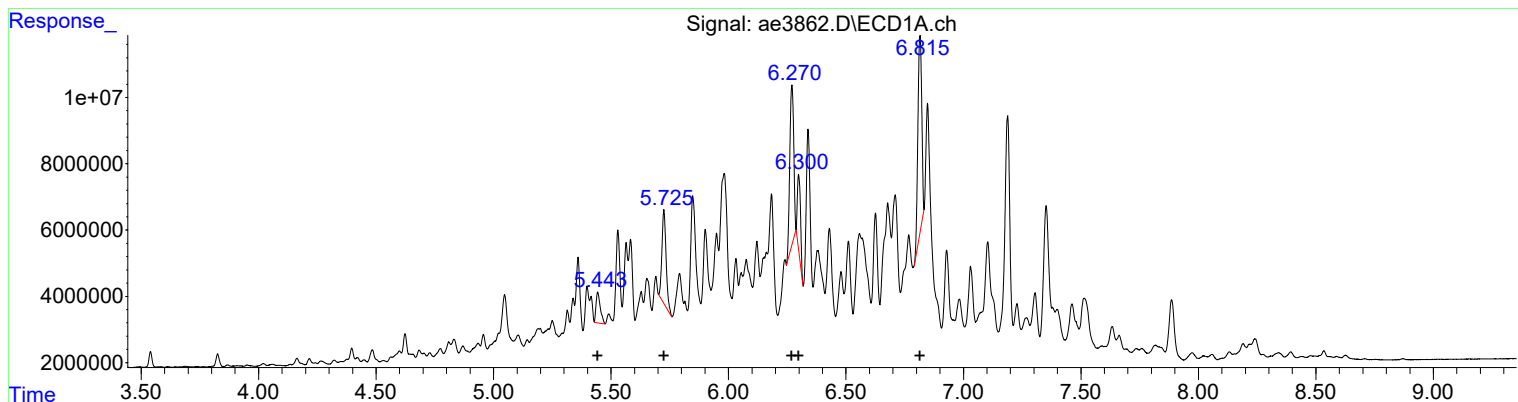
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:38 pm
 Operator : a.moses
 Sample : tox std 6
 Misc : initial cal.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

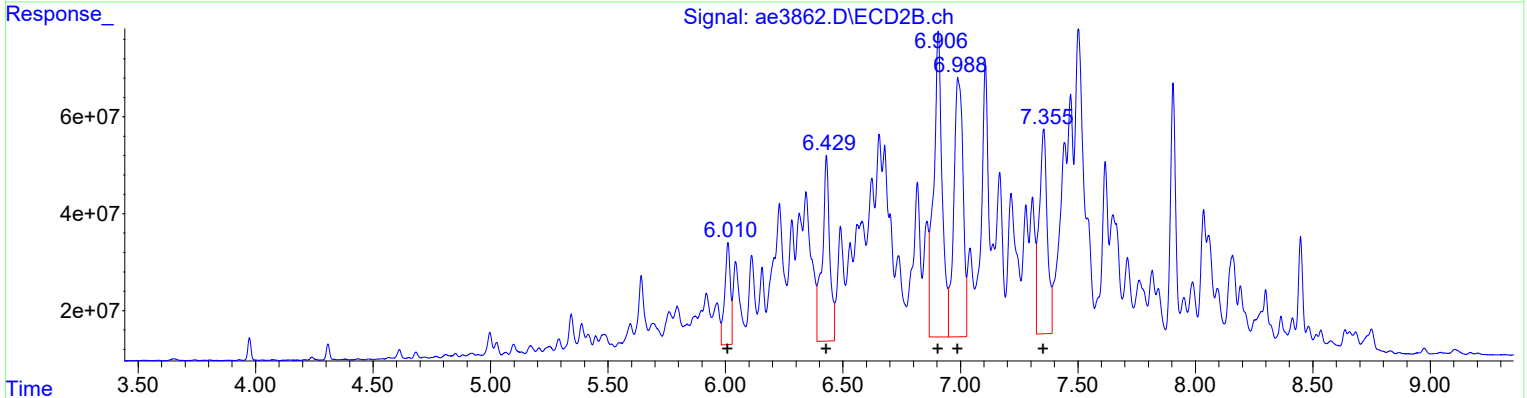
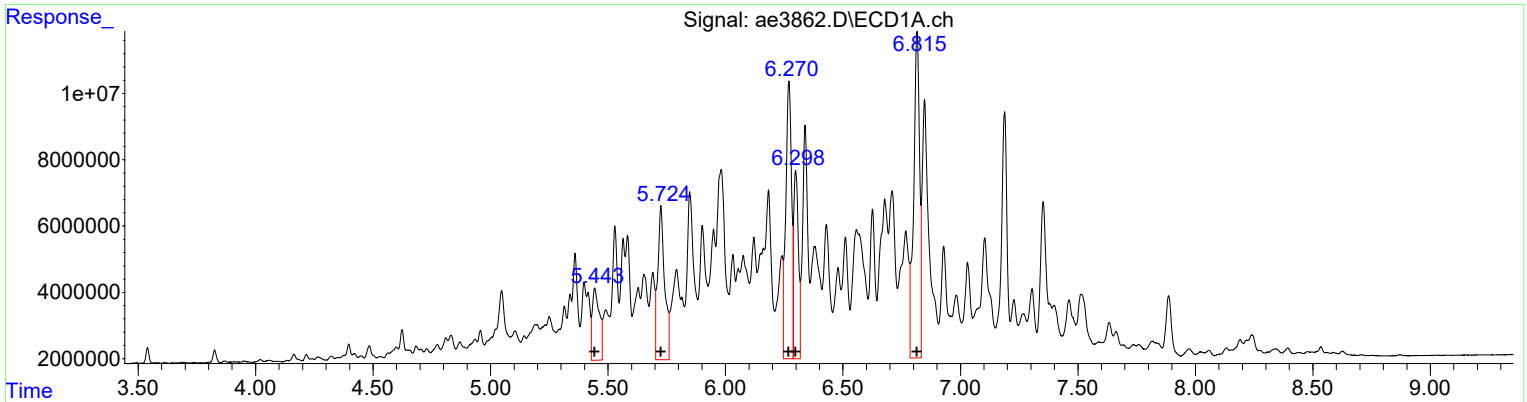
(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	11623421	811.07
5.72	34577736	828.39
6.27	56696869	916.41
6.30	21680477	857.31
6.81	68833462	873.77
(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	167068330	837.26
6.43	428580873	853.33
6.91	821964224	859.42
6.99	954300149	863.27
7.36	454265249	842.92

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:38 pm
 Operator : a.moses
 Sample : tox std 6
 Misc : initial cal.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)

R.T.	Response	Conc
5.44	46398805	3237.65
5.72	94962337	2275.04
6.27	142706013	2306.61
6.30	80062226	3165.89
6.81	171474740	2176.70

(27) Toxaphene #2 (L8C)

R.T.	Response	Conc
6.01	350498164	1756.51
6.43	866247436	1724.76
6.91	1600668764	1673.61
6.99	1466985339	1327.04
7.35	1018034258	1889.02

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:38 pm
 Operator : a.moses
 Sample : tox std 6
 Misc : initial cal.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:41:46 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:40:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

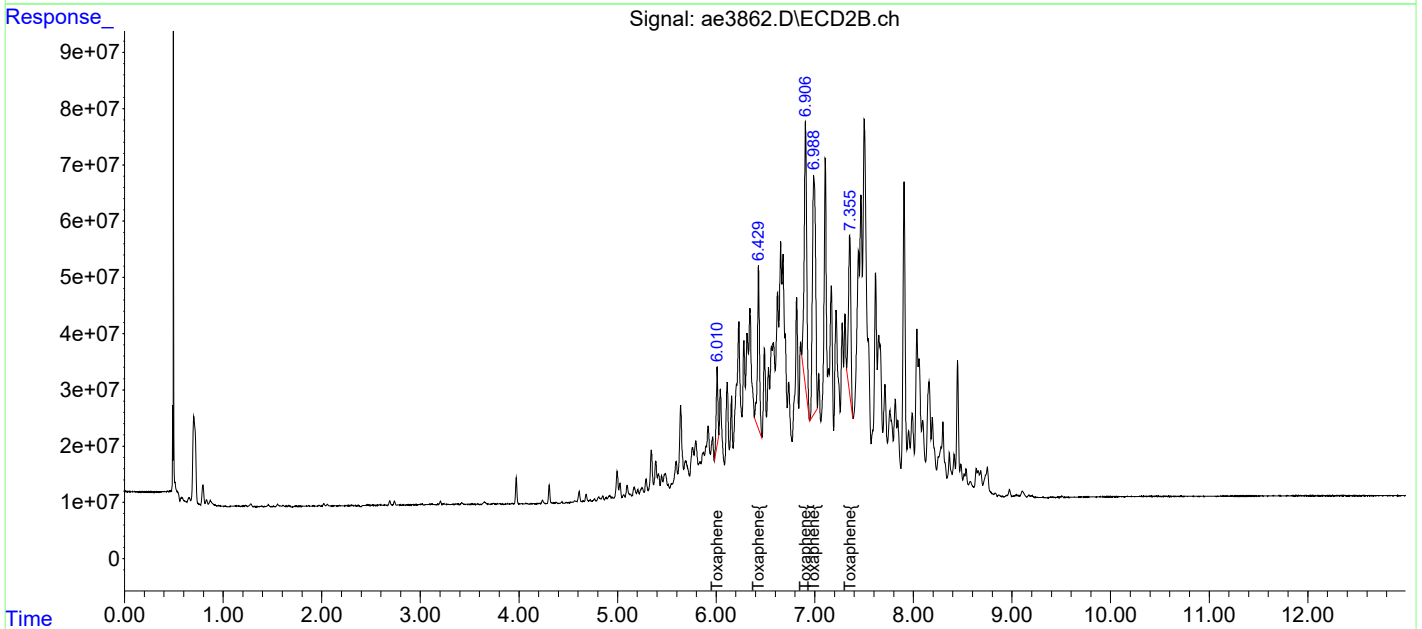
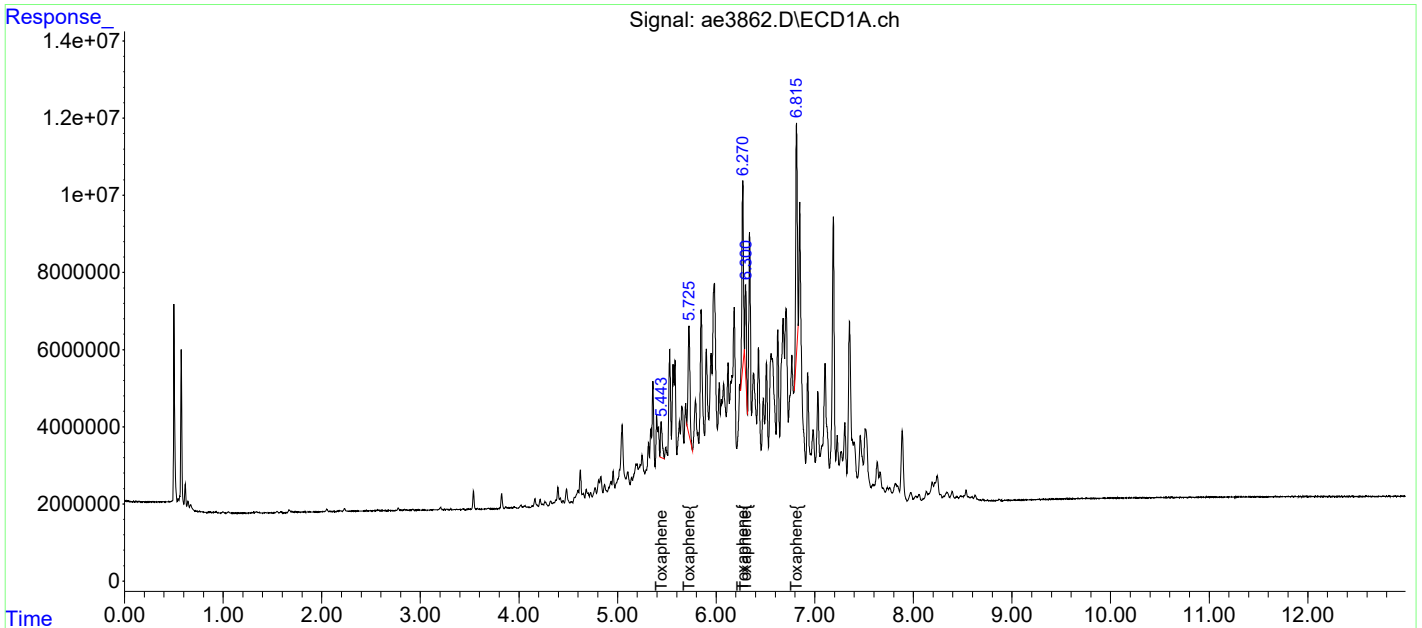
27) L8C Toxaphene	5.443	6.010	11623421	167.1E6	811.069m	837.259m
28) L8C Toxaphene{2}	5.725	6.429	34577736	428.6E6	828.388m	853.333m
29) L8C Toxaphene{3}	6.270	6.906	56696869	822.0E6	916.412m	859.418m
30) L8C Toxaphene{4}	6.300	6.988	21680477	954.3E6	857.308m	863.265m
31) L8C Toxaphene{5}	6.815	7.355	68833462	454.3E6	873.772m	842.916m
Sum Toxaphene			193.4E6	2826.2E6	4286.948	4256.191
Average Toxaphene					857.390	851.238
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:38 pm
Operator : a.moses
Sample : tox std 6
Misc : initial cal.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:41:46 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:40:45 2019
Response via : Initial Calibration
Integrator: ChemStation

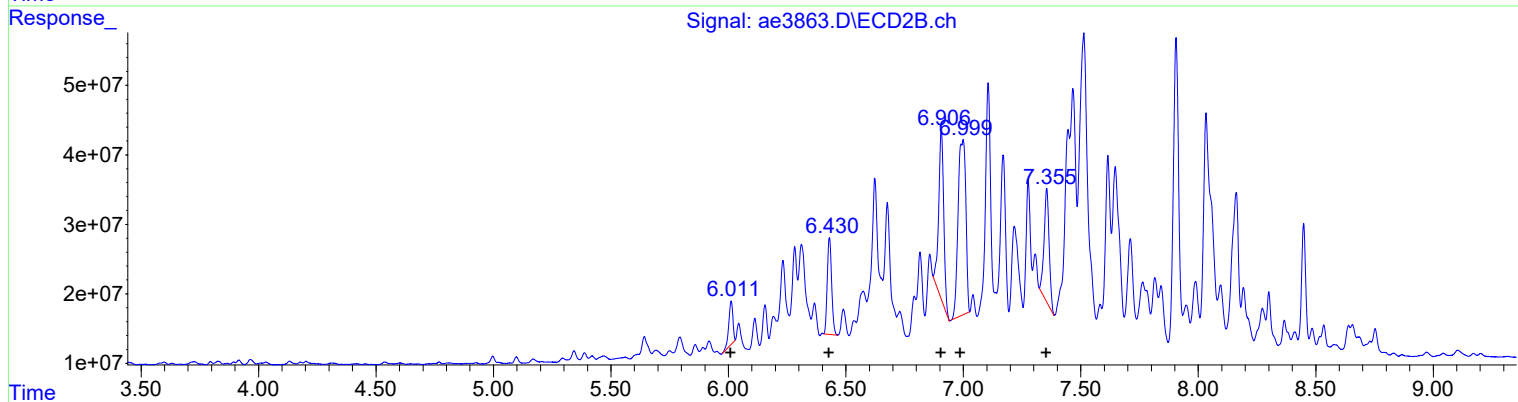
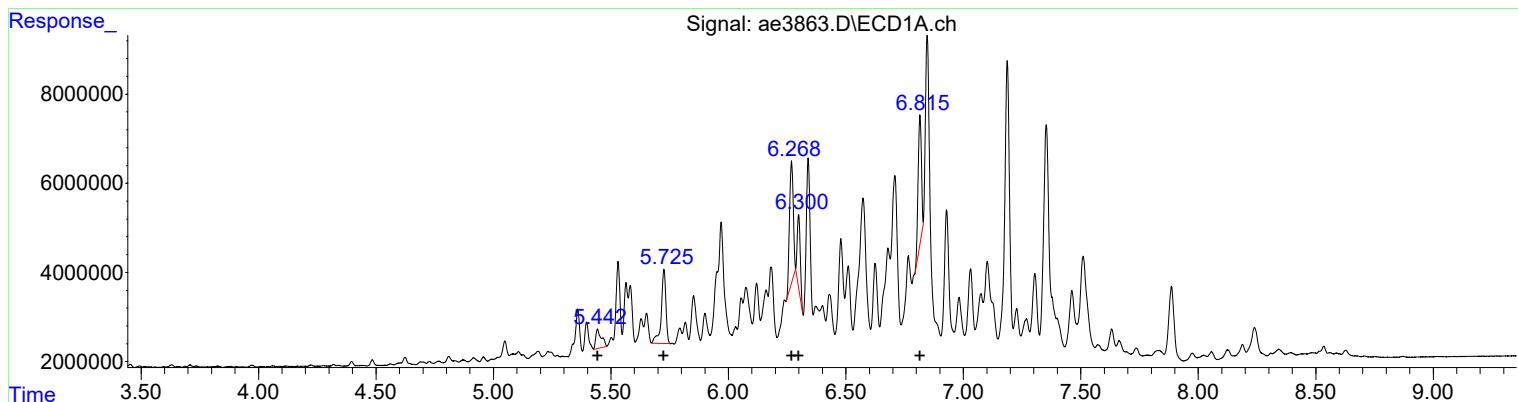
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:56 pm
 Operator : a.moses
 Sample : tox icv
 Misc : initial cal.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:57:18 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:56:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

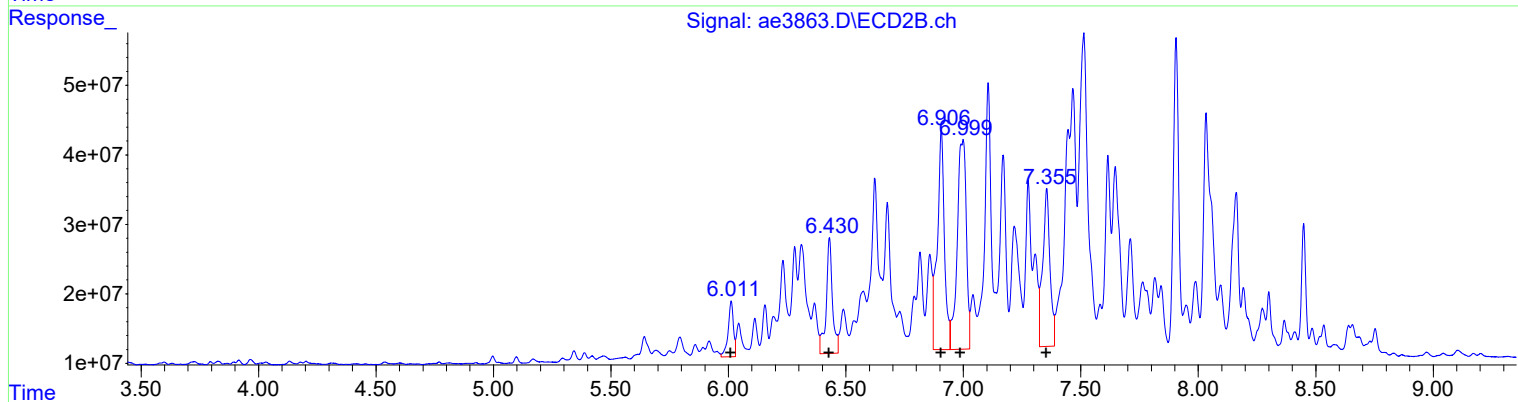
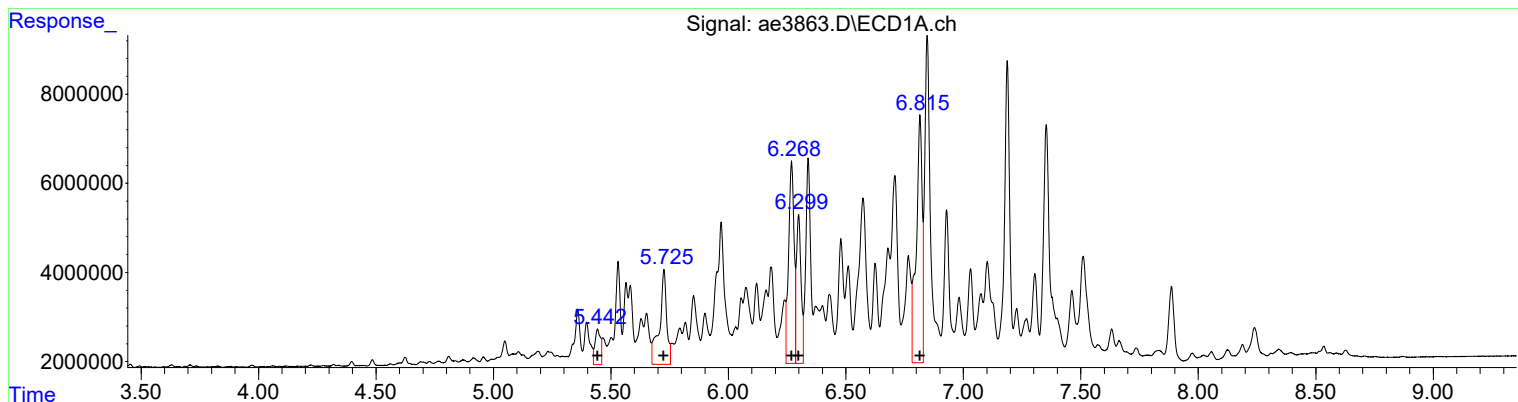
(27) Toxaphene (L8C)	
R.T. Response Conc	
5.44 7244480 533.28	
5.73 22755118 576.27	
6.27 30426123 500.32	
6.30 14753032 615.45	
6.81 28179381 372.35	
(27) Toxaphene #2 (L8C)	
R.T. Response Conc	
6.01 76668384 404.84	
6.43 179658676 378.32	
6.91 361501495 394.45	
7.00 575556516 541.71	
7.36 244918497 475.48	

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:56 pm
Operator : a.moses
Sample : tox icv
Misc : initial cal.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:57:18 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:56:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(27) Toxaphene (L8C)		
R.T.	Response	Conc
5.44	13140545	967.29
5.73	44805154	1134.68
6.27	73992304	1216.72
6.30	45111395	1881.89
6.82	96718213	1278.00

(27) Toxaphene #2 (L8C)		
R.T.	Response	Conc
6.01	125137257	660.78
6.43	307055327	646.58
6.91	670961169	732.12
7.00	812486541	764.71
7.35	489449726	950.21

Manual Integration:
Before
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 06:56 pm
 Operator : a.moses
 Sample : tox icv
 Misc : initial cal.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 09:57:18 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 09:56:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

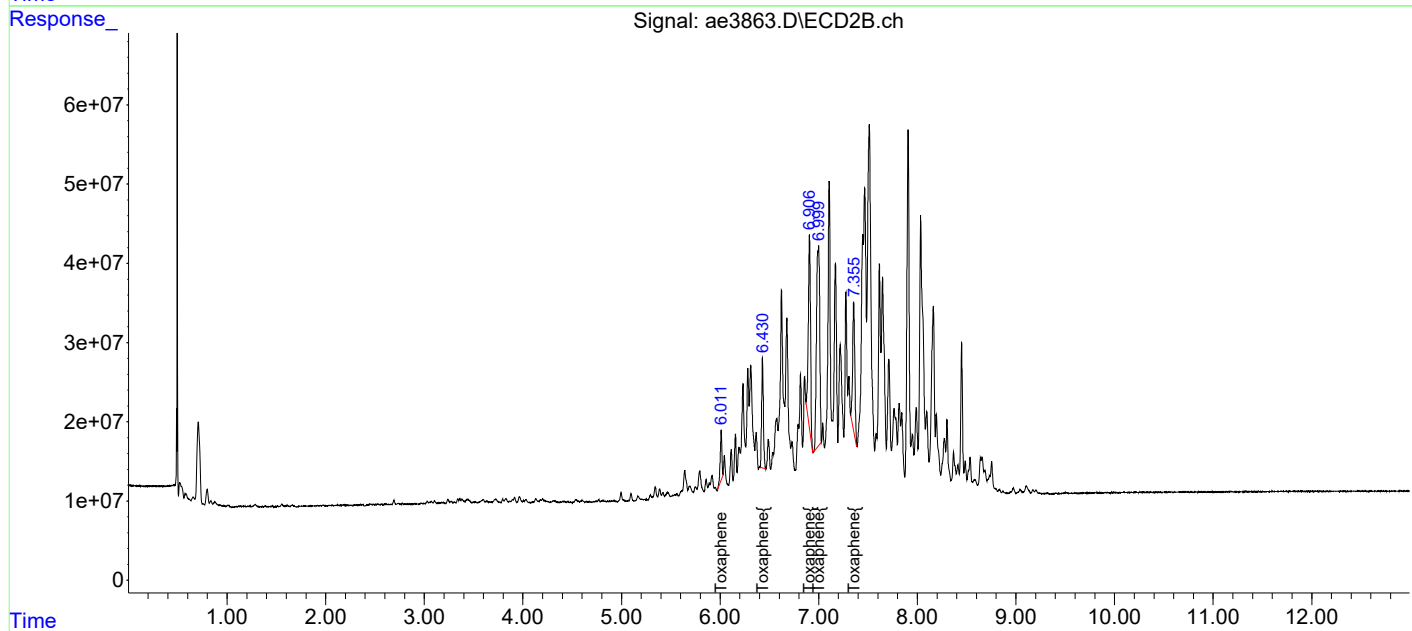
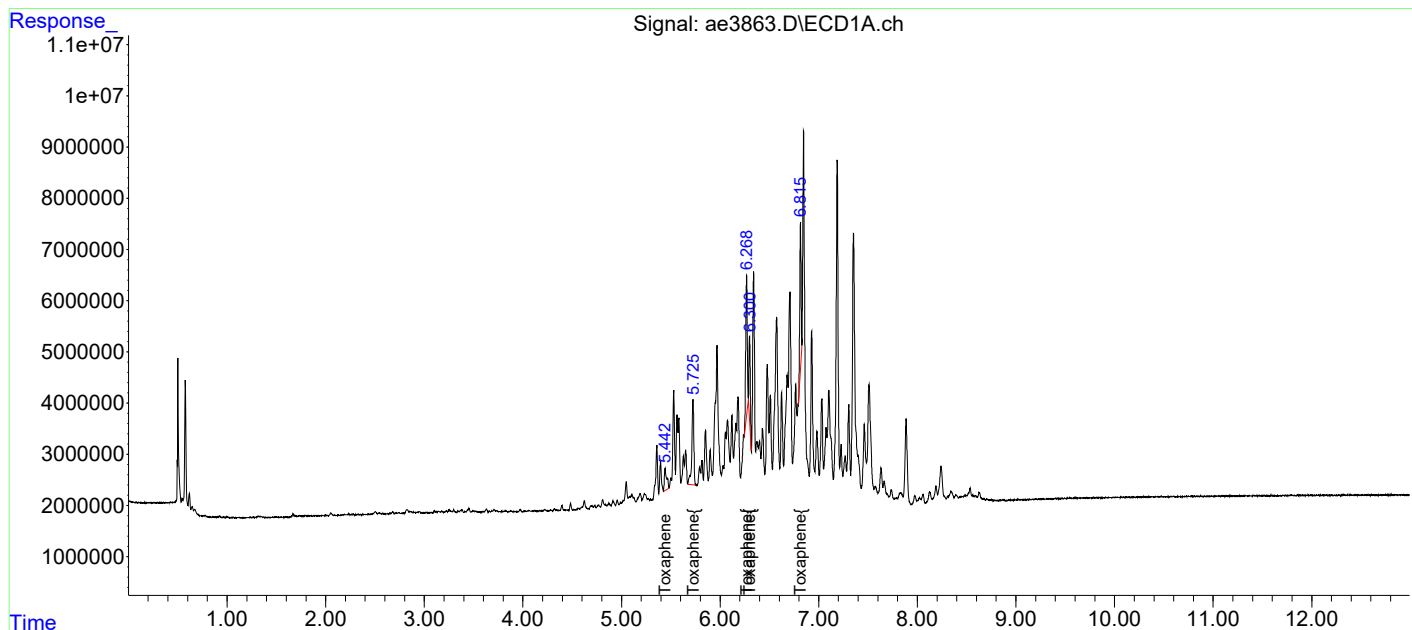
Target Compounds					104%	88%
27) L8C Toxaphene	5.442	6.011	7244480	76668384	533.276m	404.843m
28) L8C Toxaphene{2}	5.725	6.430	22755118	179.7E6	576.266m	378.318m#
29) L8C Toxaphene{3}	6.268	6.906	30426123	361.5E6	500.323m	394.453m
30) L8C Toxaphene{4}	6.300	6.999	14753032	575.6E6	615.446m	541.713m
31) L8C Toxaphene{5}	6.815	7.355	28179381	244.9E6	372.353m	475.481m#
Sum Toxaphene			103.4E6	1438.3E6	2597.664	2194.808
Average Toxaphene					519.533	438.962
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 06:56 pm
Operator : a.moses
Sample : tox icv
Misc : initial cal.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 09:57:18 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 09:56:45 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3871.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 09:17 pm
 Operator : a.moses
 Sample : k/f std 1
 Misc : initial cal.
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:04 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

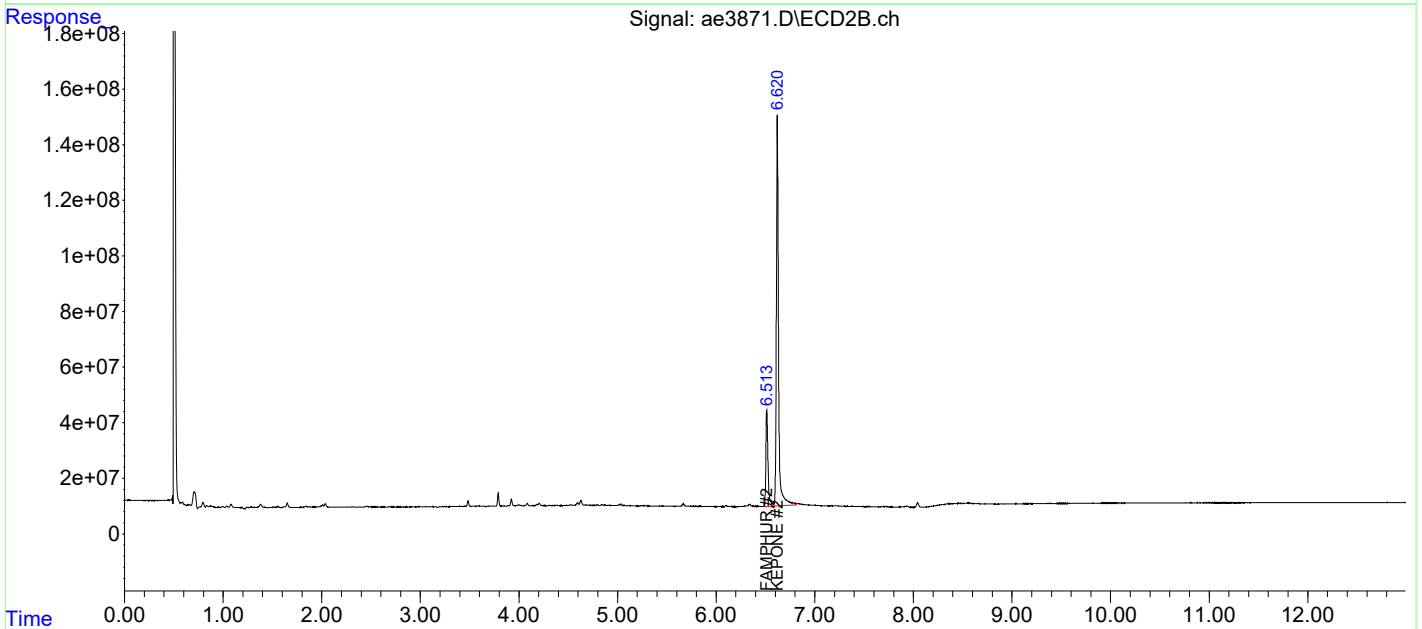
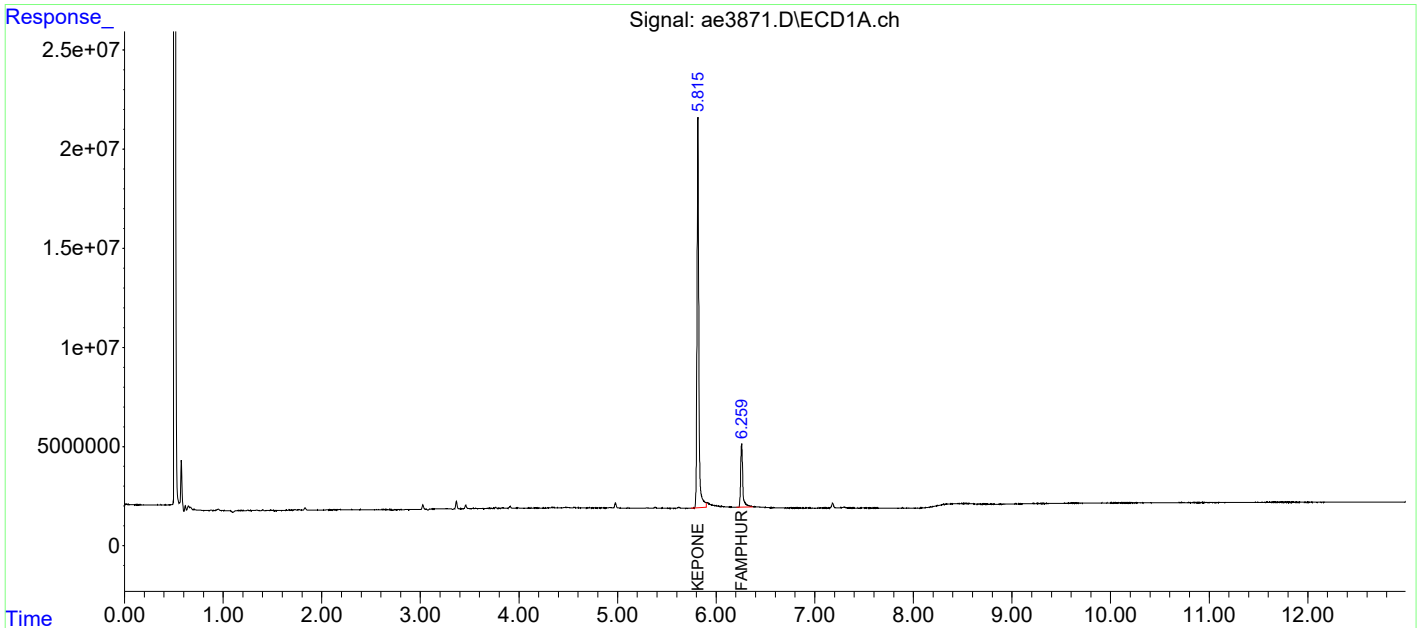
16) tc KEPONE	5.815	6.620	259.1E6	2211.0E6	107.077	87.407
23) tc FAMPHUR	6.259	6.514	47145350	522.1E6	16.334	15.214
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3871.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:17 pm
Operator : a.moses
Sample : k/f std 1
Misc : initial cal.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:04 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3872.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 09:34 pm
 Operator : a.moses
 Sample : k/f std 2
 Misc : initial cal.
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:08 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

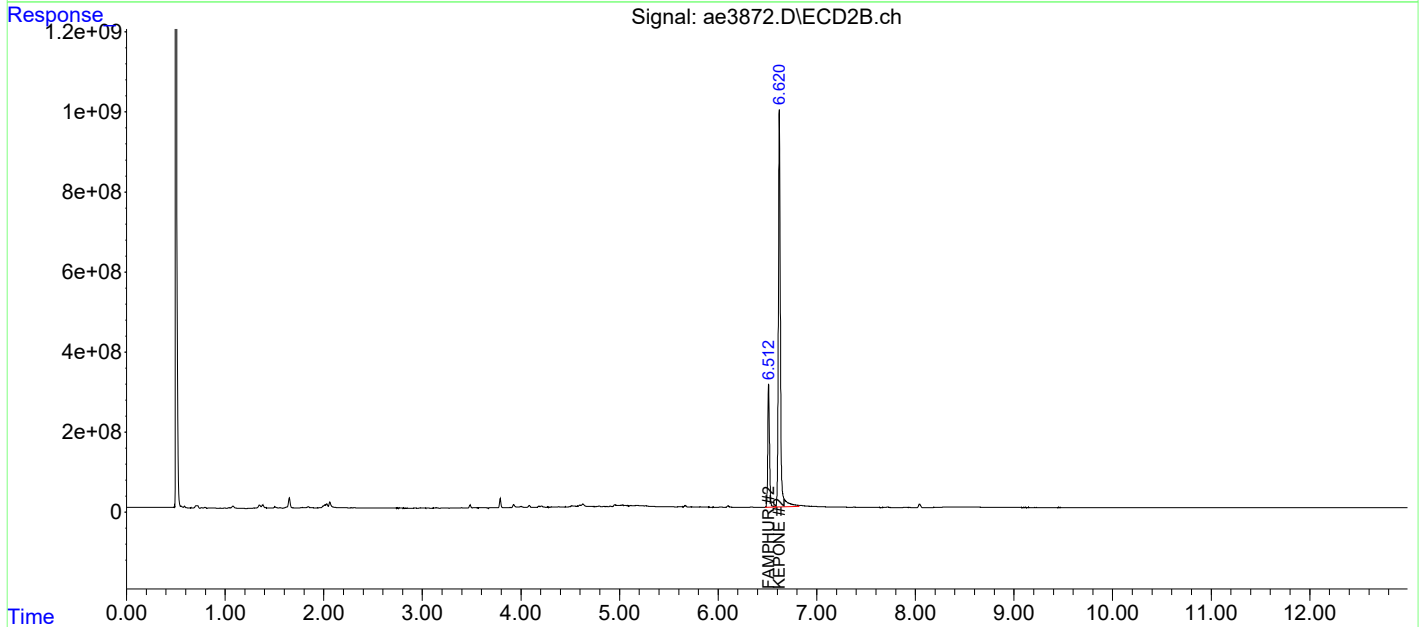
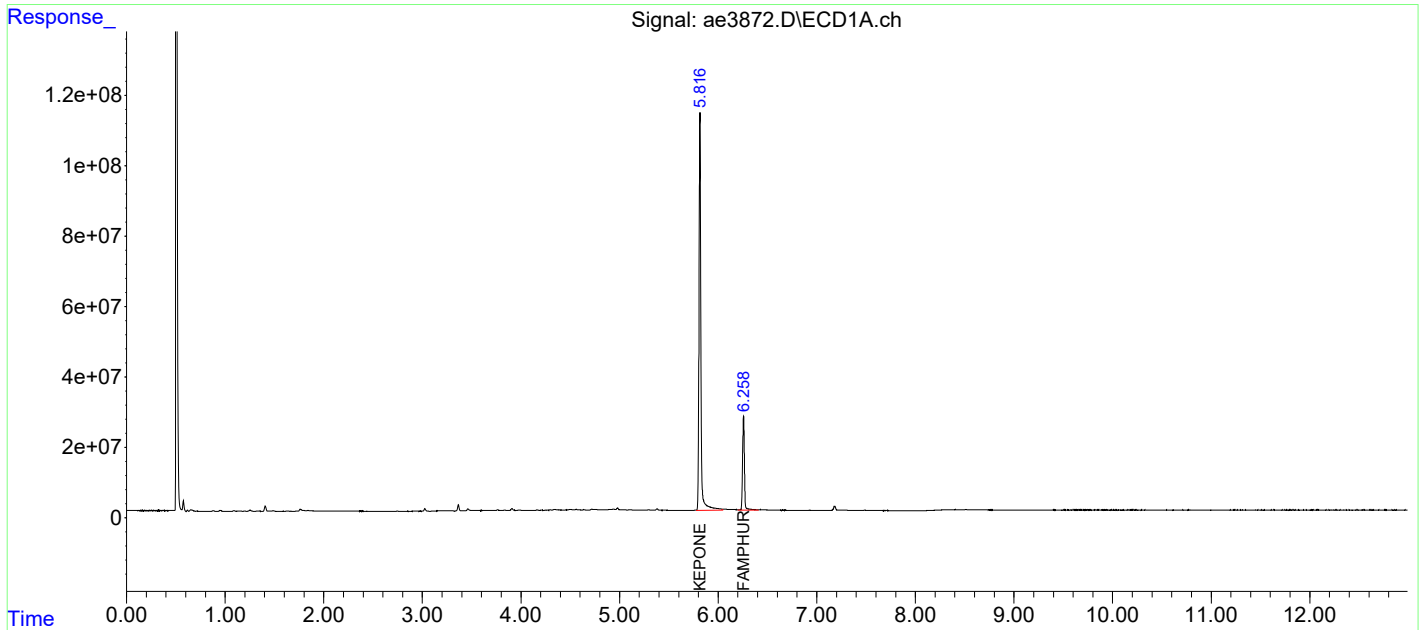
16) tc KEPONE	5.816	6.621	1528.1E6	14872.2E6	631.483	587.935
23) tc FAMPHUR	6.258	6.512	333.7E6	3803.6E6	115.615	110.823
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:34 pm
Operator : a.moses
Sample : k/f std 2
Misc : initial cal.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:08 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3873.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 09:52 pm
 Operator : a.moses
 Sample : k/f std 3
 Misc : initial cal.
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

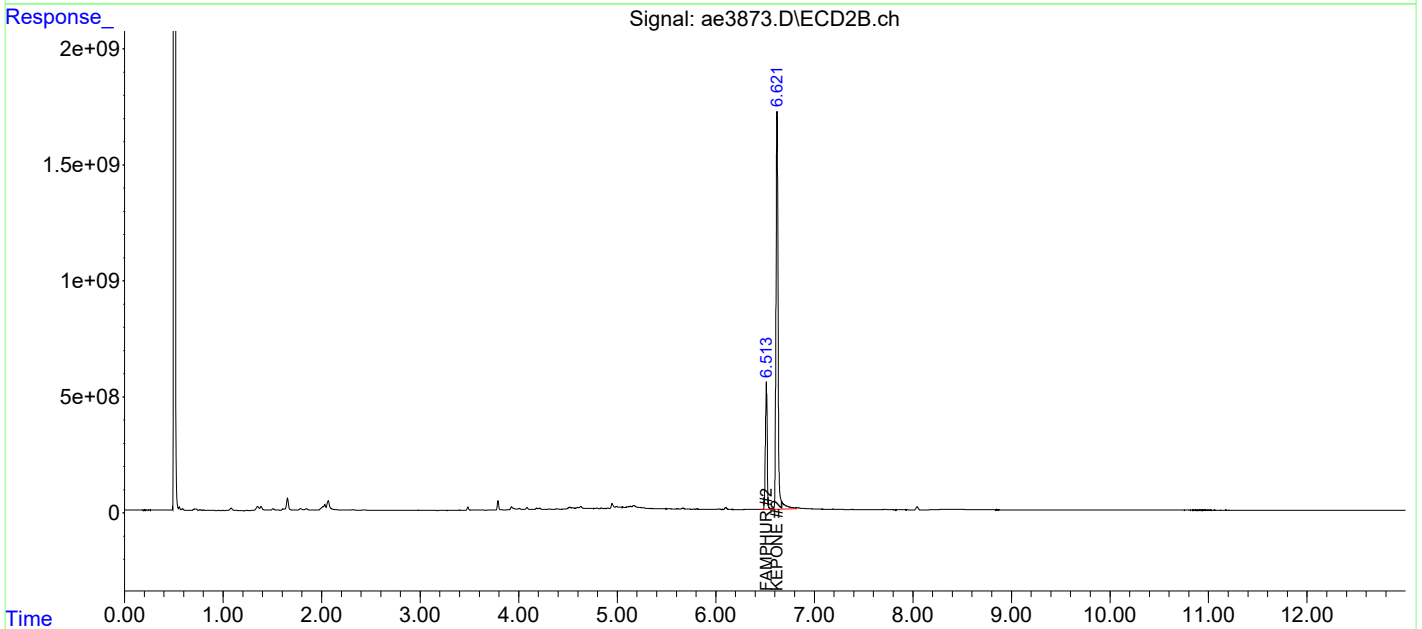
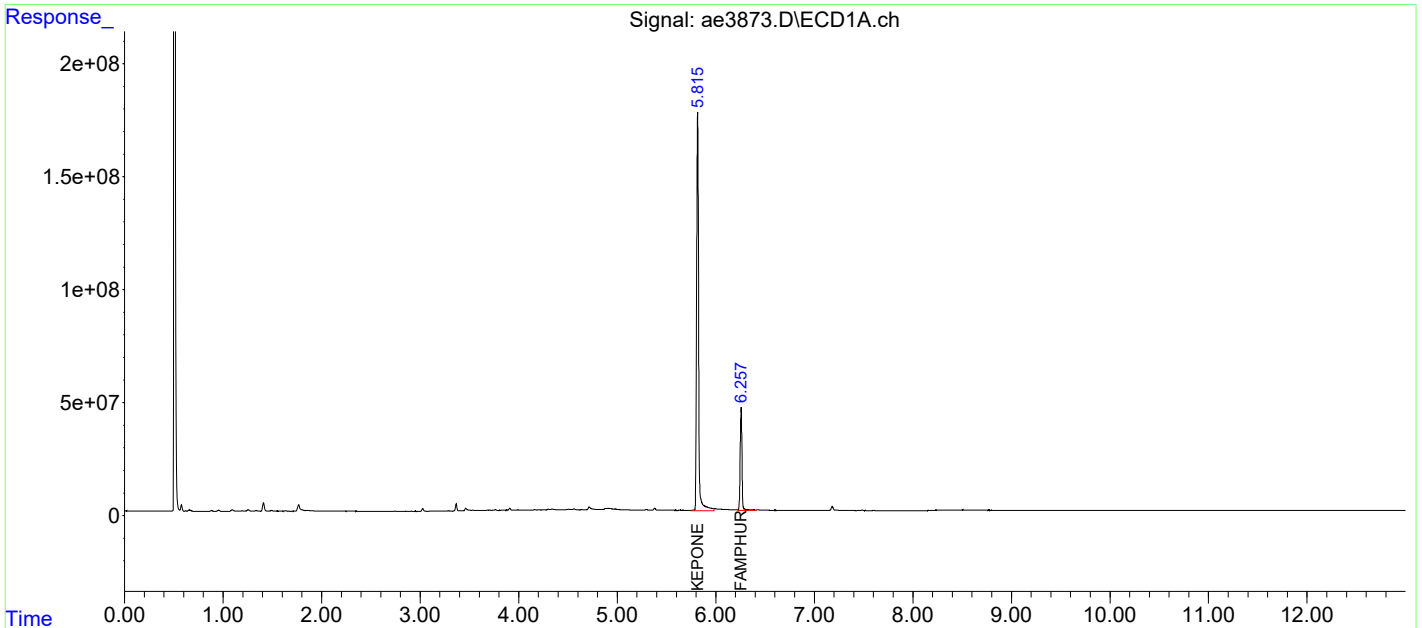
16) tc KEPONE	5.816	6.621	2419.9E6	25295.6E6	1000.000	1000.000
23) tc FAMPHUR	6.257	6.513	577.3E6	6864.2E6	200.000	200.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3873.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 09:52 pm
Operator : a.moses
Sample : k/f std 3
Misc : initial cal.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3874.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:09 pm
 Operator : a.moses
 Sample : k/f std 4
 Misc : initial cal.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:16 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

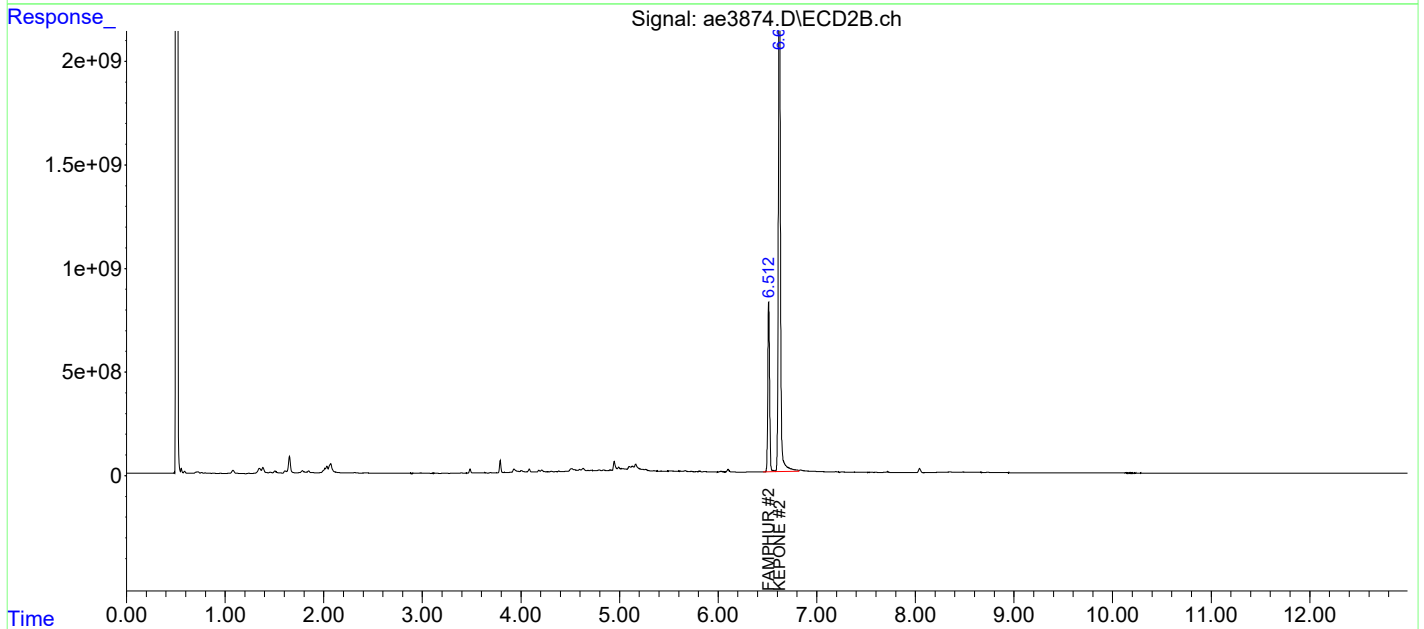
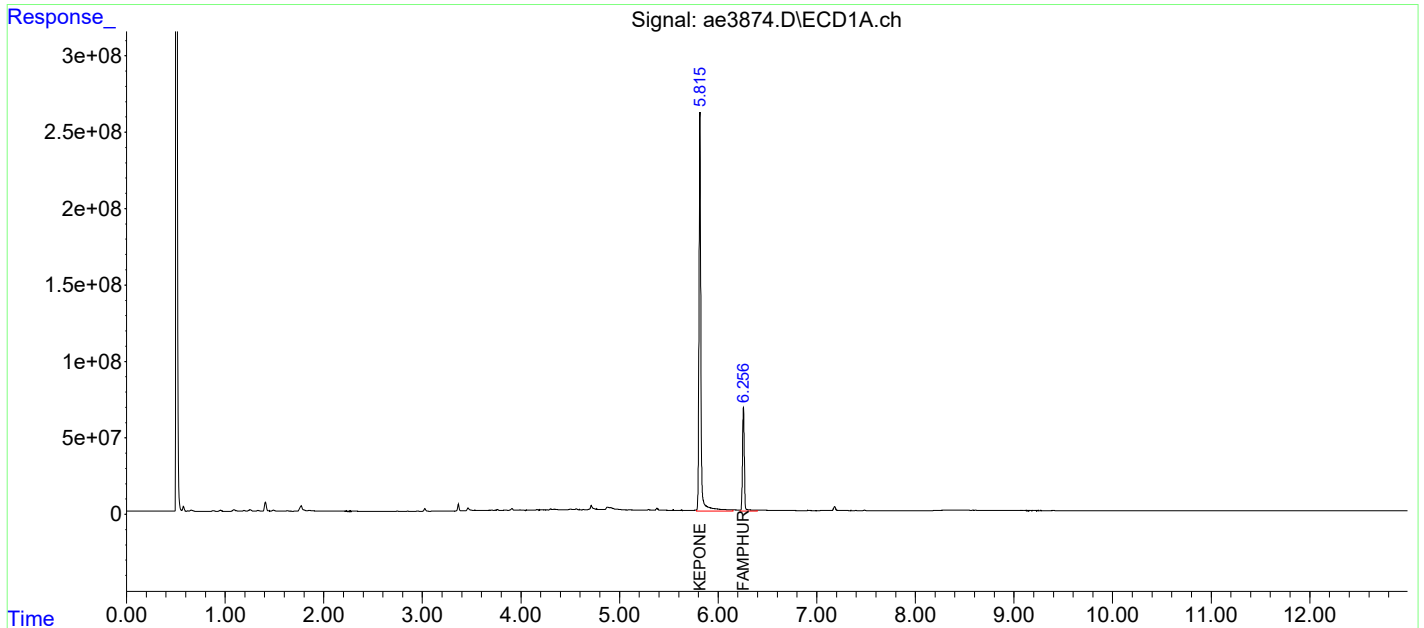
16) tc KEPONE	5.815	6.621	3611.8E6	36085.3E6	1492.518	1426.547
23) tc FAMPHUR	6.256	6.513	864.2E6	10508.3E6	299.415	306.177
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:09 pm
Operator : a.moses
Sample : k/f std 4
Misc : initial cal.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:16 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3875.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:27 pm
 Operator : a.moses
 Sample : k/f std 5
 Misc : initial cal.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:20 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

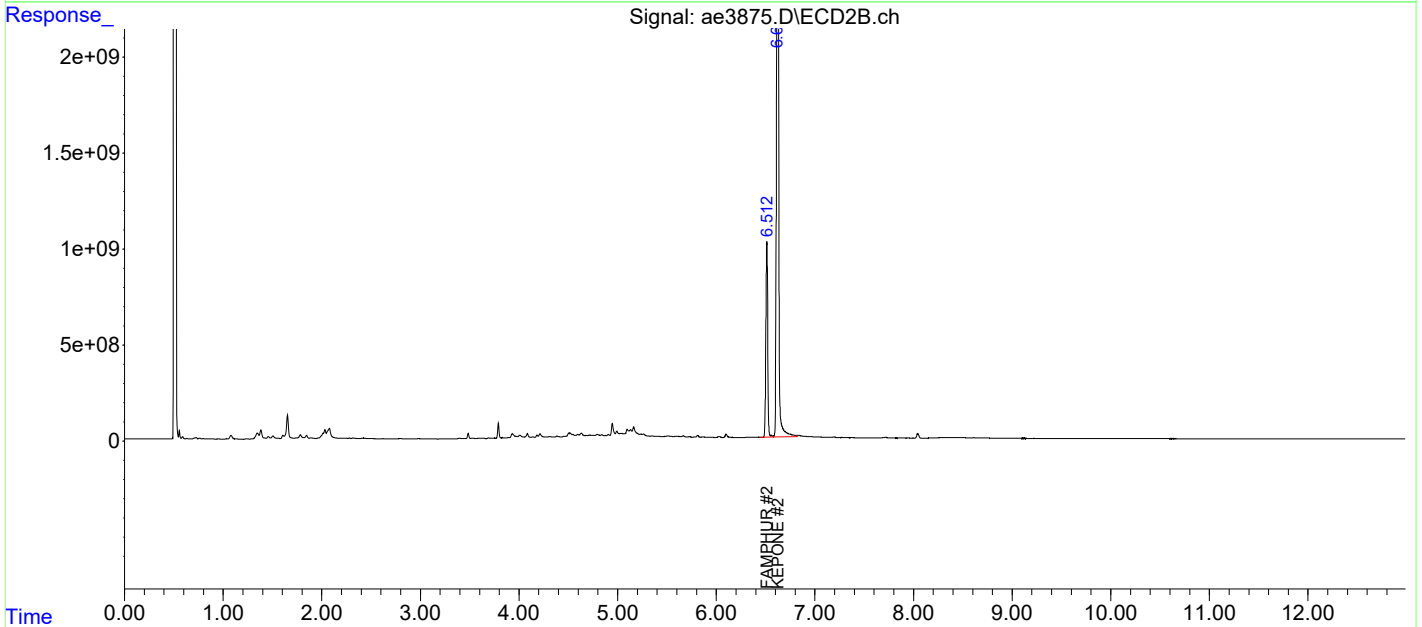
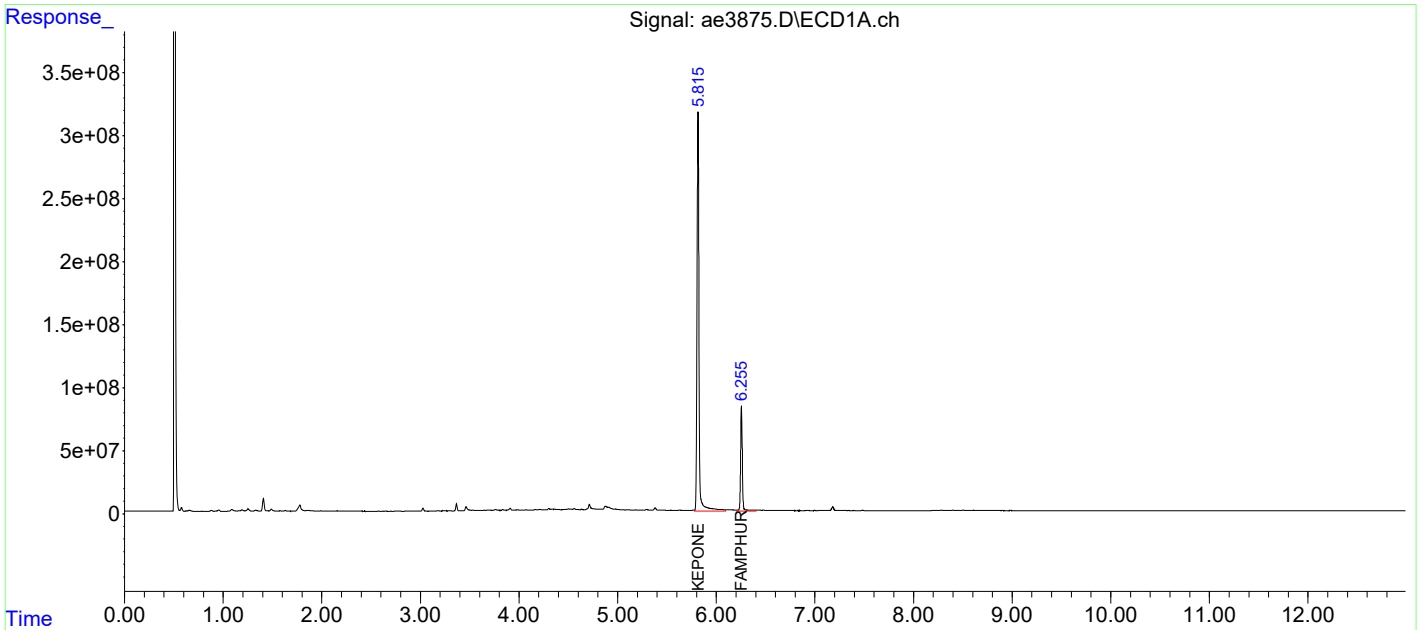
16) tc KEPONE	5.815	6.626	4361.7E6	40477.6E6	1802.383	1600.183
23) tc FAMPHUR	6.256	6.513	1062.9E6	13216.3E6	368.263	385.078
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:27 pm
Operator : a.moses
Sample : k/f std 5
Misc : initial cal.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:20 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3876.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 10:44 pm
 Operator : a.moses
 Sample : k/f std 6
 Misc : initial cal.
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 08:53:24 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 08:46:35 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

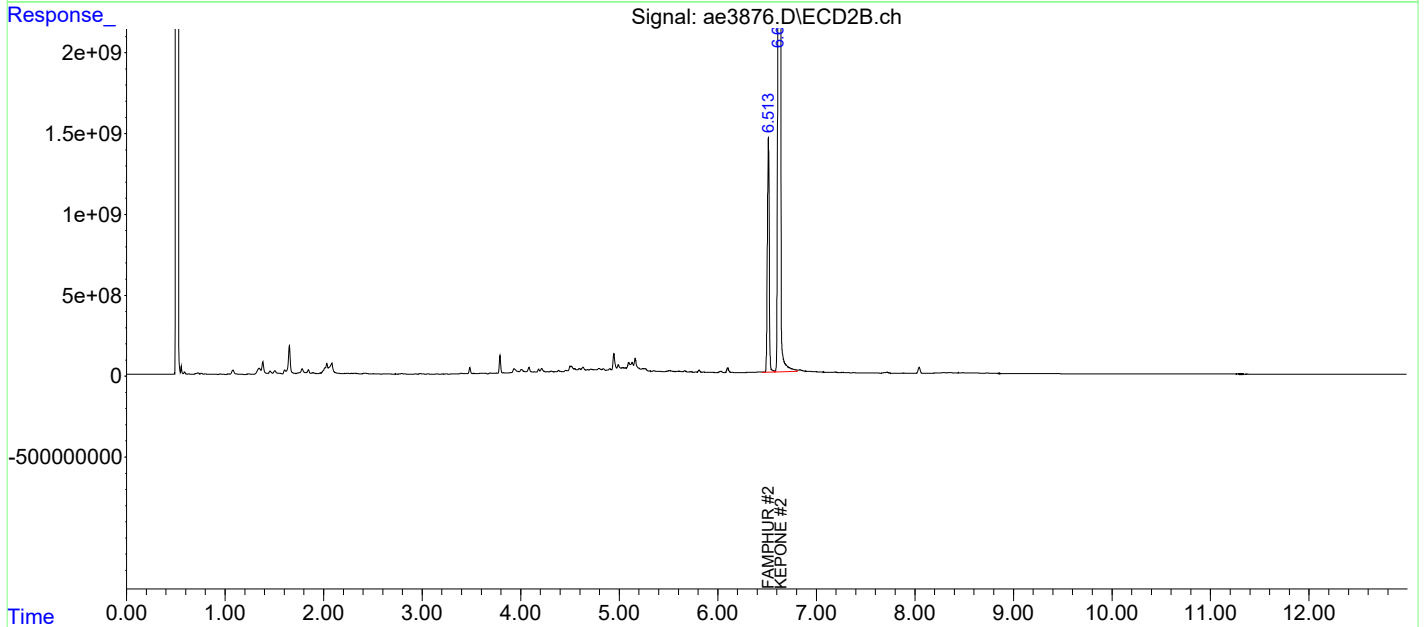
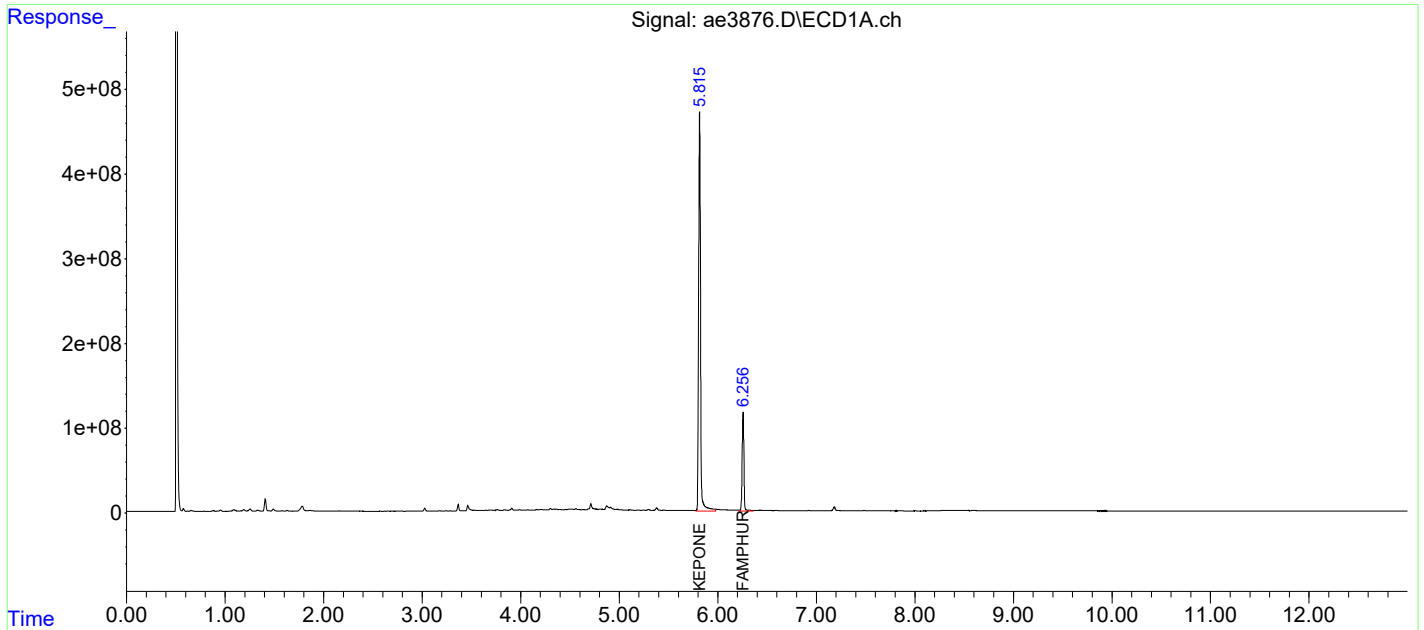
16) tc KEPONE	5.815	6.638	6175.3E6	53822.3E6	2551.847	2127.736
23) tc FAMPHUR	6.257	6.513	1446.9E6	18865.9E6	501.293	549.690
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 10:44 pm
Operator : a.moses
Sample : k/f std 6
Misc : initial cal.
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 08:53:24 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 08:46:35 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
16 tc KEPONE	1500.000	1223.518	18.4#	85	0.00
23 tc FAMPHUR	300.000	314.805	-4.9	103	0.00

Signal #2

16 tc KEPONE	1500.000	1403.494	6.4	93	0.00
23 tc FAMPHUR	300.000	337.041	-12.3	109	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLOROBENZENE	10.000	0.000	100.0#	0	-3.46#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.54#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-3.83#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.12#
6 tcm Aldrin	10.000	0.000	100.0#	0	-4.37#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.01#
8 TC delta-BHC	10.000	0.000	100.0#	0	-4.24#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-4.81#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.15#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.01#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.10#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.26#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-5.41#
15 tcm Endrin	10.000	0.000	100.0#	0	-5.71#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-5.96#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-5.80#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.07#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.18#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.39#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-6.77#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.03#
25 tc Mirex	10.000	0.000	100.0#	0	-7.18#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.30#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-6.81#
32 L9C Chlordane	100.000	0.000	100.0#	0	-3.97#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.12#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-4.48#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.10#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.99#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-10.57#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-10.96#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-4.04#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.97#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-4.24#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.75#
6 tcm Aldrin	10.000	0.000	100.0#	0	-5.04#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.45#
8 tc delta-BHC	10.000	0.000	100.0#	0	-4.68#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-5.43#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.83#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.73#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.78#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.90#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-6.08#
15 tcm Endrin	10.000	0.000	100.0#	0	-6.32#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-6.58#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-6.42#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.75#
20 tc Endrin Aldeh	10.000	0.000	100.0#	0	-6.69#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.99#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-7.21#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.47#
25 tc Mirex	10.000	0.000	100.0#	0	-8.04#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.91#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3877.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 11:02 pm
Operator : a.moses
Sample : k/f icv
Misc : initial cal.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:10:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-7.35#
32 L9C Chlordane	100.000	0.000	100.0#	0	-4.57#
33 L9C Chlordane{2}	100.000	0.000	100.0#	0	-4.75#
34 L9C Chlordane{3}	100.000	0.000	100.0#	0	-5.04#
35 L9C Chlordane{4}	100.000	0.000	100.0#	0	-5.46#
36 L9C Chlordane{5}	100.000	0.000	100.0#	0	-5.82#
37 L10CDechlorane{1}	50.000	0.000	100.0#	0	-12.01#
38 L10CDechlorane{2}	50.000	0.000	100.0#	0	-12.50#

(#) = Out of Range

SPCC's out = 0 CCC's out = 69

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3877.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Apr 2019 11:02 pm
 Operator : a.moses
 Sample : k/f icv
 Misc : initial cal.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:10:38 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:09:26 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

Target Compounds

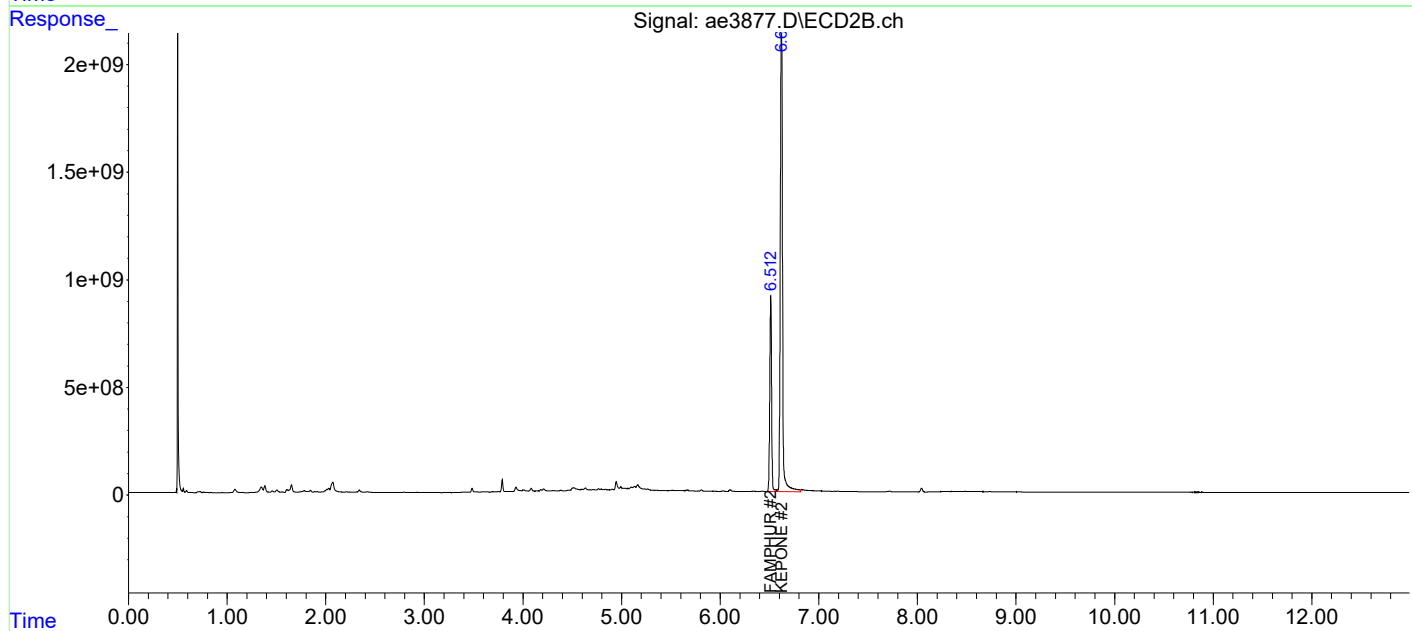
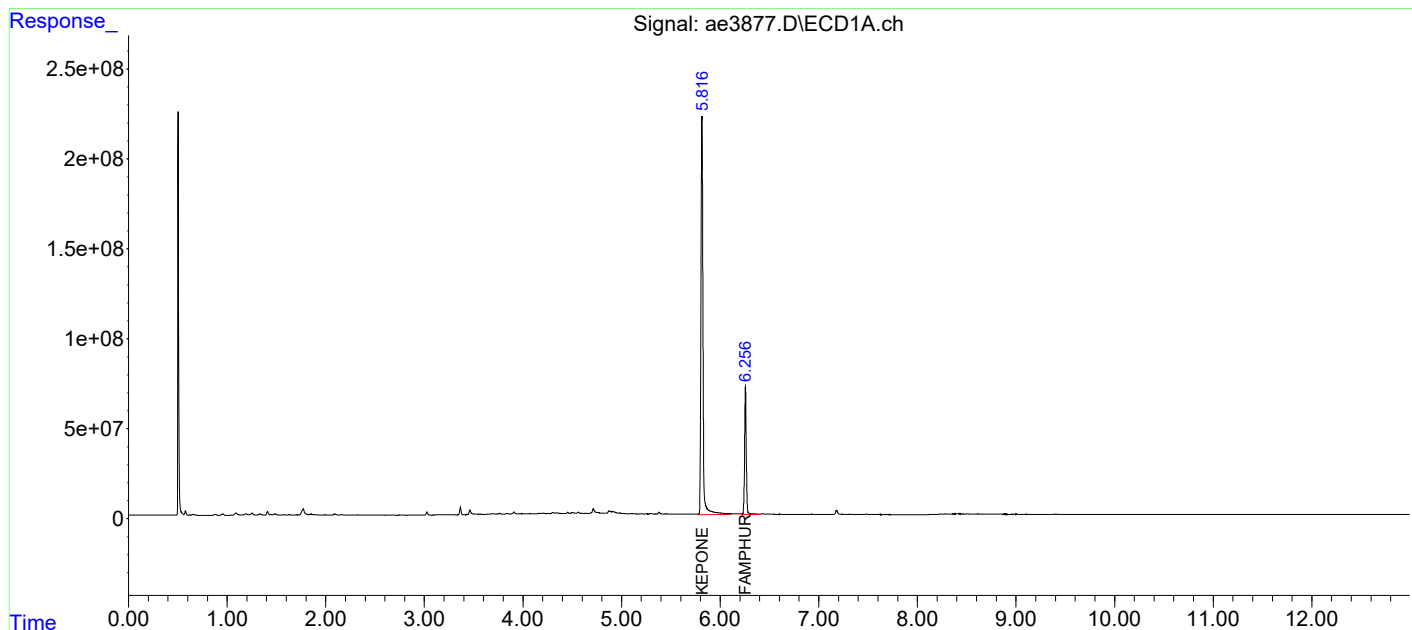
16) tc KEPONE	5.816	6.621	3084.5E6	33444.0E6	1223.518	1403.494
23) tc FAMPHUR	6.256	6.512	892.6E6	11474.2E6	314.805	337.041
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3877.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Apr 2019 11:02 pm
Operator : a.moses
Sample : k/f icv
Misc : initial cal.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:10:38 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

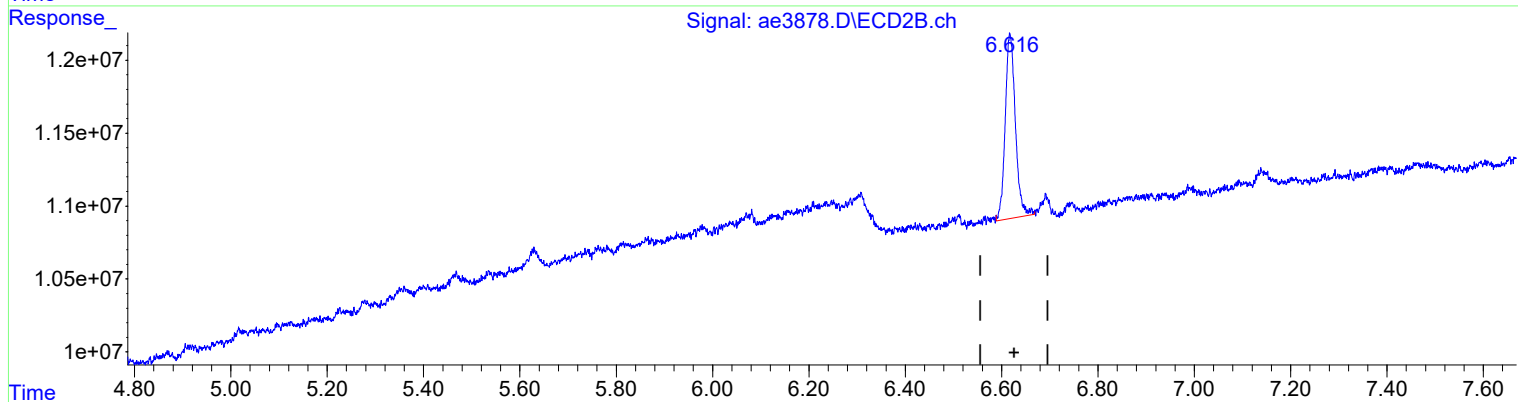
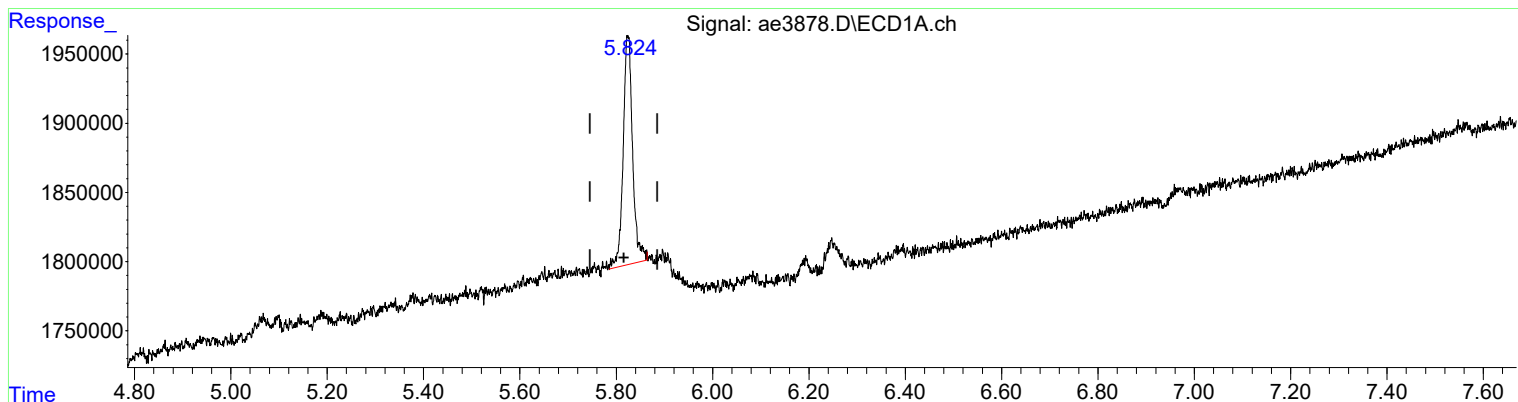
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(16) KEPONE (tc)
5.824min 0.899 ug/l m
response 2265608

(16) KEPONE #2 (tc)
6.616min 0.780 ug/l m
response 18583386

Manual Integration:
After
Poor integration.
04/30/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound RT#1 RT#2 Resp#1 Resp#2 ug/l ug/l

System Monitoring Compounds

Target Compounds

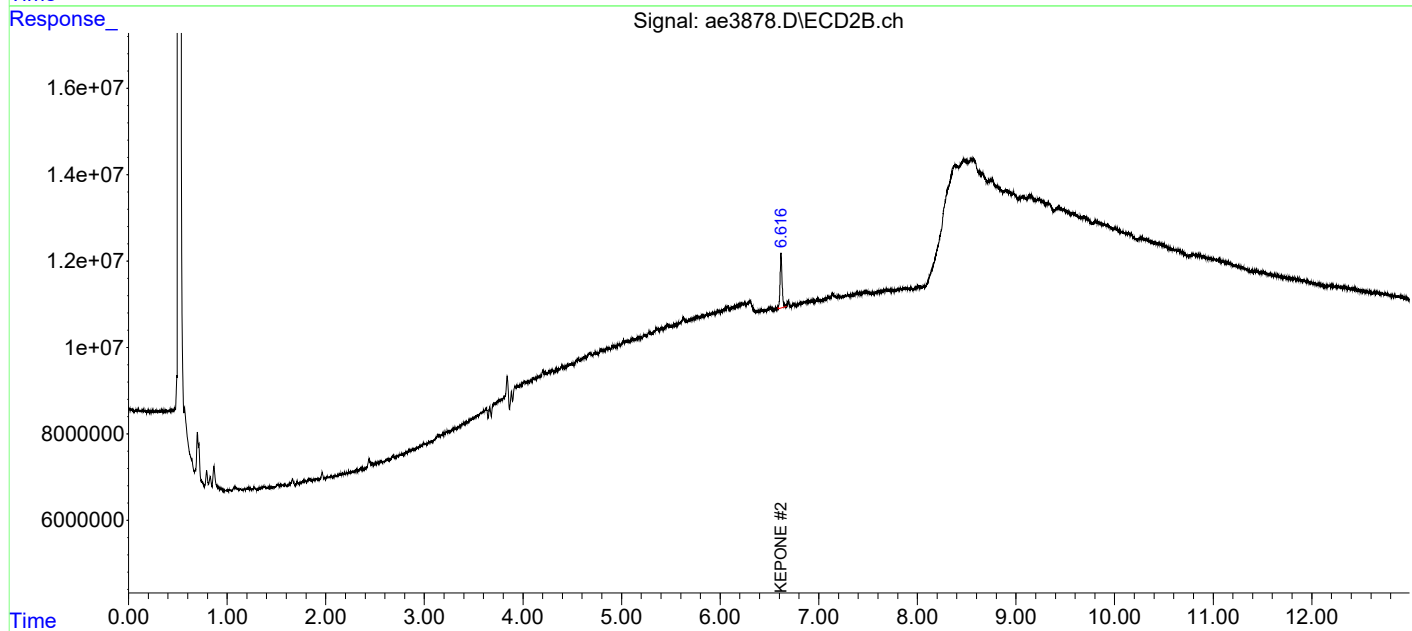
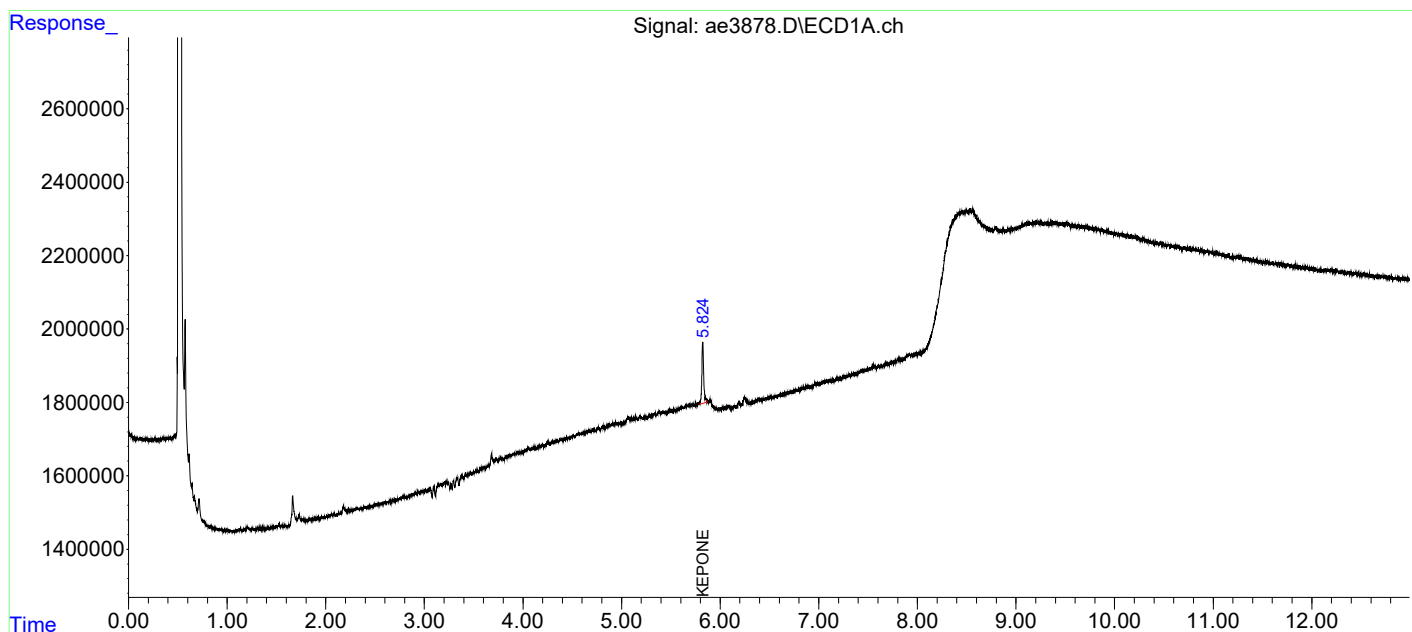
16) tc KEPONE	5.824	6.616	2265608	18583386	0.899m	0.780m
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:17 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 30 12:12:19 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:09:26 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (1):	STX-CLP	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/29/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		10:47
4,4'-DDT % Breakdown (1):	0.3%	Endrin % Breakdown (1):		3.9%
Combined % Breakdown (1):	4.2%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name:	ALS Environmental	Contract:		
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:
GC Column (2):	STX-CLPII	ID: 0.32 (mm)	Initial Calibration Date(s):	03/7/2019
EPA Sample No. (PEM):	PEM	Date Analyzed:		4/29/2019
LAB Sample ID. (PEM):	PEM	Time Analyzed:		10:47
4,4'-DDT % Breakdown (1):	1.4%	Endrin % Breakdown (1):		4.1%
Combined % Breakdown (1):	5.5%			

QC LIMITS:

%D of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%
Combined breakdown must be less than or equal to 30.0%

FORM VII PEST-1

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 10:47 am
 Operator : a.moses
 Sample : pem
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:52:14 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1,Tet...	3.033	3.636	76284791	759.6E6	16.473	16.876
Spiked Amount	100.000	Range	30 - 150	Recovery	= 16.47%#	16.88%#
26) S SURR2,Dec...	8.239	8.773	67041676	595.4E6	14.646	14.759
Spiked Amount	100.000	Range	30 - 150	Recovery	= 14.65%#	14.76%#

Target Compounds

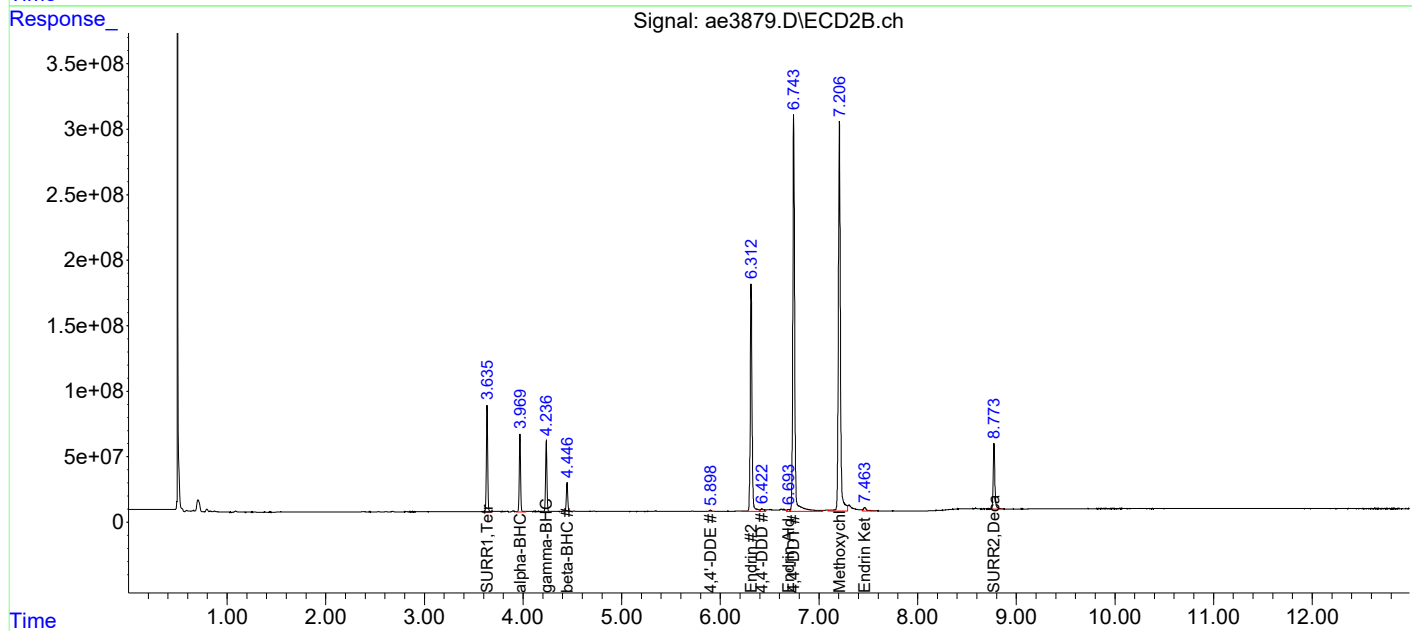
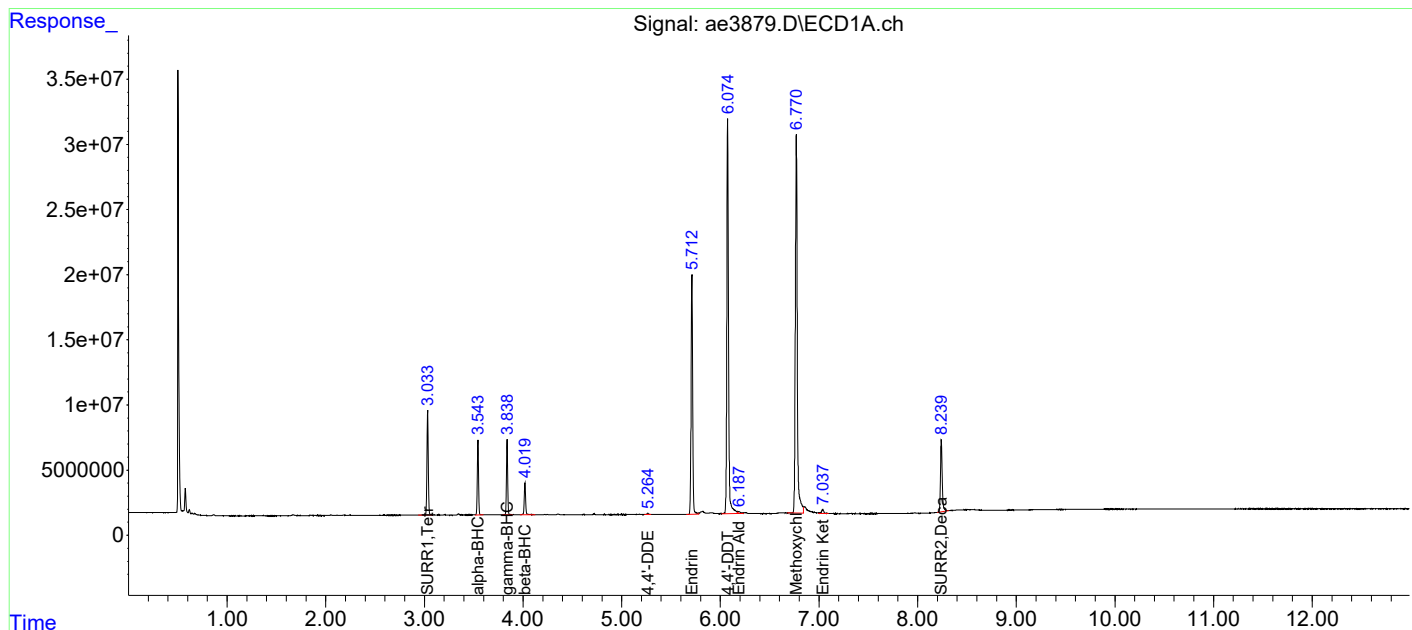
3) tc alpha-BHC	3.543	3.969	50158043	550.6E6	8.009	8.446
4) tcm gamma-BHC (L	3.839	4.236	49005880	516.4E6	8.334	8.712
7) tc beta-BHC	4.020	4.447	24192592	220.7E6	8.948	9.049
13) tc 4,4'-DDE	5.265	5.898	1118633	12631964	0.210	0.243
15) tcm Endrin	5.712	6.312	208.9E6	2211.6E6	40.671	42.270
18) tc 4,4'-DDD	0.000	6.421	0	48505316	N.D.	1.059 #
19) tcm 4,4'-DDT	6.074	6.744	381.1E6	4210.2E6	76.547	84.361
20) tc Endrin Aldehy	6.188	6.693	3488639	25680195	0.776	0.633
22) tc Methoxychlor	6.770	7.206	401.8E6	4463.1E6	146.937	181.412
24) tc Endrin Keton	7.037	7.464	4961704	69176124	0.844	1.299 #
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Dechlorane			0	0	N.D.	N.D.
Average Dechlorane					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 10:47 am
Operator : a.moses
Sample : pem
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:14 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

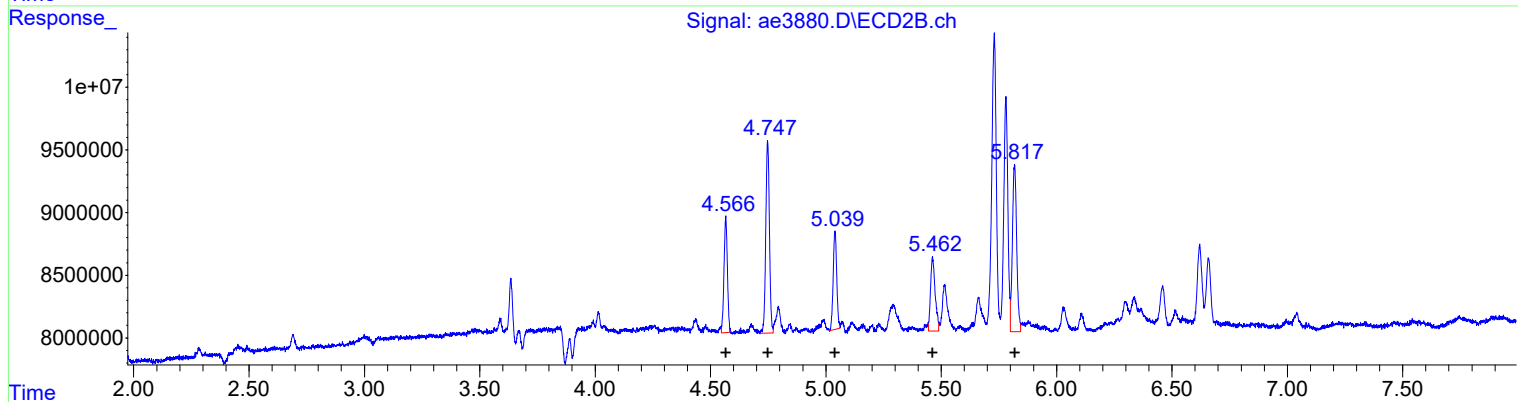
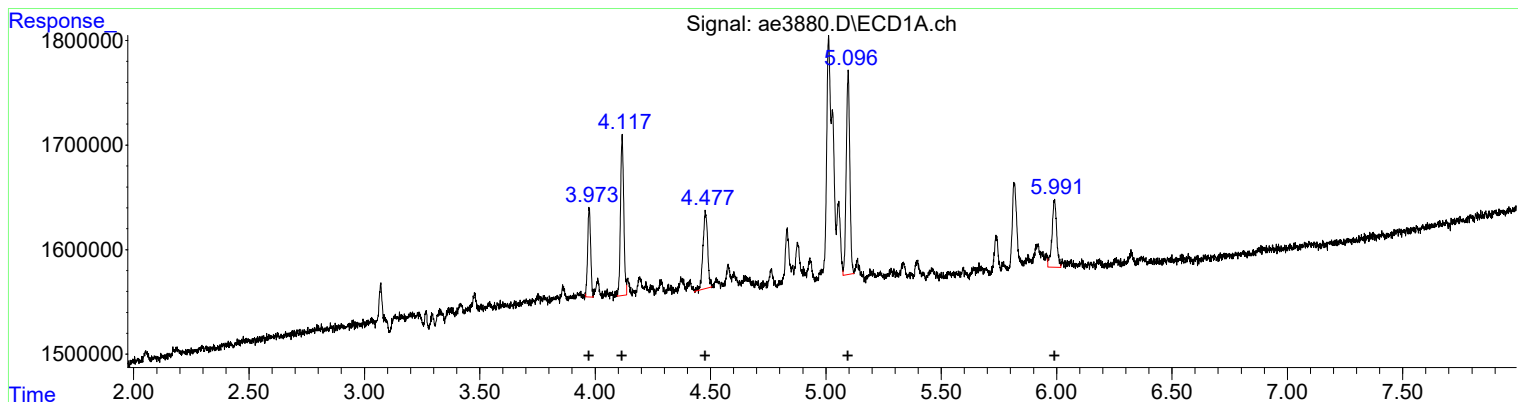
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)			
R.T.	Response	Conc	
3.97	773762	5.89	
4.12	1503289	5.88	
4.48	1034294	6.06	
5.10	2085814	5.39	
5.99	908992	5.80	

(32) Chlordane #2 (L9C)			
R.T.	Response	Conc	
4.57	9338256	5.72	
4.75	16969766	5.78	
5.04	8401225	5.84	
5.46	8112957	5.84	
5.82	17161206	5.54	

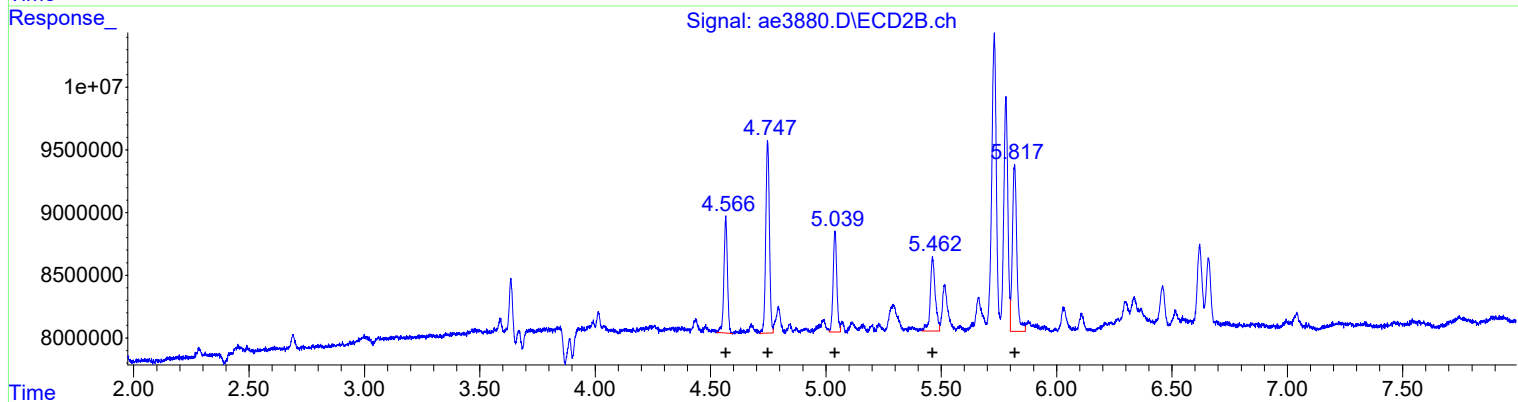
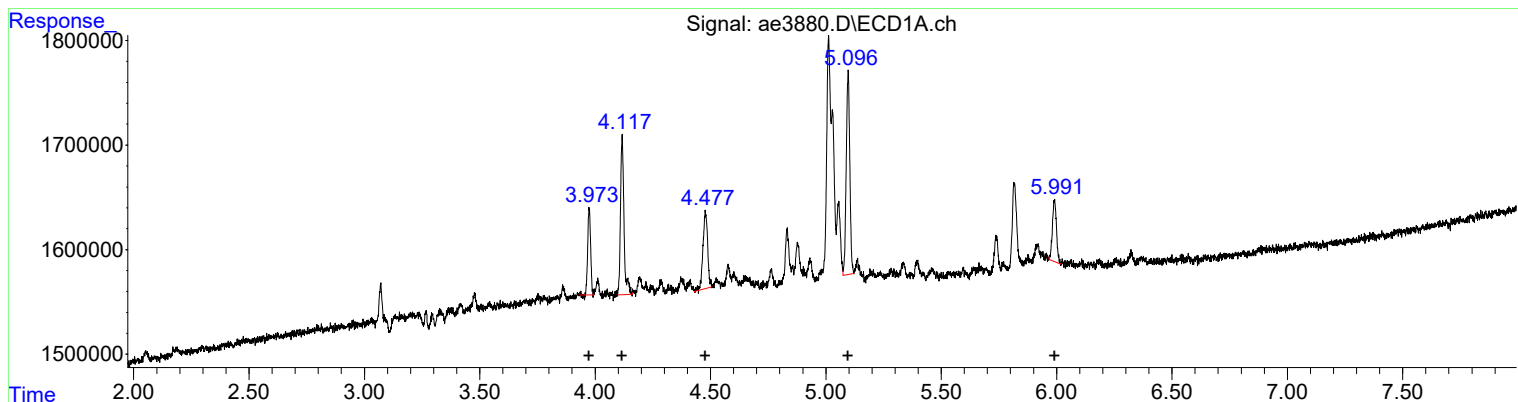
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	728698	5.55
4.12	1592495	6.23
4.48	1034294	6.06
5.10	2085814	5.39
5.99	724120	4.62

Manual Integration:
Before
04/29/19

(32) Chlordane #2 (L9C)

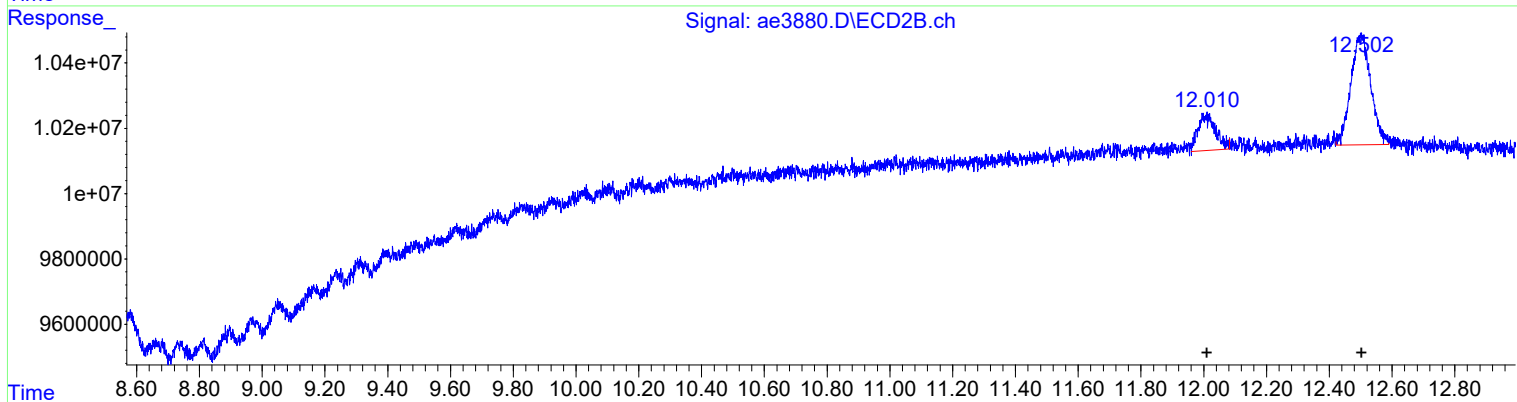
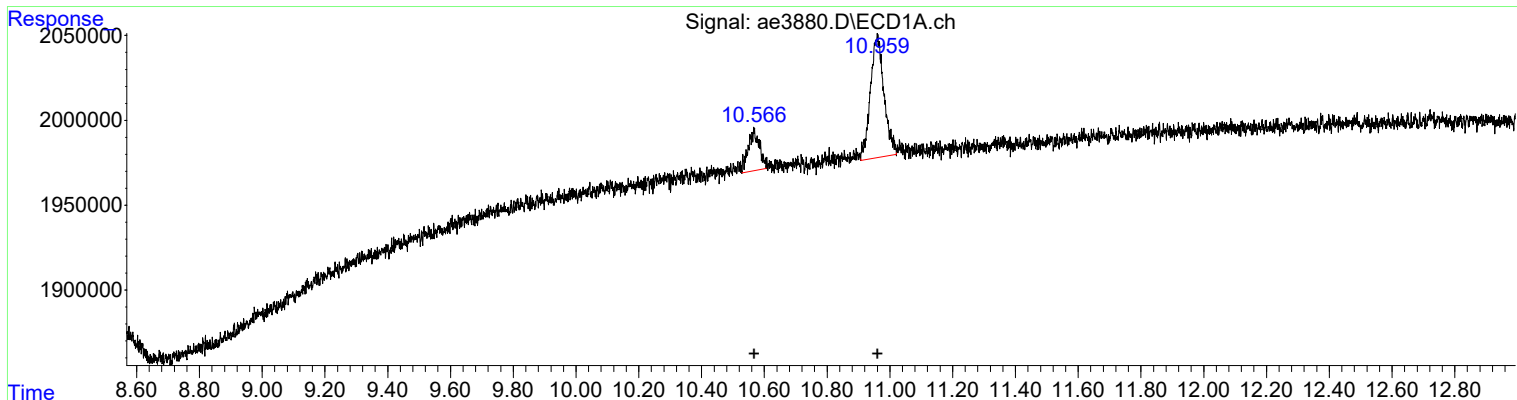
R.T.	Response	Conc
4.57	9823720	6.02
4.75	16969766	5.78
5.04	8962222	6.23
5.46	8948191	6.44
5.82	17840768	5.76

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(37) Dechlorane{1} (L10C)		
R.T.	Response	Conc
10.57	602747	1.09
10.96	2166121	1.10

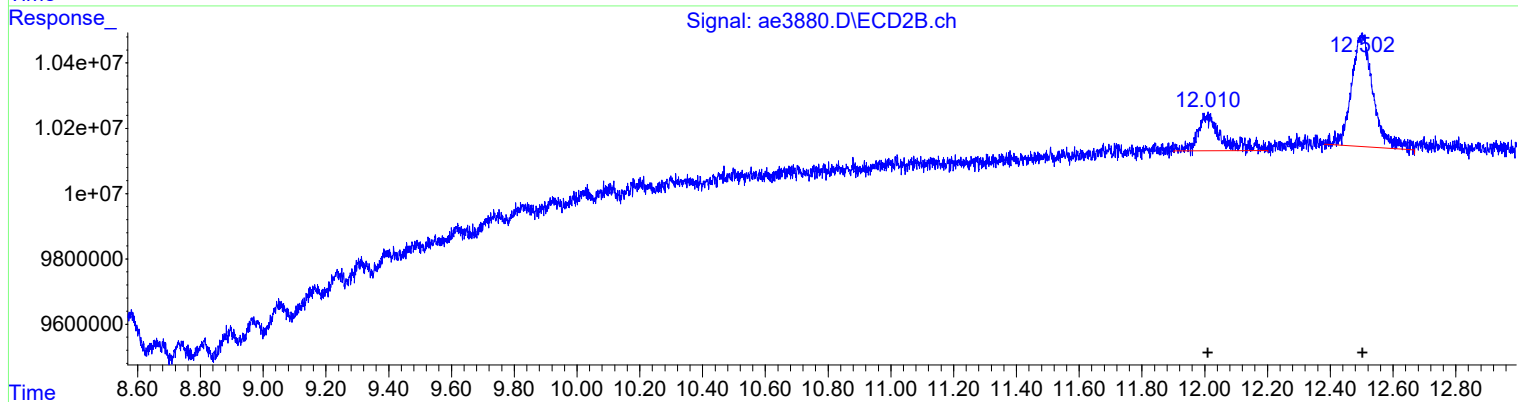
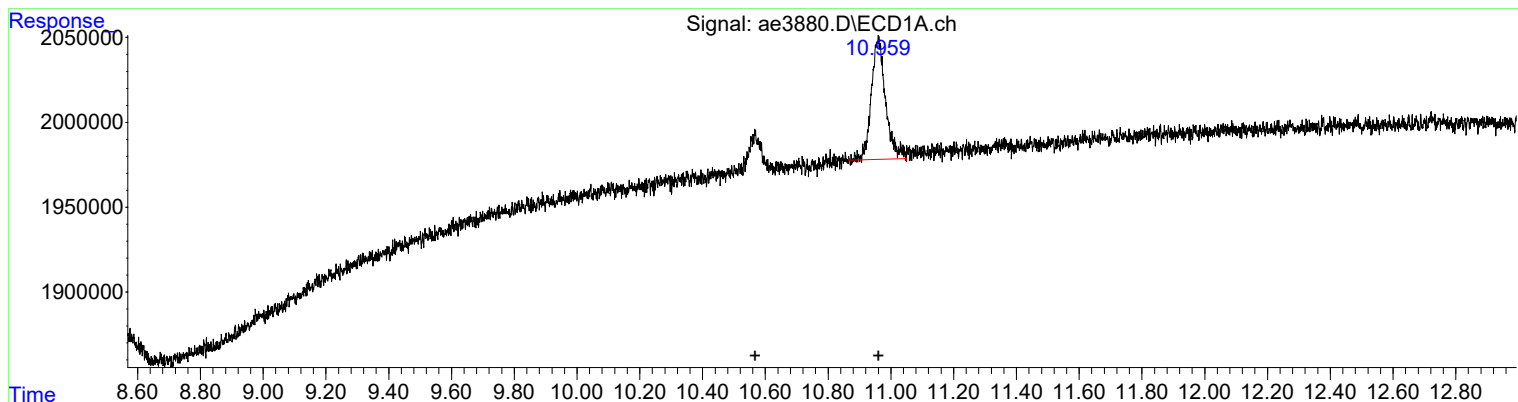
Manual Integration:
After
Poor integration.
04/29/19

(37) Dechlorane{1} #2 (L10C)		
R.T.	Response	Conc
12.01	4281545	1.04
12.50	14969755	1.06

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(37) Dechlorane{1} (L10C)	R.T.	Response	Conc	Manual Integration:
	0.00	0	0.00	Before
	10.96	2257646	1.15	

(37) Dechlorane{1} #2 (L10C)	R.T.	Response	Conc	Manual Integration:
	12.01	5684161	1.38	
	12.50	16401133	1.17	

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:05 am
 Operator : a.moses
 Sample : chlor std 1
 Misc : initial cal.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:00:33 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:00:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

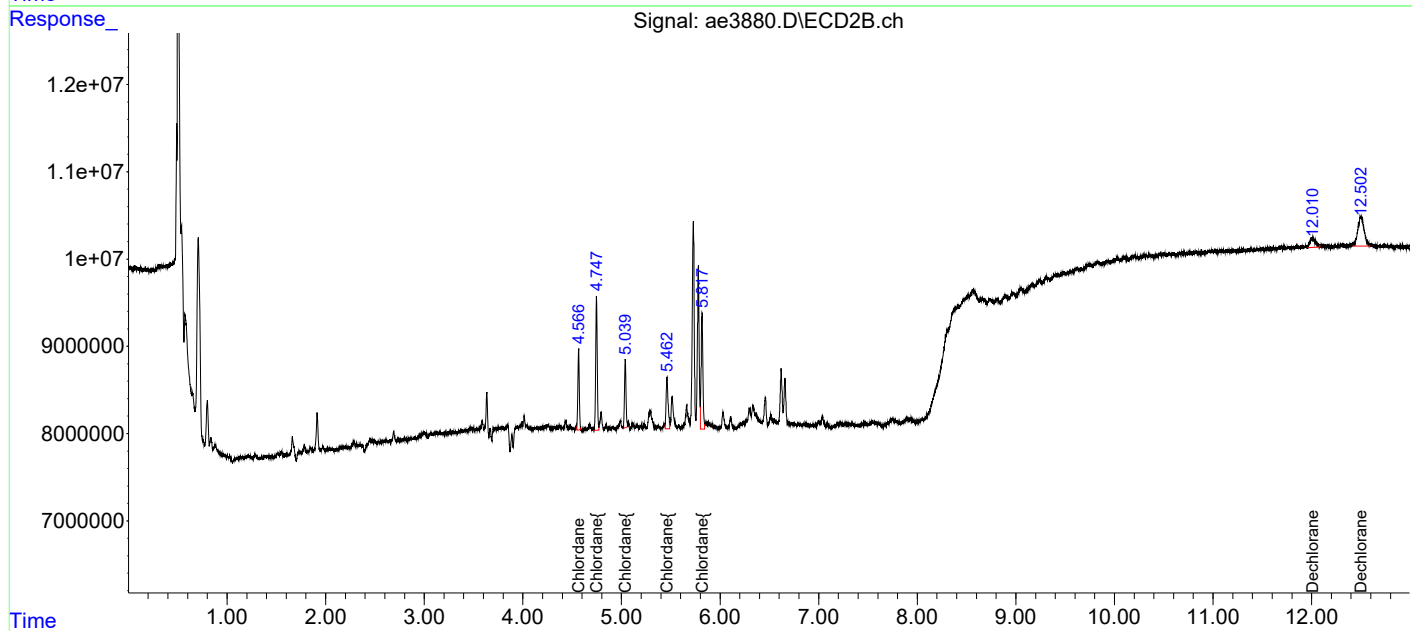
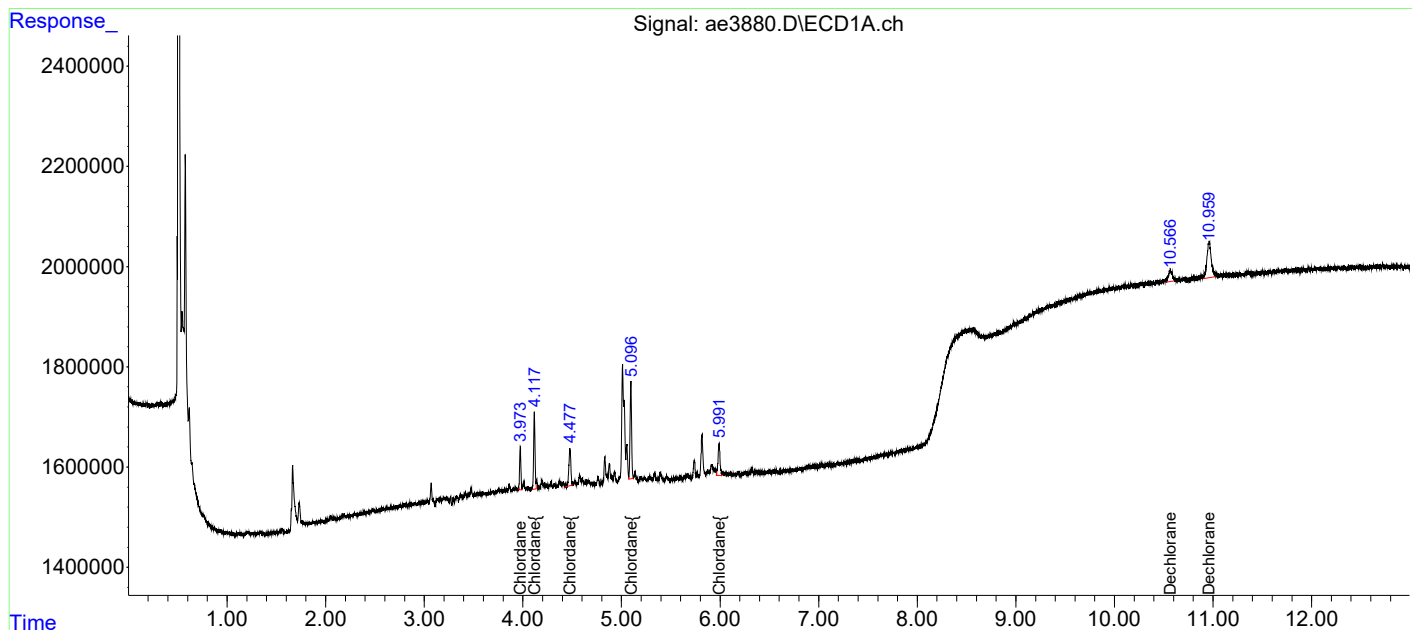
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	773762	9338256	5.890m	5.723m
33) L9C Chlordane{2}	4.117	4.748	1503289	16969766	5.877m	5.781
34) L9C Chlordane{3}	4.478	5.039	1034294	8401225	6.059	5.844m
35) L9C Chlordane{4}	5.097	5.462	2085814	8112957	5.390	5.839m
36) L9C Chlordane{5}	5.991	5.817	908992	17161206	5.797m	5.536m
Sum Chlordane			6306151	59983409	29.013	28.723
Average Chlordane					5.803	5.745
37) L10C Dechloran...	10.566	12.010	602747	4281545	1.088m	1.038m
38) L10C Dechloran...	10.959	12.502	2166121	14969755	1.100m	1.063m
Sum Dechlorane			2768868	19251300	2.189	2.101
Average Dechlorane					1.094	1.051

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:05 am
Operator : a.moses
Sample : chlor std 1
Misc : initial cal.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:00:33 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:00:20 2019
Response via : Initial Calibration
Integrator: ChemStation

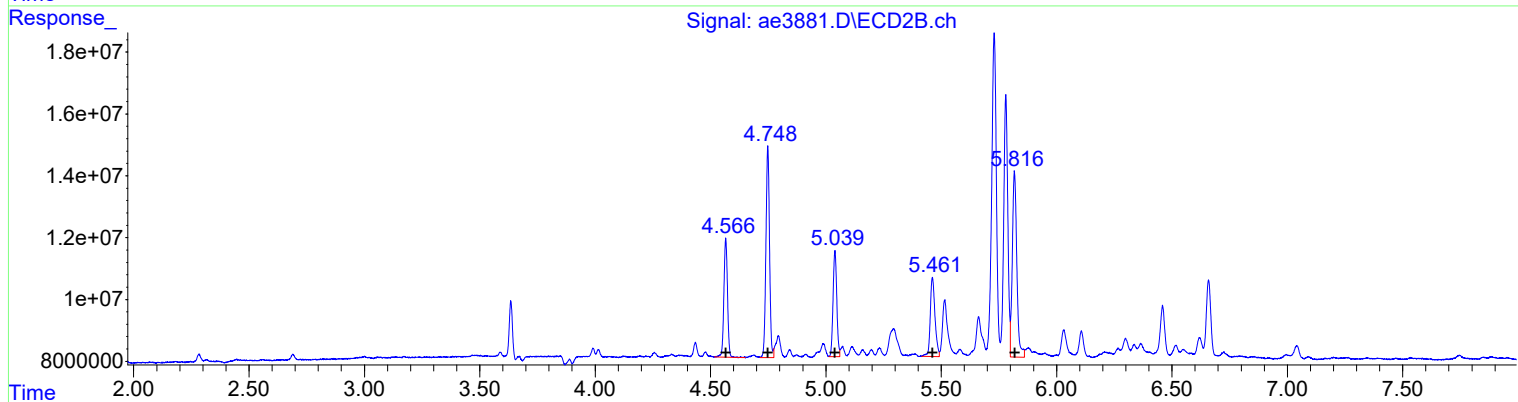
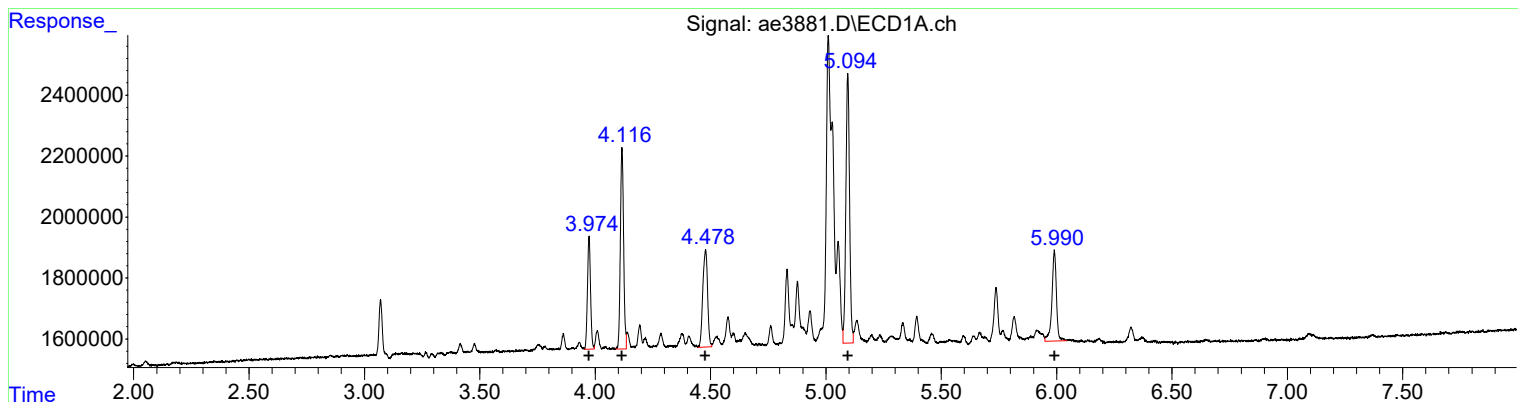
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:22 am
Operator : a.moses
Sample : chlor std 2
Misc : initial cal.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:57 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	3428194	23.33
4.12	6452199	21.90
4.48	4597472	24.14
5.09	9865586	22.33
5.99	4033904	22.85
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	41935835	24.37
4.75	74260686	23.75
5.04	38405152	25.71
5.46	36255677	24.45
5.82	81350730	24.15

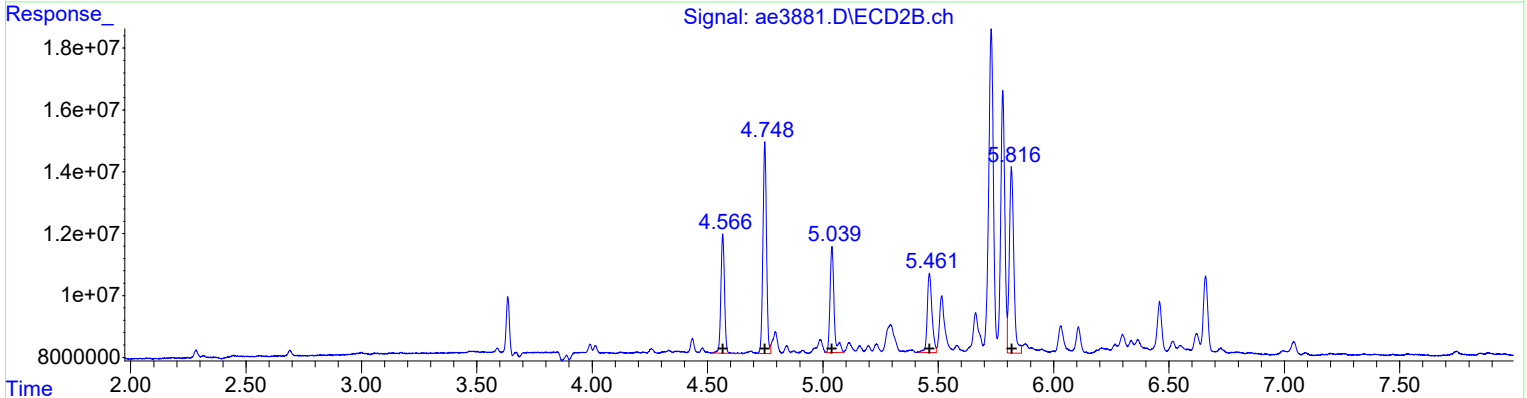
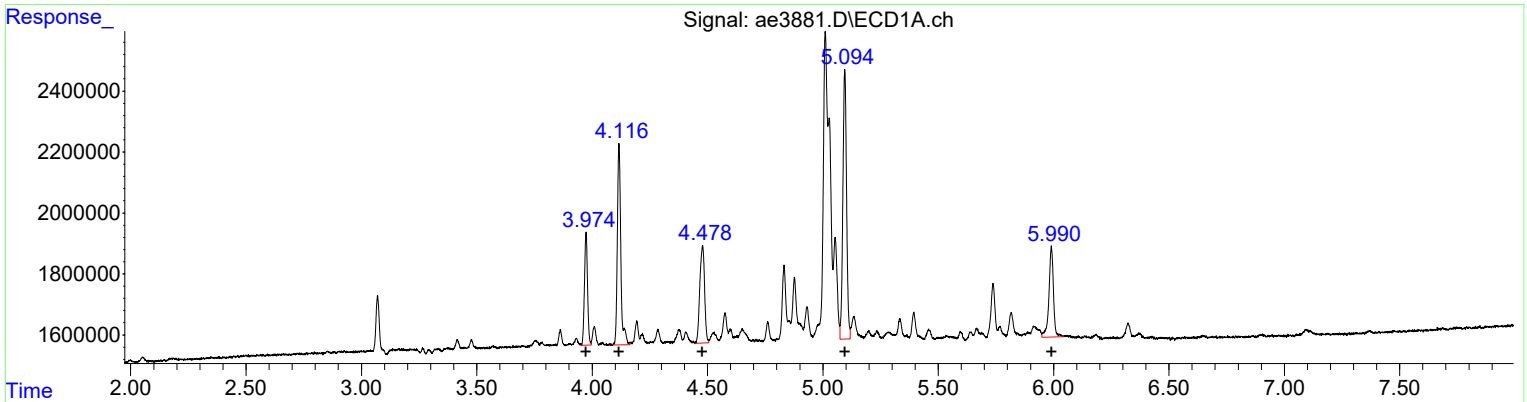
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:22 am
 Operator : a.moses
 Sample : chlor std 2
 Misc : initial cal.
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:52:57 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	3428194	23.33
4.12	6880101	23.36
4.48	4597472	24.14
5.09	9865586	22.33
5.99	4033904	22.85

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	41935835	24.37
4.75	74260686	23.75
5.04	41827707	28.00
5.46	36255677	24.45
5.82	81350730	24.15

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:22 am
 Operator : a.moses
 Sample : chlor std 2
 Misc : initial cal.
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:52:57 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

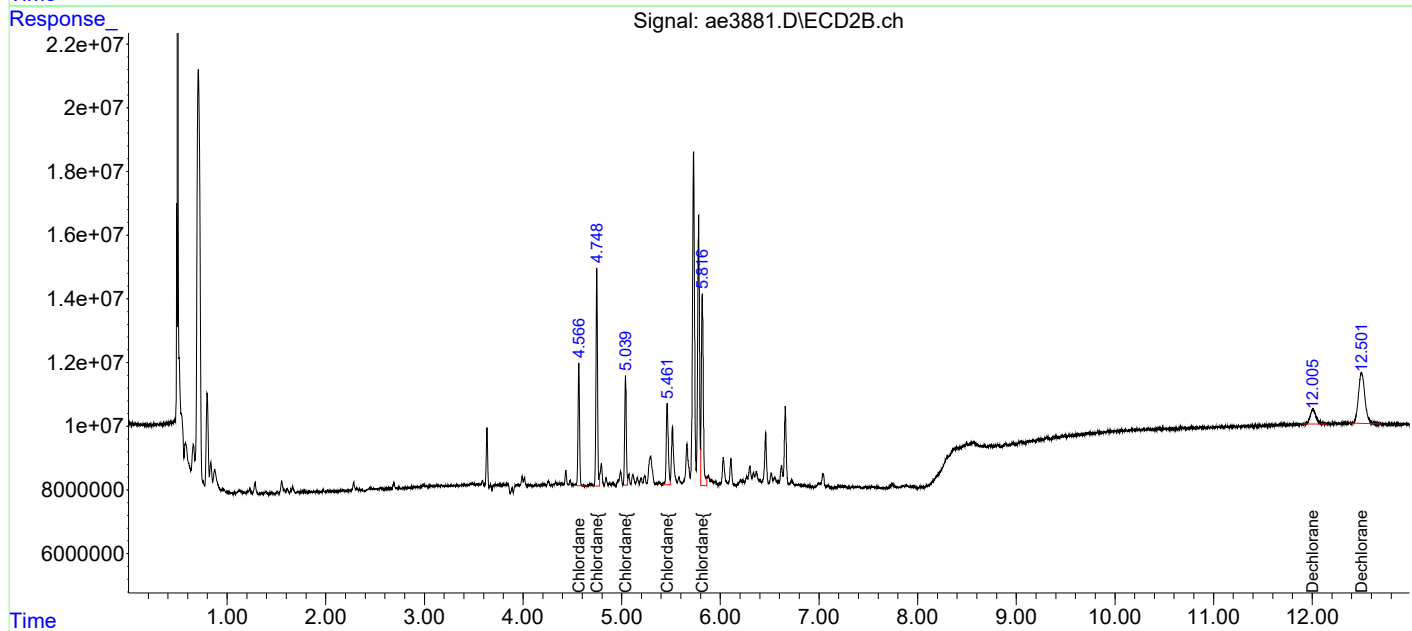
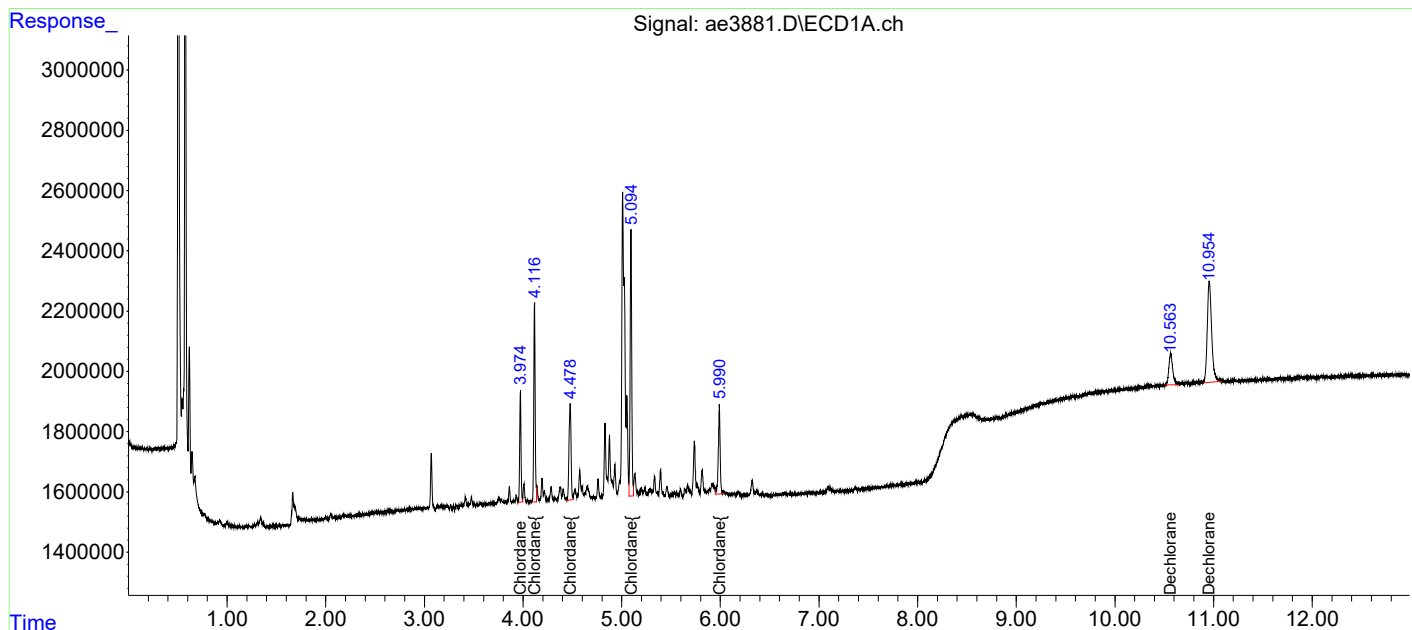
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.974	4.566	3428194	41935835	23.325	24.368
33) L9C Chlordane{2}	4.116	4.748	6452199	74260686	21.903m	23.745
34) L9C Chlordane{3}	4.479	5.039	4597472	38405152	24.143	25.709m
35) L9C Chlordane{4}	5.095	5.462	9865586	36255677	22.329	24.454
36) L9C Chlordane{5}	5.990	5.818	4033904	81350730	22.850	24.153
Sum Chlordane			28377355	272.2E6	114.550	122.429
Average Chlordane					22.910	24.486
37) L10C Dechloran...	10.564	12.007	2859212	19515609	1.191	1.004
38) L10C Dechloran...	10.955	12.499	10492225	72496530	1.394	1.160
Sum Dechlorane			13351437	92012139	2.584	2.164
Average Dechlorane					1.292	1.082

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:22 am
Operator : a.moses
Sample : chlor std 2
Misc : initial cal.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:52:57 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

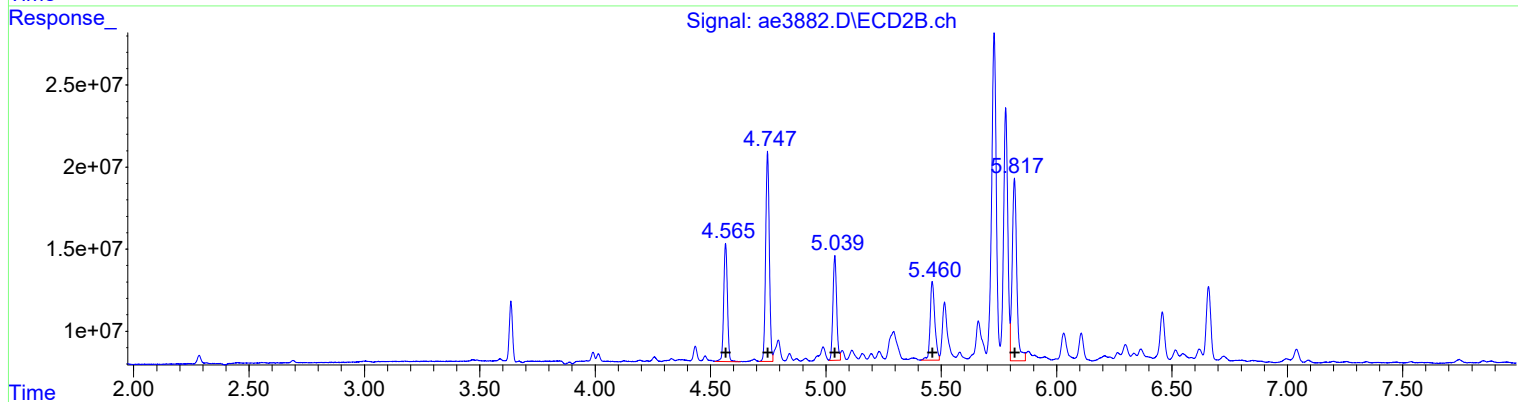
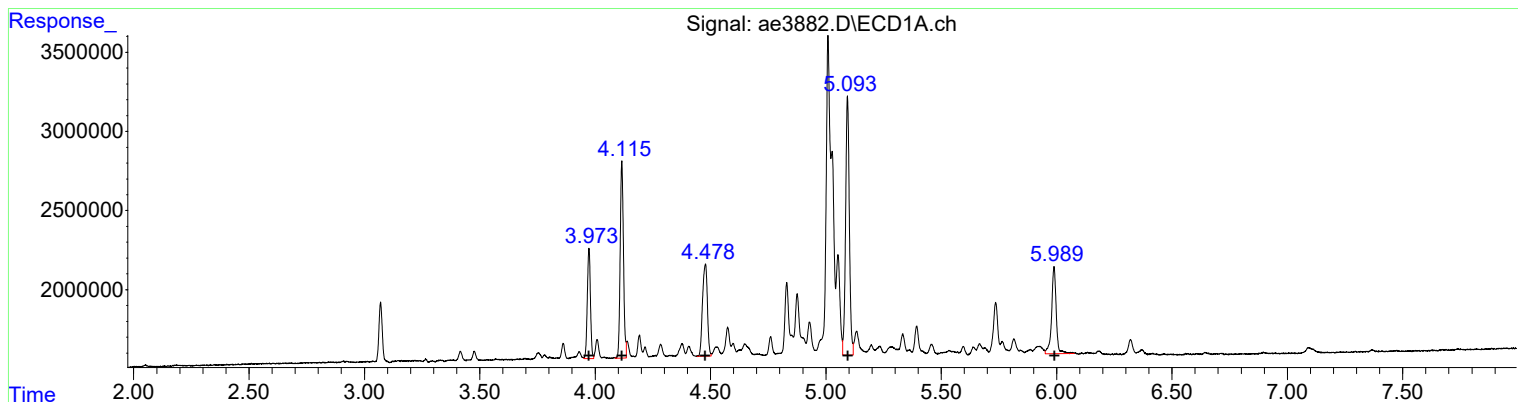
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:40 am
Operator : a.moses
Sample : chlor std 3
Misc : initial cal.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	6551910	44.58
4.12	12270451	41.65
4.48	8484235	44.55
5.09	18527220	41.93
5.99	7586308	42.97

(32) Chlordane #2 (L9C)

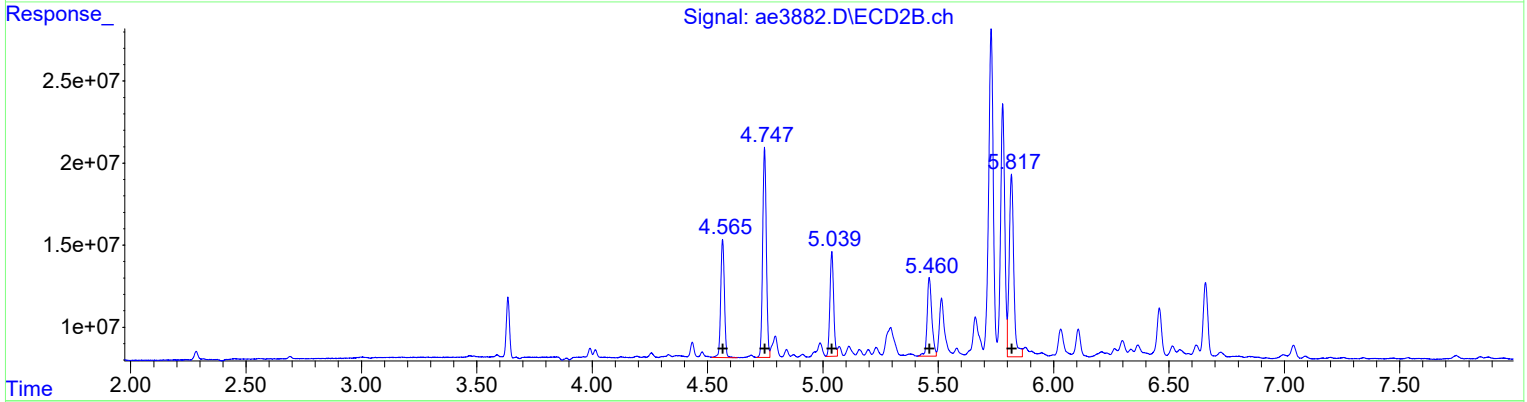
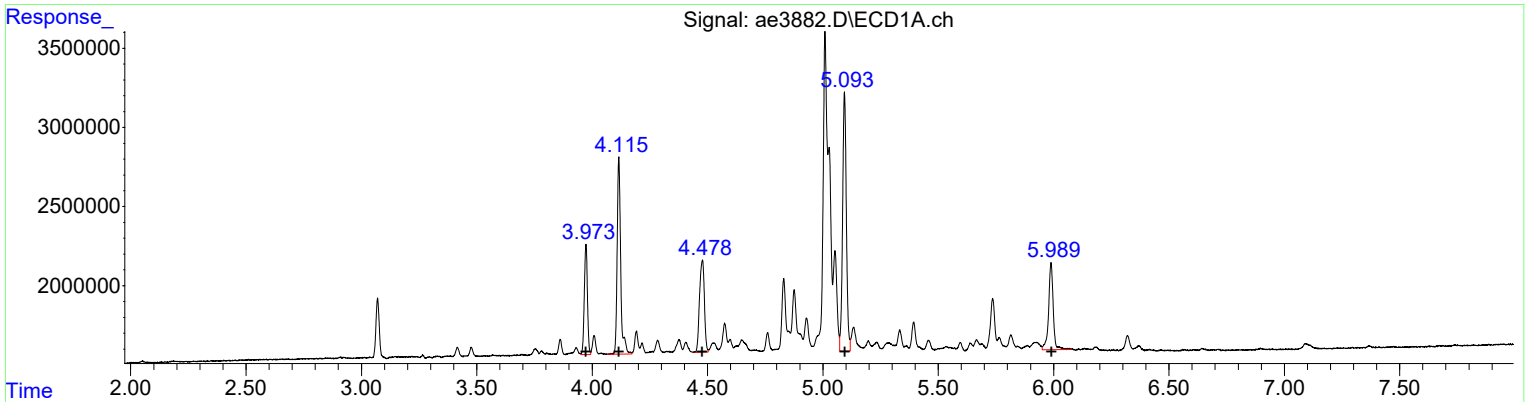
R.T.	Response	Conc
4.57	80247684	46.63
4.75	141848661	45.36
5.04	71889861	48.12
5.46	67693648	45.66
5.82	153081601	45.45

Manual Integration:
After
Poor integration.
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:40 am
 Operator : a.moses
 Sample : chlor std 3
 Misc : initial cal.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	6551910	44.58
4.12	13204987	44.83
4.48	8484235	44.55
5.09	18527220	41.93
5.99	7586308	42.97
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	80247684	46.63
4.75	141848661	45.36
5.04	71889861	48.12
5.46	67693648	45.66
5.82	153081601	45.45

Manual Integration:
 Before
 04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:40 am
 Operator : a.moses
 Sample : chlor std 3
 Misc : initial cal.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:01 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

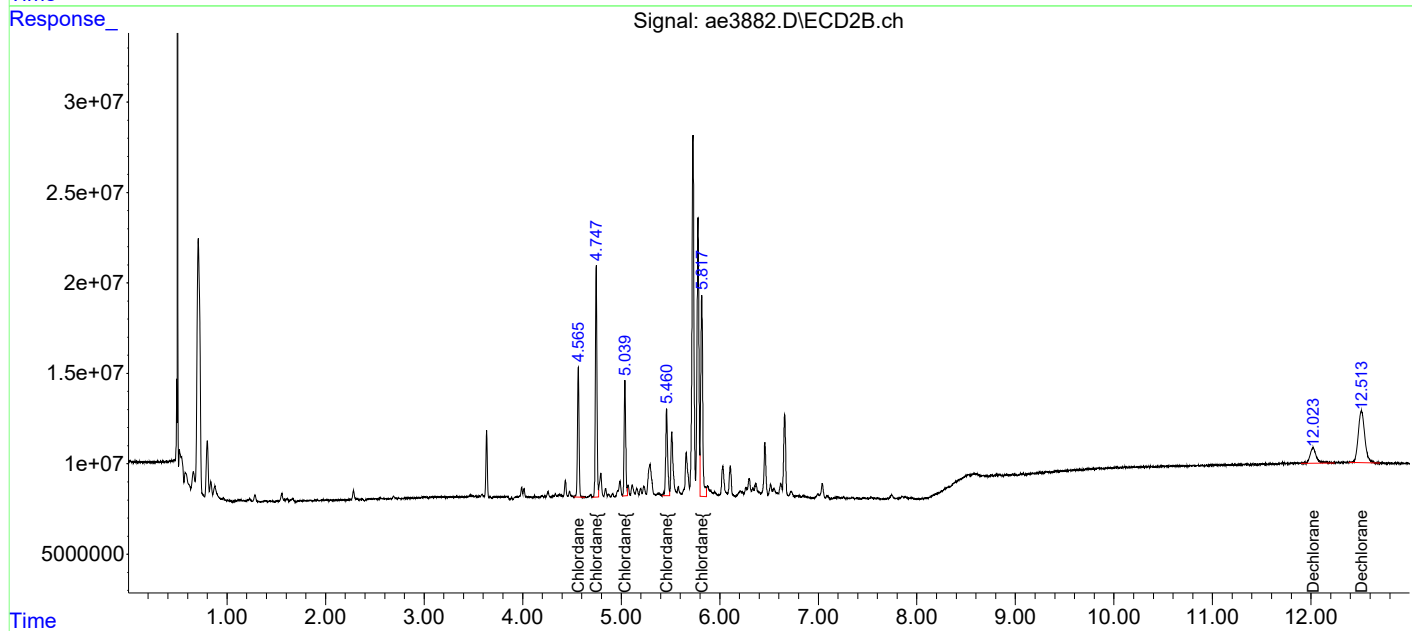
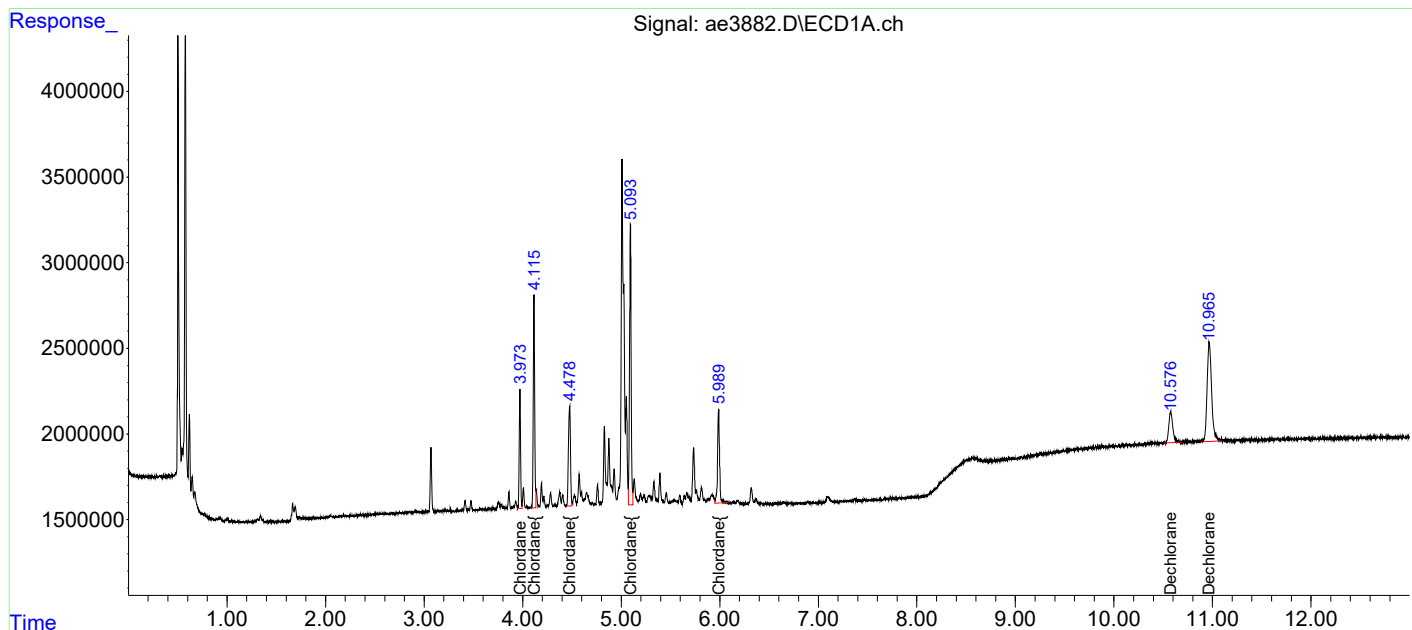
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.565	6551910	80247684	44.579	46.630
33) L9C Chlordane{2}	4.115	4.747	12270451	141.8E6	41.654m	45.357
34) L9C Chlordane{3}	4.478	5.039	8484235	71889861	44.553	48.124
35) L9C Chlordane{4}	5.094	5.461	18527220	67693648	41.933	45.659
36) L9C Chlordane{5}	5.989	5.817	7586308	153.1E6	42.973	45.450
Sum Chlordane			53420125	514.8E6	215.692	231.220
Average Chlordane					43.138	46.244
37) L10C Dechloran...	10.575	12.020	5168020	37305859	5.387	5.409
38) L10C Dechloran...	10.965	12.511	18582269	131.6E6	5.503	5.325
Sum Dechlorane			23750289	168.9E6	10.890	10.735
Average Dechlorane					5.445	5.367

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:40 am
Operator : a.moses
Sample : chlor std 3
Misc : initial cal.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:01 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

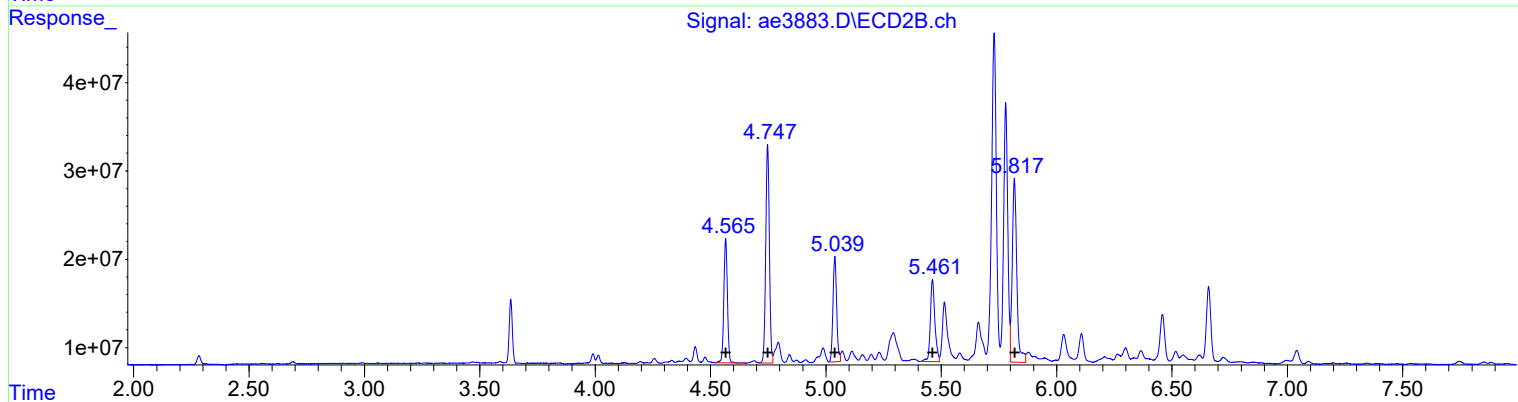
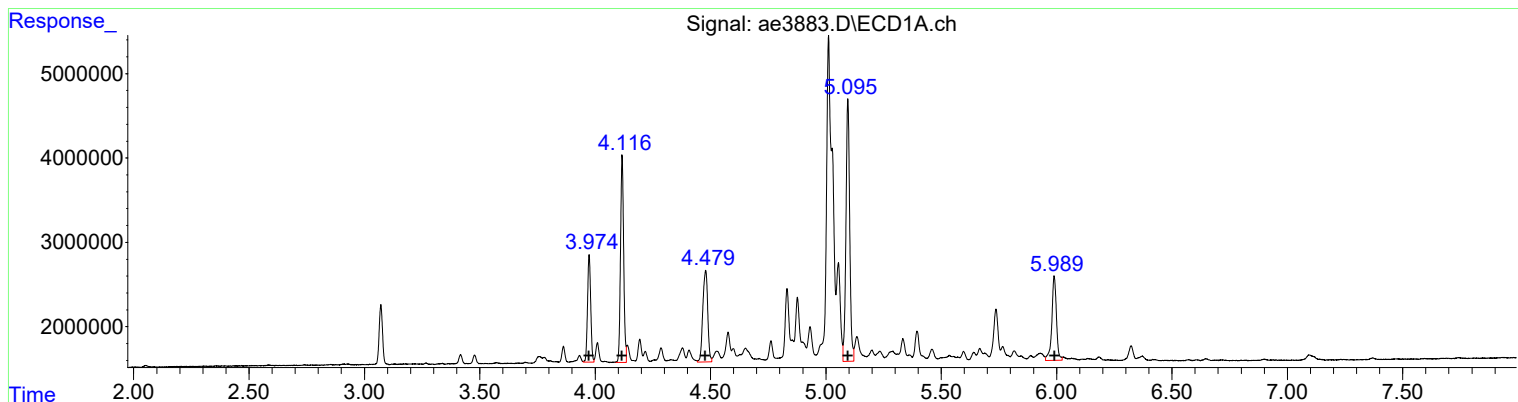
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	12229346	83.21
4.12	23274440	79.01
4.48	16074578	84.41
5.10	35239098	79.76
5.99	13857575	78.50

Manual Integration:
After
Poor integration.
04/29/19

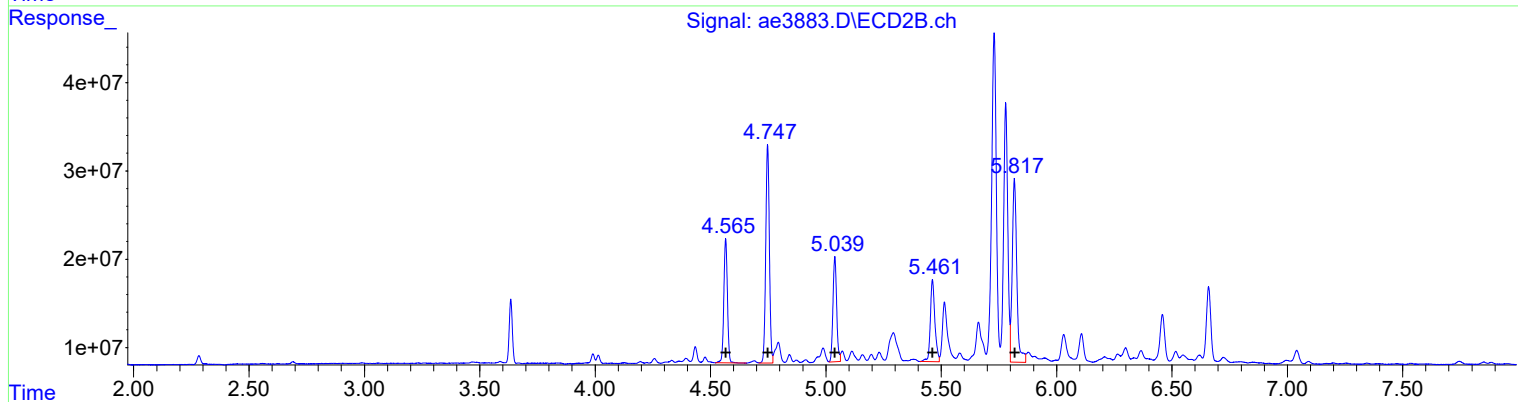
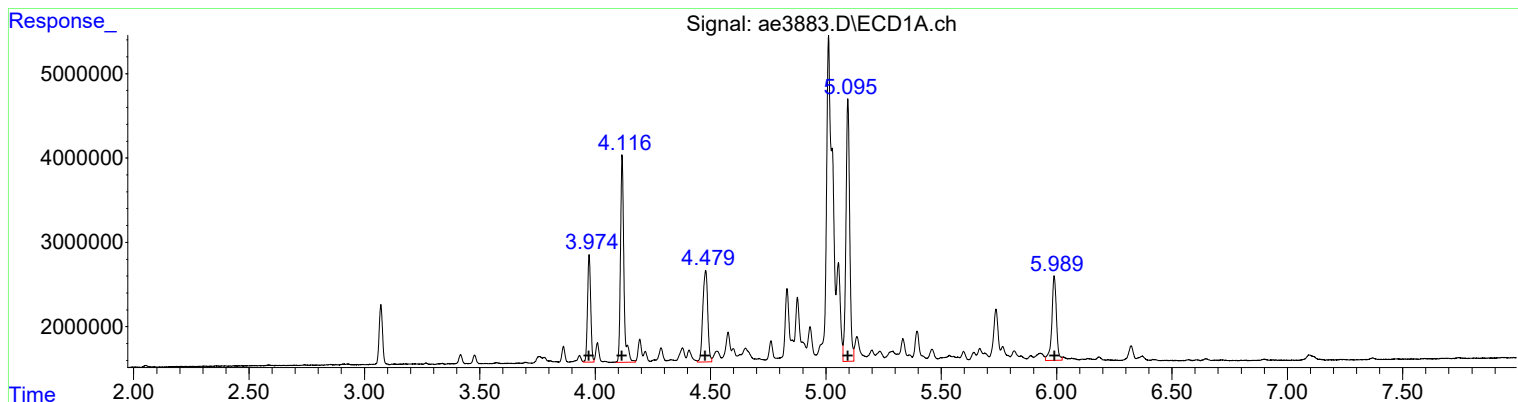
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	152623109	88.68
4.75	271621548	86.85
5.04	132853893	88.93
5.46	127741858	86.16
5.82	286190964	84.97

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	12229346	83.21
4.12	25169164	85.44
4.48	16074578	84.41
5.10	35239098	79.76
5.99	13857575	78.50

Manual Integration:
Before
04/29/19

(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	152623109	88.68
4.75	271621548	86.85
5.04	132853893	88.93
5.46	127741858	86.16
5.82	286190964	84.97

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 11:58 am
 Operator : a.moses
 Sample : chlor std 4
 Misc : initial cal.
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:05 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

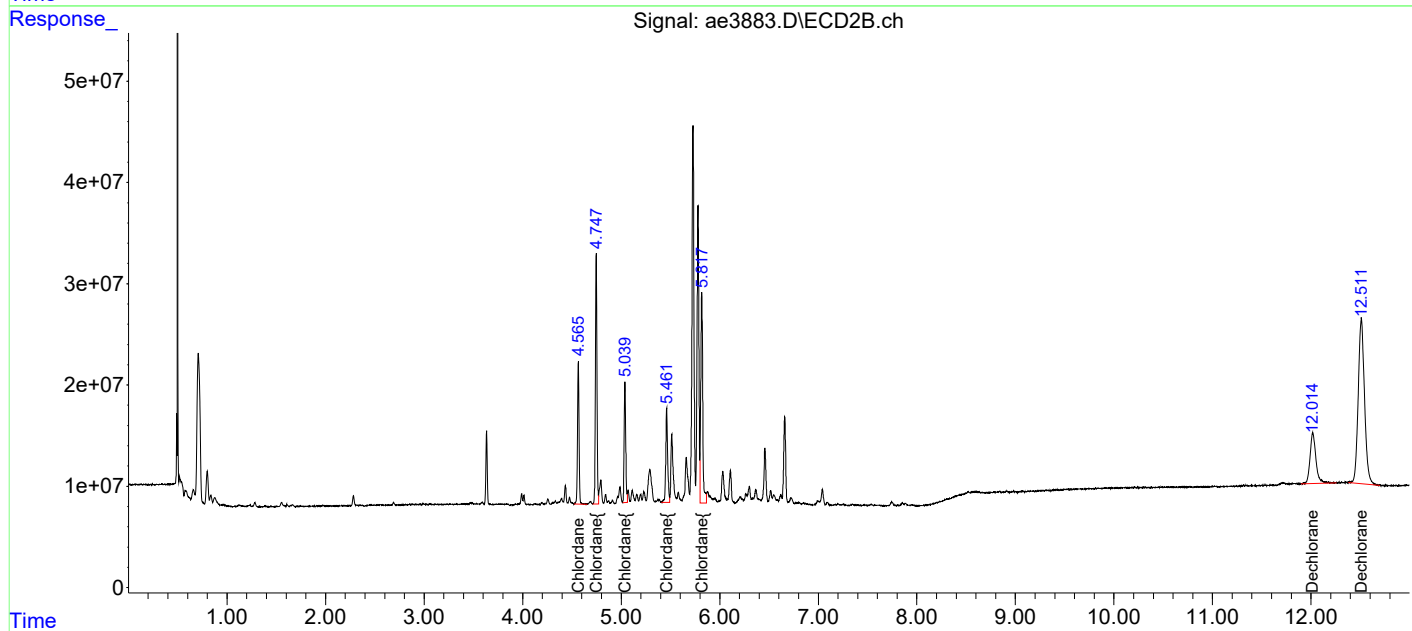
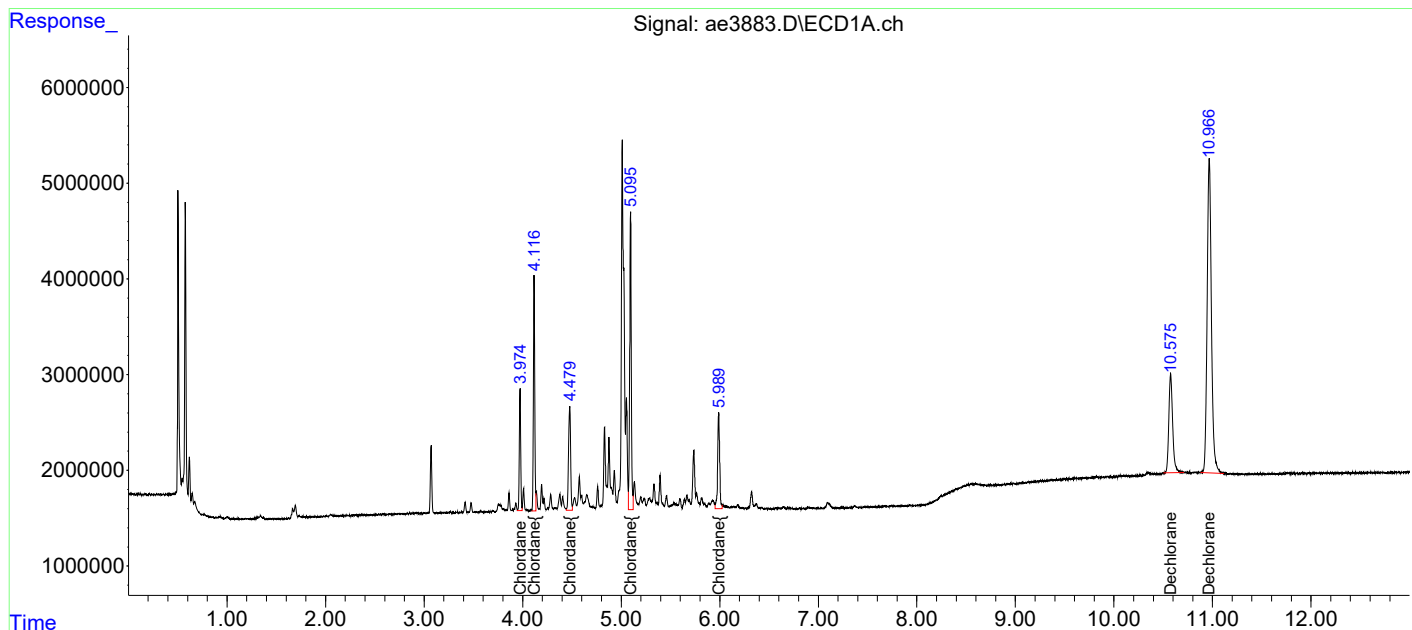
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.974	4.566	12229346	152.6E6	83.208	88.685
33) L9C Chlordane{2}	4.116	4.748	23274440	271.6E6	79.010m	86.853
34) L9C Chlordane{3}	4.479	5.039	16074578	132.9E6	84.412	88.934
35) L9C Chlordane{4}	5.095	5.462	35239098	127.7E6	79.757	86.161
36) L9C Chlordane{5}	5.989	5.817	13857575	286.2E6	78.497	84.970
Sum Chlordane			100.7E6	971.0E6	404.883	435.603
Average Chlordane					80.977	87.121
37) L10C Dechloran...	10.575	12.017	28000734	205.1E6	49.205	49.503
38) L10C Dechloran...	10.967	12.510	99418265	720.1E6	48.951	49.226
Sum Dechlorane			127.4E6	925.2E6	98.155	98.729
Average Dechlorane					49.078	49.364

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 11:58 am
Operator : a.moses
Sample : chlor std 4
Misc : initial cal.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:05 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

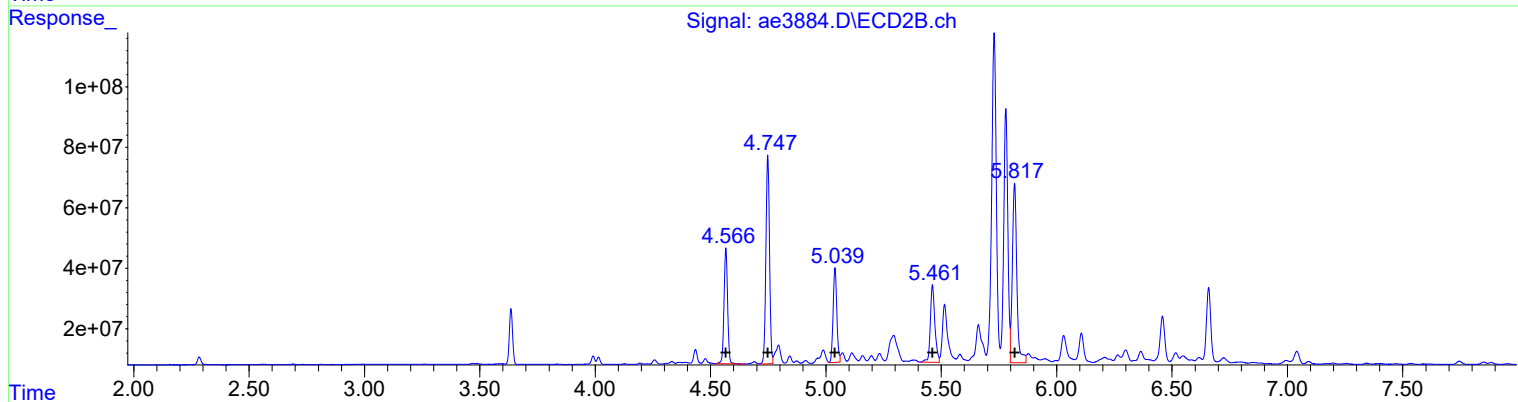
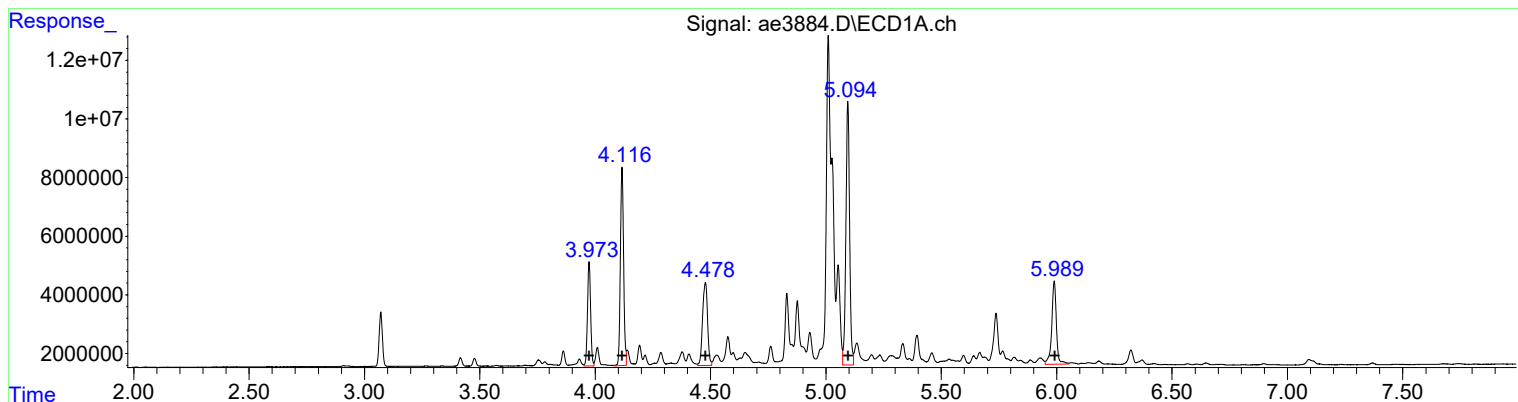
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:16 pm
Operator : a.moses
Sample : chlor std 5
Misc : initial cal.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	33442522	227.54
4.12	65642761	222.84
4.48	42454429	222.94
5.09	100314005	227.04
5.99	39612407	224.39

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	412927077	239.94
4.75	753115991	240.82
5.04	349268388	233.80
5.46	350168419	236.19
5.82	802133112	238.15

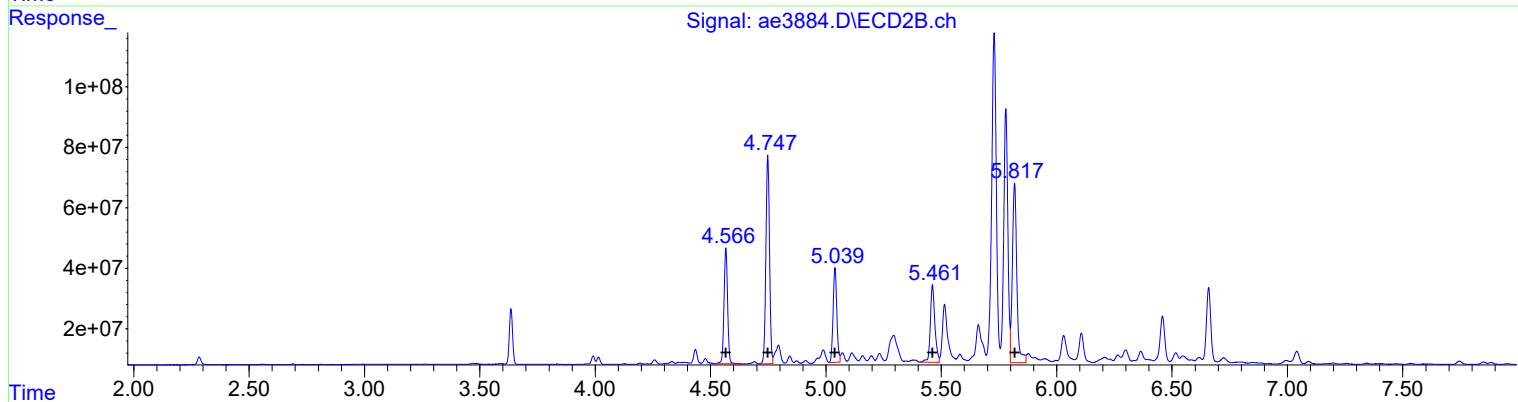
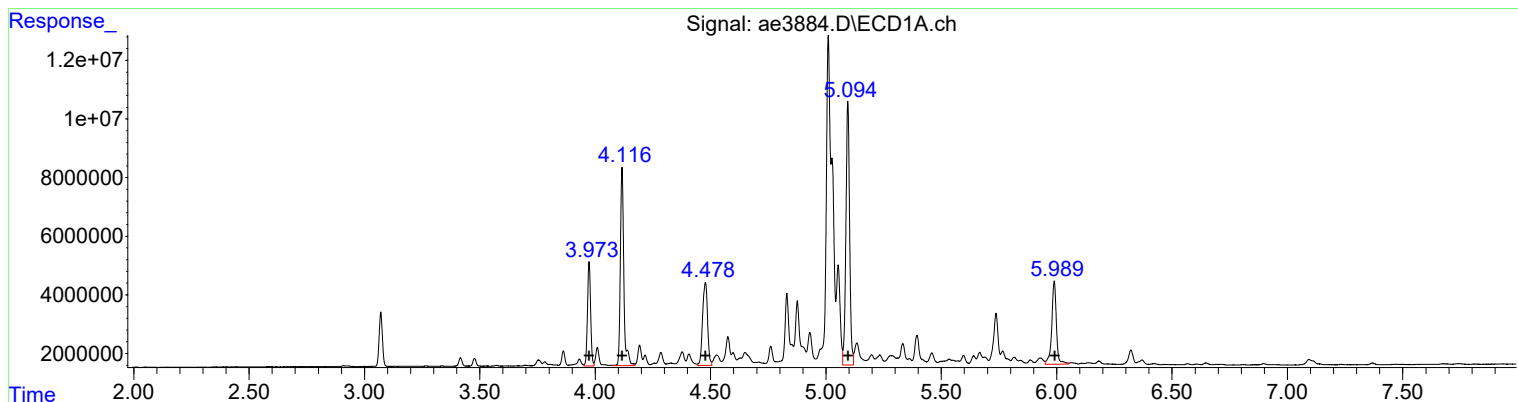
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:16 pm
 Operator : a.moses
 Sample : chlor std 5
 Misc : initial cal.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	33442522	227.54
4.12	70810135	240.38
4.48	42454429	222.94
5.09	100314005	227.04
5.99	39612407	224.39
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	412927077	239.94
4.75	753115991	240.82
5.04	349268388	233.80
5.46	350168419	236.19
5.82	802133112	238.15

Manual Integration:
 Before
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:16 pm
 Operator : a.moses
 Sample : chlor std 5
 Misc : initial cal.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:09 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

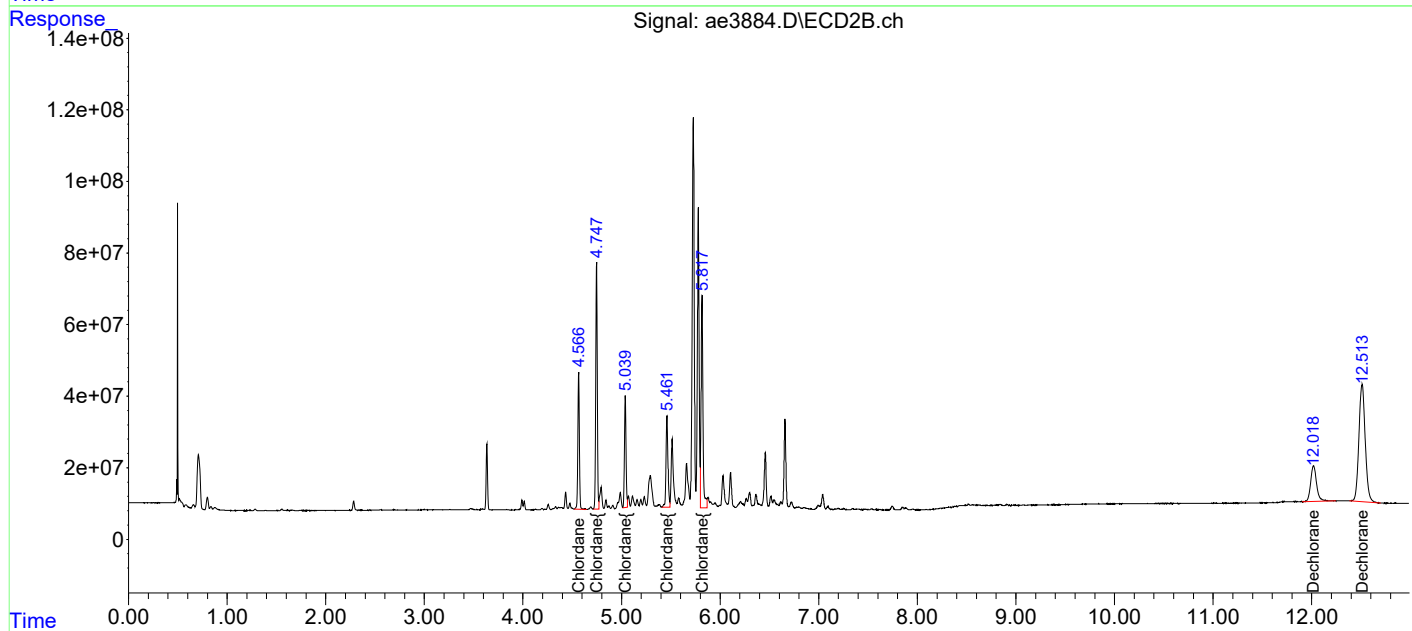
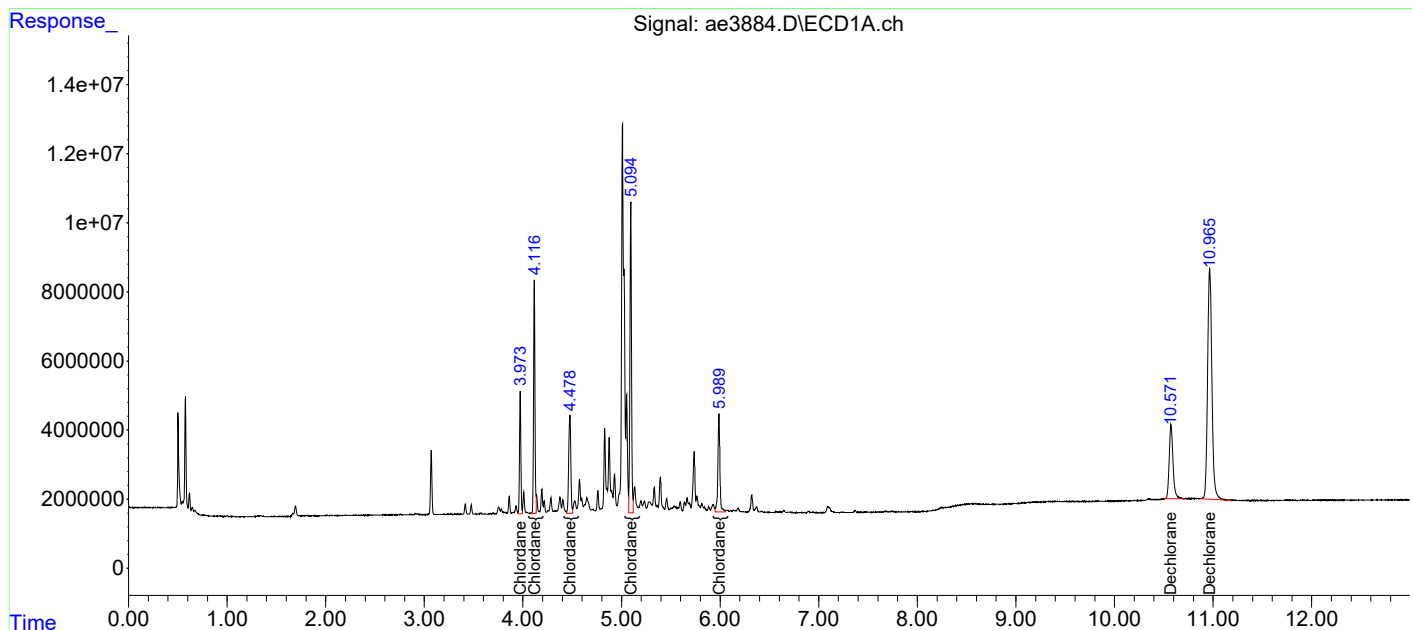
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.566	33442522	412.9E6	227.541	239.940
33) L9C Chlordane{2}	4.116	4.748	65642761	753.1E6	222.837m	240.815
34) L9C Chlordane{3}	4.478	5.039	42454429	349.3E6	222.939	233.803
35) L9C Chlordane{4}	5.095	5.462	100.3E6	350.2E6	227.040	236.187
36) L9C Chlordane{5}	5.989	5.817	39612407	802.1E6	224.386	238.153
Sum Chlordane			281.5E6	2667.6E6	1124.744	1188.899
Average Chlordane					224.949	237.780
37) L10C Dechloran...	10.571	12.018	57585262	415.0E6	114.205	113.323
38) L10C Dechloran...	10.964	12.511	202.9E6	1463.2E6	112.968	113.075
Sum Dechlorane			260.5E6	1878.2E6	227.174	226.398
Average Dechlorane					113.587	113.199

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:16 pm
Operator : a.moses
Sample : chlor std 5
Misc : initial cal.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:09 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

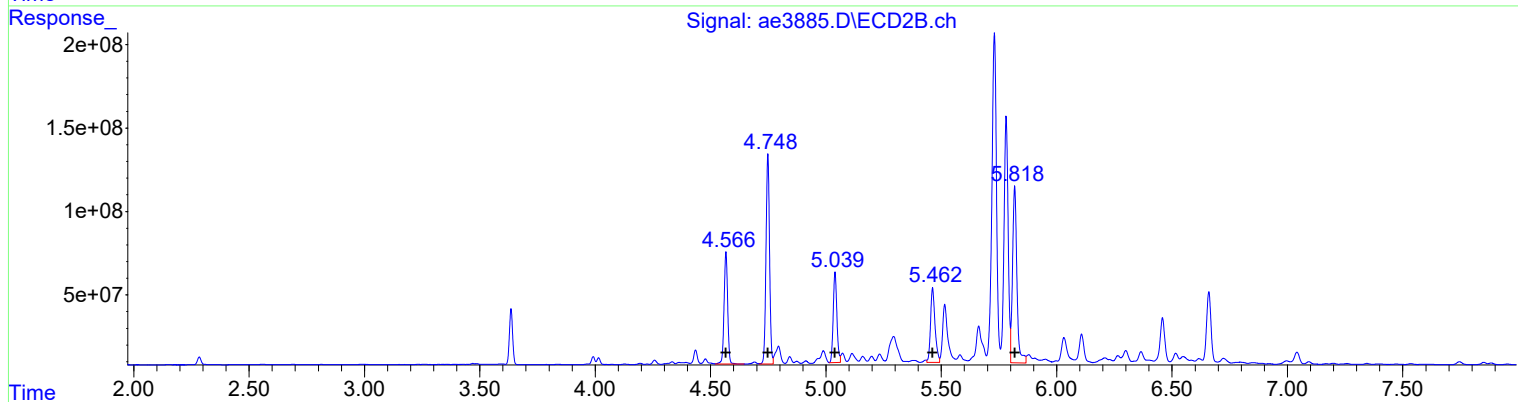
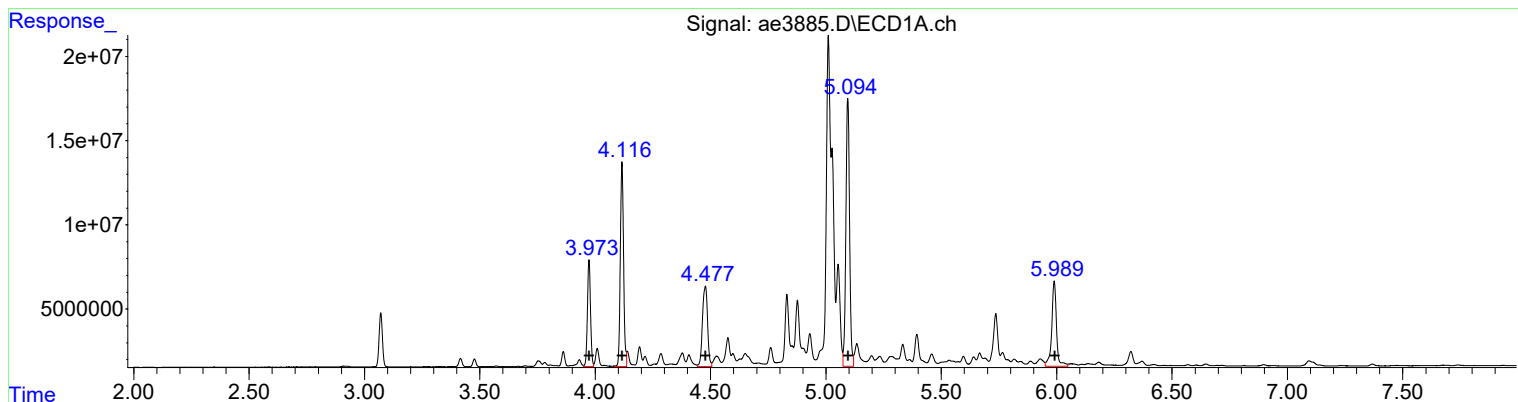
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	59134470	402.35
4.12	118817245	403.35
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

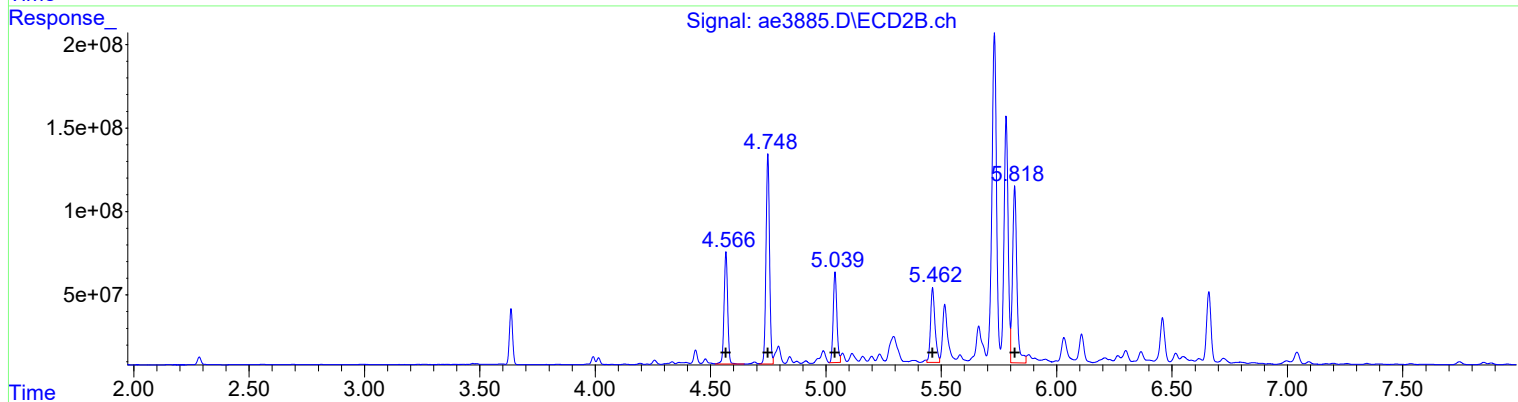
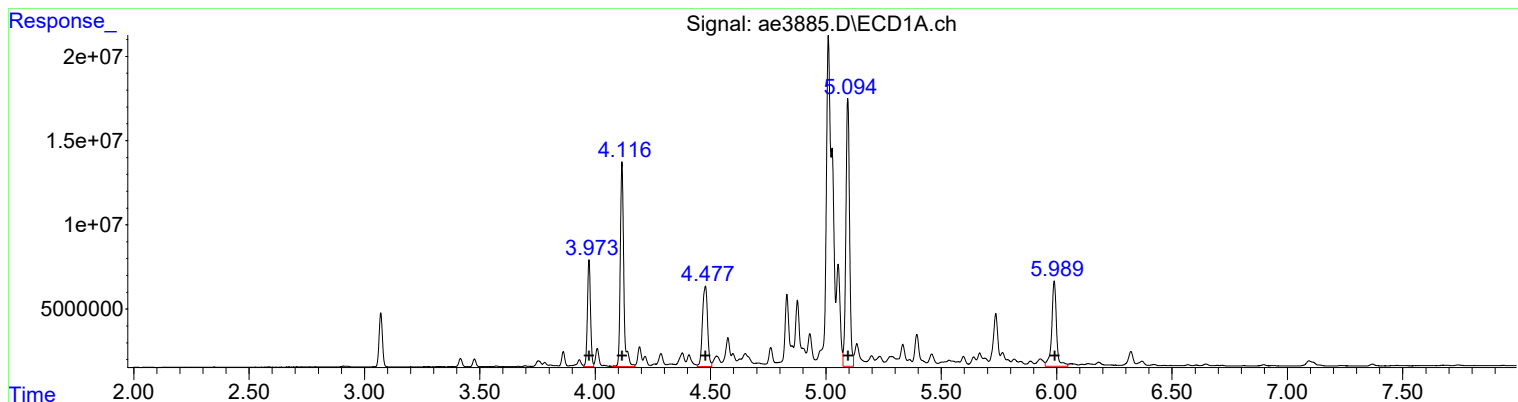
Manual Integration:
After
Poor integration.
04/29/19

(+) = Expected Retention Time

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	59134470	402.35
4.12	126750667	430.28
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

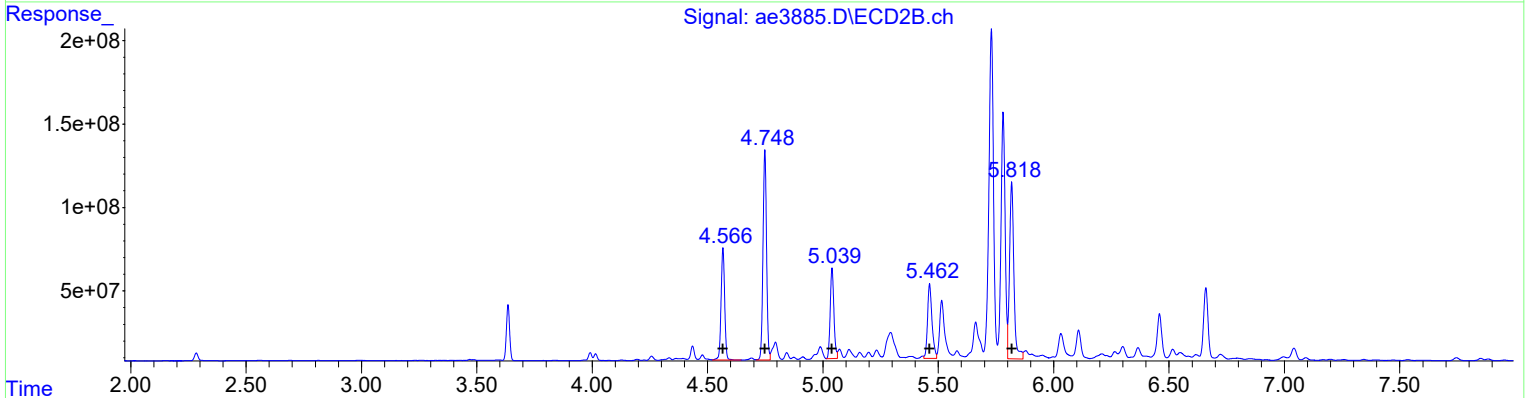
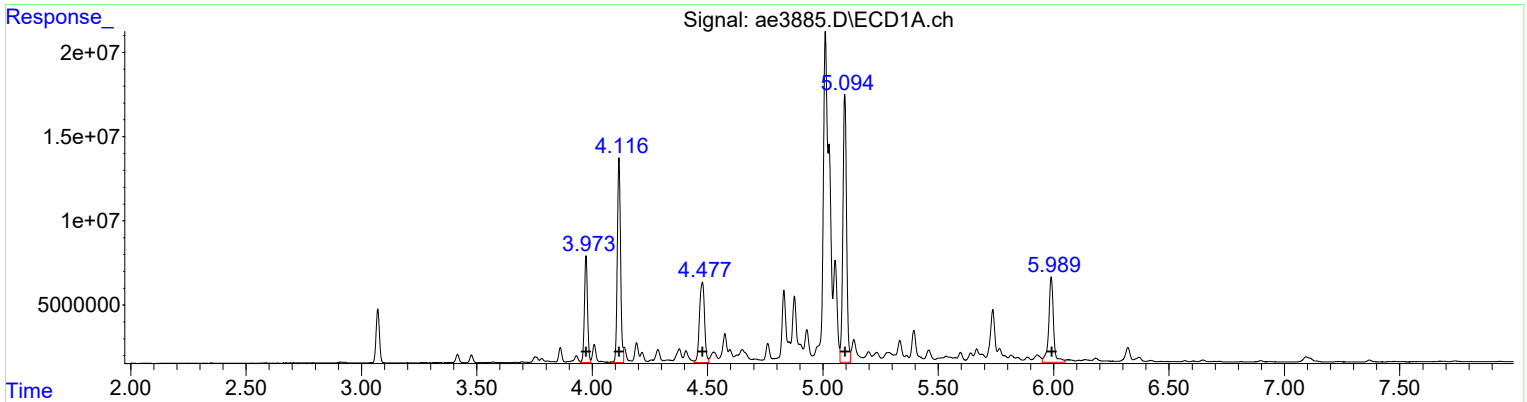
(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

Manual Integration:
Before
04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:33 pm
 Operator : a.moses
 Sample : chlor std 6
 Misc : initial cal.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:13 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	59134470	402.35
4.12	118817245	403.35
4.48	73299601	384.92
5.09	177558993	401.87
5.99	72387881	410.04

(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	724949261	421.25
4.75	1342017049	429.12
5.04	598263838	400.48
5.46	603862100	407.30
5.82	1396038482	414.48

Manual Integration:
 After
 Poor integration.
 04/29/19

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:33 pm
 Operator : a.moses
 Sample : chlor std 6
 Misc : initial cal.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 13:53:13 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 10:10:40 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

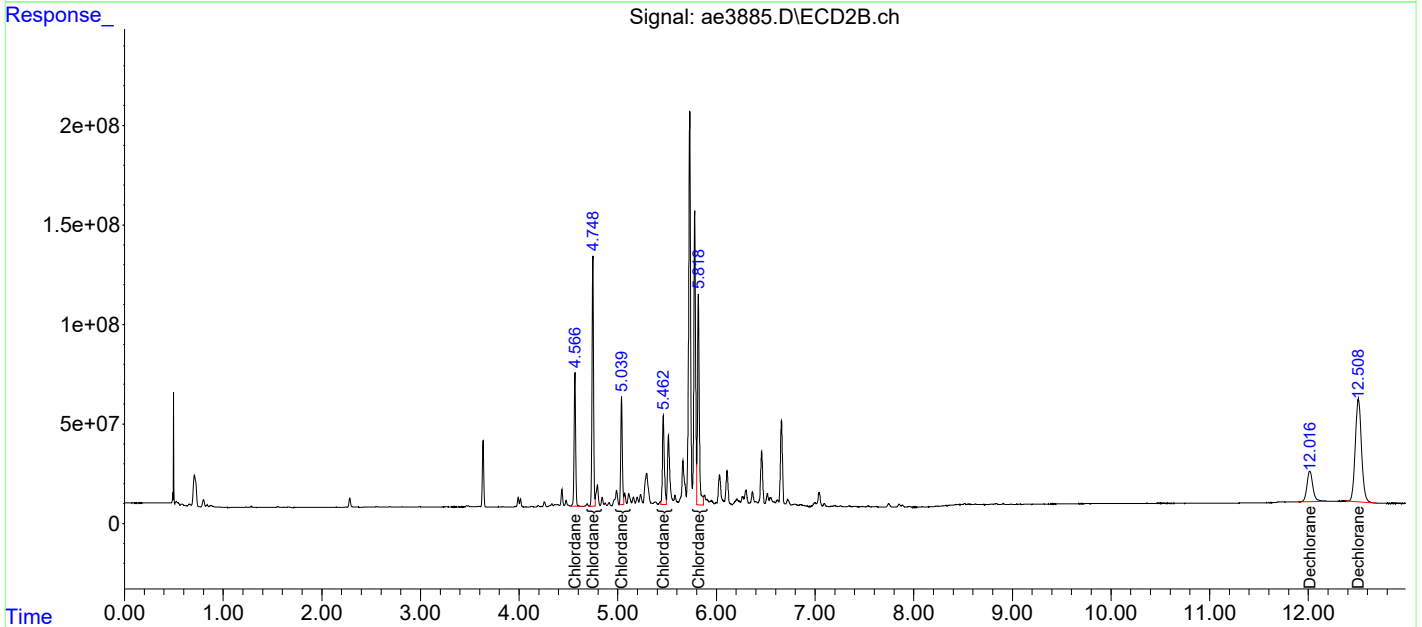
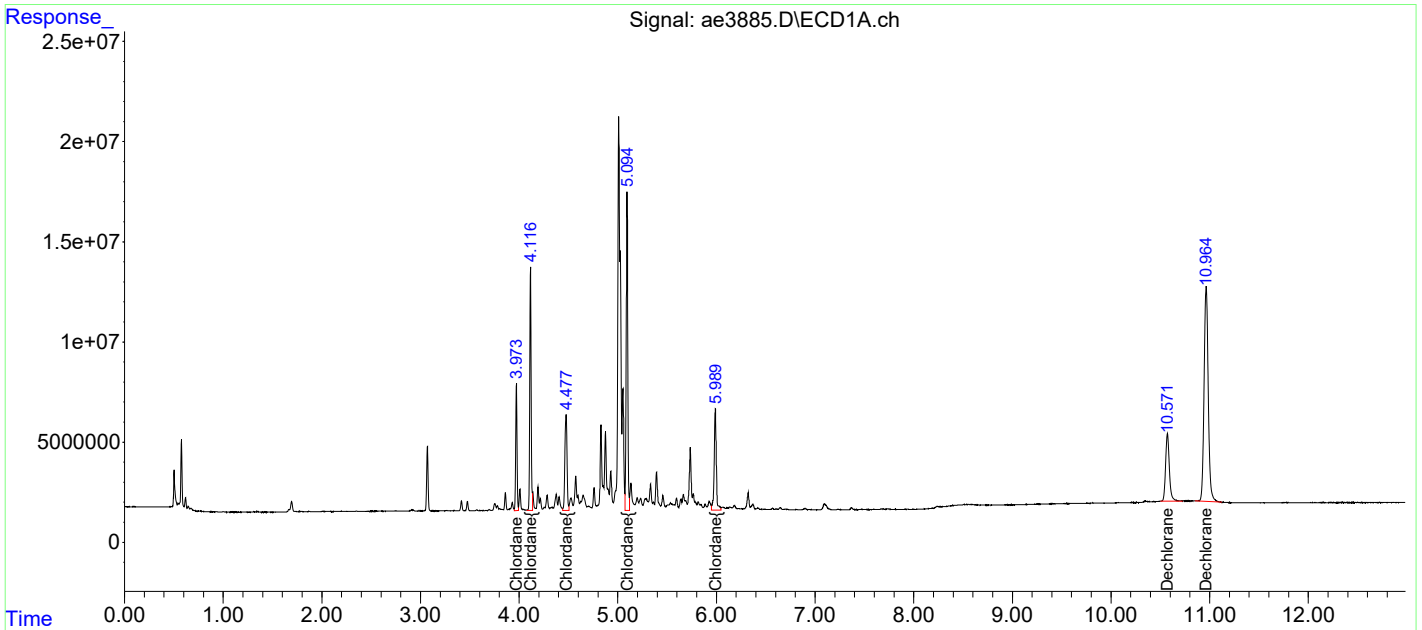
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
32) L9C Chlordane	3.973	4.567	59134470	724.9E6	402.347	421.246
33) L9C Chlordane{2}	4.116	4.748	118.8E6	1342.0E6	403.349m	429.121
34) L9C Chlordane{3}	4.478	5.039	73299601	598.3E6	384.915	400.483
35) L9C Chlordane{4}	5.095	5.462	177.6E6	603.9E6	401.869	407.303
36) L9C Chlordane{5}	5.989	5.818	72387881	1396.0E6	410.045	414.483
Sum Chlordane			501.2E6	4665.1E6	2002.525	2072.637
Average Chlordane					400.505	414.527
37) L10C Dechloran...	10.572	12.014	88922885	636.6E6	200.415	199.530
38) L10C Dechloran...	10.965	12.507	315.7E6	2274.6E6	201.858	201.900
Sum Dechlorane			404.6E6	2911.2E6	402.273	401.430
Average Dechlorane					201.137	200.715

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:33 pm
Operator : a.moses
Sample : chlor std 6
Misc : initial cal.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 13:53:13 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 10:10:40 2019
Response via : Initial Calibration
Integrator: ChemStation

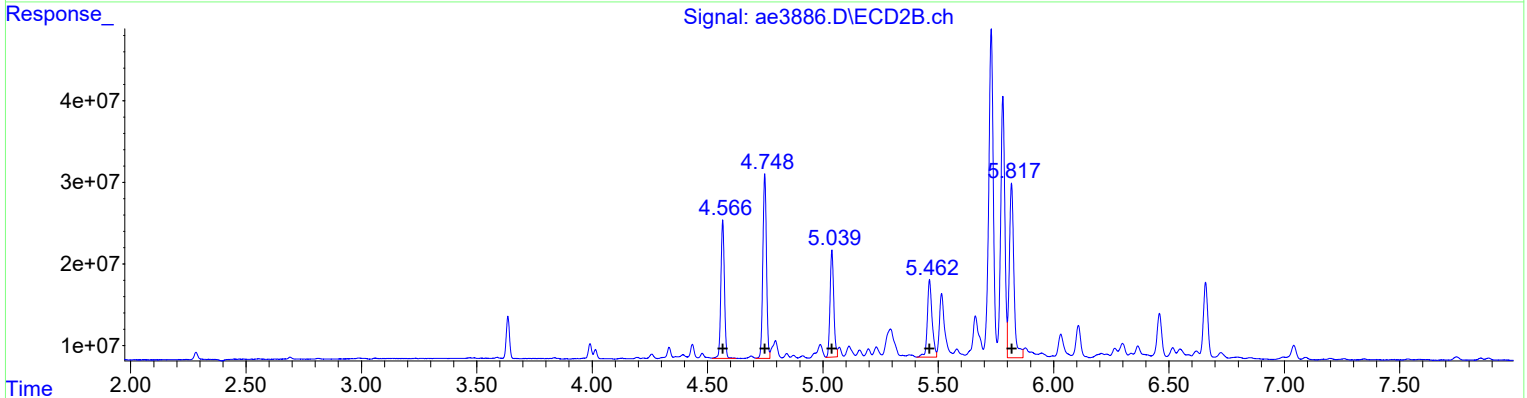
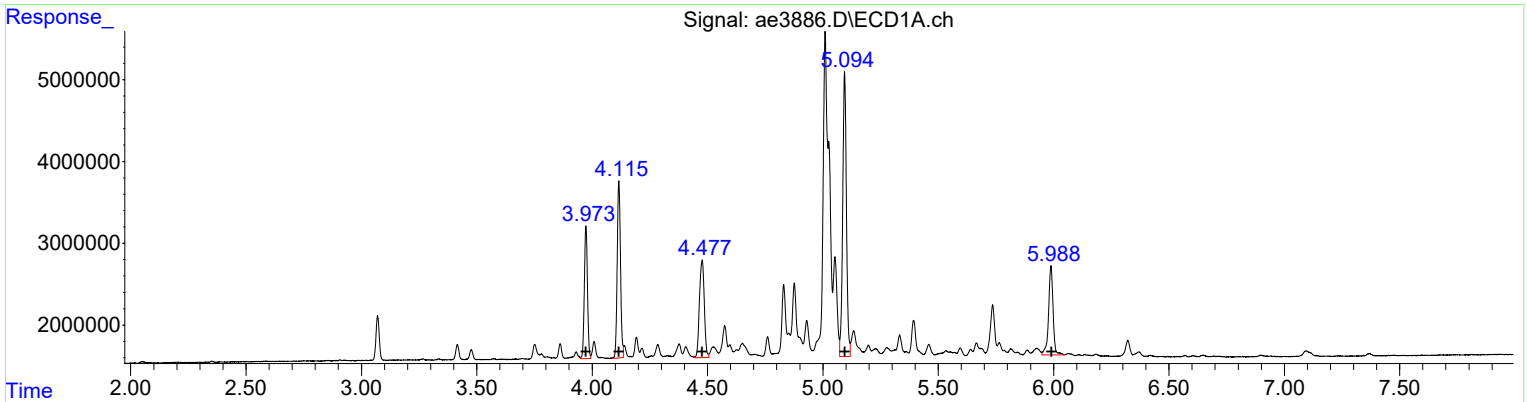
Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)

R.T.	Response	Conc
3.97	15342171	115.46
4.12	21363545	83.39
4.48	17447932	100.89
5.09	39003547	102.14
5.99	14704630	94.19

Manual Integration:
 After
 Poor integration.
 04/29/19

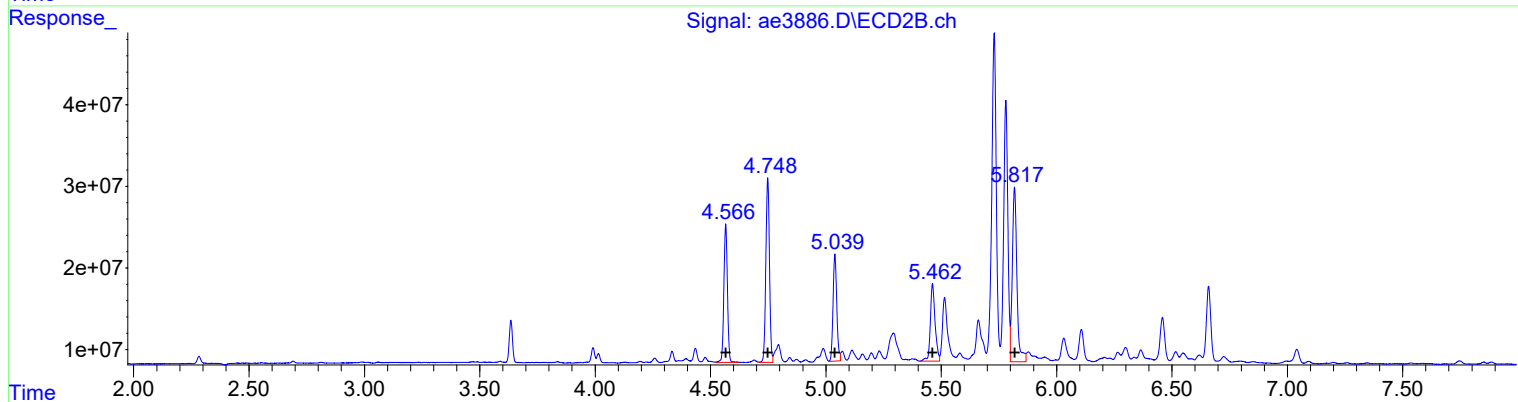
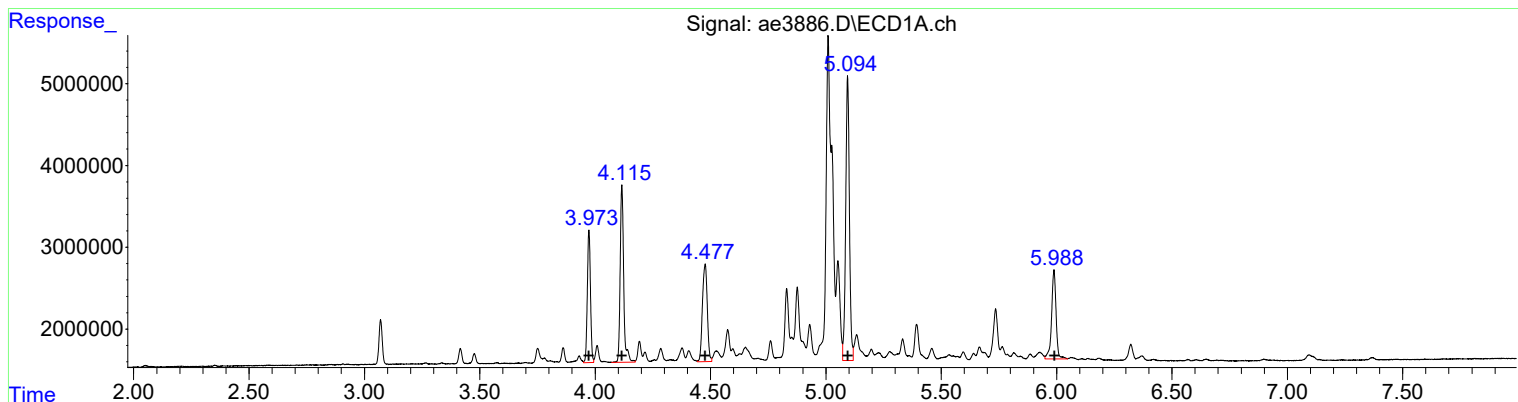
(32) Chlordane #2 (L9C)

R.T.	Response	Conc
4.57	180704175	110.89
4.75	247469121	84.30
5.04	146408603	102.43
5.46	135483997	97.79
5.82	297566714	95.94

Data Path : I:\ACQUDATA\7890N.net\data\042619\
Data File : ae3886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2019 12:51 pm
Operator : a.moses
Sample : chlor icv
Misc : initial cal.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 29 14:04:12 2019
Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
Quant Title : 608.3/8081B PESTICIDES
QLast Update : Mon Apr 29 14:04:00 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(32) Chlordane (L9C)		
R.T.	Response	Conc
3.97	15342171	115.46
4.12	22907574	89.42
4.48	17447932	100.89
5.09	39003547	102.14
5.99	14704630	94.19

Manual Integration:
Before
04/29/19

(32) Chlordane #2 (L9C)		
R.T.	Response	Conc
4.57	180704175	110.89
4.75	247469121	84.30
5.04	146408603	102.43
5.46	135483997	97.79
5.82	297566714	95.94

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
32 L9C Chlordane	100.000	115.463	-15.5#	125	0.00
33 L9C Chlordane{2}	100.000	83.391	16.6#	92	0.00
34 L9C Chlordane{3}	100.000	100.893	-0.9	109	0.00
35 L9C Chlordane{4}	100.000	102.144	-2.1	111	0.00
36 L9C Chlordane{5}	100.000	94.192	5.8	106	0.00
37 L10CDechlorane{1}	50.000	45.666	8.7	89	0.00
38 L10CDechlorane{2}	50.000	45.082	9.8	89	0.00

Signal #2

32 L9C Chlordane	100.000	110.886	-10.9	118	0.00
33 L9C Chlordane{2}	100.000	84.297	15.7#	91	0.00
34 L9C Chlordane{3}	100.000	102.427	-2.4	110	0.00
35 L9C Chlordane{4}	100.000	97.793	2.2	106	0.00
36 L9C Chlordane{5}	100.000	95.936	4.1	104	0.00
37 L10CDechlorane{1}	50.000	45.982	8.0	87	0.00
38 L10CDechlorane{2}	50.000	45.996	8.0	88	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.03#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-3.46#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.54#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-3.83#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.12#
6 tcm Aldrin	10.000	0.000	100.0#	0	-4.37#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.01#
8 TC delta-BHC	10.000	0.000	100.0#	0	-4.24#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-4.81#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.15#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.01#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.10#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.26#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-5.41#
15 tcm Endrin	10.000	0.000	100.0#	0	-5.71#
16 tc KEPONE	1500.000	0.000	100.0#	0	-5.82#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-5.96#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-5.80#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.07#
20 tc Endrin Aldehy	10.000	0.000	100.0#	0	-6.18#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.39#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-6.77#
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.26#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.03#
25 tc Mirex	10.000	0.000	100.0#	0	-7.18#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.23#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-5.44#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-5.72#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.27#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.30#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-6.81#

Signal #2

1 S SURR1,Tetrac	10.000	0.000	100.0#	0	-3.64#
2 TC HEXACHLORO BENZENE	10.000	0.000	100.0#	0	-4.04#
3 tc alpha-BHC	10.000	0.000	100.0#	0	-3.97#
4 tcm gamma-BHC (L	10.000	0.000	100.0#	0	-4.24#
5 tcm Heptachlor	10.000	0.000	100.0#	0	-4.75#
6 tcm Aldrin	10.000	0.000	100.0#	0	-5.04#
7 tc beta-BHC	10.000	0.000	100.0#	0	-4.45#
8 tc delta-BHC	10.000	0.000	100.0#	0	-4.68#
9 tc Heptachlor E	10.000	0.000	100.0#	0	-5.43#
10 tc alpha-Endosu	10.000	0.000	100.0#	0	-5.83#
11 tc gamma-Chlord	10.000	0.000	100.0#	0	-5.73#
12 tc alpha-Chlord	10.000	0.000	100.0#	0	-5.78#
13 tc 4,4'-DDE	10.000	0.000	100.0#	0	-5.90#
14 tcm Dieldrin	10.000	0.000	100.0#	0	-6.08#
15 tcm Endrin	10.000	0.000	100.0#	0	-6.32#
16 tc KEPONE	1500.000	0.000	100.0#	0	-6.62#
17 tc beta-Endosul	10.000	0.000	100.0#	0	-6.58#
18 tc 4,4'-DDD	10.000	0.000	100.0#	0	-6.42#
19 tcm 4,4'-DDT	10.000	0.000	100.0#	0	-6.75#
20 tc Endrin Aldehy	10.000	0.000	100.0#	0	-6.69#
21 tc Endosulfan S	10.000	0.000	100.0#	0	-6.99#
22 tc Methoxychlor	10.000	0.000	100.0#	0	-7.21#

Data Path : I:\ACQUDATA\7890N.net\data\042619\
 Data File : ae3886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2019 12:51 pm
 Operator : a.moses
 Sample : chlor icv
 Misc : initial cal.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Apr 29 14:04:12 2019
 Quant Method : C:\MassHunter\GCMS\1\methods\8081042619.M
 Quant Title : 608.3/8081B PESTICIDES
 QLast Update : Mon Apr 29 14:04:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23 tc FAMPHUR	300.000	0.000	100.0#	0	-6.51#
24 tc Endrin Keton	10.000	0.000	100.0#	0	-7.47#
25 tc Mirex	10.000	0.000	100.0#	0	-8.04#
26 S SURR2,Decachlorobiphenyl	10.000	0.000	100.0#	0	-8.76#
27 L8C Toxaphene	500.000	0.000	100.0#	0	-6.01#
28 L8C Toxaphene{2}	500.000	0.000	100.0#	0	-6.43#
29 L8C Toxaphene{3}	500.000	0.000	100.0#	0	-6.91#
30 L8C Toxaphene{4}	500.000	0.000	100.0#	0	-6.99#
31 L8C Toxaphene{5}	500.000	0.000	100.0#	0	-7.35#

(#) = Out of Range SPCC's out = 0 CCC's out = 61

Analysis: 8081
 Date: 4/26/19
 Syringes: _____

Analyst: A. Moses
 Instr. 7890N R-GC-63
229100048

Run Method: 8081a.m
 Quant Method: 8081a2619.m
 LIMS Run#: _____

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BLW			AE3841-76	—	
	BLK			AE3847	✓	
	PEM		195405	48	✓	
	8081 std 1		147676	49	✓	
	2		75	50	✓	
	3		74	51	✓	
	4		73	52	✓	
	5		72	53	✓	
	6		71	54	✓	
	7		70	55	✓	
	↓ Icv		↓ 80	56	✓	
	Tox std 1 (20)		196988	57	✓	
	2 (100)		196049	58	✓	
	3 (250)		50	59	✓	
	4 (500)		51	60	✓	
	5 (750)		52	61	✓	
	6 (1,000)		53	62	✓	
	↓ Icv		↓ 55	63	✓	
	Chlor std 1		196635	64	H	
	2		078 076	65	↓	
	3		078 077	66	↓	
	4		079 078	67	↓	
	5		079	68	↓	
	6		080	69	↓	
	↓ Icv		↓ 082	70	↓	
	WF std 1		197315	71	✓	
	2		14	72	✓	
	3		13	73	✓	
	4		12	74	✓	
	5		11	75	✓	
	6		↓ 10	76	✓	
	↓ Icv		195647	77	✓	
	BLK			78	✓	
	PEM		195405	79	✓	
	Chlor std 1		196635	80	✓	
	2		076	81	✓	
	3		077	82	✓	
	4		078	83	✓	
	5		079	84	✓	
	6		080	85	✓	
	↓ Icv		↓ 082	86	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903955

**Toxicity Characteristics Leachate Procedure (TCLP)
TCLP Organochlorine Pesticides by Gas Chromatography**

Prep Method: EPA 3510C
Analytical Method: 8081B

Extraction Lot: 336341
Extraction Date: 05/09/19 13:46

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-1	R1903955-001	4/30/19	5/2/19	100 mL	10 mL	
Method Blank	RQ1904325-01MB	NA	NA	100 mL	10 mL	
Method Blank	RQ1904366-01MB	NA	NA	1000.0000	10 mL	
Lab Control Sample	RQ1904366-02LCS	NA	NA	1000.0000	10 mL	
Duplicate Lab Control Sample	RQ1904366-03DLCS	NA	NA	1000.0000	10 mL	

Preparation Information Benchsheet

Prep Run#: 336341
 Team: Semivoa GC/VSTAUFFER

Prep Workflow: OrgExILP
 Prep Method: EPA 3510C

Status: Prepped
 Prep Date/Time: 5/9/19 13:46

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904366-01	MB		1000mL	8081B/Pest OC TCLP	7			10.00mL	clear/colorless	1.0000 mL/198620	
2	RQ1904366-02	LCS		1000mL	8081B/Pest OC TCLP	7			10.00mL	clear/colorless	1.0000 mL/198056; 1.0000 mL/198620	
3	RQ1904366-03	DLCS		1000mL	8081B/Pest OC TCLP	7			10.00mL	clear/colorless	1.0000 mL/198056; 1.0000 mL/198620	
4	R1903839-002	Sludge		100mL	8081B/Pest OC TCLP	5			10.00mL	clear/colorless	1.0000 mL/198620	
5	R1903897-001	U-60/67		100mL	8081B/Pest OC TCLP	7			10.00mL	clear/colorless	1.0000 mL/198620	
6	R1903925-001	IDW-1		100mL	8081B/Pest OC TCLP	6			10.00mL	clear/colorless	1.0000 mL/198620	
7	RQ1904325-01	MB		100mL	8081B/Pest OC TCLP	5			10.00mL	clear/colorless	1.0000 mL/198620	

Spike Solutions

Name: 608 LCS Spike STD Inventory ID 198056 Logbook Ref: 198620 Expires On: 06/15/2019
 Name: 8081/8082 Surrogate Spike STD 1 ug/mL Inventory ID 198620 Logbook Ref: 198620 Expires On: 10/16/2019

Preparation Materials

Eppendorf Pipette Repeater EXT #18 (184837) Dichloromethane (Methylene Chloride) 99.9% MeCl₂ canister (198936) pH Paper 0-14 (198395)
 Prepared Sodium Sulfate (198693) Prepared Tetrabutylammonium Na₂SO₄ (198647) hydrogen sulfate (TBA)

Preparation Steps

Step: Extraction	Step: Concentration	Step: Sulfur Clean-EPA 360B	Step: Final Volume
Started: 5/9/19 13:46	Started: 5/10/19 13:00	Started: 5/13/19 10:45	Started: 5/13/19 11:15
Finished: 5/9/19 16:29	Finished: 5/10/19 14:00	Finished: 5/13/19 11:15	Finished: 5/13/19 11:25
By: VSTAUFFER	By: AMOSES	By: AMOSES	By: AMOSES

Comments:

Reviewed By:  Date: 5/13/19

Spike Witness: BALLGEIER

Date:

Chain of Custody

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____
 Extracts Examined: Yes No

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/L
Basis: As Received

TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
Prep Method: Method

Pre-Prep Method: EPA 1311
Pre-Prep Date: 5/8/19

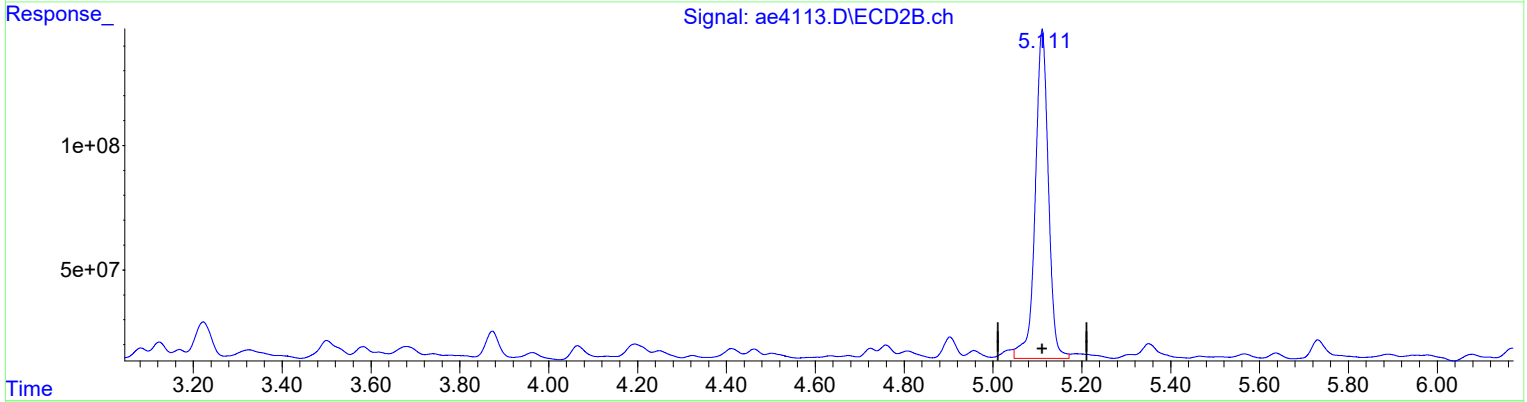
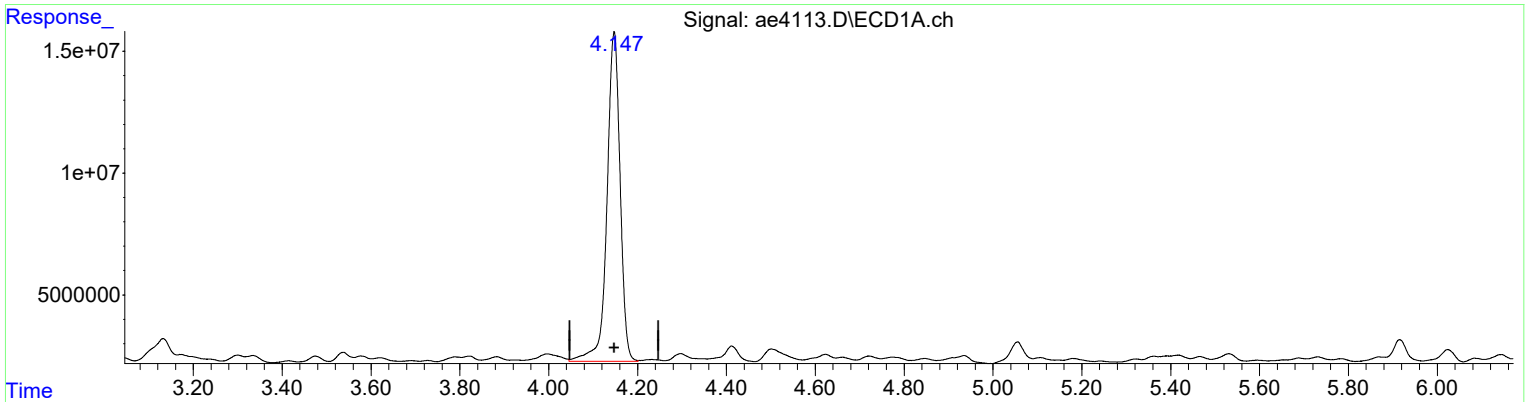
Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2,4-D	5.0 U	5.0	1	05/14/19 12:42	5/10/19	
2,4,5-TP (Silvex)	5.0 U	5.0	1	05/14/19 12:42	5/10/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
DCAA	67	12 - 131	05/14/19 12:42	

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4113.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 12:42 pm
 Operator : a.moses
 Sample : r1903955-001
 Misc : 336378 8151 TCLP
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(1) DCAA (SC)
 4.147min 333.560 UG/L m
 response 276960480

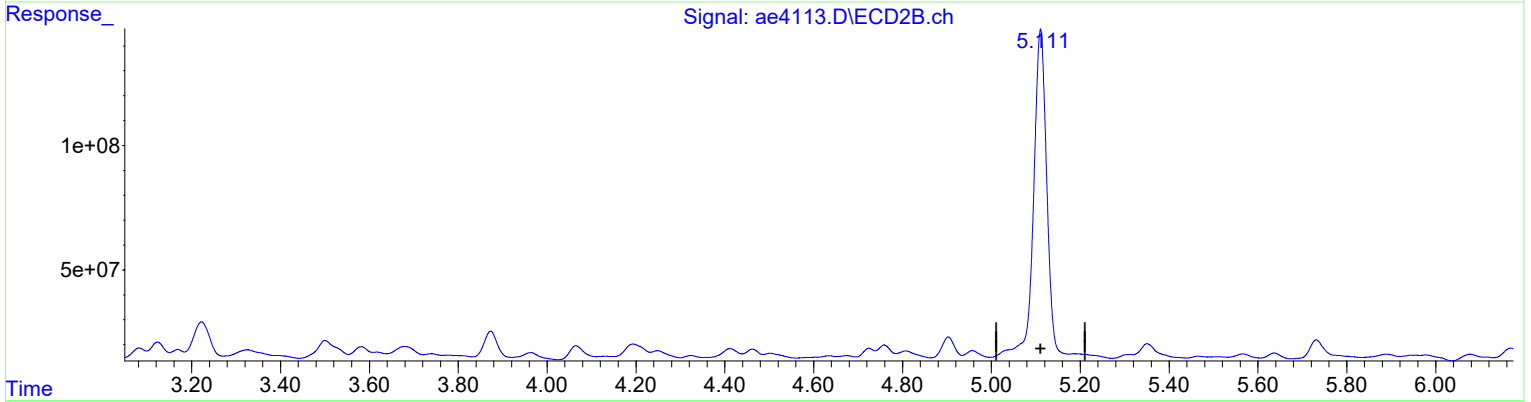
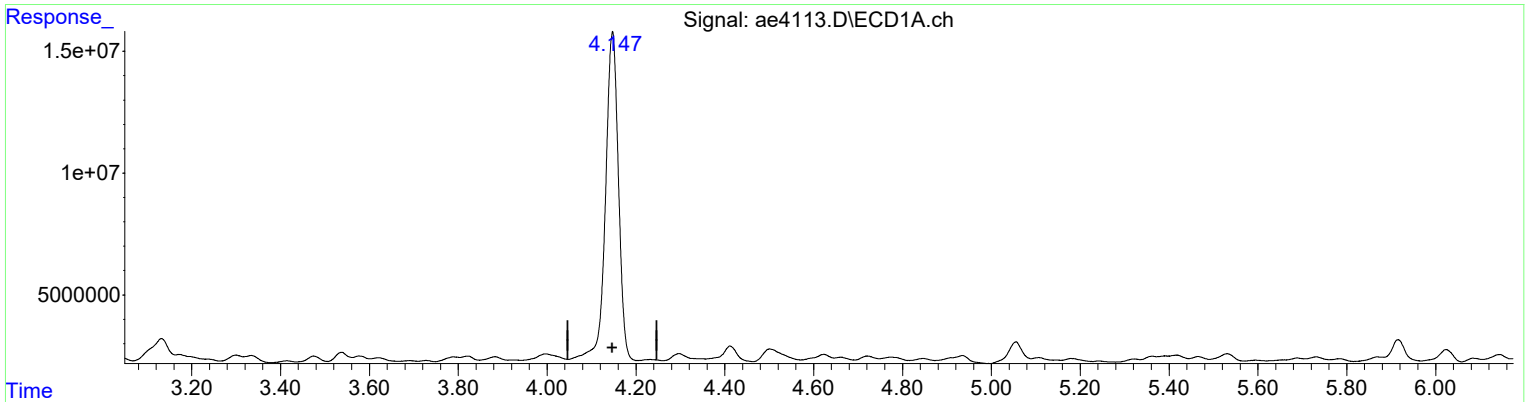
(1) DCAA #2 (SC)
 5.111min 353.248 UG/L m
 response 2713546527

Manual Integration:
 After
 Poor integration.
 05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 12:42 pm
Operator : a.moses
Sample : r1903955-001
Misc : 336378 8151 TCLP
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:39 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(1) DCAA (SC)
4.147min 366.067 UG/L
response 303951009

Manual Integration:
Before
05/14/19

(1) DCAA #2 (SC)
5.111min 380.043 UG/L
response 2919379251

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4113.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 12:42 pm
 Operator : a.moses
 Sample : r1903955-001
 Misc : 336378 8151 TCLP
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:39 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

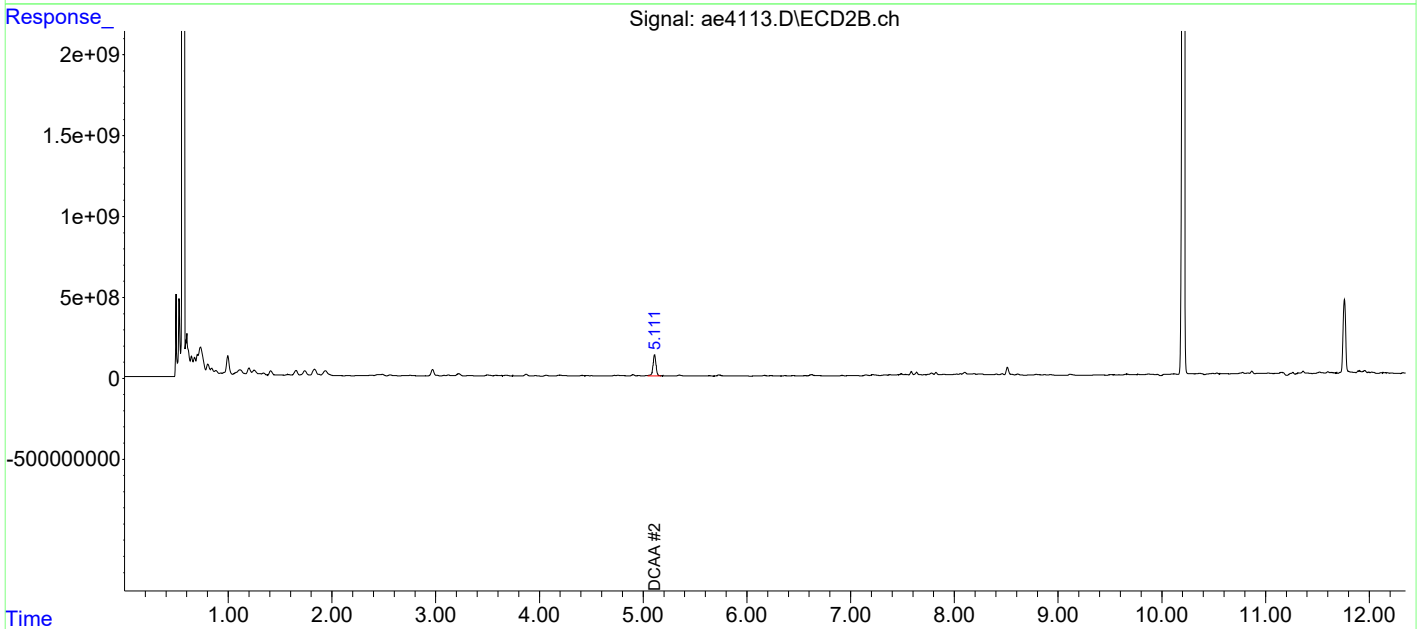
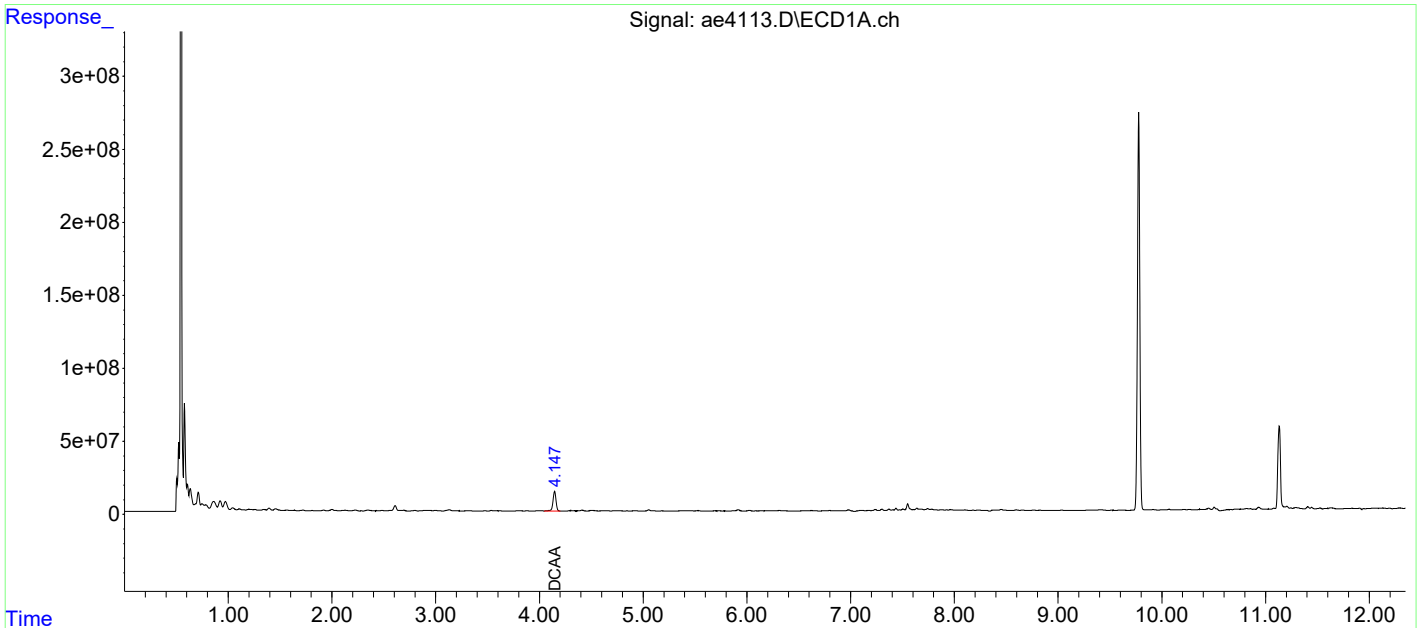
System Monitoring Compounds						
1) SC DCAA	4.147	5.111	277.0E6	2713.5E6	333.560m	353.248m
Target Compounds						
2) TC Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
3) TC Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
4) TC 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
5) TC Pentachlo...	0.000	0.000	0	0	N.D. d	N.D. d
6) TC 2,4,5-TP ...	0.000	0.000	0	0	N.D. d	N.D. d
7) TC 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
8) TC 2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
9) TC Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 12:42 pm
Operator : a.moses
Sample : r1903955-001
Misc : 336378 8151 TCLP
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:39 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

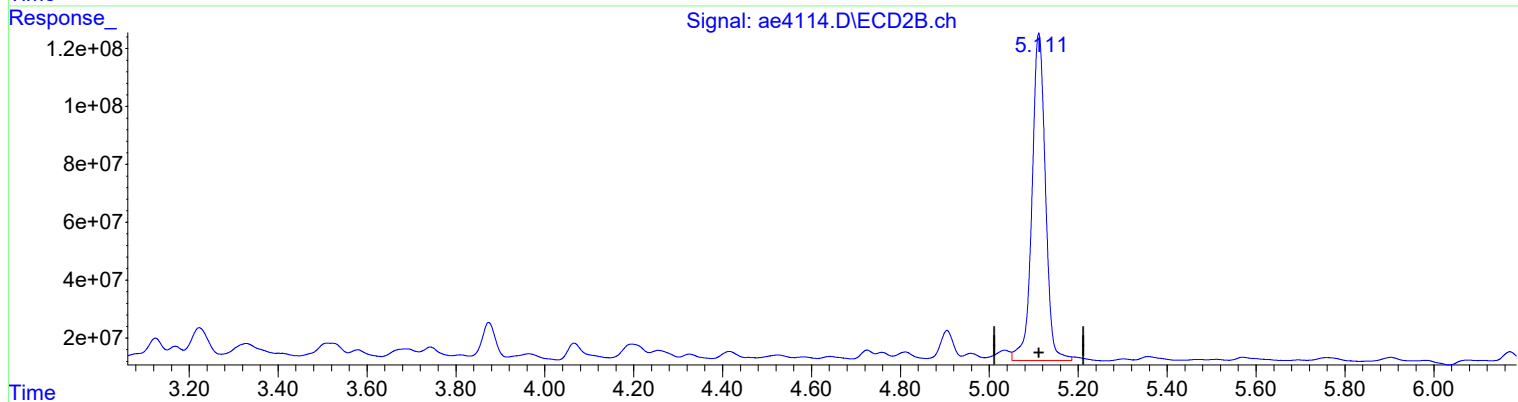
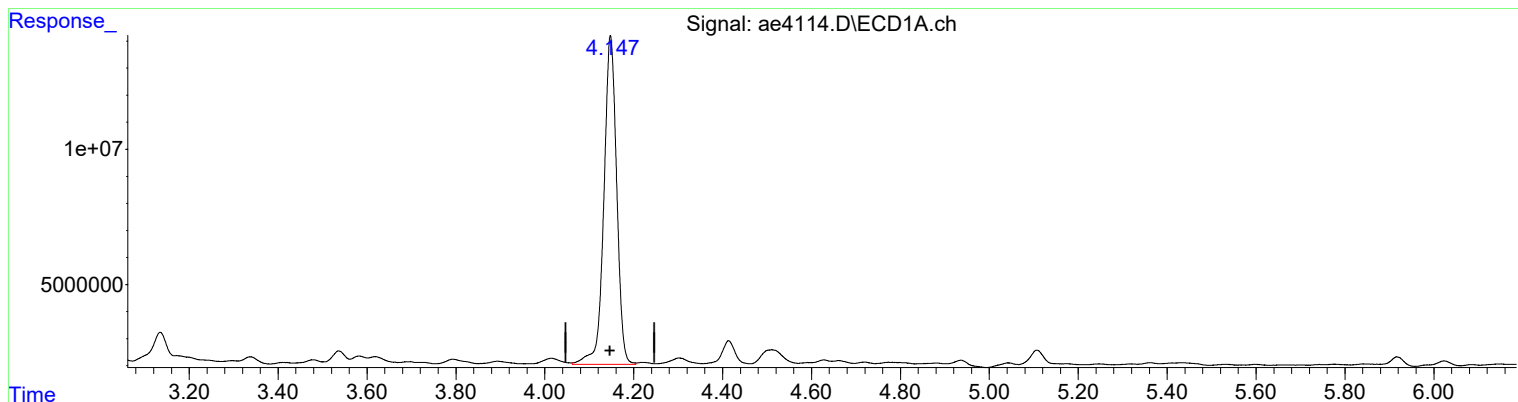
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 12:59 pm
Operator : a.moses
Sample : rq1904325-01
Misc : 336378 8151 TCLP
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:42 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(1) DCAA (SC)
4.147min 293.175 UG/L m
response 243427521

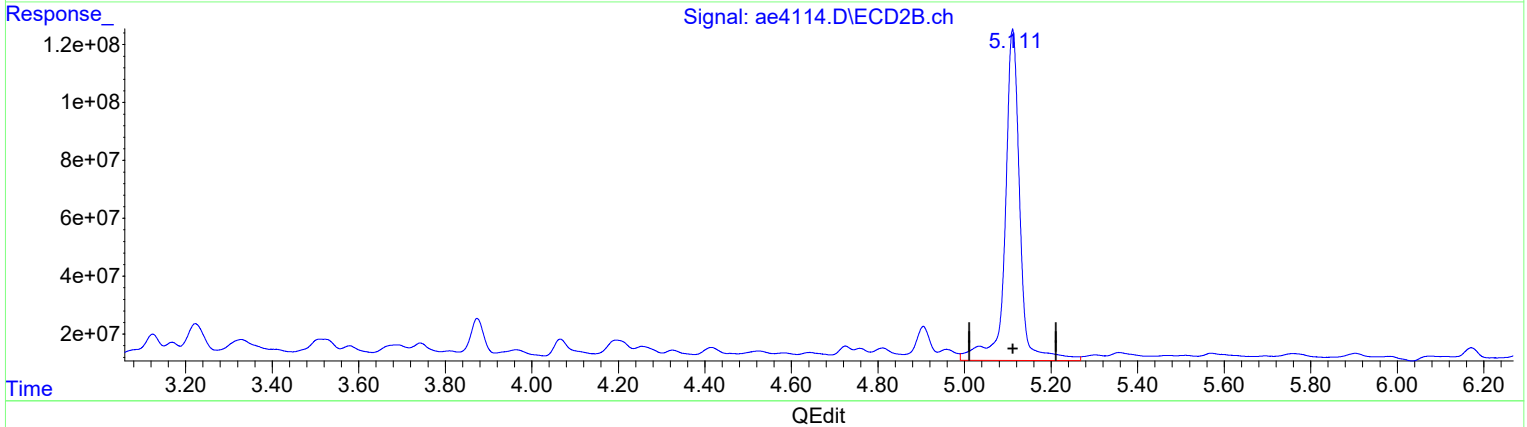
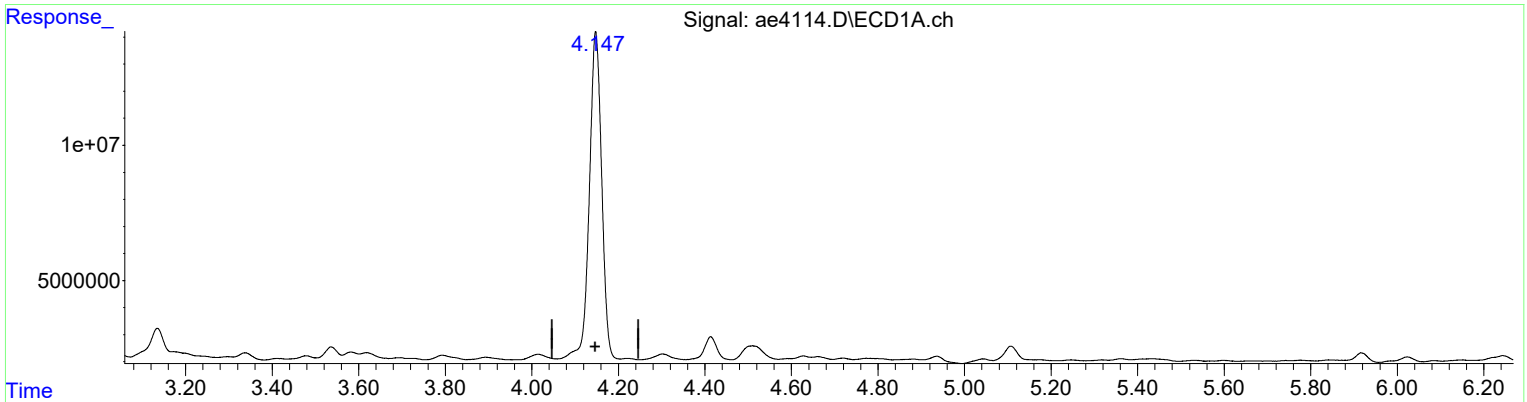
(1) DCAA #2 (SC)
5.111min 309.734 UG/L m
response 2379290726

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 12:59 pm
Operator : a.moses
Sample : rq1904325-01
Misc : 336378 8151 TCLP
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:42 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(1) DCAA (SC)
4.148min 311.483 UG/L
response 258628944

Manual Integration:
Before
05/14/19

(1) DCAA #2 (SC)
5.111min 353.776 UG/L
response 2717602153

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4114.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 12:59 pm
 Operator : a.moses
 Sample : rq1904325-01
 Misc : 336378 8151 TCLP
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:42 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

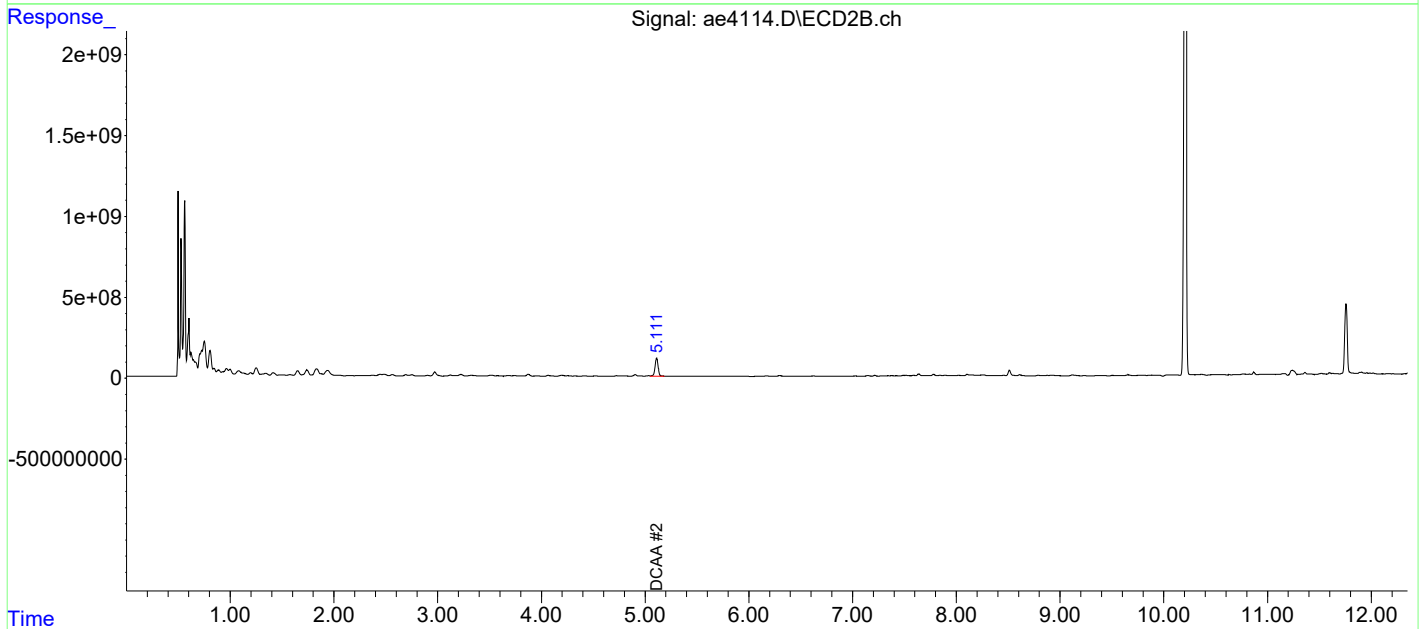
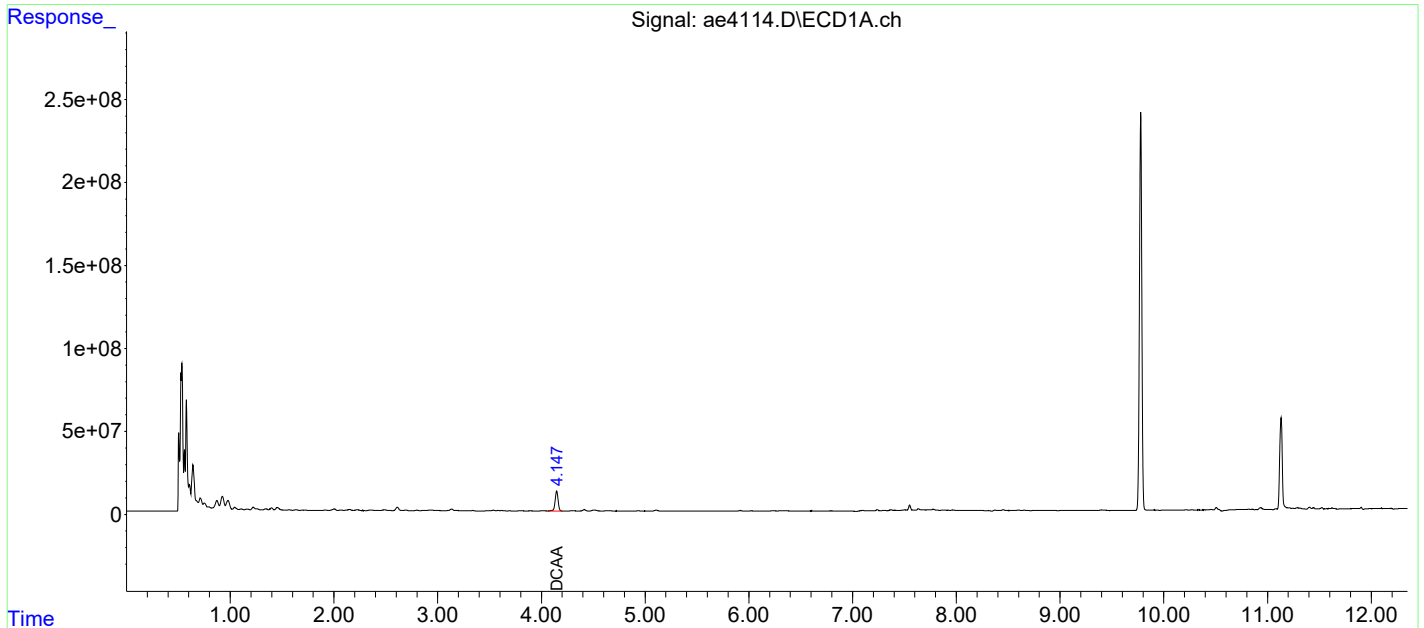
System Monitoring Compounds						
1) SC DCAA	4.147	5.111	243.4E6	2379.3E6	293.175m	309.734m
Target Compounds						
2) TC Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
3) TC Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
4) TC 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
5) TC Pentachlo...	0.000	0.000	0	0	N.D. d	N.D. d
6) TC 2,4,5-TP ...	0.000	0.000	0	0	N.D. d	N.D. d
7) TC 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
8) TC 2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
9) TC Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 12:59 pm
Operator : a.moses
Sample : rq1904325-01
Misc : 336378 8151 TCLP
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:42 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

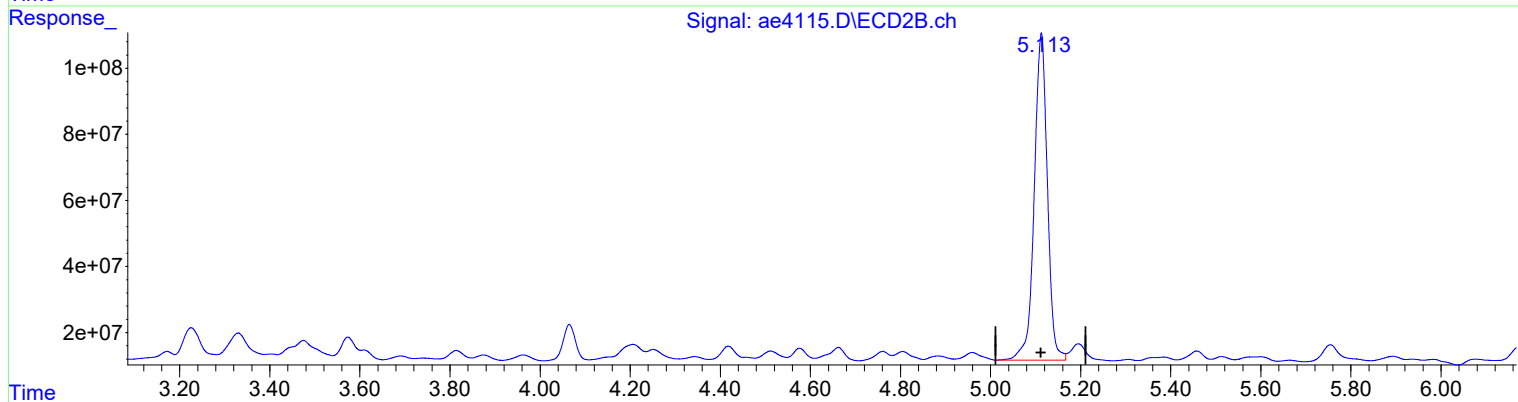
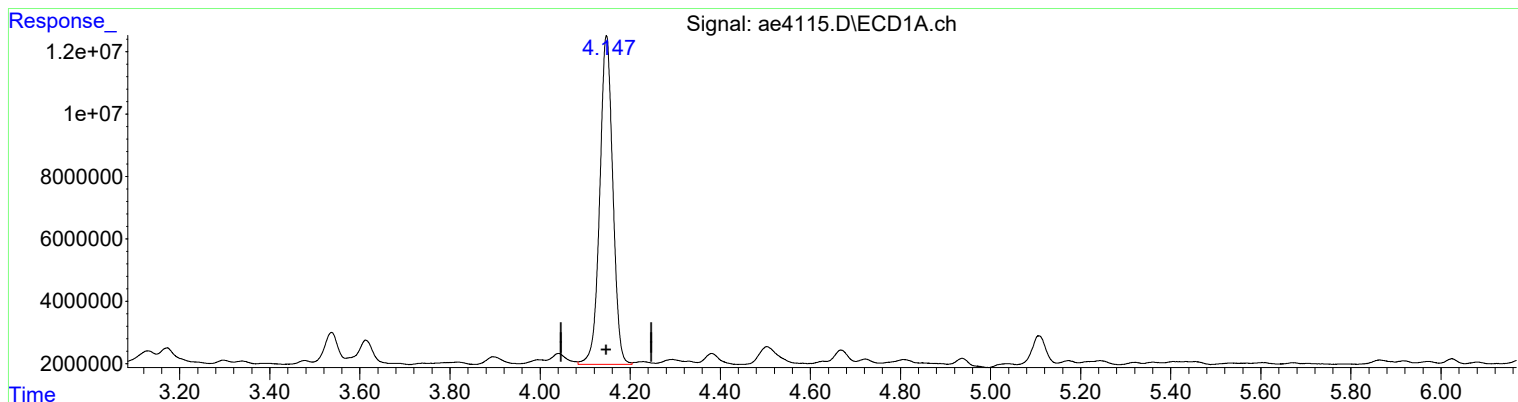
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 01:16 pm
Operator : a.moses
Sample : rq1904390-01
Misc : 336378 8151 TCLP
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:45 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(1) DCAA (SC)
4.147min 255.495 UG/L m
response 212141844

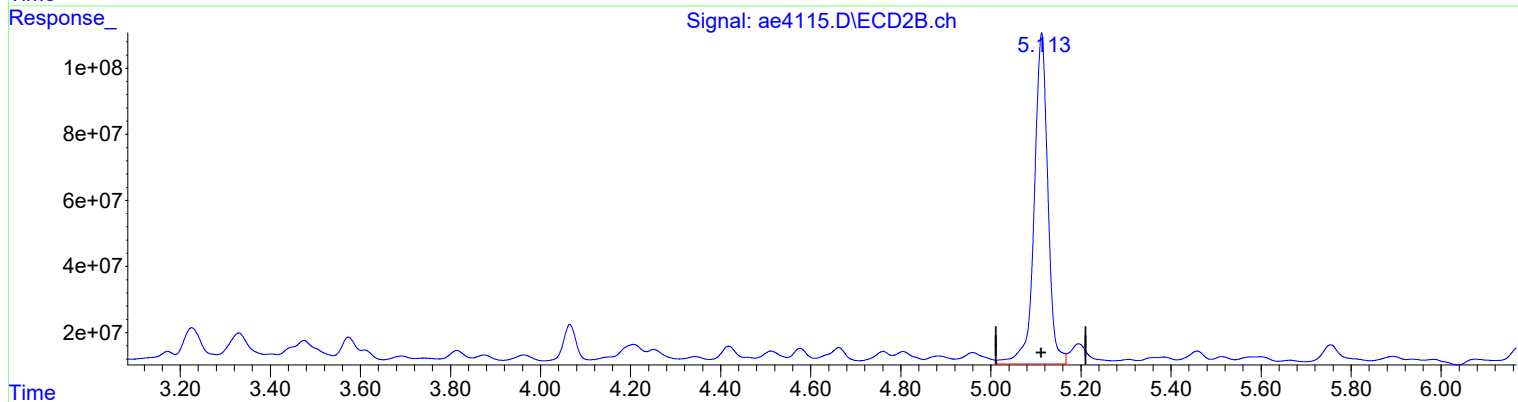
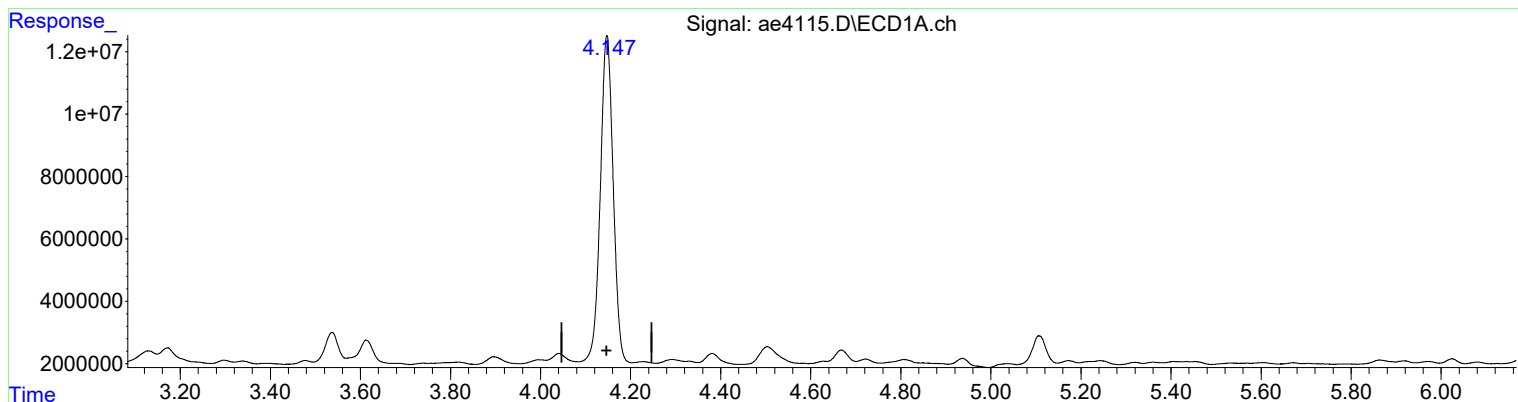
(1) DCAA #2 (SC)
5.113min 261.642 UG/L m
response 2009855581

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 01:16 pm
Operator : a.moses
Sample : rq1904390-01
Misc : 336378 8151 TCLP
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:45 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(1) DCAA (SC)
4.147min 266.978 UG/L
response 221676009

Manual Integration:
Before
05/14/19

(1) DCAA #2 (SC)
5.113min 275.497 UG/L
response 2116288723

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4115.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 01:16 pm
 Operator : a.moses
 Sample : rq1904390-01
 Misc : 336378 8151 TCLP
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:45 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

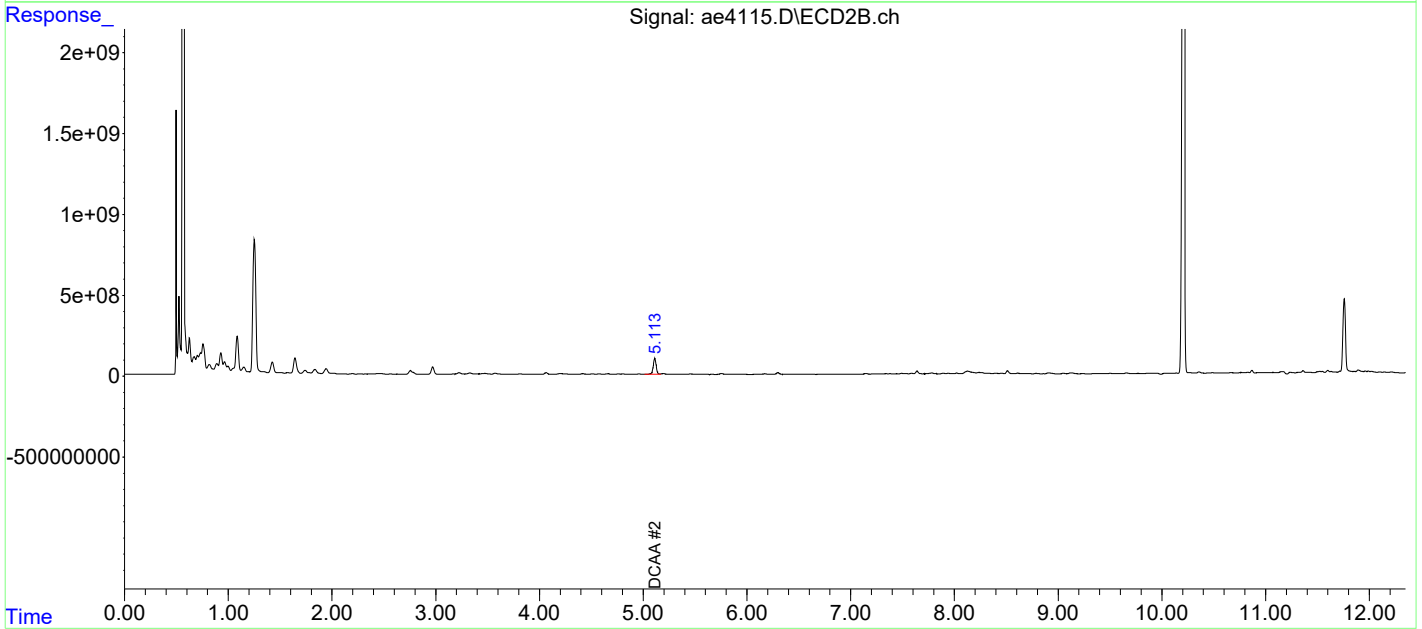
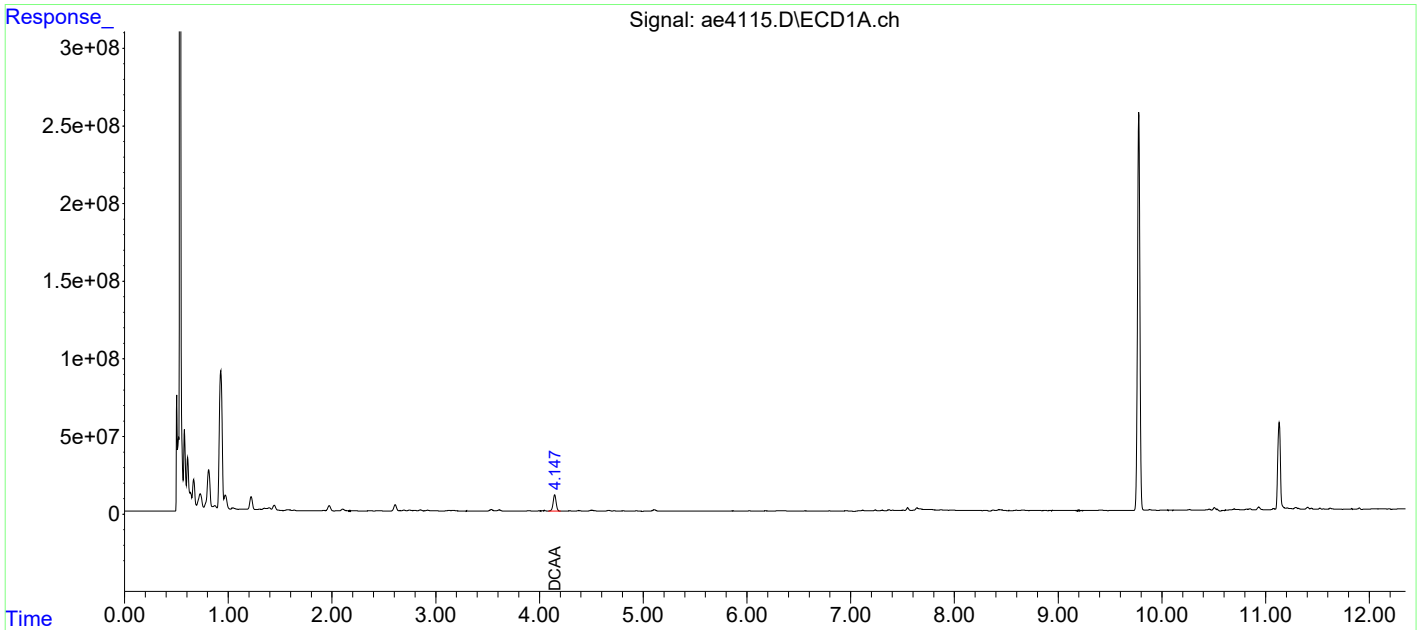
System Monitoring Compounds						
1) SC DCAA	4.147	5.113	212.1E6	2009.9E6	255.495m	261.642m
Target Compounds						
2) TC Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
3) TC Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
4) TC 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
5) TC Pentachlo...	0.000	0.000	0	0	N.D. d	N.D. d
6) TC 2,4,5-TP ...	0.000	0.000	0	0	N.D. d	N.D. d
7) TC 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
8) TC 2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
9) TC Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 01:16 pm
Operator : a.moses
Sample : rq1904390-01
Misc : 336378 8151 TCLP
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:45 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4116.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 01:32 pm
 Operator : a.moses
 Sample : rq1904390-02
 Misc : 336378 8151 TCLP
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:48 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

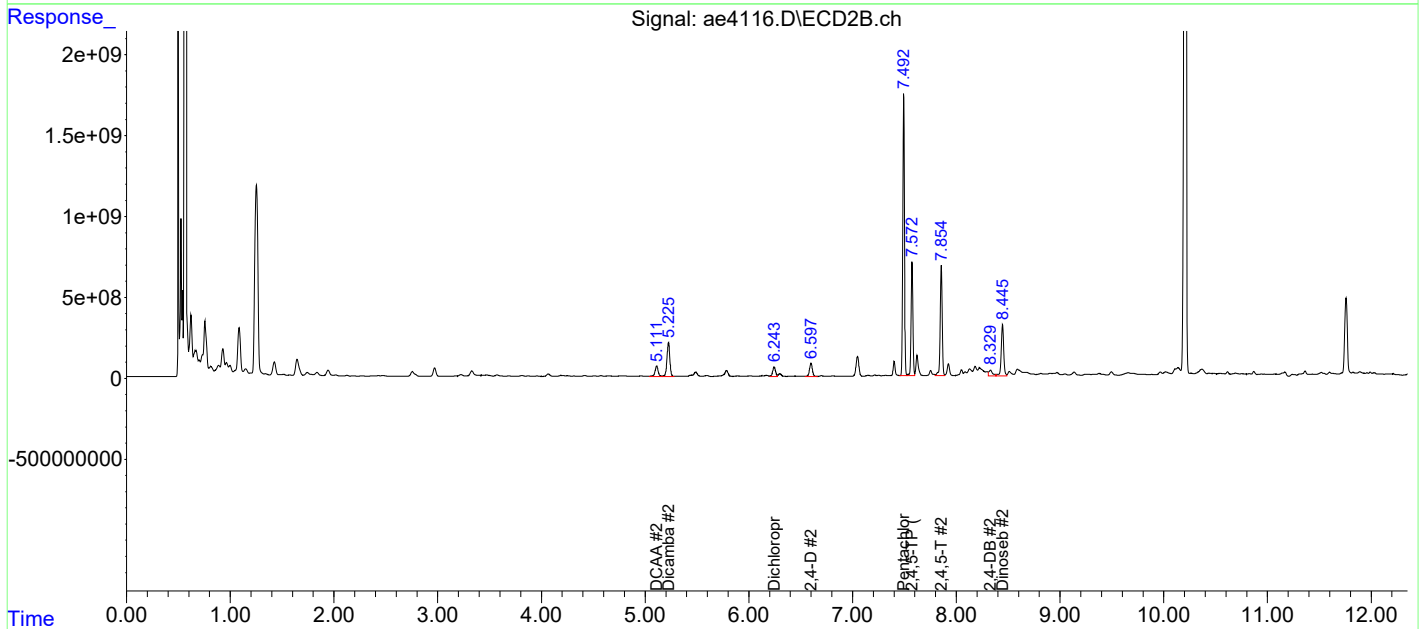
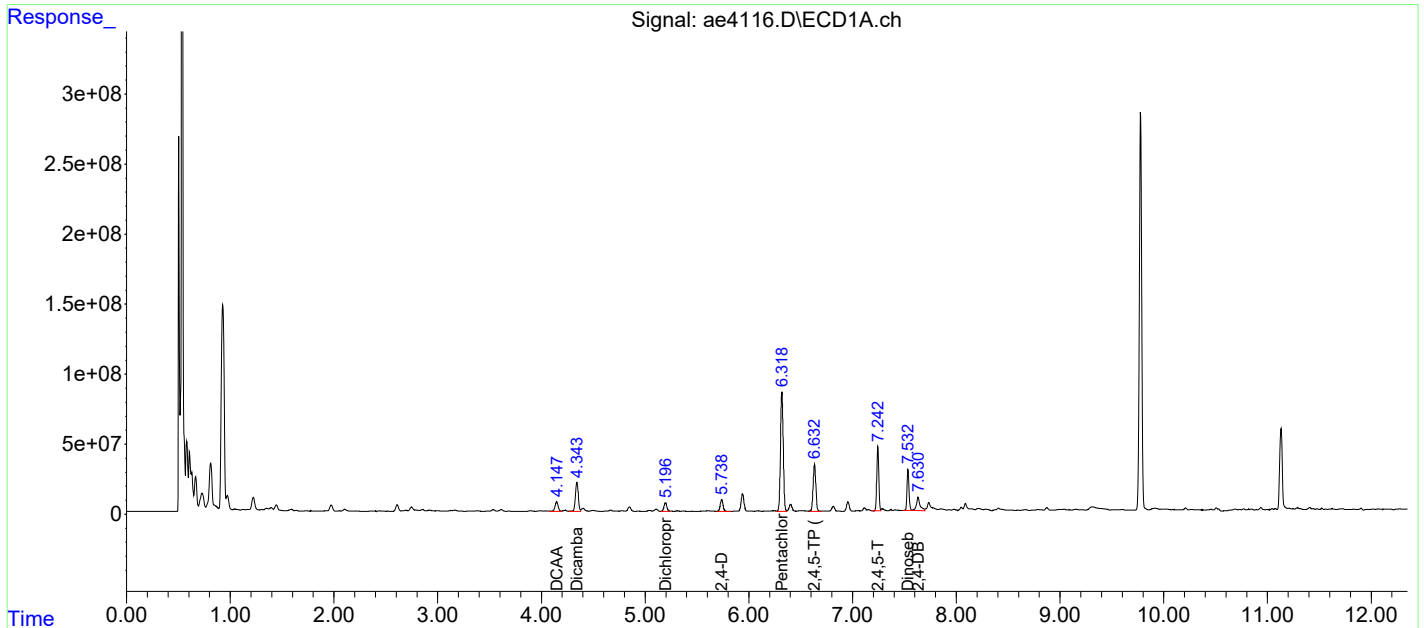
System Monitoring Compounds						
1) SC DCAA	4.148	5.112	153.4E6	1372.6E6	184.802	178.686
Target Compounds						
2) TC Dicamba	4.343	5.226	403.7E6	4030.2E6	157.738	157.248
3) TC Dichloroprop	5.197	6.244	125.5E6	1136.0E6	152.893	149.607
4) TC 2,4-D	5.738	6.598	161.5E6	1549.3E6	152.784	155.655
5) TC Pentachlo...	6.318	7.492	1578.1E6	19784.9E6	174.518	185.795
6) TC 2,4,5-TP ...	6.632	7.572	615.8E6	8449.3E6	161.269	170.764
7) TC 2,4,5-T	7.242	7.854	616.3E6	9187.0E6	170.833	190.306
8) TC 2,4-DB	7.630	8.329	236.1E6	872.6E6	377.793	129.727 #
9) TC Dinoseb	7.533	8.445	392.2E6	5231.2E6	156.524	145.940

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 01:32 pm
Operator : a.moses
Sample : rq1904390-02
Misc : 336378 8151 TCLP
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:46:48 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4117.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 01:49 pm
 Operator : a.moses
 Sample : rq1904390-03
 Misc : 336378 8151 TCLP
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:51 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

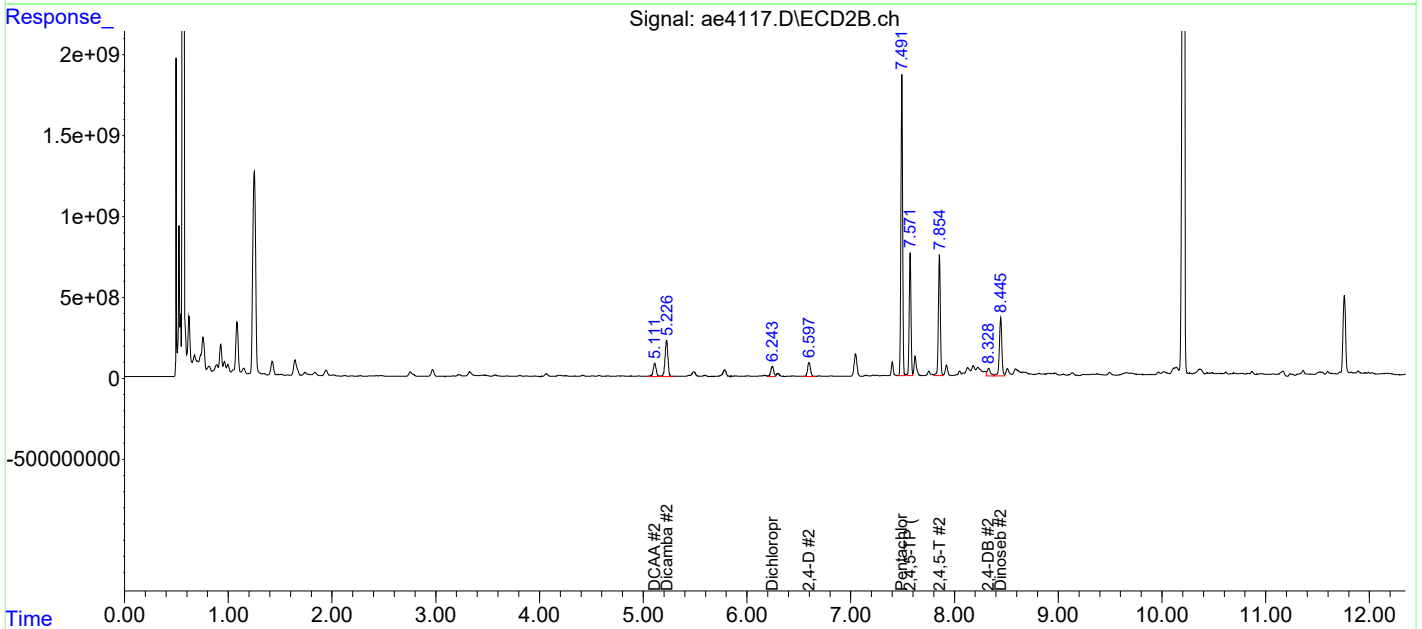
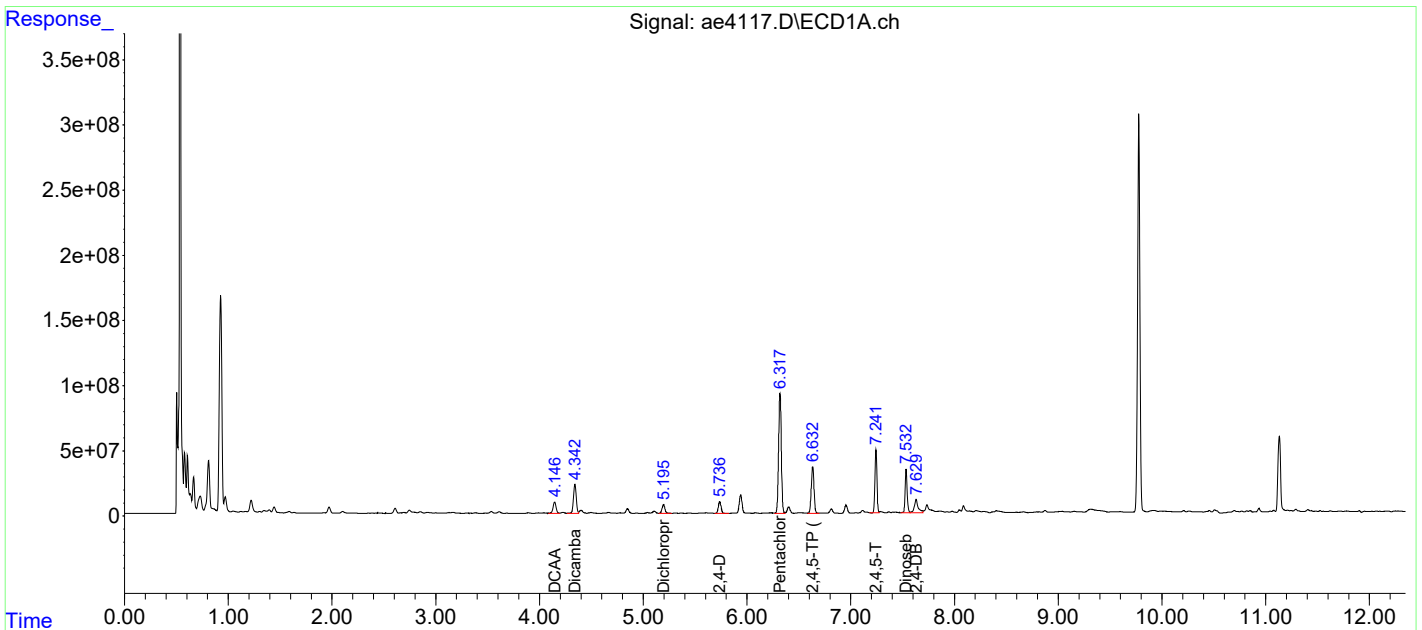
System Monitoring Compounds						
1) SC DCAA	4.147	5.112	182.9E6	1706.4E6	220.234	222.137
Target Compounds						
2) TC Dicamba	4.342	5.225	424.2E6	4248.9E6	165.778	165.779
3) TC Dichloroprop	5.196	6.244	138.4E6	1226.9E6	168.639	161.569
4) TC 2,4-D	5.737	6.598	172.5E6	1674.3E6	163.127	168.217
5) TC Pentachlo...	6.318	7.492	1678.9E6	21119.8E6	185.659	198.332
6) TC 2,4,5-TP ...	6.633	7.572	659.0E6	8998.5E6	172.601	181.865
7) TC 2,4,5-T	7.242	7.854	664.9E6	9781.0E6	184.292	202.611
8) TC 2,4-DB	7.629	8.329	259.3E6	1058.1E6	414.941	157.302 #
9) TC Dinoseb	7.532	8.445	442.6E6	5939.4E6	176.652	165.695

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4117.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 01:49 pm
 Operator : a.moses
 Sample : rq1904390-03
 Misc : 336378 8151 TCLP
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:46:51 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

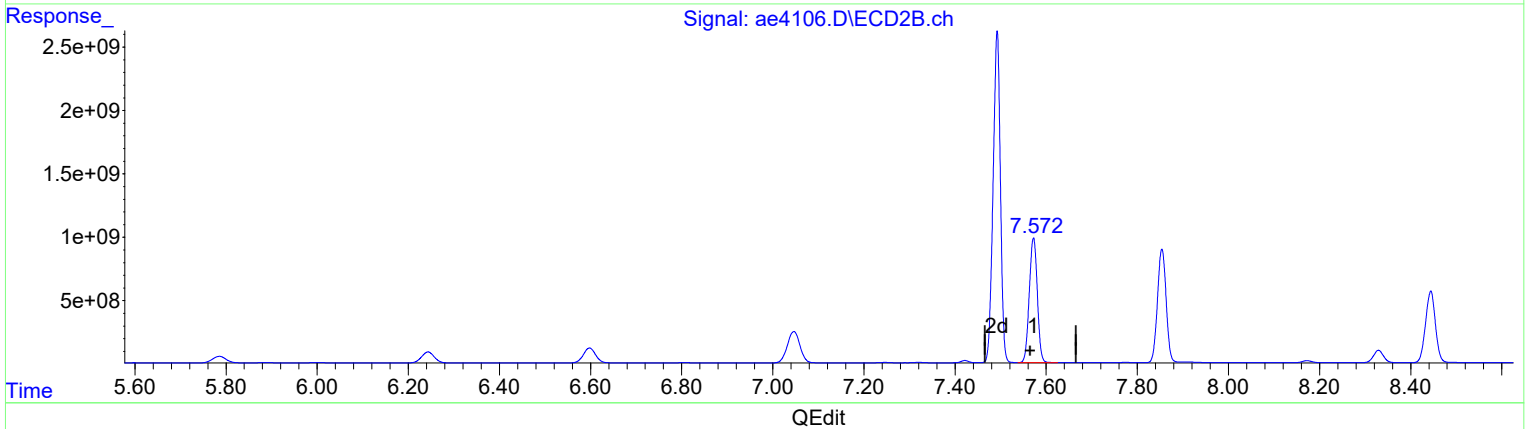
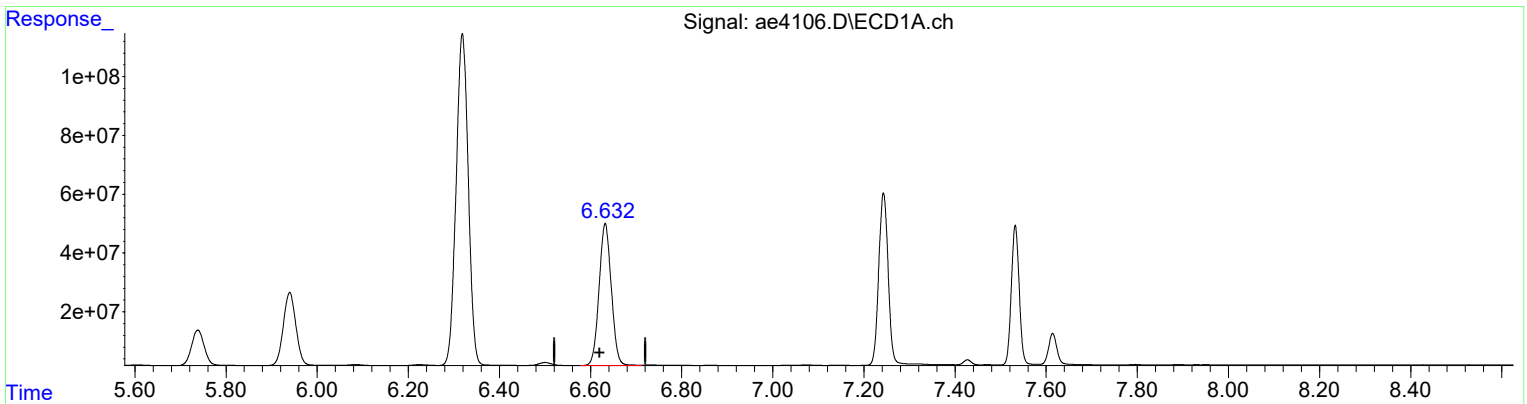
Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:42 am
 Operator : a.moses
 Sample : 8151 250ppb
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:02 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
 6.632min 333.579 UG/L
 response 897511694

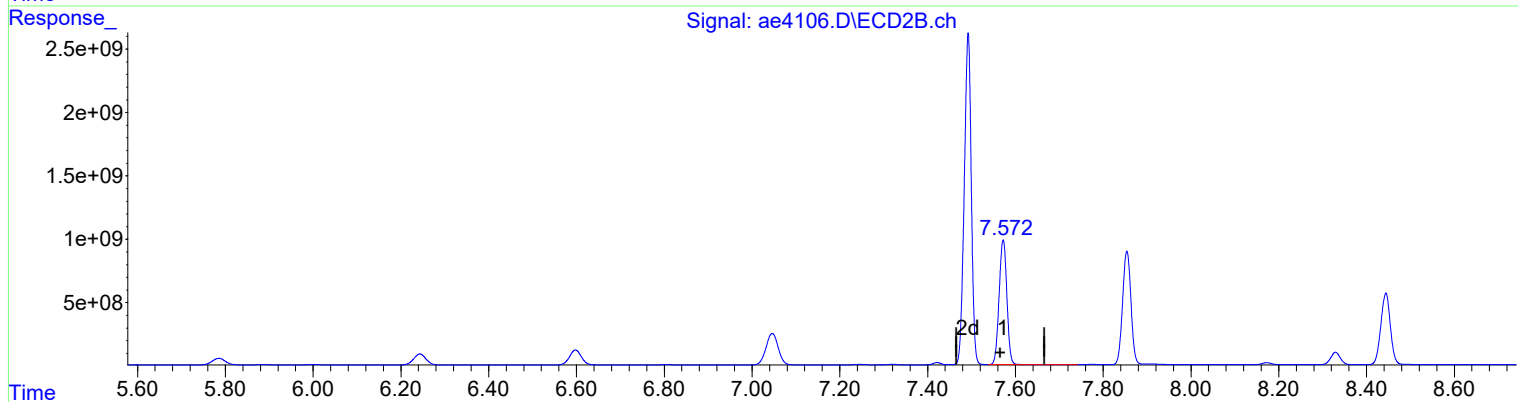
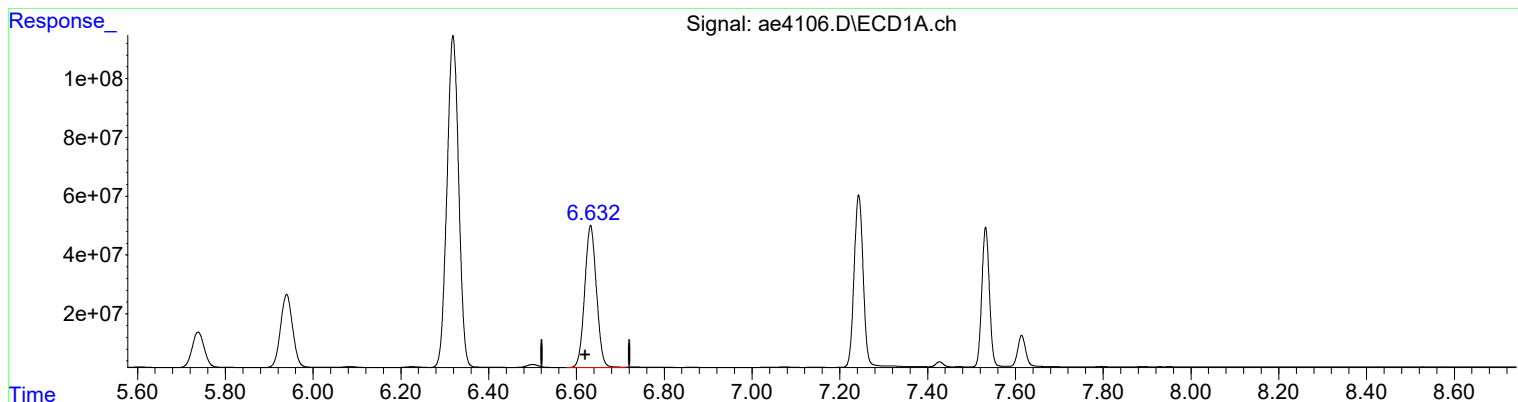
(6) 2,4,5-TP (Silvex) #2 (TC)
 7.572min 354.607 UG/L m
 response 12081968355

Manual Integration:
 After
 Poor integration.
 05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 333.579 UG/L
response 897511694

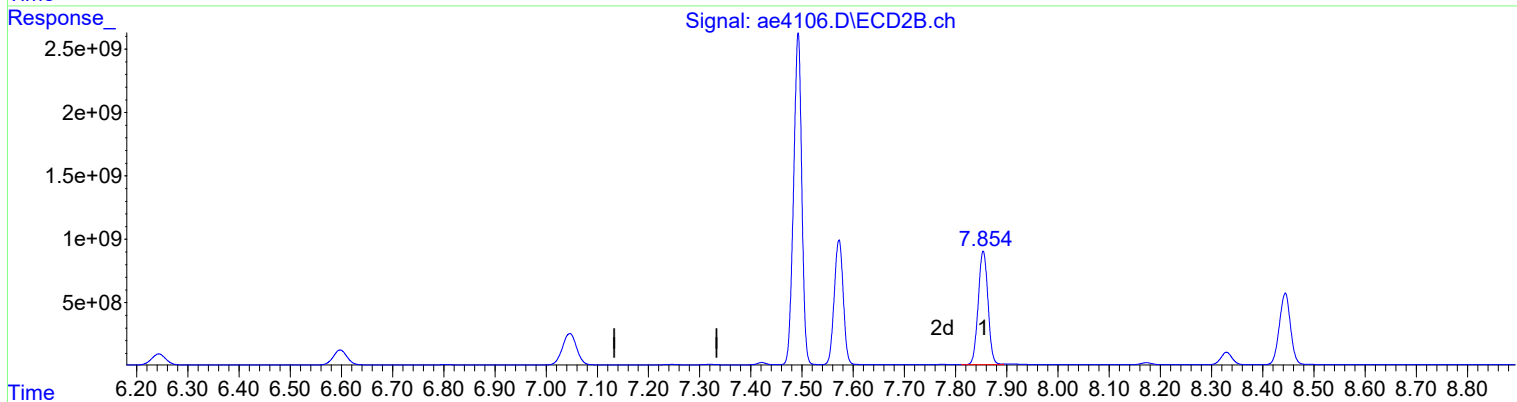
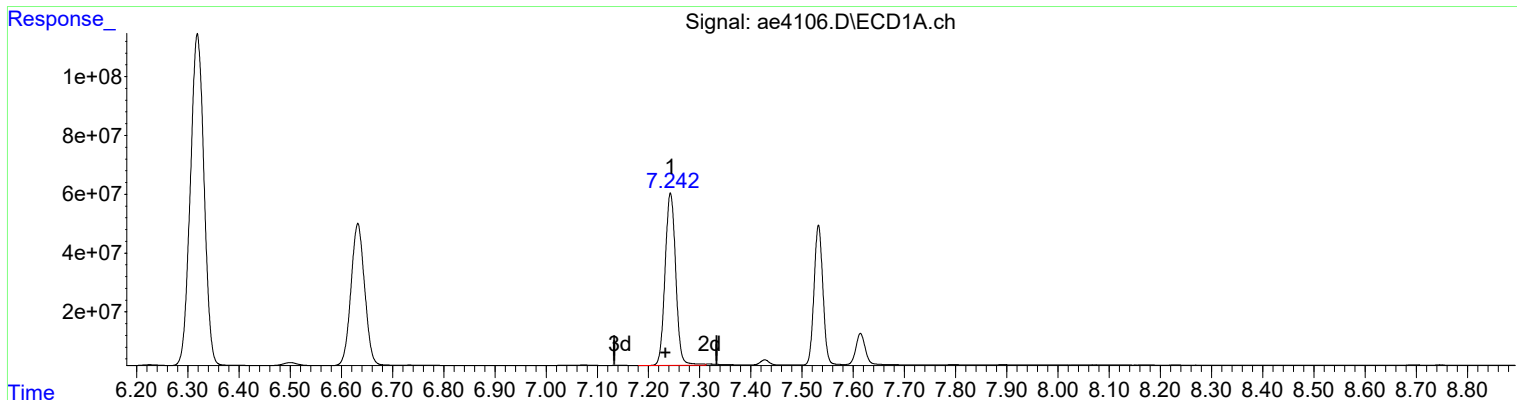
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 355.343 UG/L
response 12107042419

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.243min 330.313 UG/L
response 845503293

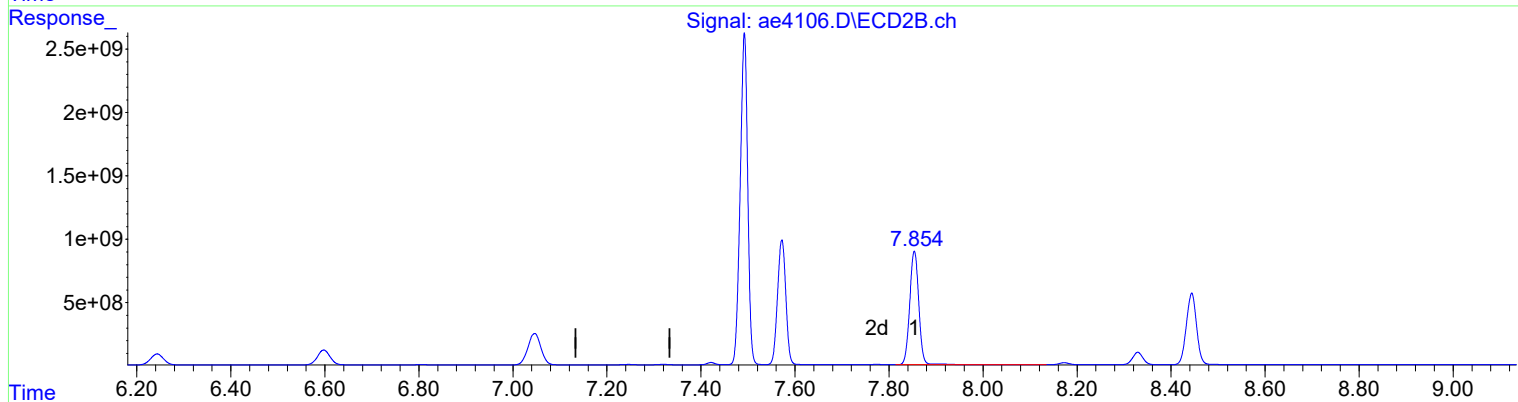
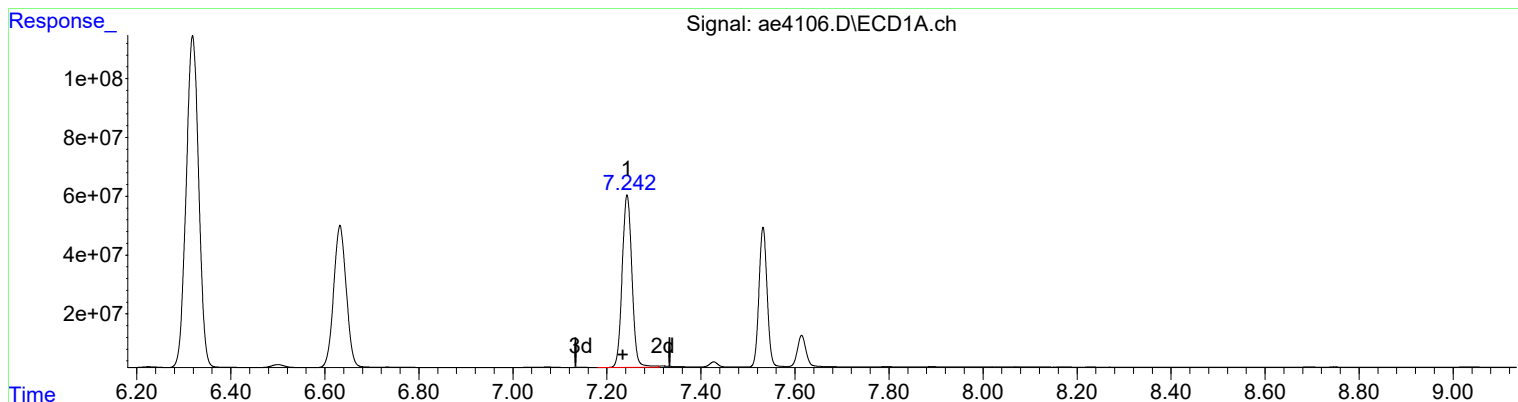
(7) 2,4,5-T #2 (TC)
7.854min 356.722 UG/L m
response 11892879749

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.243min 330.313 UG/L
response 845503293

(7) 2,4,5-T #2 (TC)
7.854min 363.808 UG/L
response 12129112470

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:42 am
 Operator : a.moses
 Sample : 8151 250ppb
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:02 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 SC DCAA	0.830	0.729 E6	12.2	100	0.00
2 TC Dicamba	2.559	2.337 E6	8.7	100	0.00
3 TC Dichloroprop	820.753	728.675 E3	11.2	100	0.00
4 TC 2,4-D	1.057	0.943 E6	10.8	100	0.00
5 TC Pentachlorophenol	9.043	8.393 E6	7.2	100	0.00
6 TC 2,4,5-TP (Silvex)	3.818	3.590 E6	6.0	100	0.00
7 TC 2,4,5-T	3.608	3.382 E6	6.3	100	0.00
8 TC 2,4-DB	624.819	563.417 E3	9.8	100	0.00
9 TC Dinoseb	2.506	2.280 E6	9.0	100	0.00

Signal #2

1 SC DCAA	7.682	6.858 E6	10.7	100	0.00
2 TC Dicamba	25.630	24.031 E6	6.2	100	0.00
3 TC Dichloroprop	7.594	6.815 E6	10.3	100	0.00
4 TC 2,4-D	9.953	9.045 E6	9.1	100	0.00
5 TC Pentachlorophenol	106.488	109.474 E6	-2.8	100	0.00
6 TC 2,4,5-TP (Silvex)	49.479	48.328 E6	2.3	100	0.00
7 TC 2,4,5-T	48.275	47.572 E6	1.5	100	0.00
8 TC 2,4-DB	6.726	6.251 E6	7.1	100	0.00
9 TC Dinoseb	35.845	34.612 E6	3.4	100	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:42 am
 Operator : a.moses
 Sample : 8151 250ppb
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:02 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

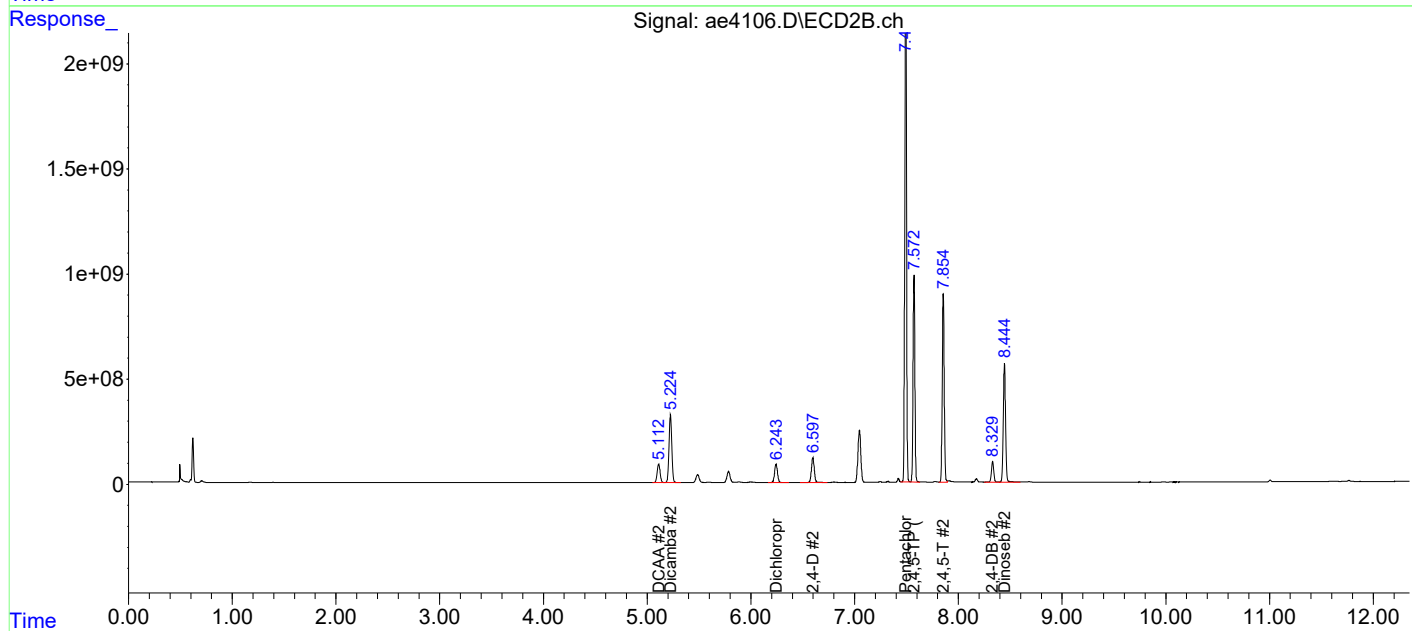
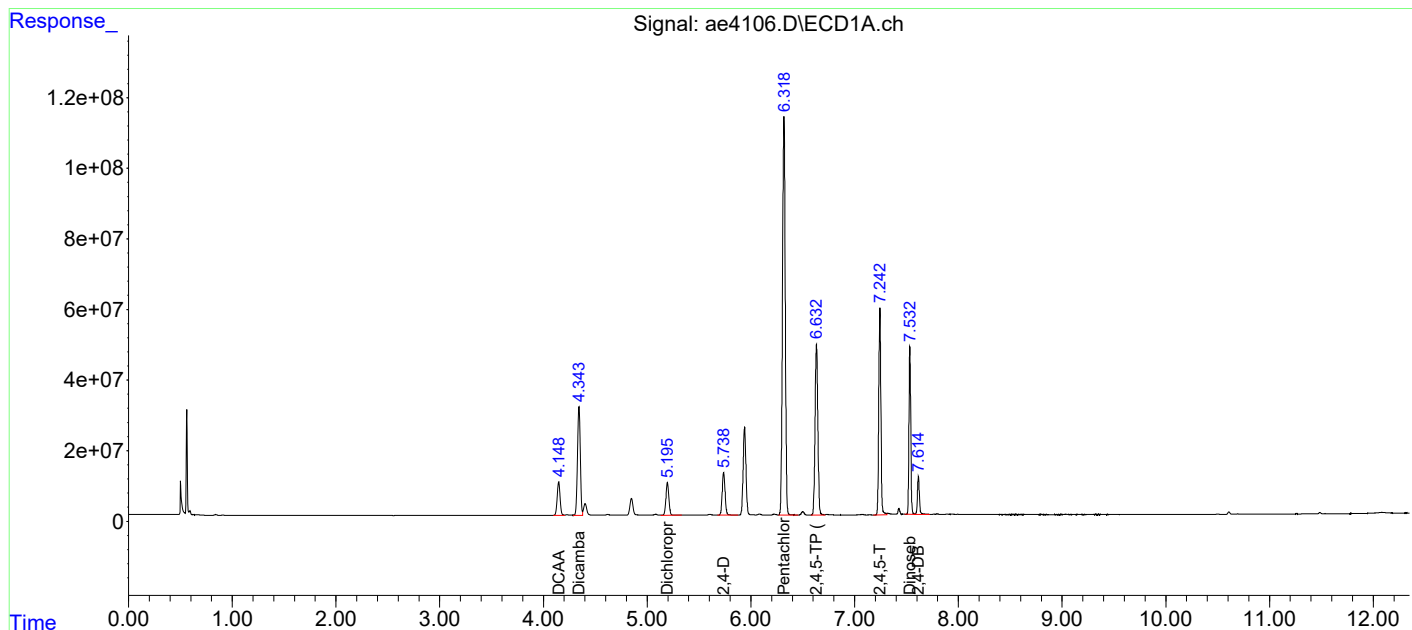
System Monitoring Compounds						
1) SC DCAA	4.148	5.112	182.2E6	1714.4E6	297.909	308.123
Target Compounds						
2) TC Dicamba	4.343	5.225	584.1E6	6007.7E6	308.551	319.985
3) TC Dichloroprop	5.196	6.243	182.2E6	1703.7E6	313.110	319.808
4) TC 2,4-D	5.738	6.598	235.8E6	2261.2E6	310.700	323.913
5) TC Pentachlo...	6.319	7.492	2098.4E6	27368.4E6	317.350	346.862
6) TC 2,4,5-TP ...	6.632	7.572	897.5E6	12082.0E6	333.579	354.607m
7) TC 2,4,5-T	7.243	7.854	845.5E6	11892.9E6	330.313	356.722m
8) TC 2,4-DB	7.614	8.329	140.9E6	1562.8E6	332.648	352.296
9) TC Dinoseb	7.532	8.444	570.1E6	8653.1E6	330.757	364.273

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

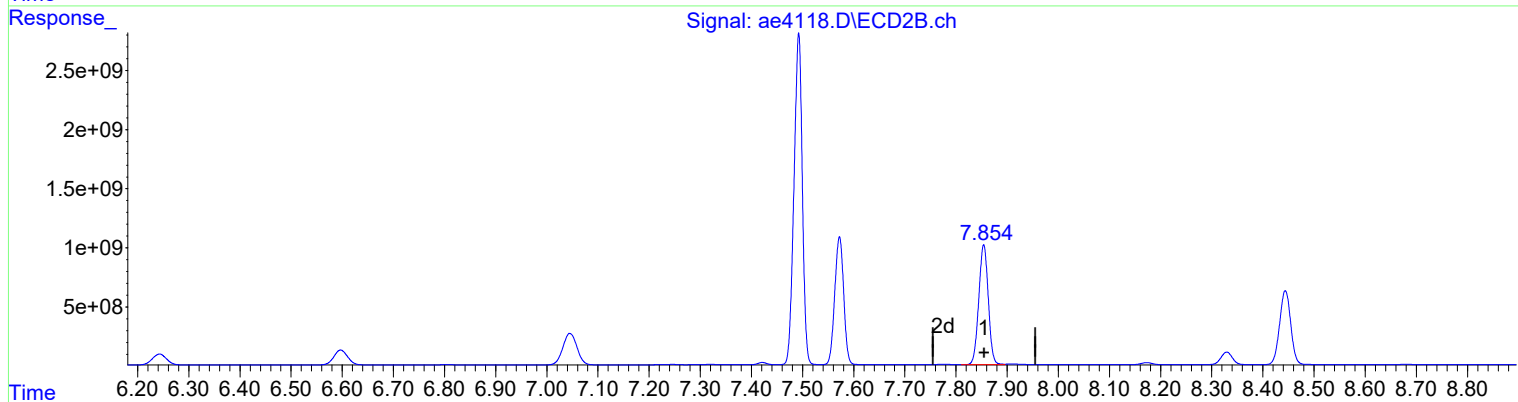
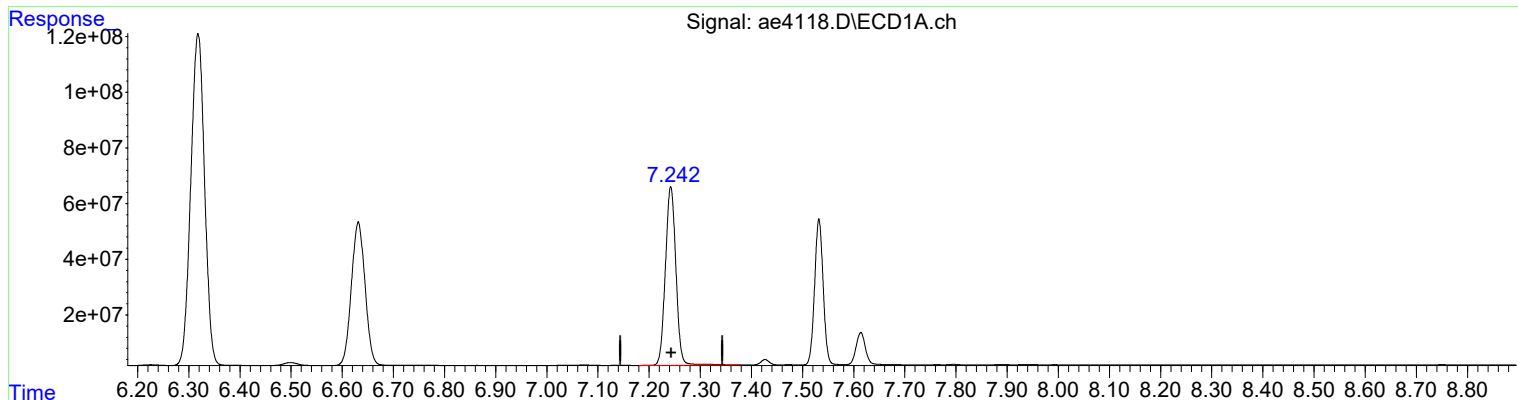
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 02:06 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:43:43 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.242min 253.844 UG/L
response 915777473

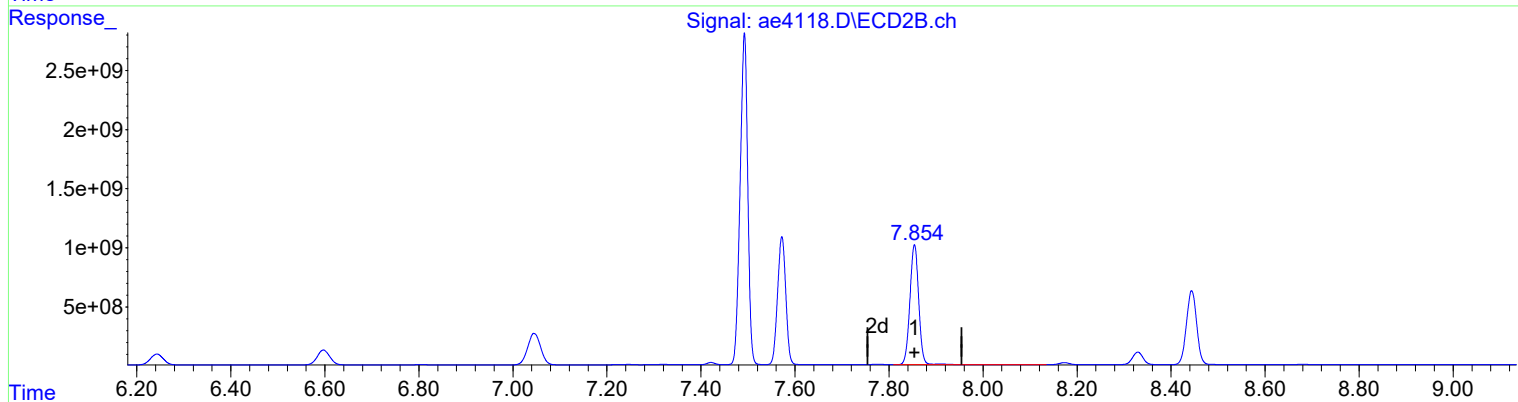
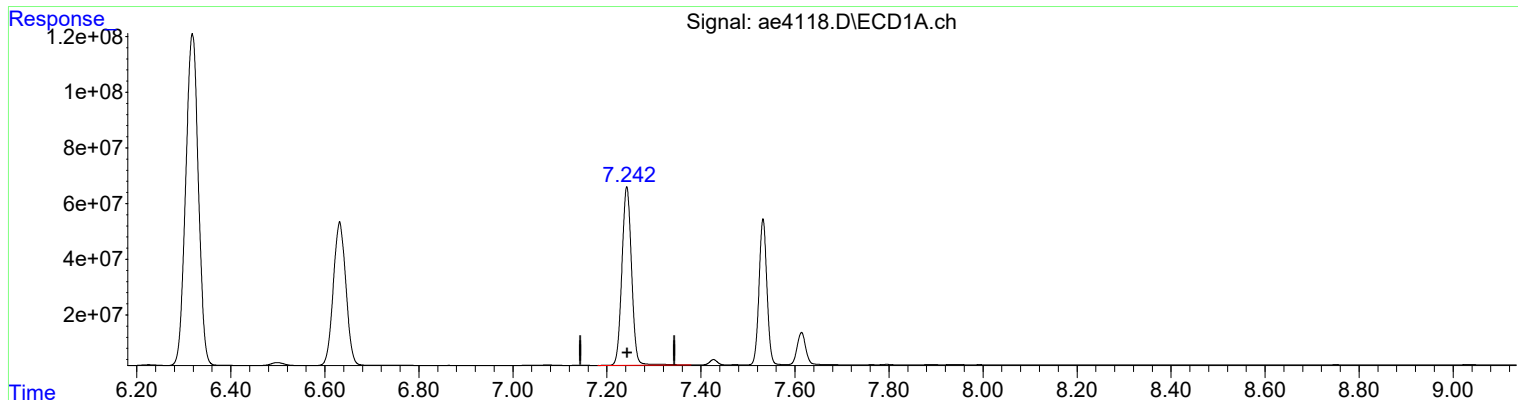
(7) 2,4,5-T #2 (TC)
7.854min 271.427 UG/L m
response 13103101944

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 02:06 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:43:43 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.242min 253.844 UG/L
response 915777473

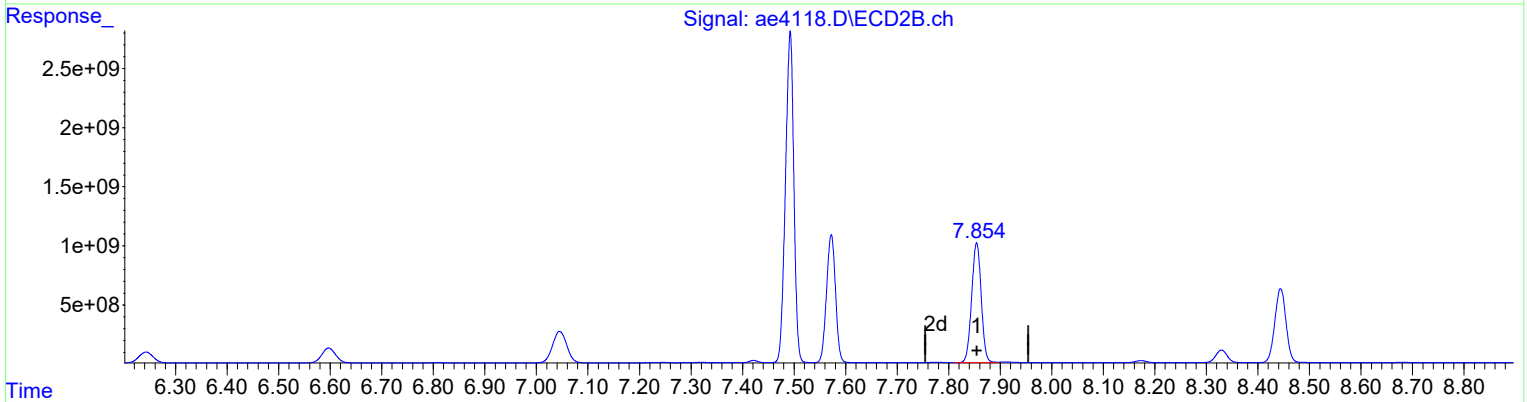
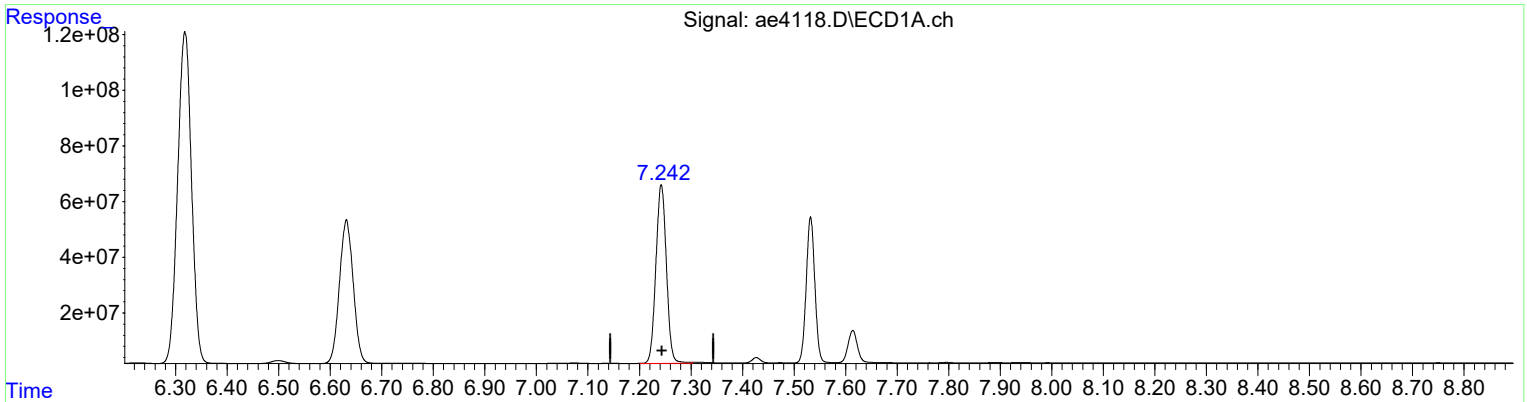
Manual Integration:
Before
05/14/19

(7) 2,4,5-T #2 (TC)
7.854min 275.797 UG/L
response 13314100070

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 02:06 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:43:43 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.242min 251.736 UG/L m
response 908172860

(7) 2,4,5-T #2 (TC)
7.854min 271.427 UG/L m
response 13103101944

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4118.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 02:06 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:43:43 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 SC DCAA	0.830	0.755 E6	9.0	104	0.00
2 TC Dicamba	2.559	2.434 E6	4.9	104	0.00
3 TC Dichloroprop	820.753	753.678 E3	8.2	103	0.00
4 TC 2,4-D	1.057	0.987 E6	6.6	105	0.00
5 TC Pentachlorophenol	9.043	8.922 E6	1.3	106	0.00
6 TC 2,4,5-TP (Silvex)	3.818	3.836 E6	-0.5	107	0.00
7 TC 2,4,5-T	3.608	3.633 E6	-0.7	107	0.00
8 TC 2,4-DB	624.819	601.735 E3	3.7	107	0.00
9 TC Dinoseb	2.506	2.433 E6	2.9	107	0.00

Signal #2

1 SC DCAA	7.682	7.208 E6	6.2	105	0.00
2 TC Dicamba	25.630	25.407 E6	0.9	106	0.00
3 TC Dichloroprop	7.594	7.213 E6	5.0	106	0.00
4 TC 2,4-D	9.953	9.610 E6	3.4	106	0.00
5 TC Pentachlorophenol	106.488	115.532 E6	-8.5	106	0.00
6 TC 2,4,5-TP (Silvex)	49.479	52.628 E6	-6.4	109	0.00
7 TC 2,4,5-T	48.275	52.412 E6	-8.6	110	0.00
8 TC 2,4-DB	6.726	6.971 E6	-3.6	112	0.00
9 TC Dinoseb	35.845	38.335 E6	-6.9	111	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4118.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 02:06 pm
 Operator : a.moses
 Sample : ccv
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 15:43:43 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

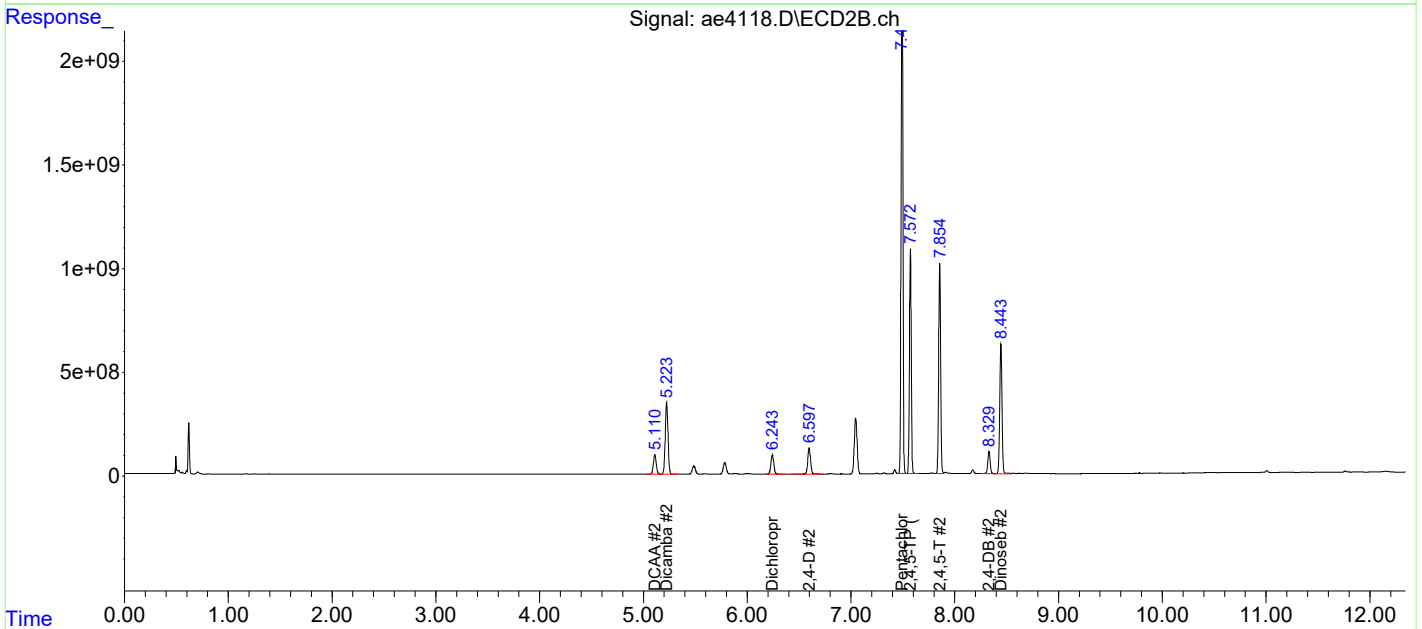
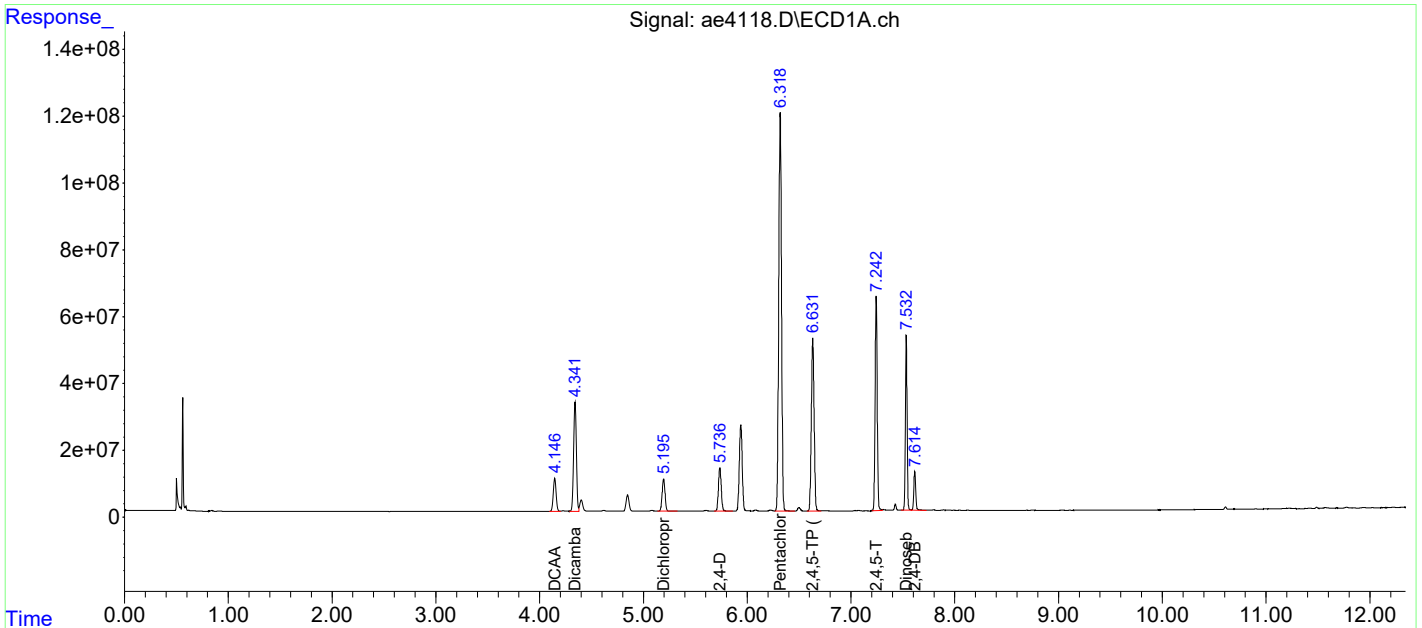
System Monitoring Compounds						
1) SC DCAA	4.146	5.111	188.7E6	1801.9E6	227.251	234.576
Target Compounds						
2) TC Dicamba	4.342	5.225	608.5E6	6351.8E6	237.794	247.828
3) TC Dichloroprop	5.195	6.243	188.4E6	1803.3E6	229.569	237.481
4) TC 2,4-D	5.737	6.597	246.8E6	2402.4E6	233.388	241.363
5) TC Pentachlo...	6.318	7.492	2230.5E6	28883.1E6	246.659	271.234
6) TC 2,4,5-TP ...	6.632	7.572	958.9E6	13156.9E6	251.143	265.908
7) TC 2,4,5-T	7.242	7.854	908.2E6	13103.1E6	251.736m	271.427m
8) TC 2,4-DB	7.614	8.330	150.4E6	1742.8E6	240.764	259.106
9) TC Dinoseb	7.532	8.444	608.4E6	9583.8E6	242.795	267.366

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 02:06 pm
Operator : a.moses
Sample : ccv
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 15:43:43 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4109.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 11:33 am
 Operator : a.moses
 Sample : 8151 icv
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 12:04:27 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
2 TC Dicamba	250.000	253.585	-1.4	111	0.00
3 TC Dichloroprop	250.000	233.883	6.4	105	0.00
4 TC 2,4-D	250.000	232.181	7.1	104	0.00
5 TC Pentachlorophenol	250.000	241.831	3.3	104	0.00
6 TC 2,4,5-TP (Silvex)	250.000	243.945	2.4	104	0.00
7 TC 2,4,5-T	250.000	262.603	-5.0	112	0.00
8 TC 2,4-DB	250.000	252.975	-1.2	112	0.00
9 TC Dinoseb	250.000	243.160	2.7	107	0.00

Signal #2

2 TC Dicamba	250.000	263.340	-5.3	112	0.00
3 TC Dichloroprop	250.000	239.676	4.1	107	0.00
4 TC 2,4-D	250.000	234.581	6.2	103	0.00
5 TC Pentachlorophenol	250.000	268.969	-7.6	105	0.00
6 TC 2,4,5-TP (Silvex)	250.000	255.039	-2.0	104	0.00
7 TC 2,4,5-T	250.000	280.722	-12.3	114	0.00
8 TC 2,4-DB	250.000	259.293	-3.7	112	0.00
9 TC Dinoseb	250.000	259.768	-3.9	108	0.00

Evaluate Continuing Calibration Report - Not Found

1 SC DCAA	250.000	0.000	100.0#	0	-4.15#
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Signal #2

1 SC DCAA	250.000	0.000	100.0#	0	-5.11#
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(#) = Out of Range

SPCC's out = 0 CCC's out = 2

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4102.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 09:35 am
 Operator : a.moses
 Sample : blk
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:58:51 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

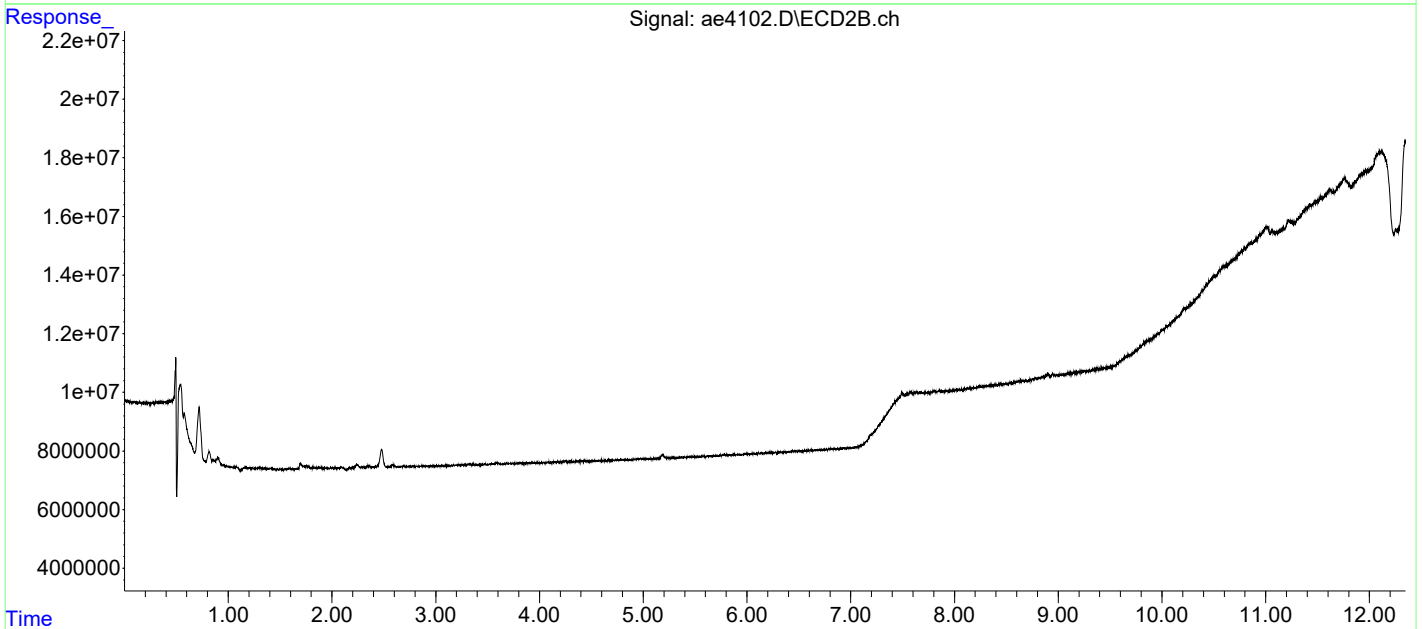
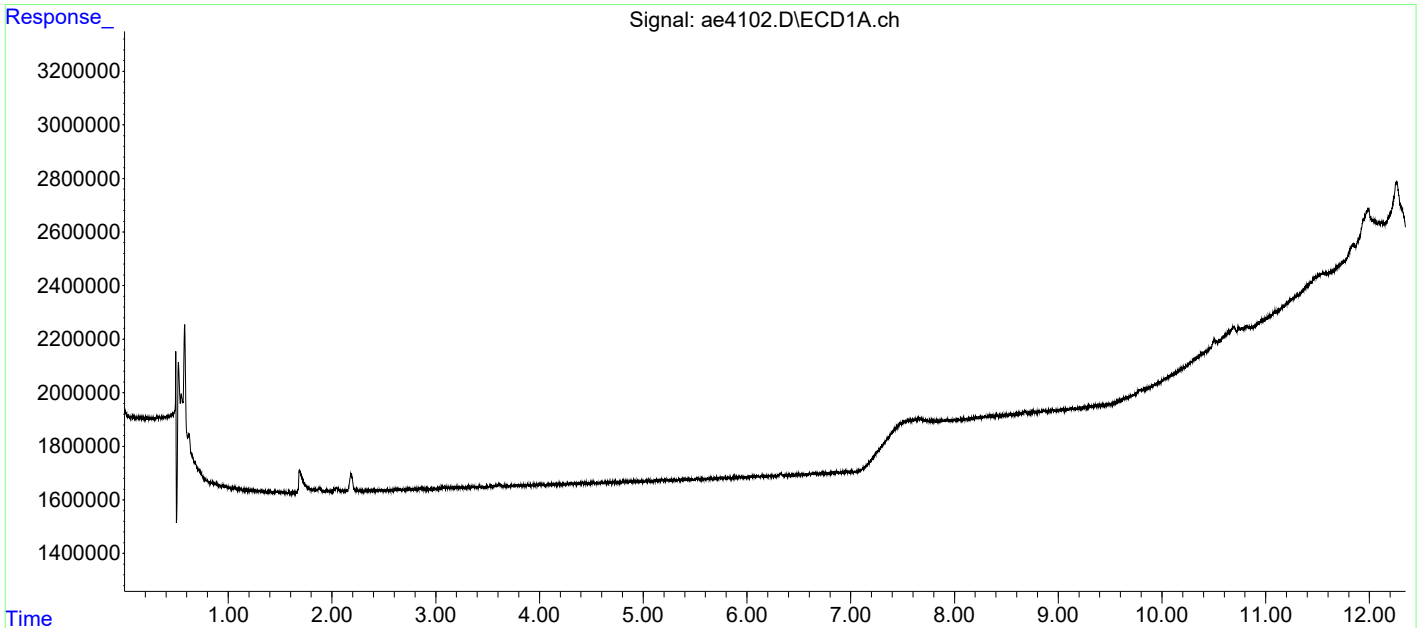
System Monitoring Compounds						
1) SC DCAA	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) TC Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
3) TC Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
4) TC 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
5) TC Pentachlo...	0.000	0.000	0	0	N.D. d	N.D. d
6) TC 2,4,5-TP ...	0.000	0.000	0	0	N.D. d	N.D. d
7) TC 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
8) TC 2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
9) TC Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4102.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:35 am
Operator : a.moses
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:51 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

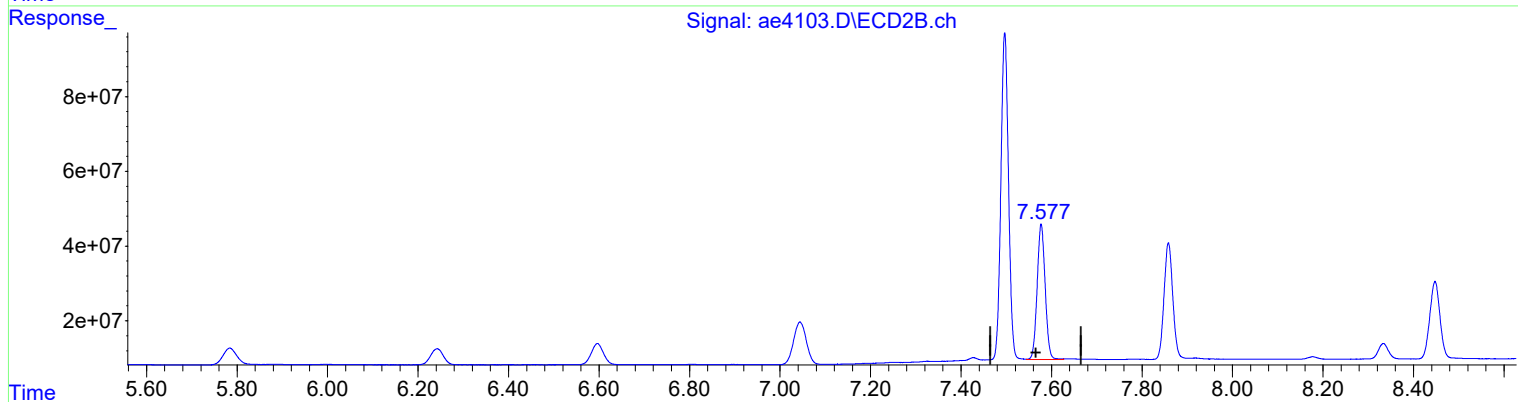
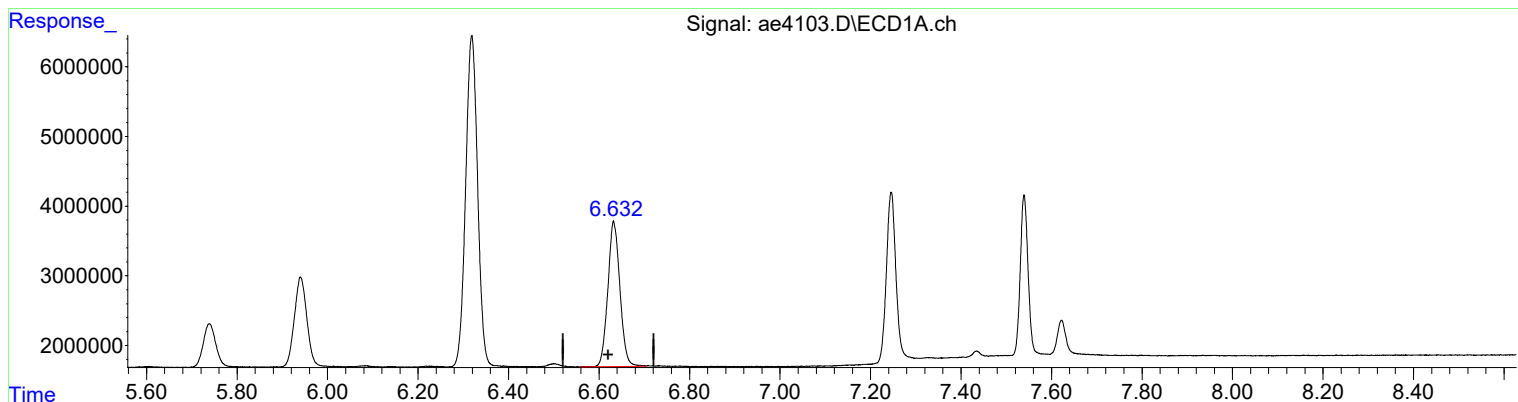
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:52 am
Operator : a.moses
Sample : 8151 10ppb
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:54 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 14.336 UG/L
response 38572385

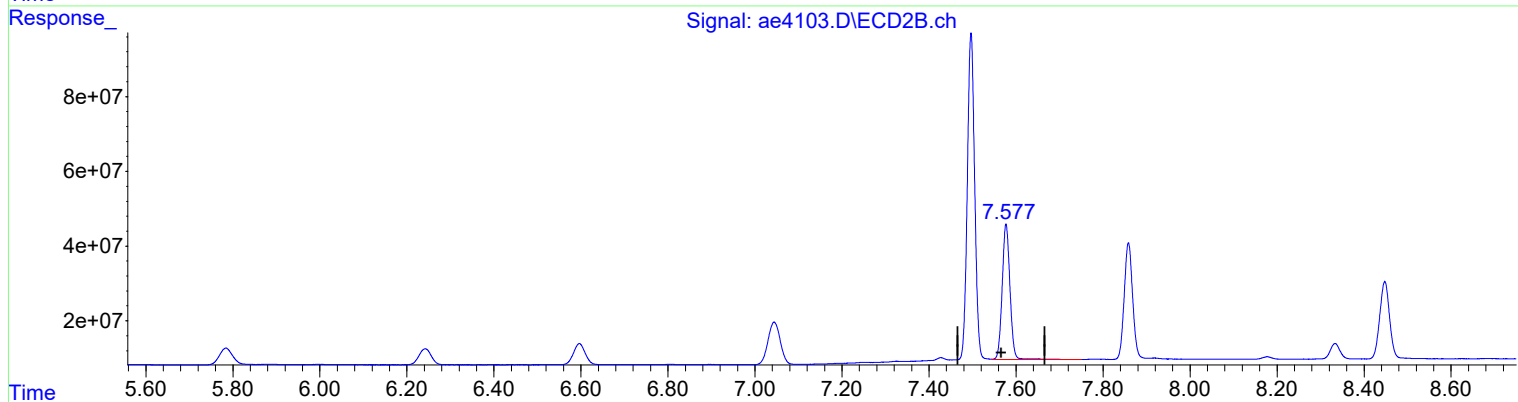
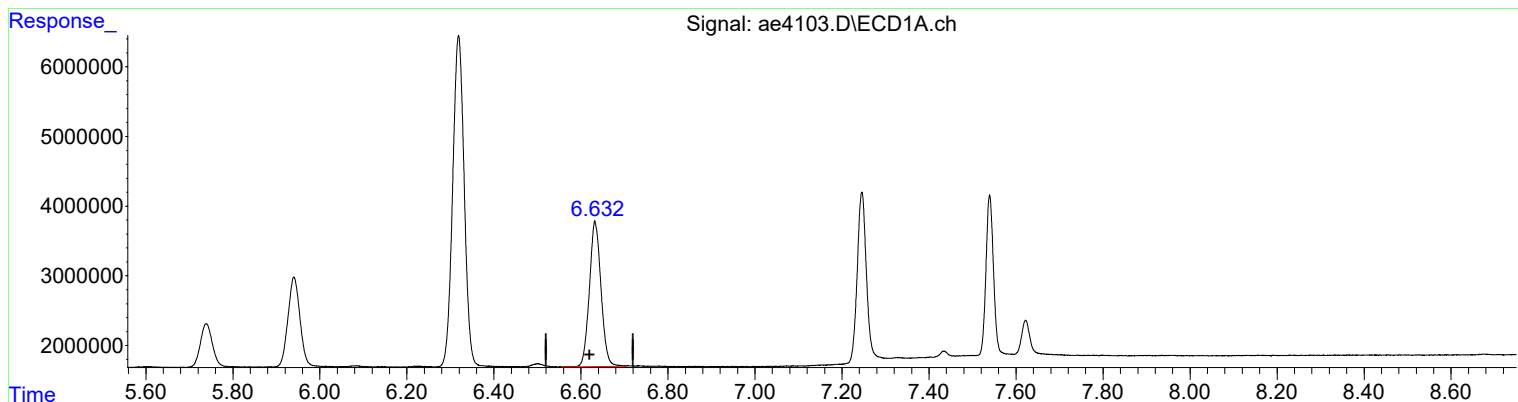
(6) 2,4,5-TP (Silvex) #2 (TC)
7.577min 13.076 UG/L m
response 445513516

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:52 am
Operator : a.moses
Sample : 8151 10ppb
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:54 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 14.336 UG/L
response 38572385

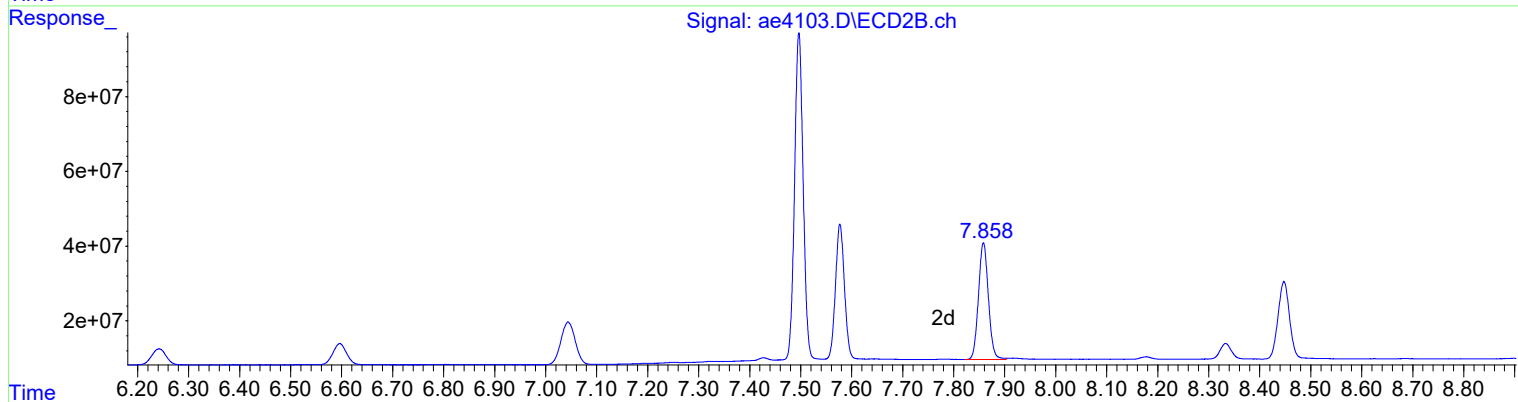
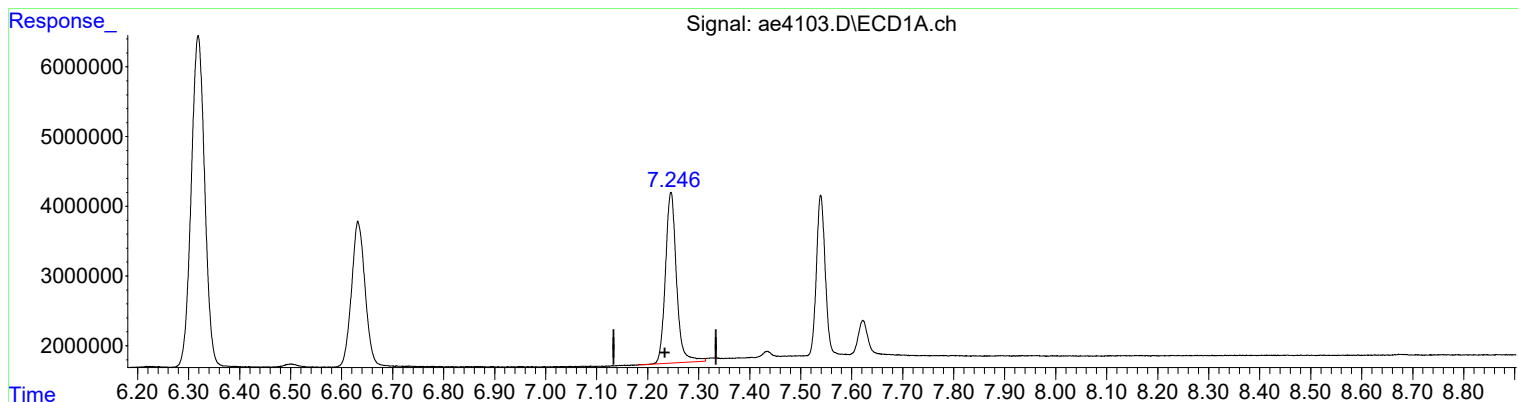
Manual Integration:
Before
05/14/19

(6) 2,4,5-TP (Silvex) #2 (TC)
7.577min 13.262 UG/L
response 451868358

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:52 am
Operator : a.moses
Sample : 8151 10ppb
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:54 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.246min 14.414 UG/L
response 36895038

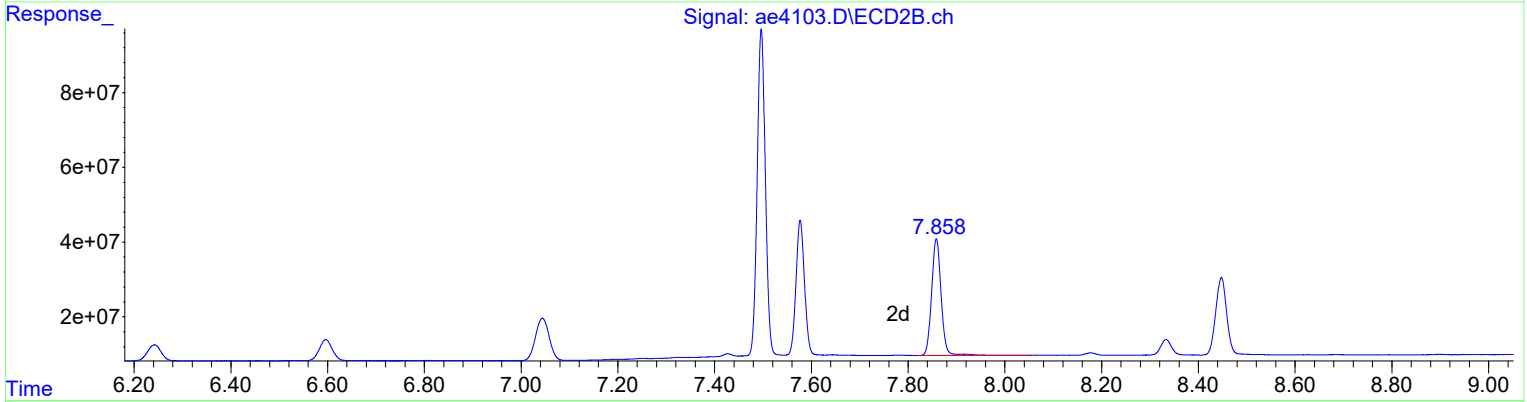
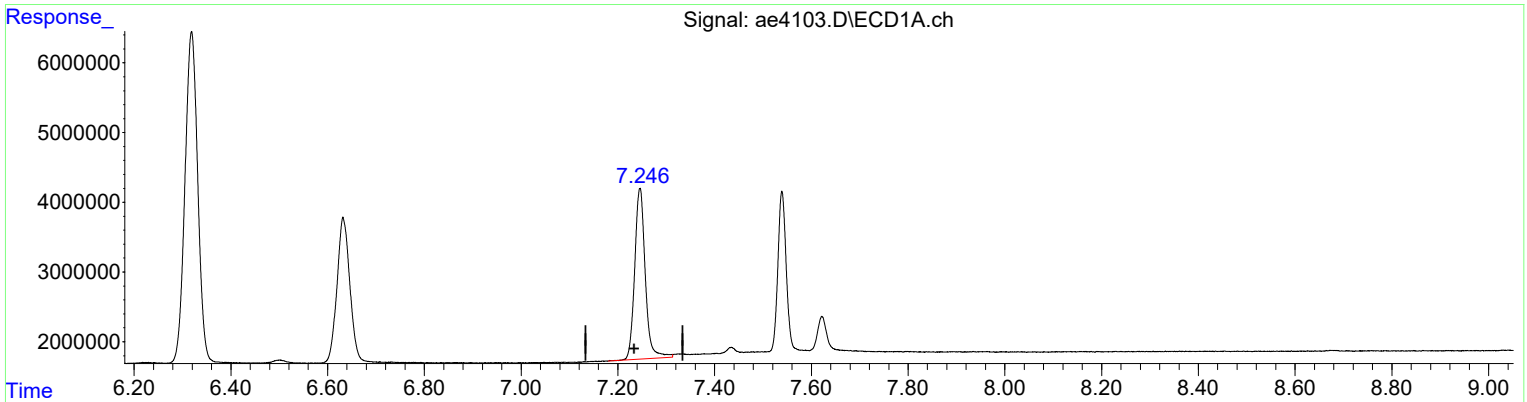
(7) 2,4,5-T #2 (TC)
7.858min 12.645 UG/L m
response 421565758

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:52 am
Operator : a.moses
Sample : 8151 10ppb
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:54 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.246min 14.414 UG/L
response 36895038

(7) 2,4,5-T #2 (TC)
7.859min 12.986 UG/L
response 432952263

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4103.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 09:52 am
 Operator : a.moses
 Sample : 8151 10ppb
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:58:54 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

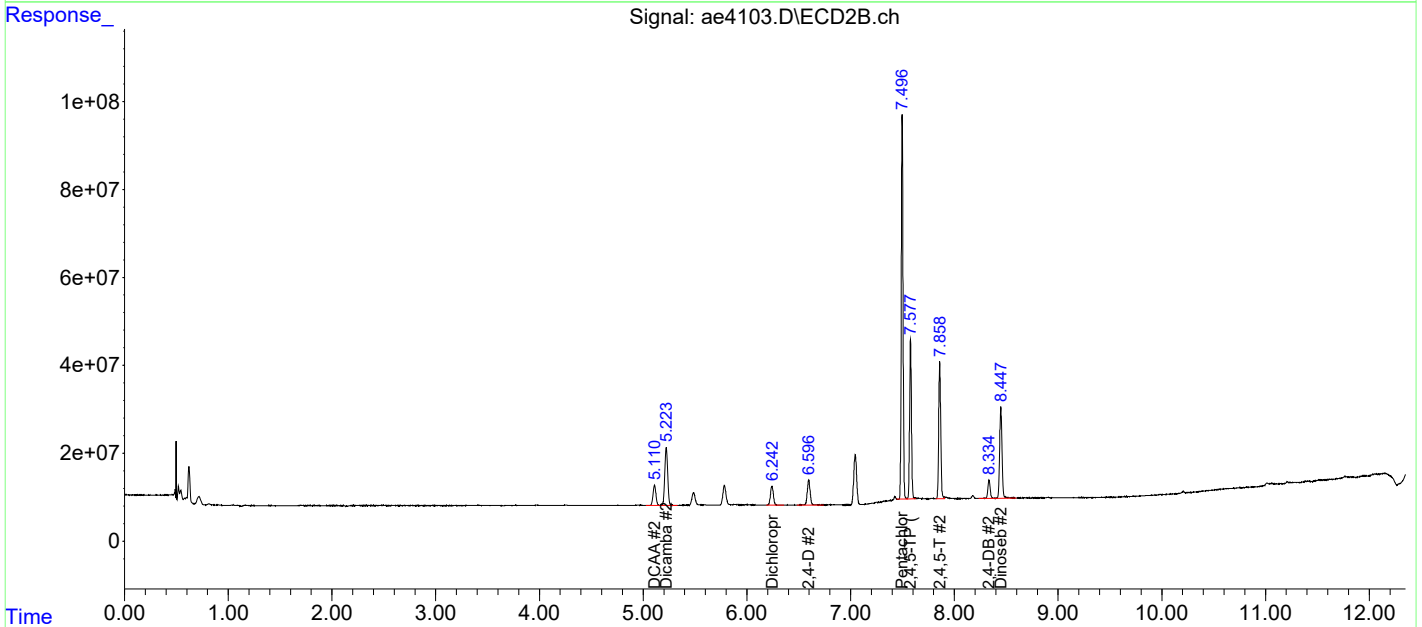
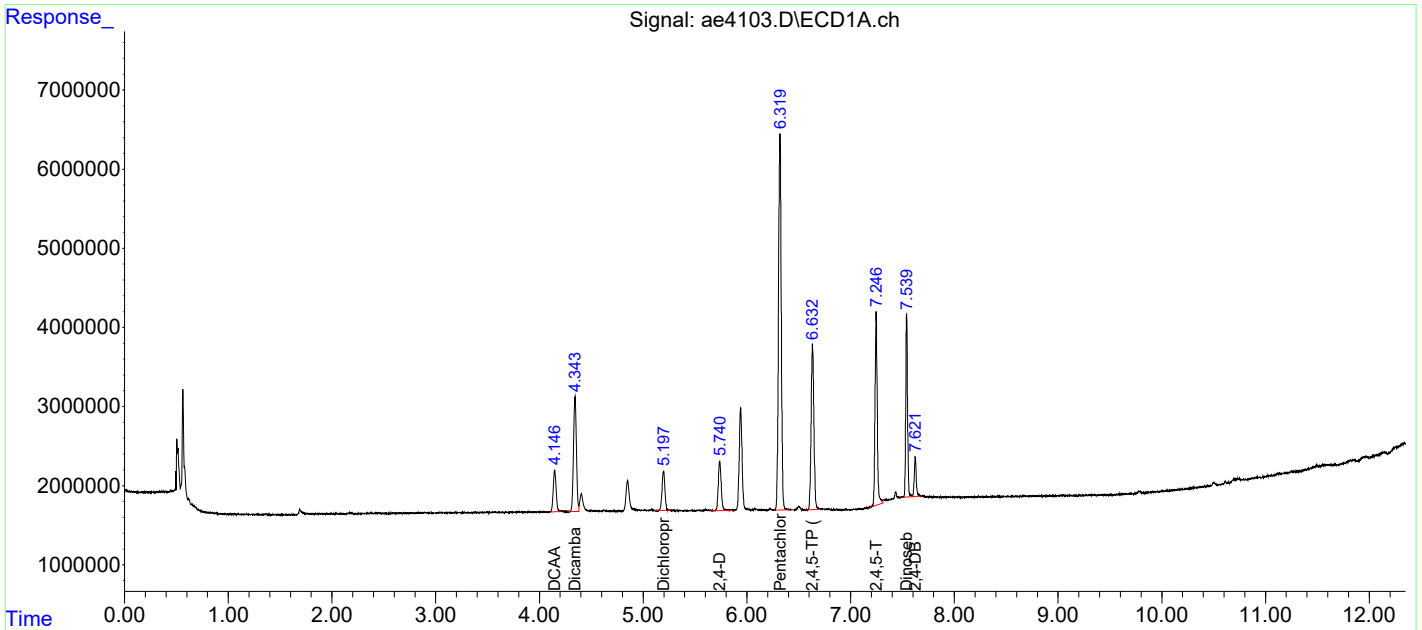
System Monitoring Compounds						
1) SC DCAA	4.147	5.111	10131260	89884362	16.569	16.155
Target Compounds						
2) TC Dicamba	4.344	5.224	28301609	259.5E6	14.949	13.819
3) TC Dichloroprop	5.198	6.242	9723059	86977009	16.712	16.327
4) TC 2,4-D	5.739	6.596	12462757	111.5E6	16.419	15.970
5) TC Pentachlo...	6.319	7.497	87447566	1020.8E6	13.225	12.937
6) TC 2,4,5-TP ...	6.632	7.577	38572385	445.5E6	14.336	13.076m
7) TC 2,4,5-T	7.246	7.858	36895038	421.6E6	14.414	12.645m
8) TC 2,4-DB	7.622	8.334	6765869	67264829	15.979	15.163
9) TC Dinoseb	7.539	8.448	27666750	334.0E6	16.053	14.062

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 09:52 am
Operator : a.moses
Sample : 8151 10ppb
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:54 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

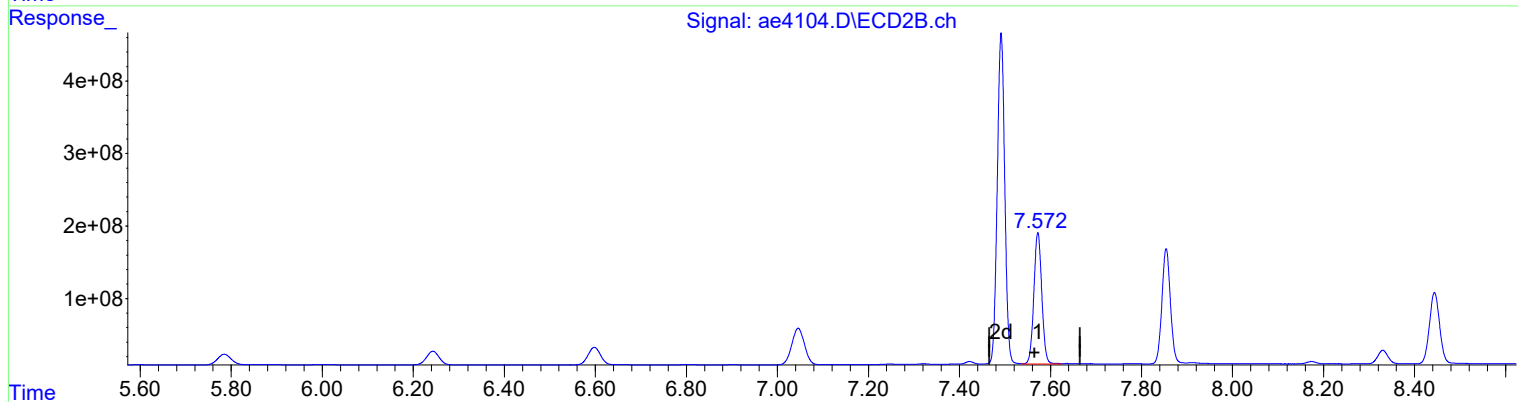
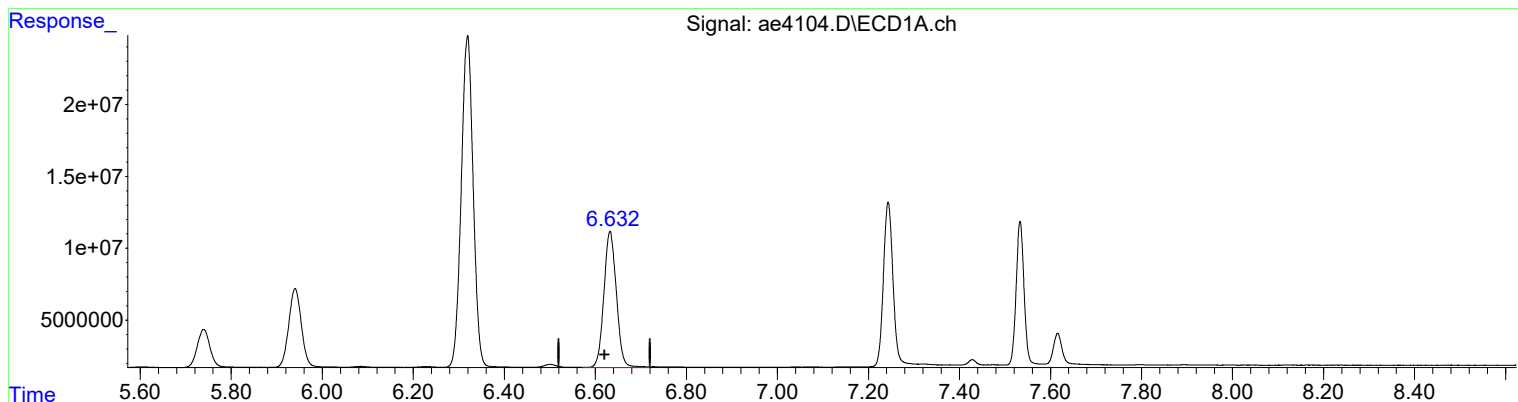
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:09 am
Operator : a.moses
Sample : 8151 50ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:56 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 66.824 UG/L
response 179792346

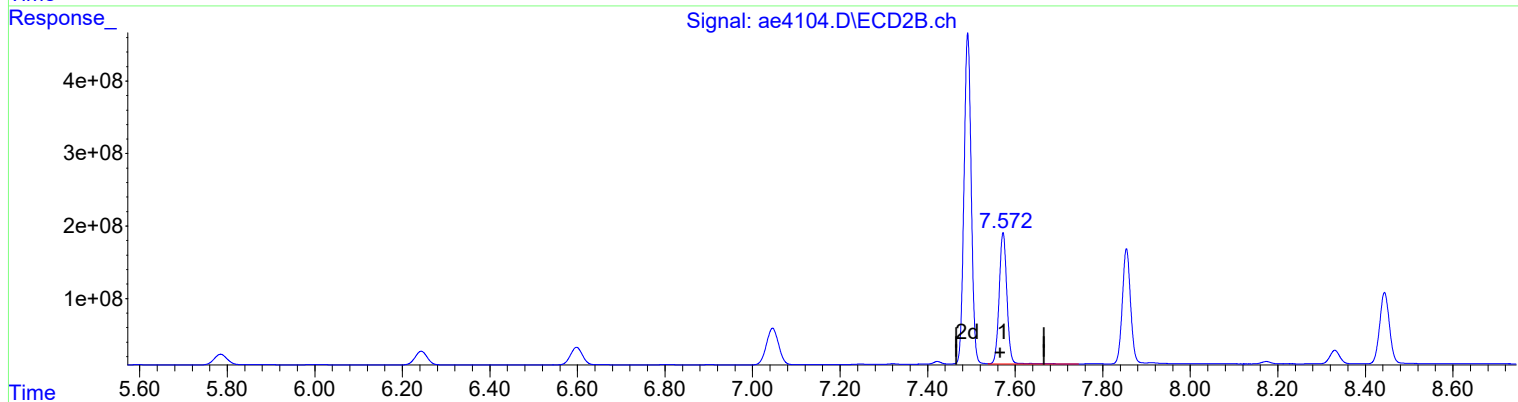
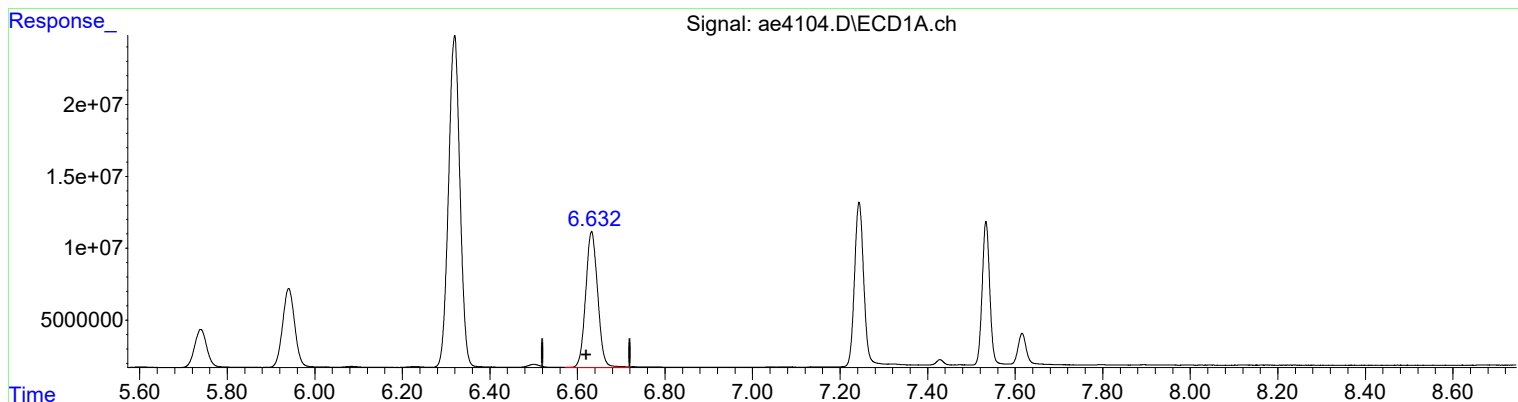
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 64.169 UG/L m
response 2186342131

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:09 am
Operator : a.moses
Sample : 8151 50ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:56 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 66.824 UG/L
response 179792346

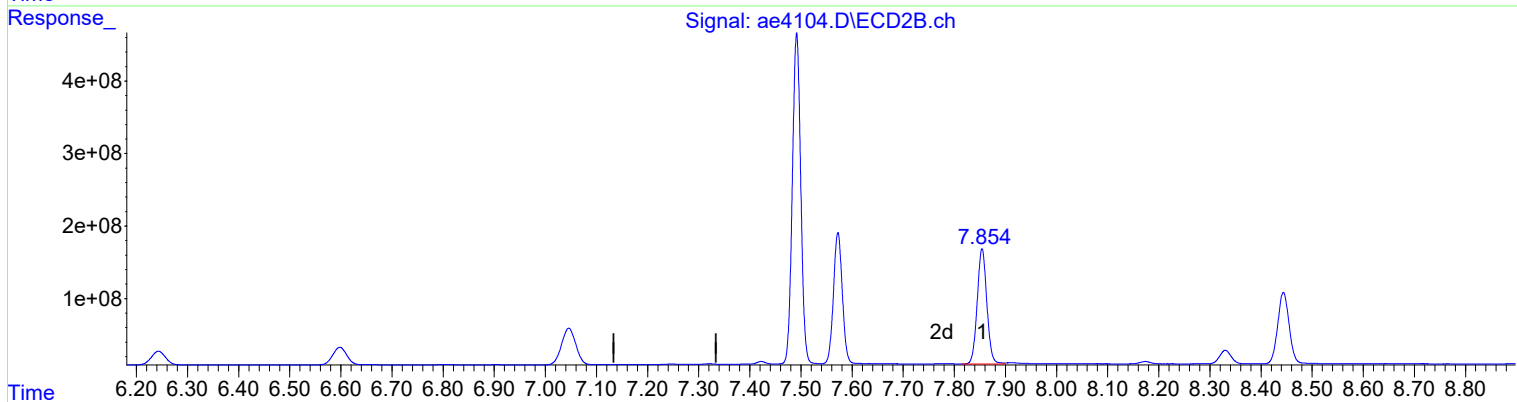
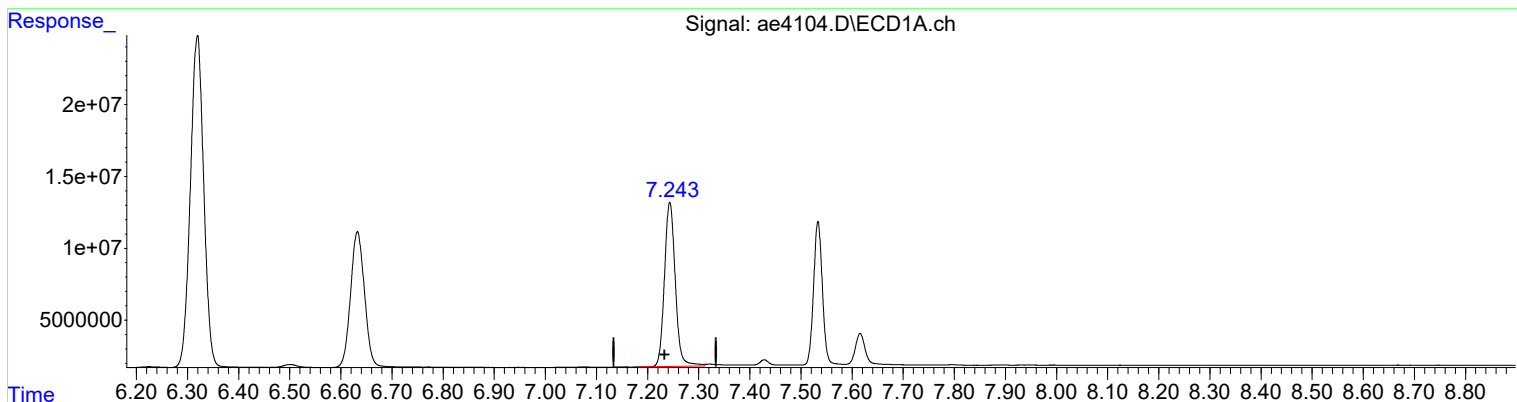
(6) 2,4,5-TP (Silvex) #2 (TC)
7.573min 64.603 UG/L
response 2201123707

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:09 am
Operator : a.moses
Sample : 8151 50ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:56 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.244min 65.908 UG/L
response 168704138

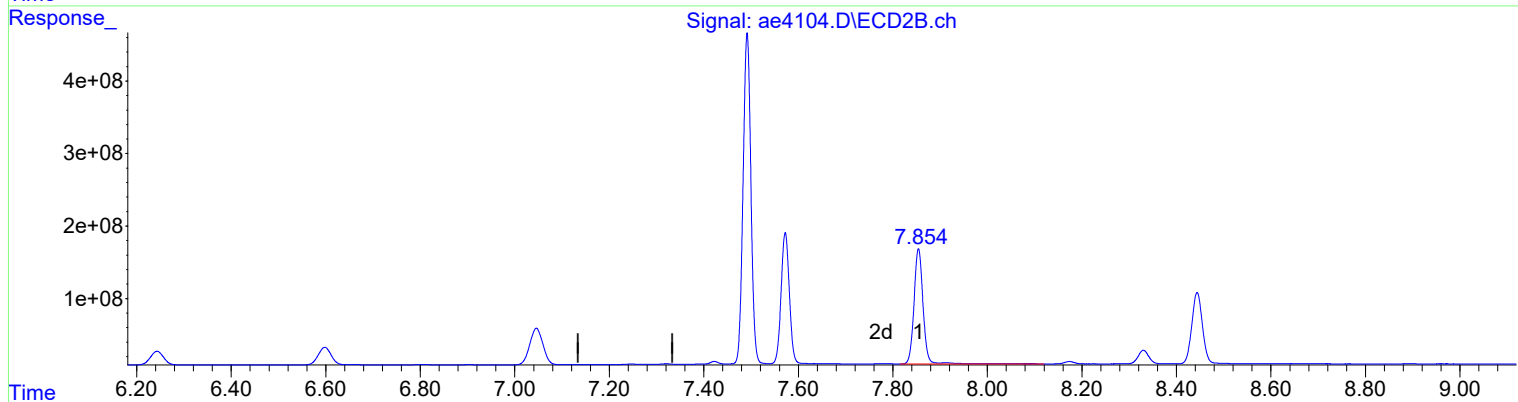
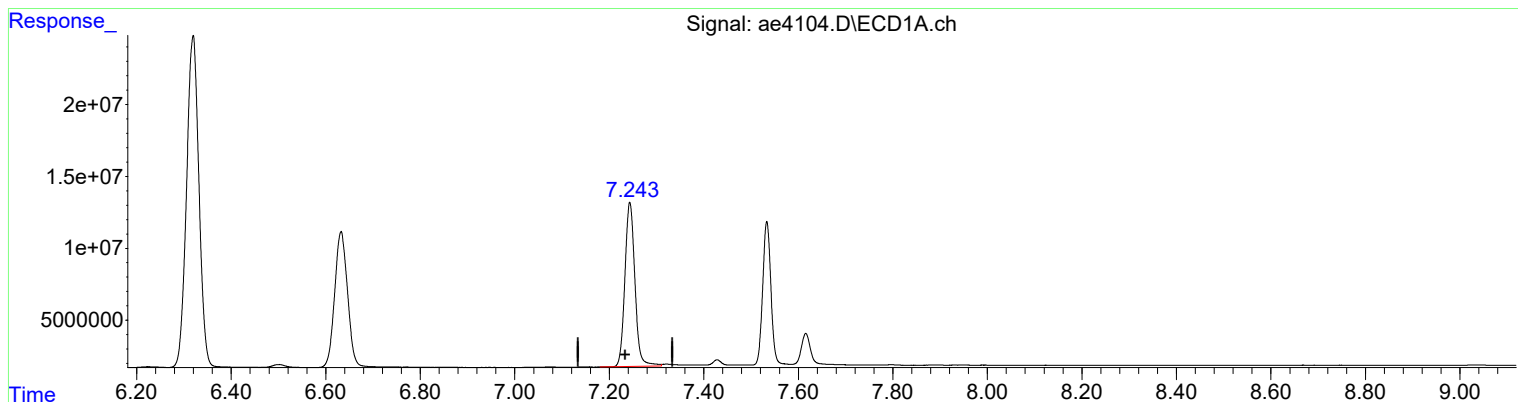
(7) 2,4,5-T #2 (TC)
7.854min 62.197 UG/L m
response 2073596141

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:09 am
Operator : a.moses
Sample : 8151 50ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:56 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.244min 65.908 UG/L
response 168704138

Manual Integration:
Before
05/14/19

(7) 2,4,5-T #2 (TC)
7.854min 63.914 UG/L
response 2130860376

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4104.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:09 am
 Operator : a.moses
 Sample : 8151 50ppb
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:58:56 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

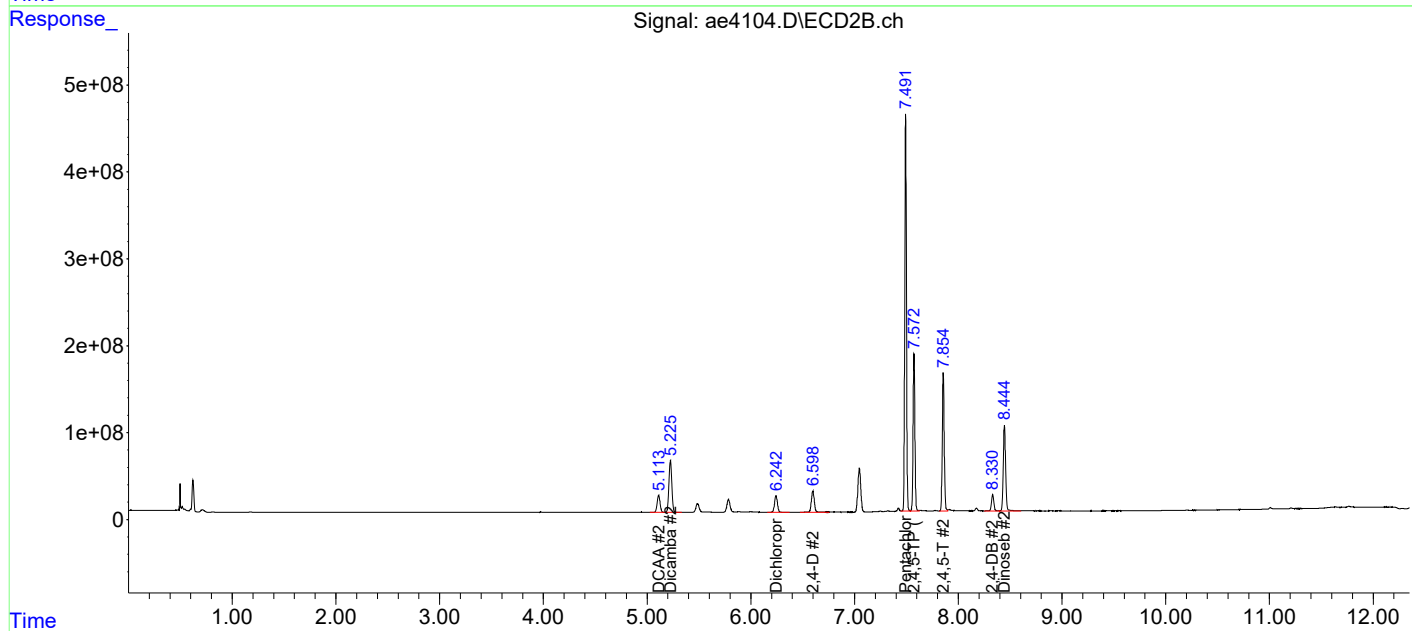
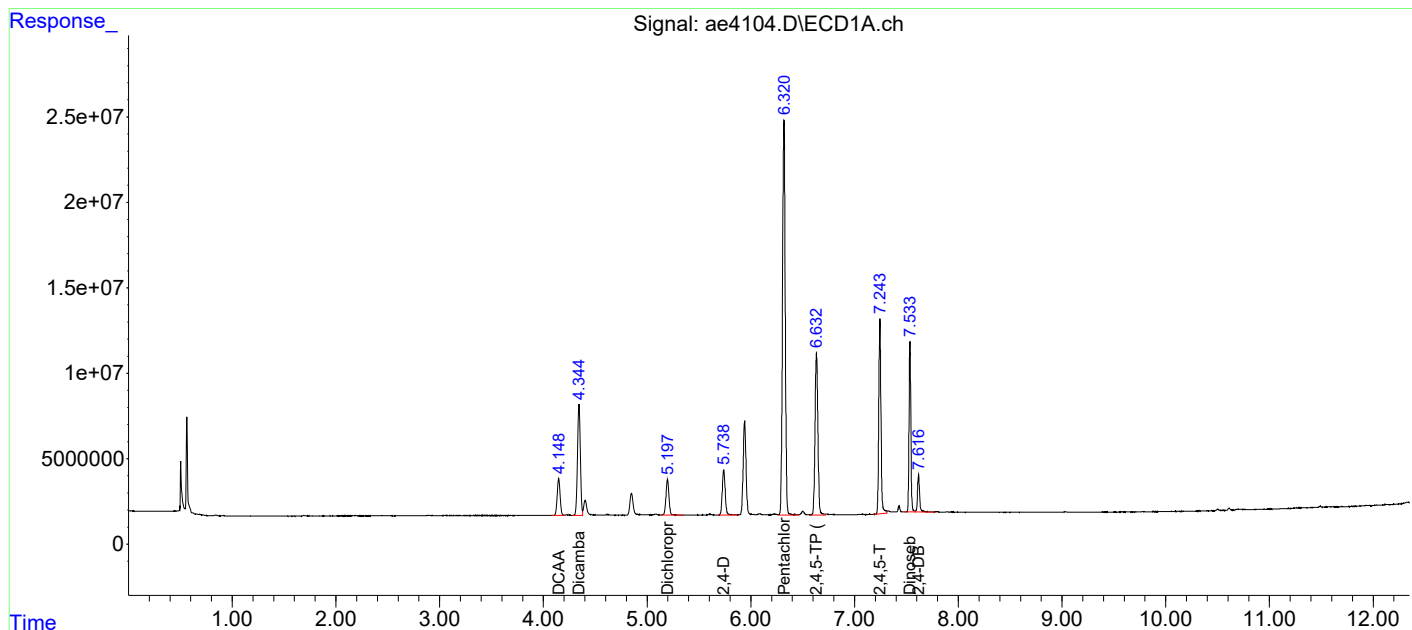
System Monitoring Compounds						
1) SC DCAA	4.148	5.112	42414837	378.1E6	69.365	67.964
Target Compounds						
2) TC Dicamba	4.344	5.225	124.1E6	1159.6E6	65.547	61.765
3) TC Dichloroprop	5.197	6.243	41619160	372.0E6	71.535	69.829
4) TC 2,4-D	5.740	6.598	52703488	482.8E6	69.435	69.159
5) TC Pentachlo...	6.319	7.492	421.1E6	5207.1E6	63.687	65.994
6) TC 2,4,5-TP ...	6.632	7.572	179.8E6	2186.3E6	66.824	64.169m
7) TC 2,4,5-T	7.244	7.854	168.7E6	2073.6E6	65.908	62.197m
8) TC 2,4-DB	7.616	8.330	31265715	307.1E6	73.839	69.218
9) TC Dinoseb	7.533	8.444	119.7E6	1564.6E6	69.462	65.866

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:09 am
Operator : a.moses
Sample : 8151 50ppb
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:56 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

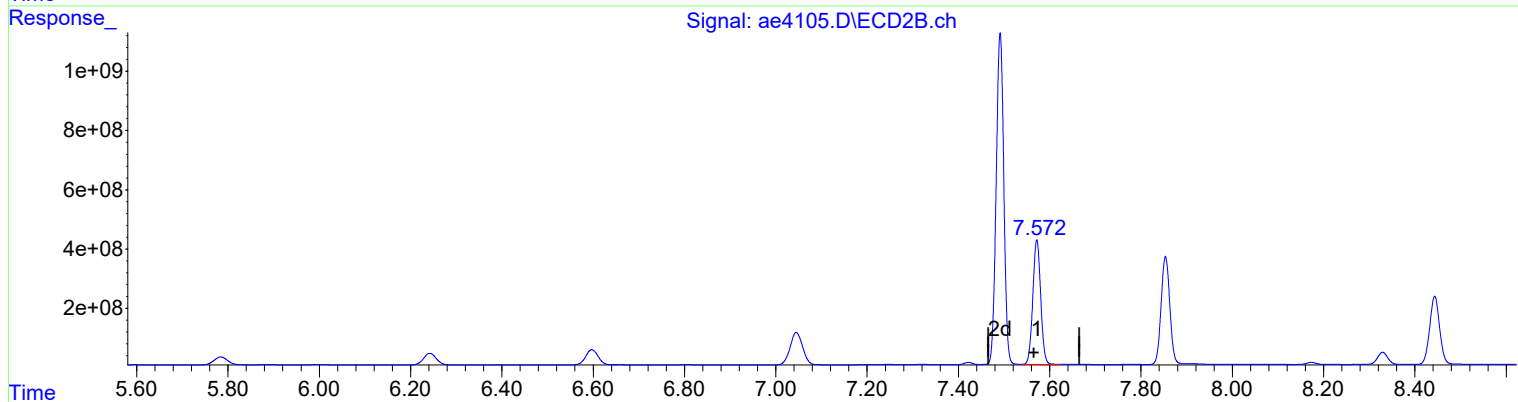
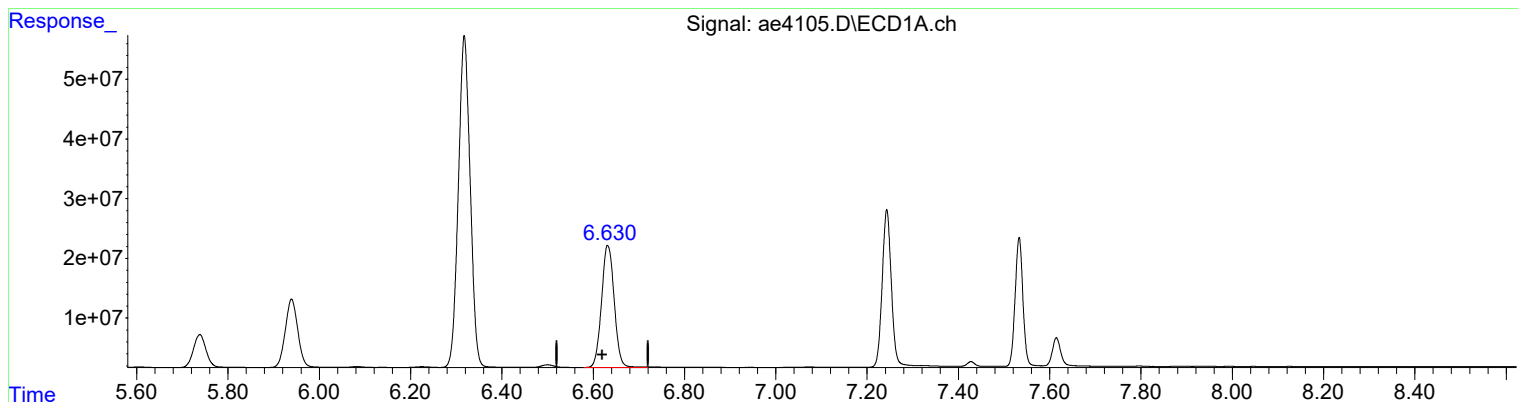
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:25 am
Operator : a.moses
Sample : 8151 100ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:59 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 146.315 UG/L
response 393668383

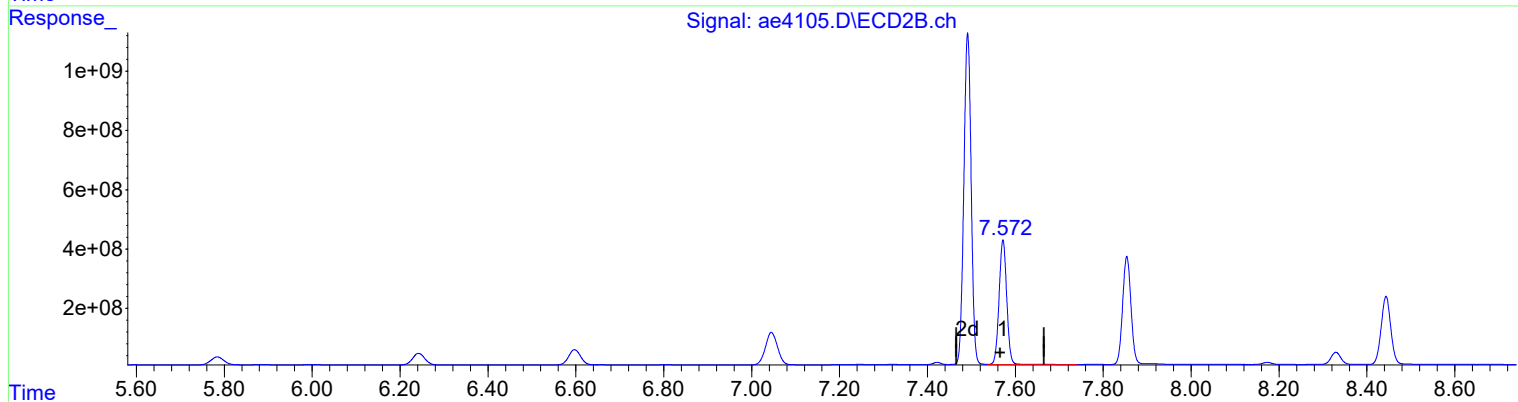
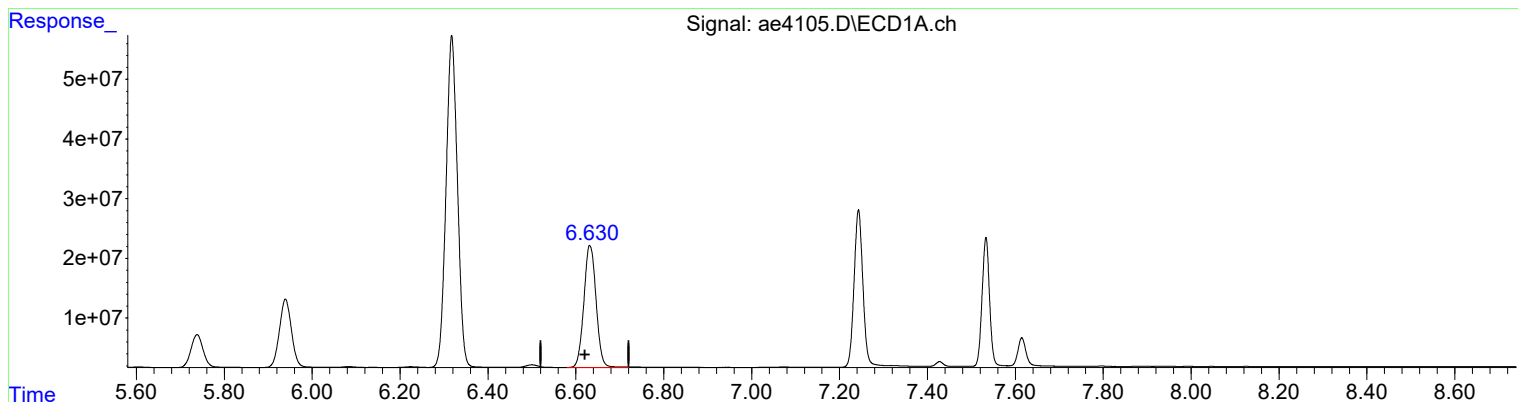
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 147.895 UG/L m
response 5038987866

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:25 am
Operator : a.moses
Sample : 8151 100ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:59 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 146.315 UG/L
response 393668383

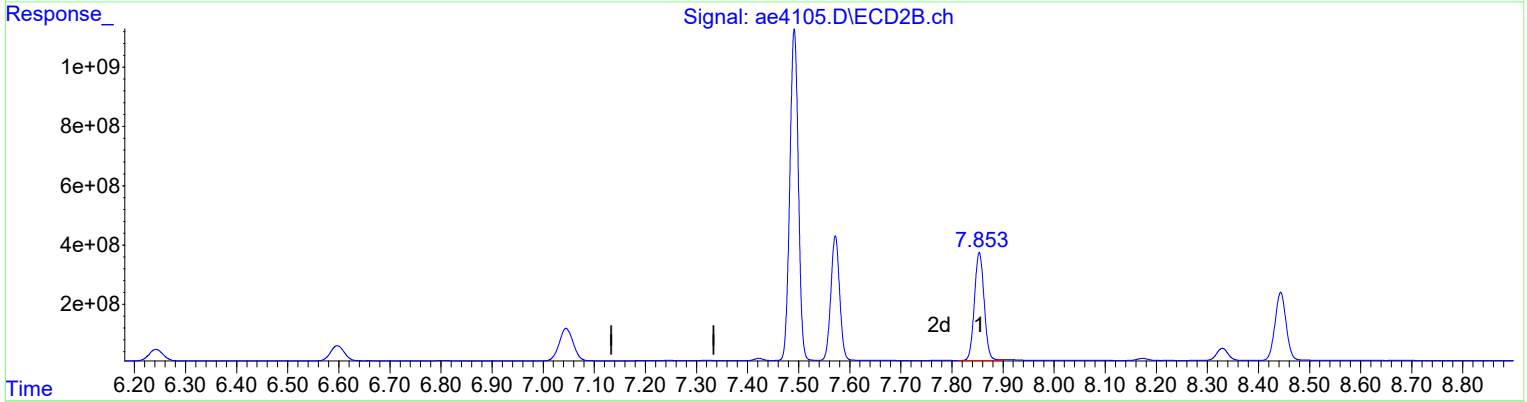
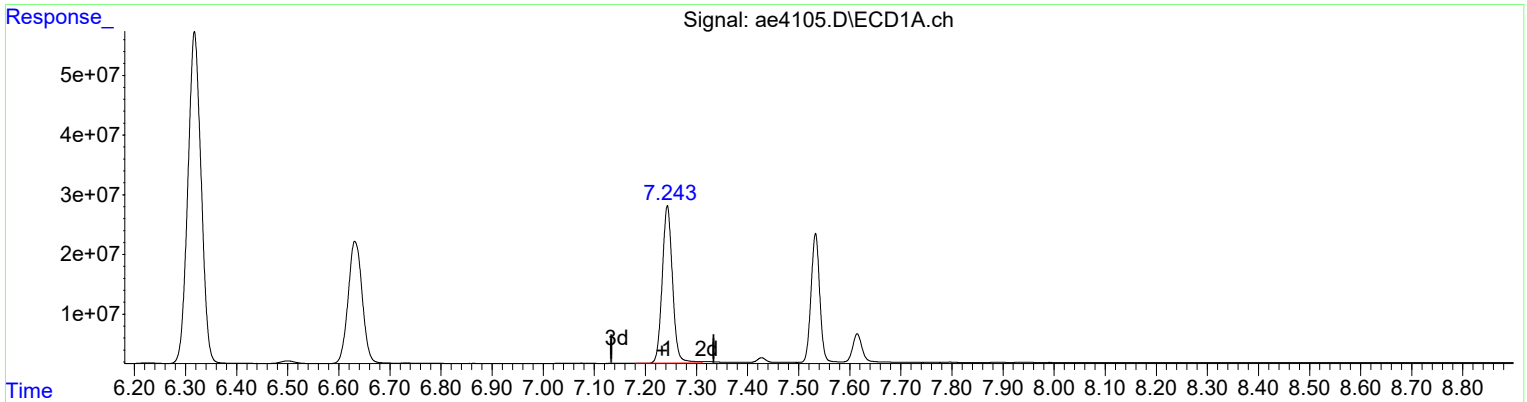
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 148.660 UG/L
response 5065069046

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:25 am
Operator : a.moses
Sample : 8151 100ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:59 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.243min 144.240 UG/L
response 369213173

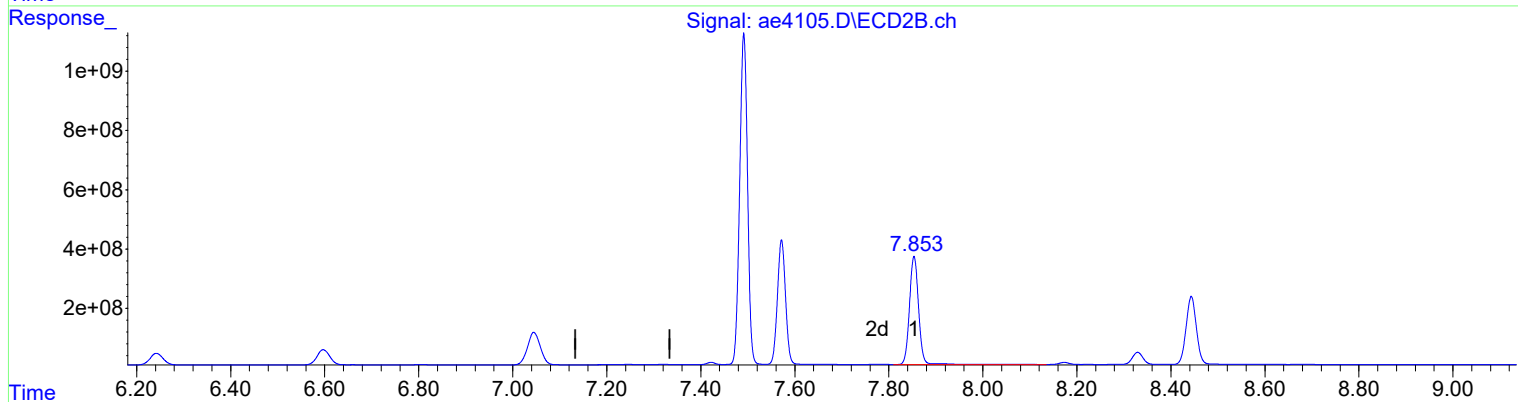
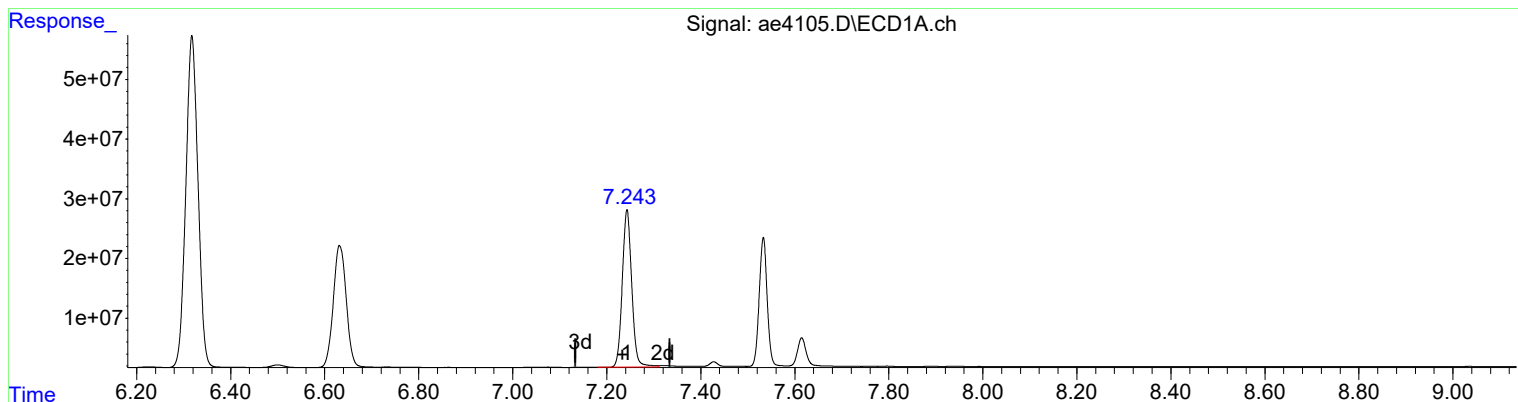
(7) 2,4,5-T #2 (TC)
7.853min 145.073 UG/L m
response 4836625793

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:25 am
Operator : a.moses
Sample : 8151 100ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:59 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.243min 144.240 UG/L
response 369213173

(7) 2,4,5-T #2 (TC)
7.854min 148.454 UG/L
response 4949368152

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4105.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:25 am
 Operator : a.moses
 Sample : 8151 100ppb
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:58:59 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

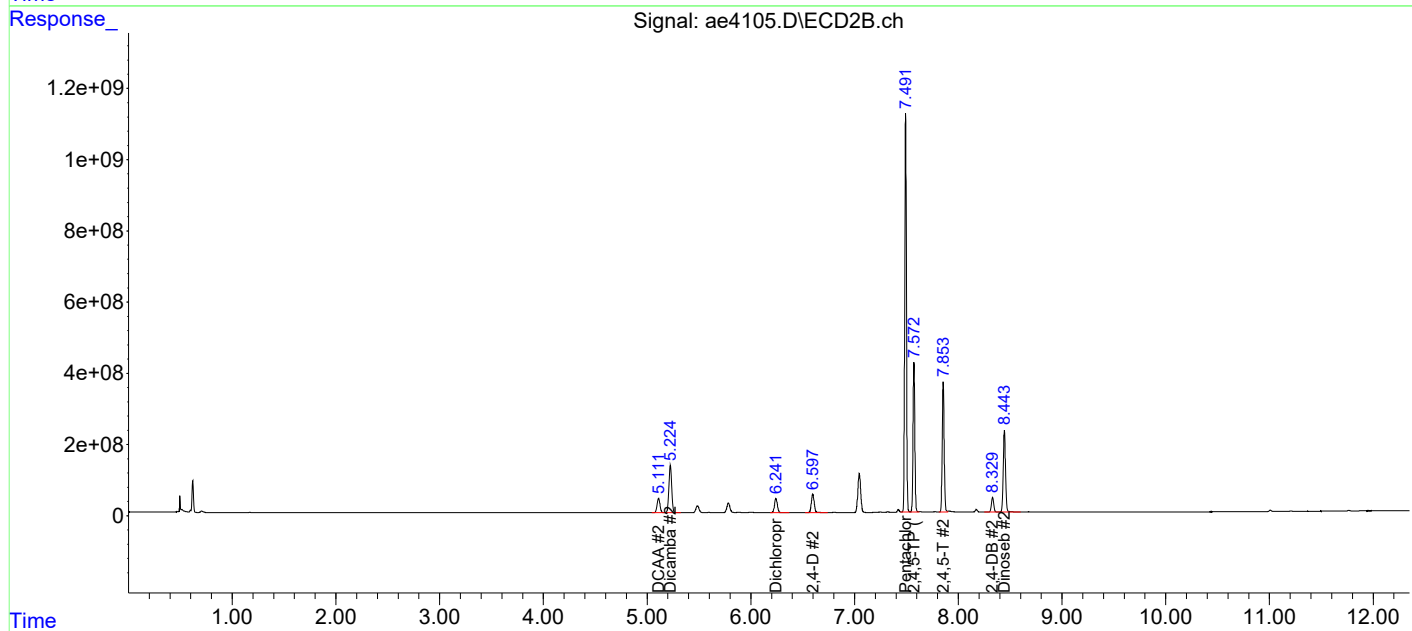
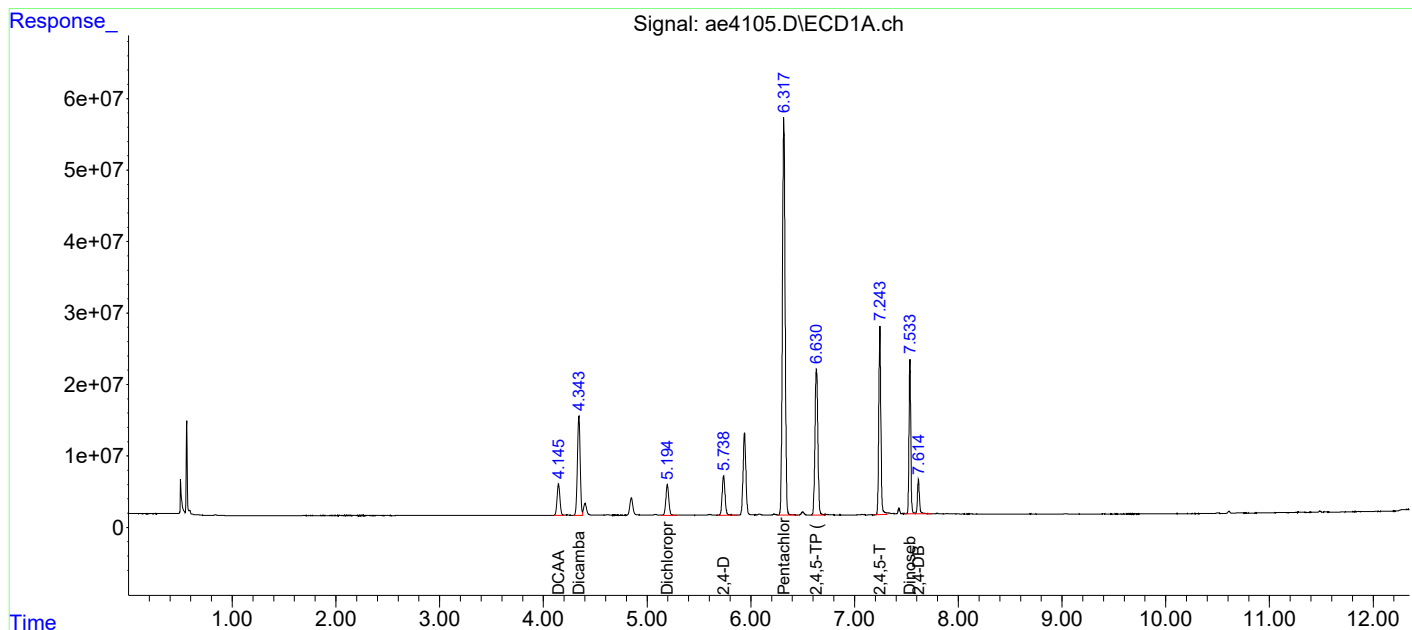
System Monitoring Compounds						
1) SC DCAA	4.146	5.111	84653232	776.6E6	138.441	139.571
Target Compounds						
2) TC Dicamba	4.343	5.225	258.8E6	2505.9E6	136.692	133.471
3) TC Dichloroprop	5.195	6.242	84515939	769.8E6	145.265	144.503
4) TC 2,4-D	5.738	6.597	108.0E6	1003.8E6	142.284	143.797
5) TC Pentachlo...	6.318	7.492	1002.2E6	12943.2E6	151.572	164.039
6) TC 2,4,5-TP ...	6.632	7.572	393.7E6	5039.0E6	146.315	147.895m
7) TC 2,4,5-T	7.243	7.853	369.2E6	4836.6E6	144.240	145.073m
8) TC 2,4-DB	7.615	8.329	64188388	672.9E6	151.590	151.691
9) TC Dinoseb	7.533	8.444	255.1E6	3558.4E6	147.990	149.799

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:25 am
Operator : a.moses
Sample : 8151 100ppb
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:58:59 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

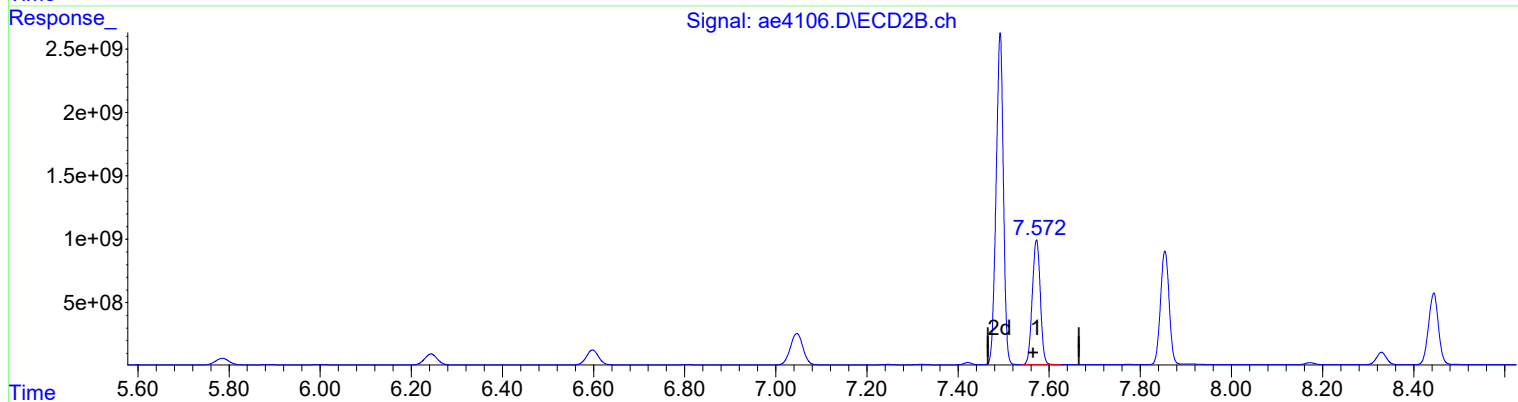
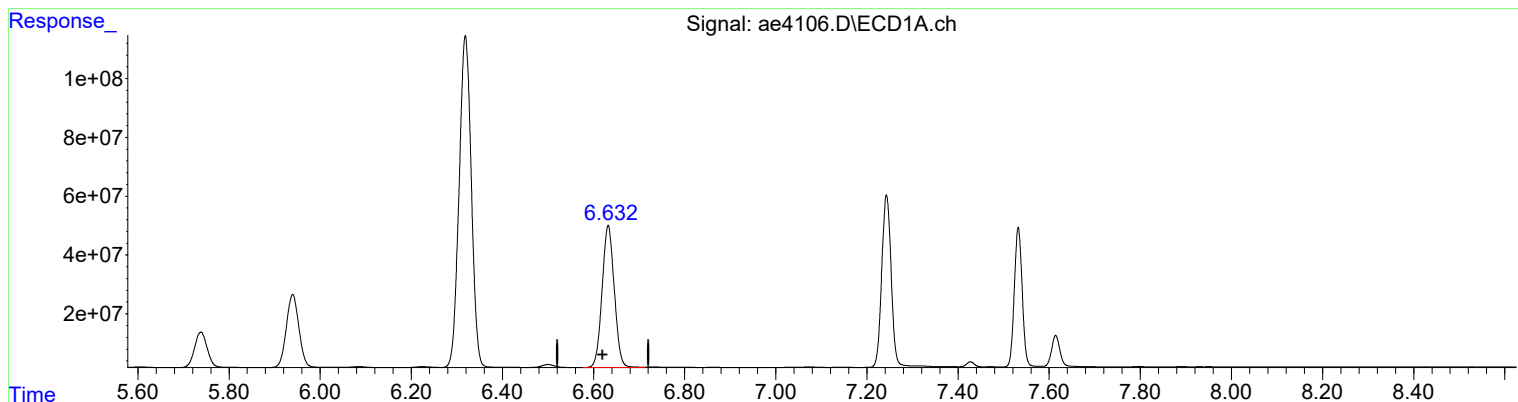
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 333.579 UG/L
response 897511694

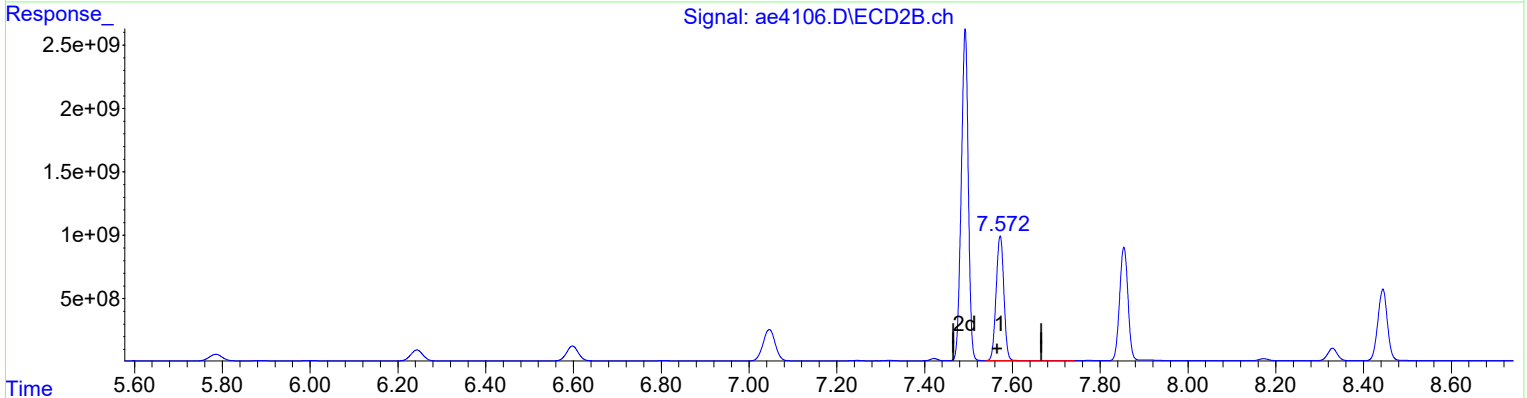
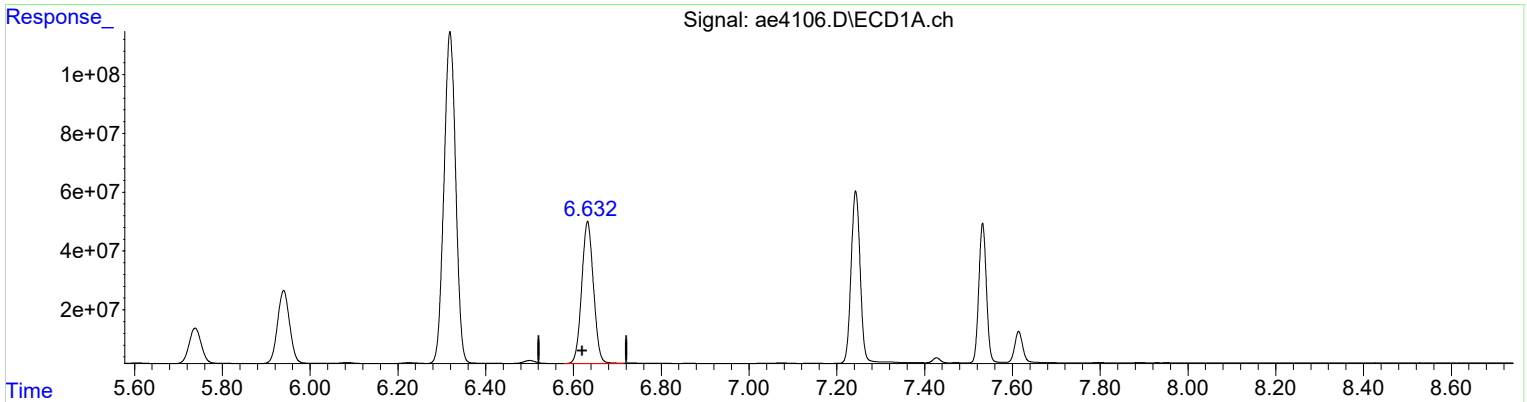
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 354.607 UG/L m
response 12081968355

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
6.632min 333.579 UG/L
response 897511694

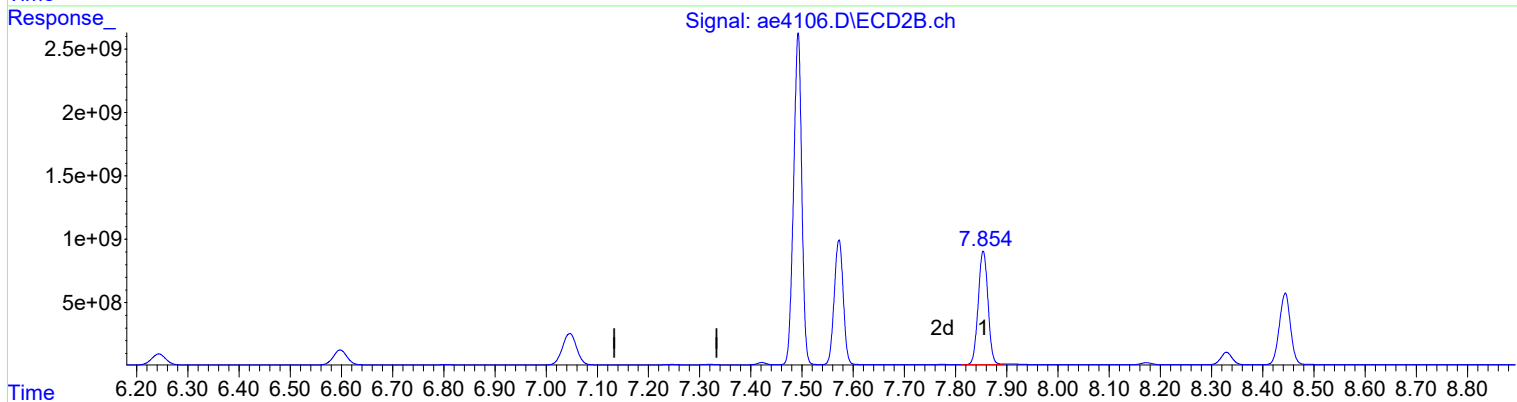
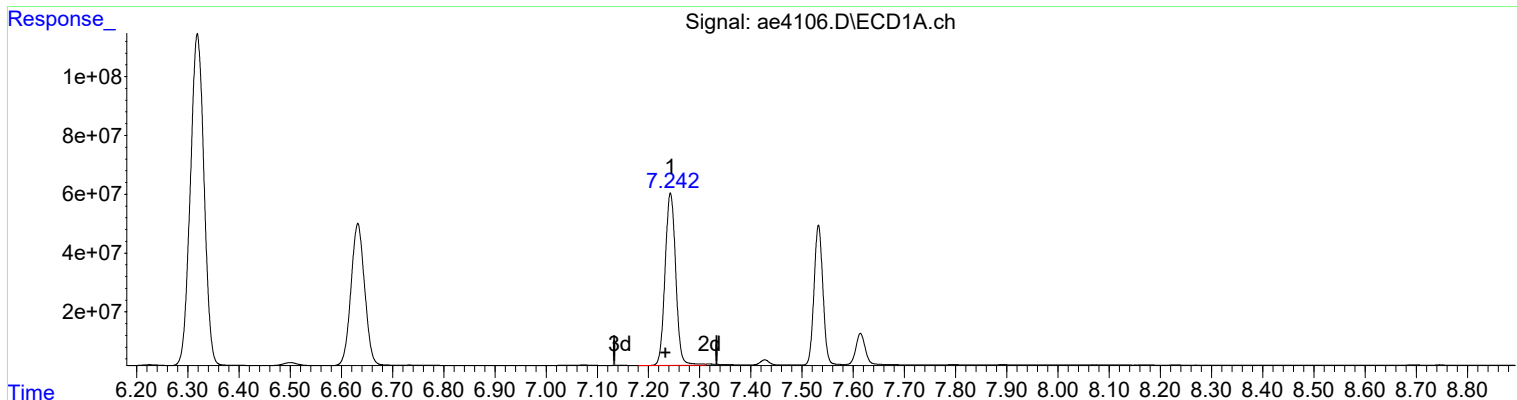
(6) 2,4,5-TP (Silvex) #2 (TC)
7.572min 355.343 UG/L
response 12107042419

Manual Integration:
Before
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.243min 330.313 UG/L
response 845503293

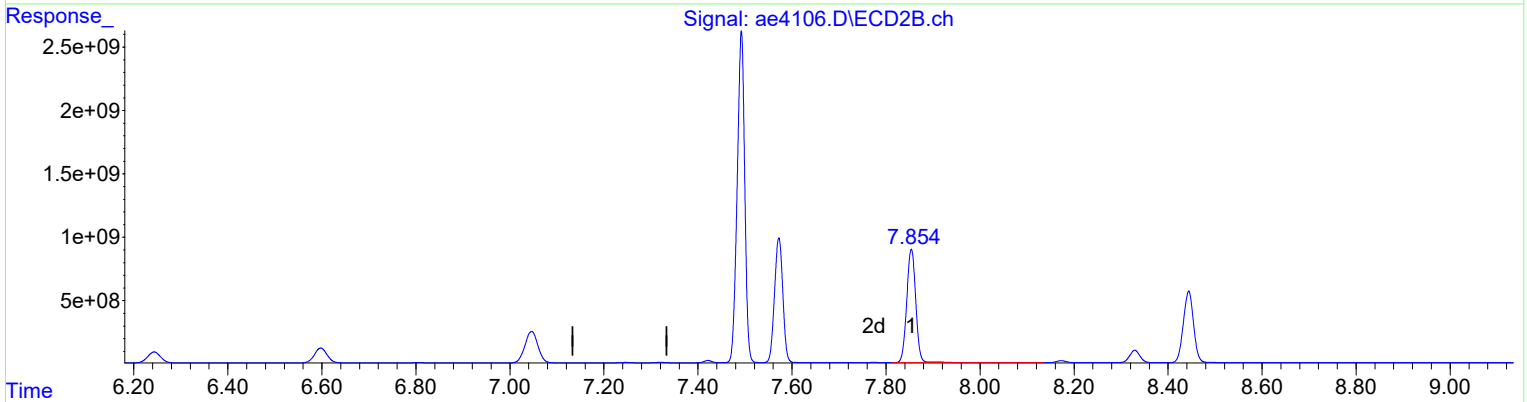
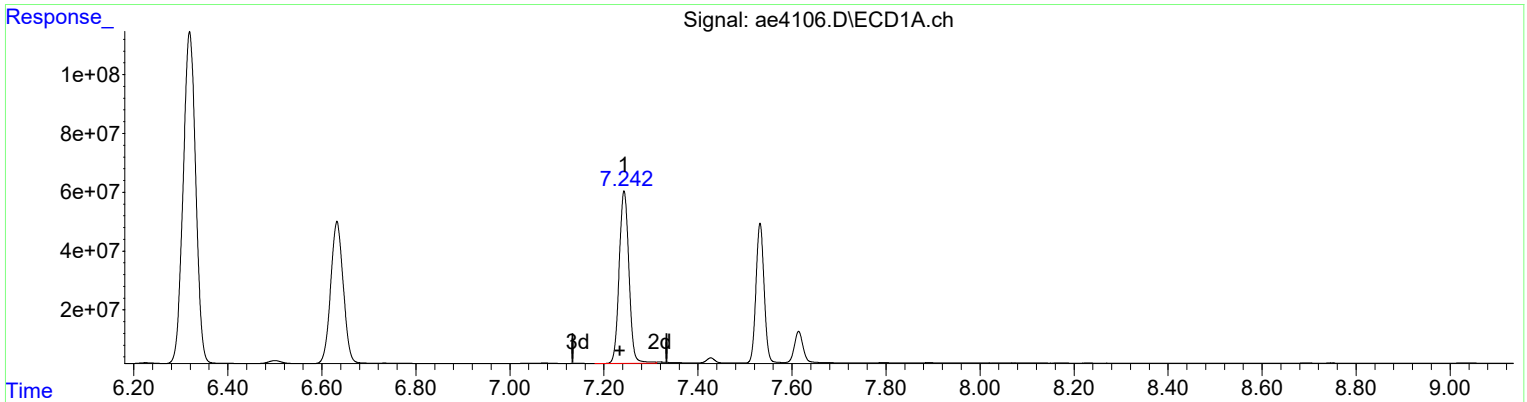
(7) 2,4,5-T #2 (TC)
7.854min 356.722 UG/L m
response 11892879749

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:42 am
 Operator : a.moses
 Sample : 8151 250ppb
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:02 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
 7.243min 330.313 UG/L
 response 845503293

Manual Integration:
 Before
 05/14/19

(7) 2,4,5-T #2 (TC)
 7.854min 363.808 UG/L
 response 12129112470

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 SC DCAA	0.830	0.729 E6	12.2	100	0.00
2 TC Dicamba	2.559	2.337 E6	8.7	100	0.00
3 TC Dichloroprop	820.753	728.675 E3	11.2	100	0.00
4 TC 2,4-D	1.057	0.943 E6	10.8	100	0.00
5 TC Pentachlorophenol	9.043	8.393 E6	7.2	100	0.00
6 TC 2,4,5-TP (Silvex)	3.818	3.590 E6	6.0	100	0.00
7 TC 2,4,5-T	3.608	3.382 E6	6.3	100	0.00
8 TC 2,4-DB	624.819	563.417 E3	9.8	100	0.00
9 TC Dinoseb	2.506	2.280 E6	9.0	100	0.00

Signal #2

1 SC DCAA	7.682	6.858 E6	10.7	100	0.00
2 TC Dicamba	25.630	24.031 E6	6.2	100	0.00
3 TC Dichloroprop	7.594	6.815 E6	10.3	100	0.00
4 TC 2,4-D	9.953	9.045 E6	9.1	100	0.00
5 TC Pentachlorophenol	106.488	109.474 E6	-2.8	100	0.00
6 TC 2,4,5-TP (Silvex)	49.479	48.328 E6	2.3	100	0.00
7 TC 2,4,5-T	48.275	47.572 E6	1.5	100	0.00
8 TC 2,4-DB	6.726	6.251 E6	7.1	100	0.00
9 TC Dinoseb	35.845	34.612 E6	3.4	100	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 10:42 am
 Operator : a.moses
 Sample : 8151 250ppb
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:02 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

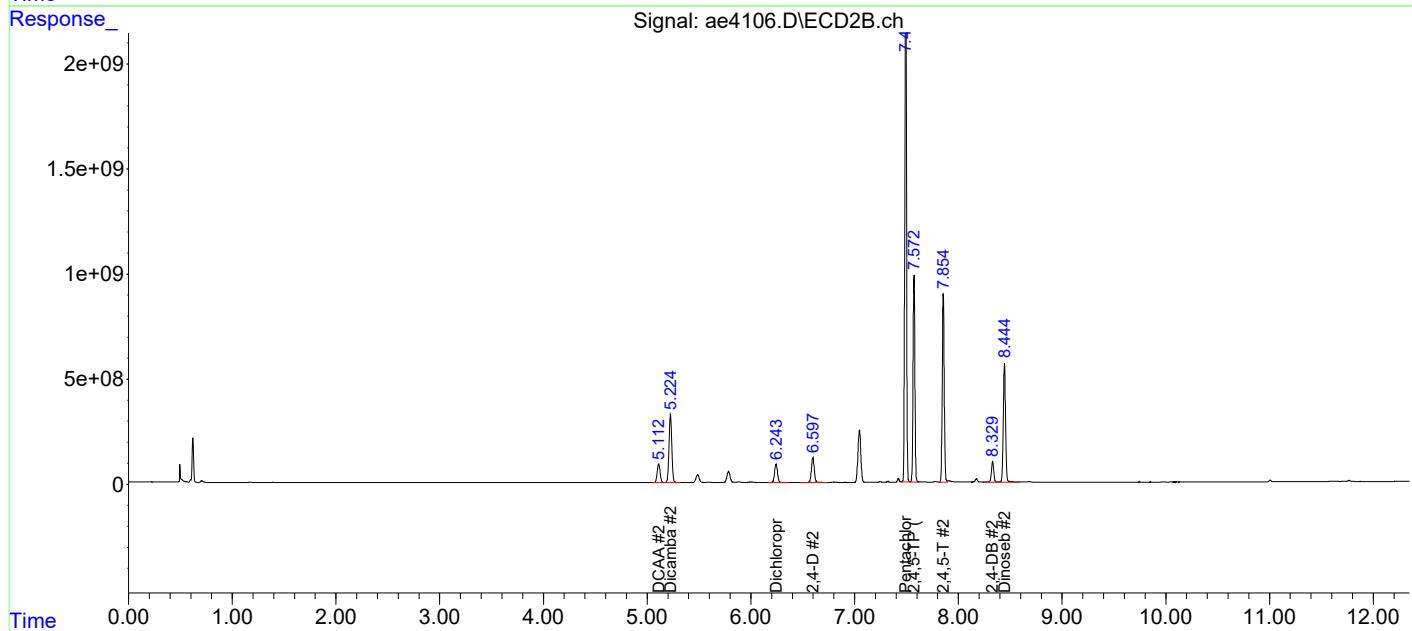
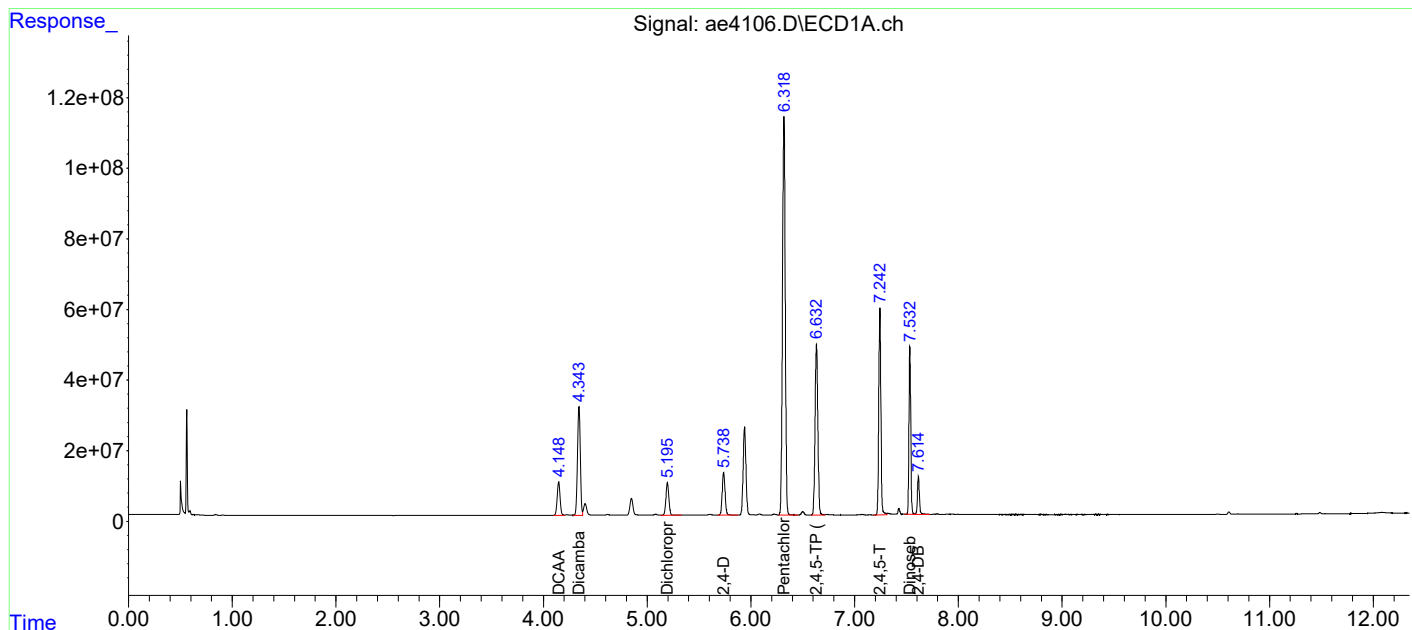
System Monitoring Compounds						
1) SC DCAA	4.148	5.112	182.2E6	1714.4E6	297.909	308.123
Target Compounds						
2) TC Dicamba	4.343	5.225	584.1E6	6007.7E6	308.551	319.985
3) TC Dichloroprop	5.196	6.243	182.2E6	1703.7E6	313.110	319.808
4) TC 2,4-D	5.738	6.598	235.8E6	2261.2E6	310.700	323.913
5) TC Pentachlo...	6.319	7.492	2098.4E6	27368.4E6	317.350	346.862
6) TC 2,4,5-TP ...	6.632	7.572	897.5E6	12082.0E6	333.579	354.607m
7) TC 2,4,5-T	7.243	7.854	845.5E6	11892.9E6	330.313	356.722m
8) TC 2,4-DB	7.614	8.329	140.9E6	1562.8E6	332.648	352.296
9) TC Dinoseb	7.532	8.444	570.1E6	8653.1E6	330.757	364.273

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:42 am
Operator : a.moses
Sample : 8151 250ppb
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:02 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

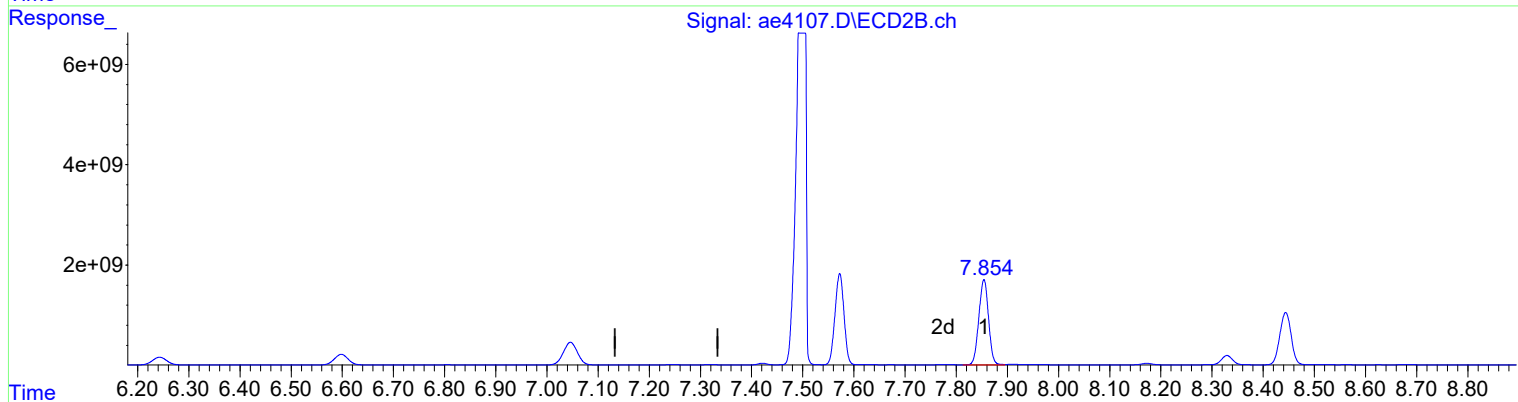
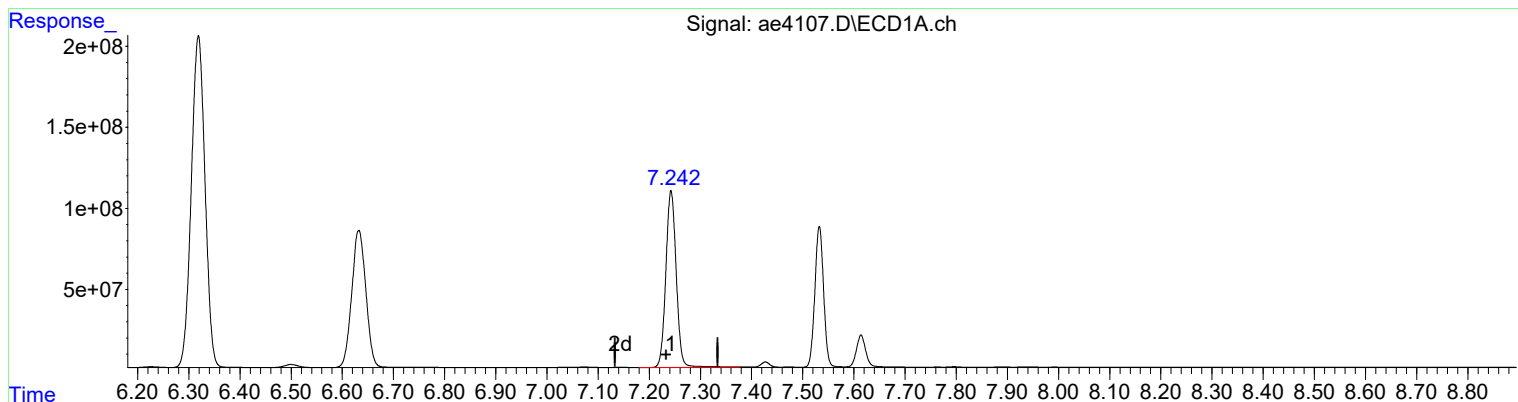
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:59 am
Operator : a.moses
Sample : 8151 400ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:05 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(7) 2,4,5-T (TC)
7.243min 601.759 UG/L
response 1540325058

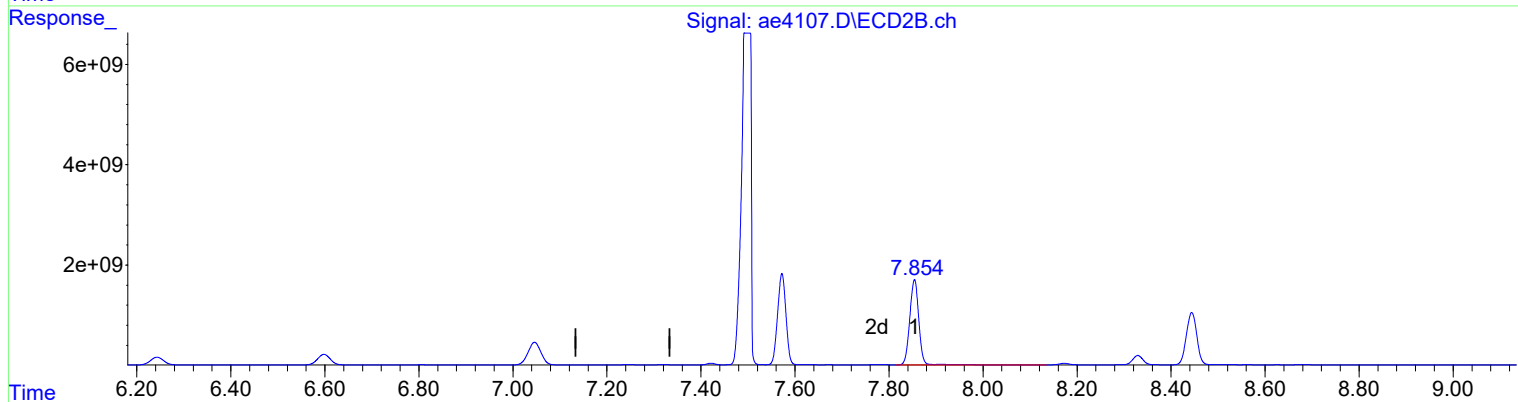
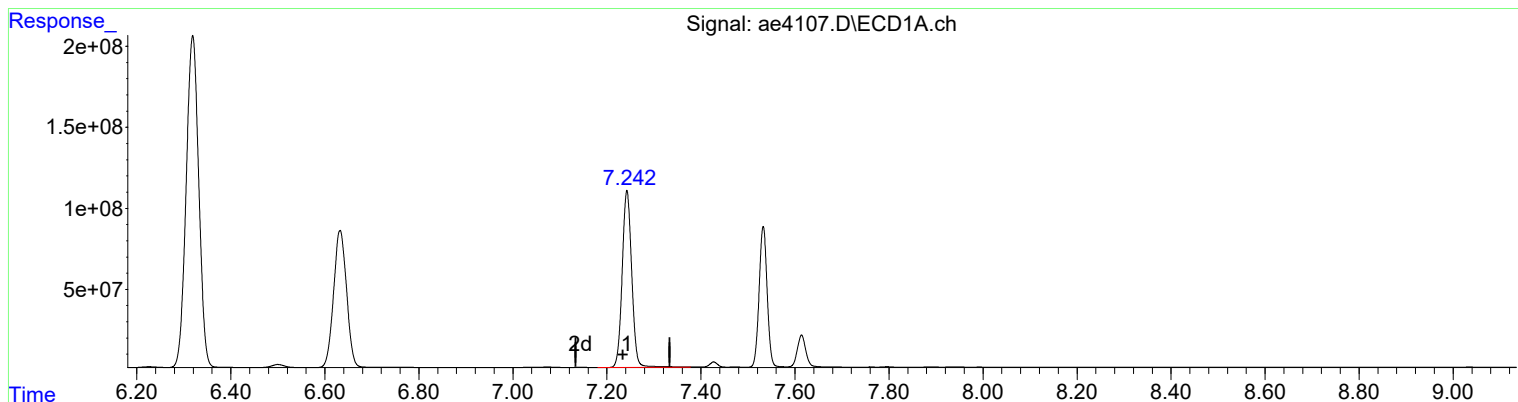
(7) 2,4,5-T #2 (TC)
7.854min 670.119 UG/L m
response 22341314586

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:59 am
Operator : a.moses
Sample : 8151 400ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:05 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(7) 2,4,5-T (TC)
7.243min 601.759 UG/L
response 1540325058

Manual Integration:
Before
05/14/19

(7) 2,4,5-T #2 (TC)
7.854min 680.735 UG/L
response 22695245672

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:59 am
Operator : a.moses
Sample : 8151 400ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:05 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

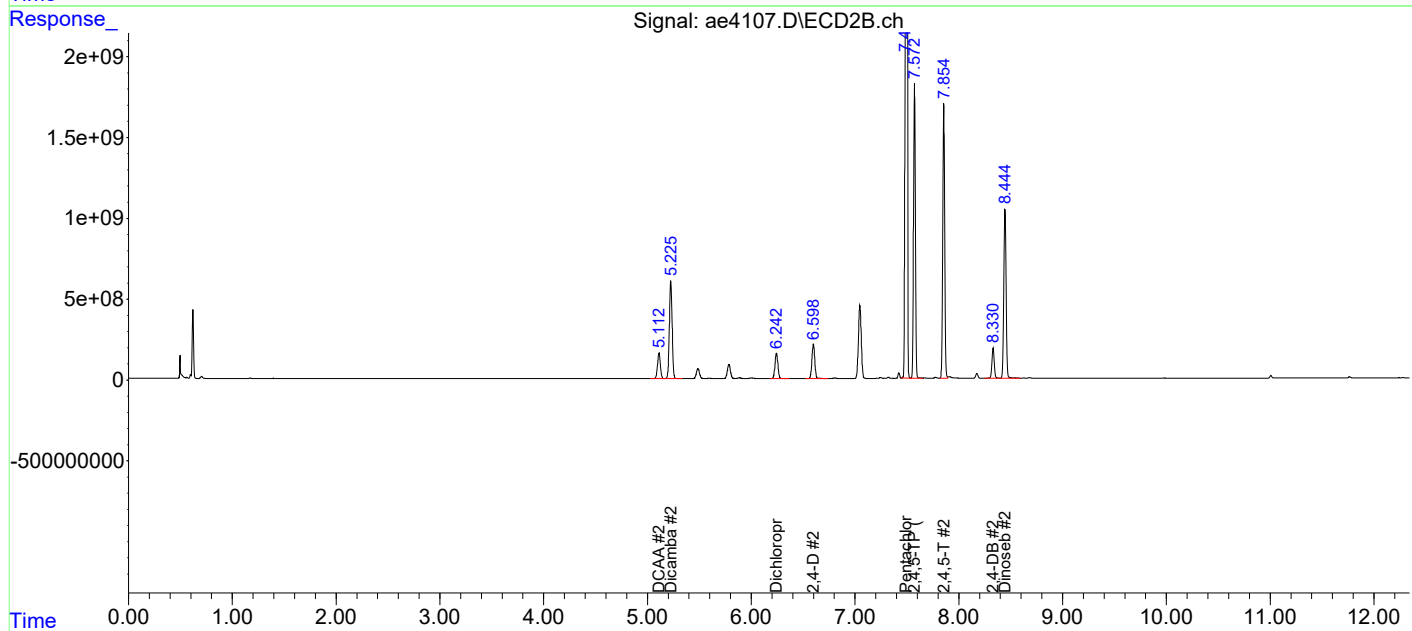
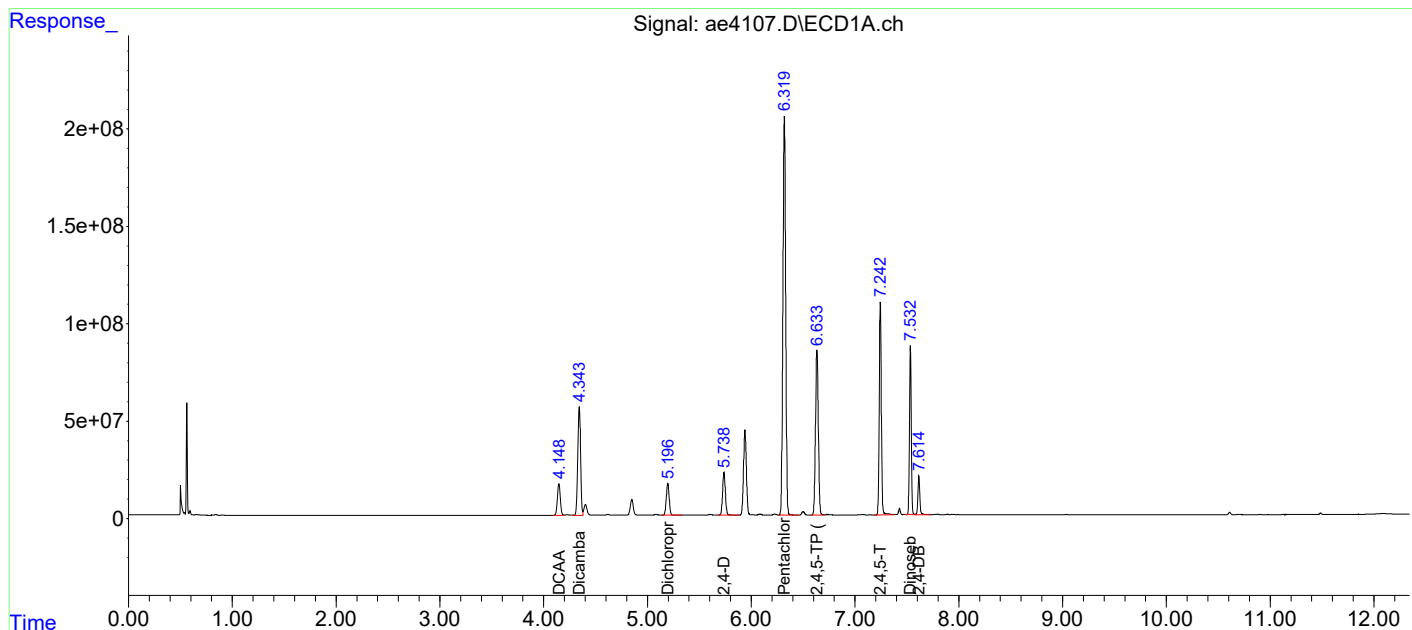
System Monitoring Compounds						
1) SC DCAA	4.148	5.112	316.7E6	3048.2E6	517.881	547.846
Target Compounds						
2) TC Dicamba	4.344	5.226	1047.0E6	11289.4E6	553.010	601.295
3) TC Dichloroprop	5.197	6.243	316.3E6	3049.6E6	543.588	572.452
4) TC 2,4-D	5.738	6.598	414.5E6	4072.7E6	546.132	583.413
5) TC Pentachlo...	6.319	7.495	3813.0E6	41192.5E6	576.658	522.067
6) TC 2,4,5-TP ...	6.632	7.572	1623.0E6	22386.8E6	603.231	657.055
7) TC 2,4,5-T	7.243	7.854	1540.3E6	22341.3E6	601.759	670.119m
8) TC 2,4-DB	7.614	8.330	253.6E6	2941.3E6	598.833	663.044
9) TC Dinoseb	7.533	8.444	1029.4E6	16351.0E6	597.298	688.340

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 10:59 am
Operator : a.moses
Sample : 8151 400ppb
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:05 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4108.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 11:16 am
 Operator : a.moses
 Sample : 8151 500ppb
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 11:59:08 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 08:54:42 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L

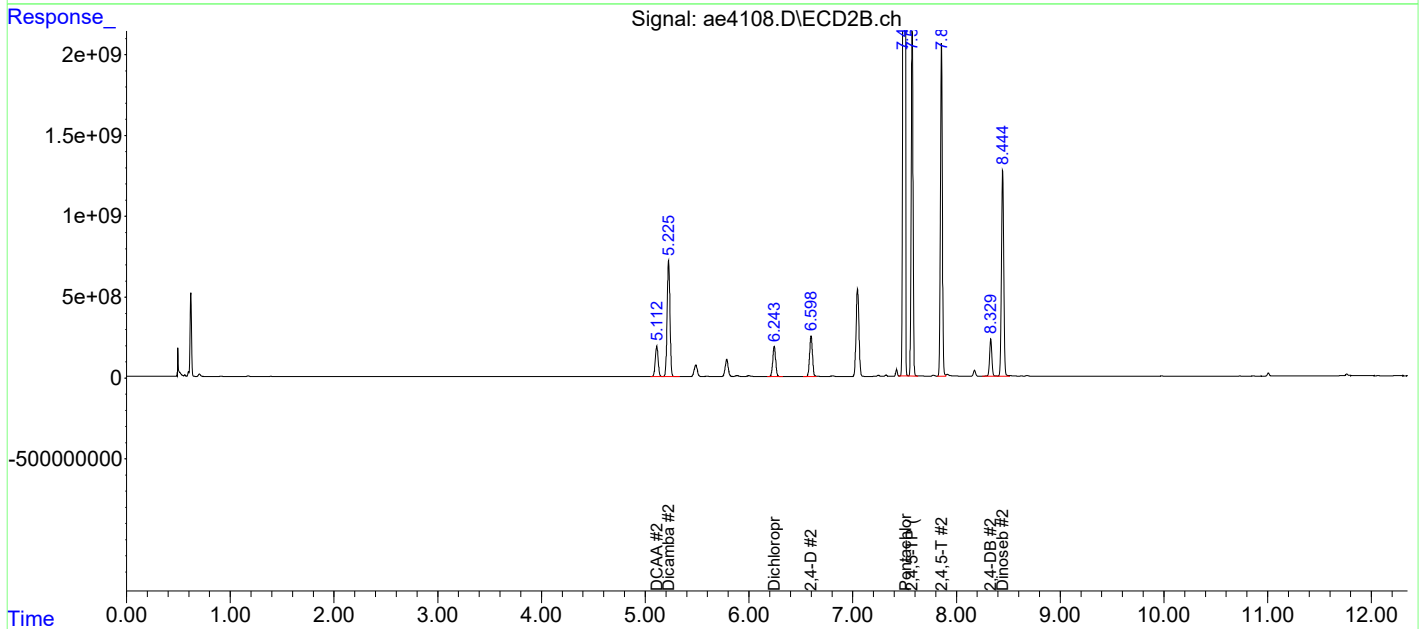
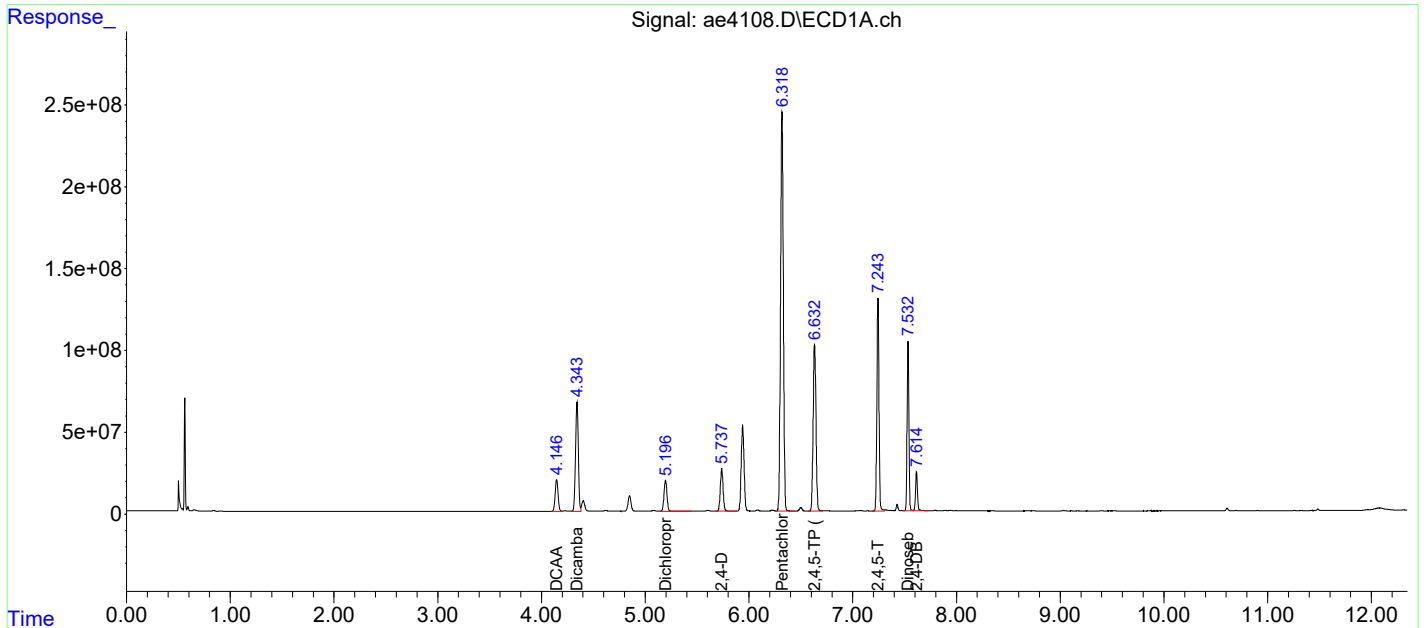
System Monitoring Compounds						
1) SC DCAA	4.147	5.112	376.8E6	3647.5E6	616.223	655.564
Target Compounds						
2) TC Dicamba	4.344	5.226	1250.1E6	13663.1E6	660.317	727.728
3) TC Dichloroprop	5.196	6.243	377.7E6	3643.1E6	649.134	683.853
4) TC 2,4-D	5.738	6.598	492.0E6	4825.6E6	648.196	691.255
5) TC Pentachlo...	6.319	7.503	4571.0E6	45410.3E6	691.303	575.522
6) TC 2,4,5-TP ...	6.632	7.573	1935.8E6	26956.5E6	719.467	791.177
7) TC 2,4,5-T	7.243	7.855	1828.7E6	27115.0E6	714.405	813.303
8) TC 2,4-DB	7.614	8.330	303.9E6	3578.1E6	717.701	806.605
9) TC Dinoseb	7.533	8.444	1234.4E6	19651.6E6	716.228	827.287

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 11:16 am
Operator : a.moses
Sample : 8151 500ppb
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 11:59:08 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 08:54:42 2019
Response via : Initial Calibration
Integrator: ChemStation

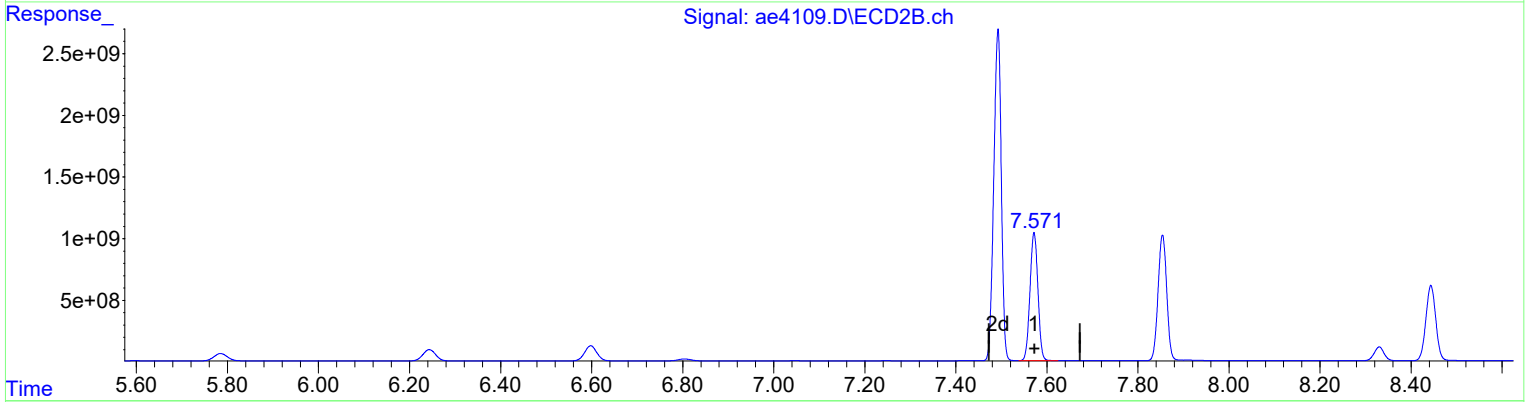
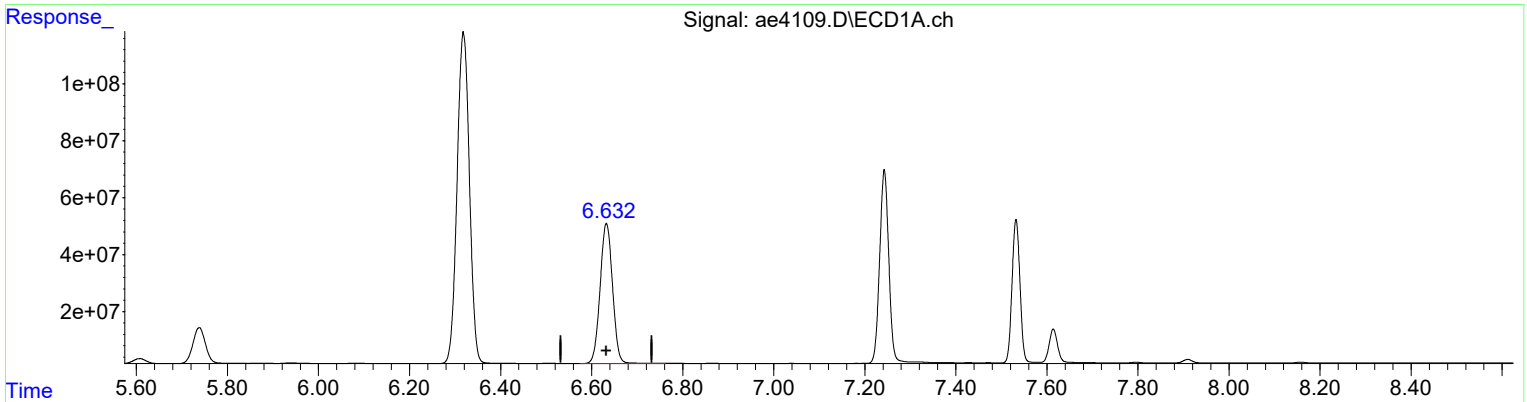
Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



Data Path : I:\ACQUDATA\7890N.net\data\051419\
Data File : ae4109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2019 11:33 am
Operator : a.moses
Sample : 8151 icv
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 14 12:04:27 2019
Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
Quant Title : Herbicide 8151A
QLast Update : Tue May 14 12:04:06 2019
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



QEdit

(6) 2,4,5-TP (Silvex) (TC)
6.633min 243.945 UG/L
response 931417038

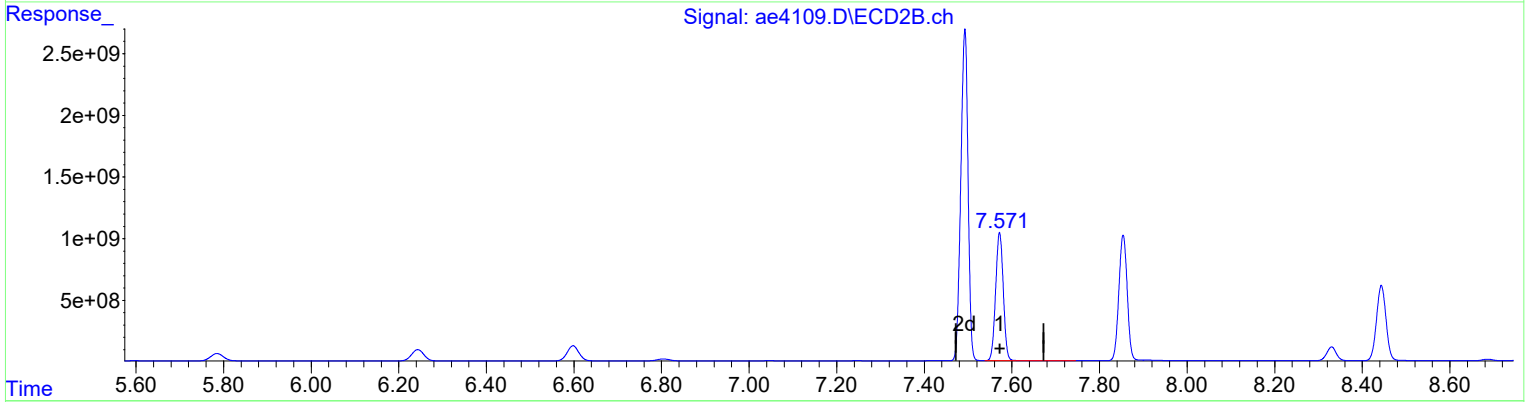
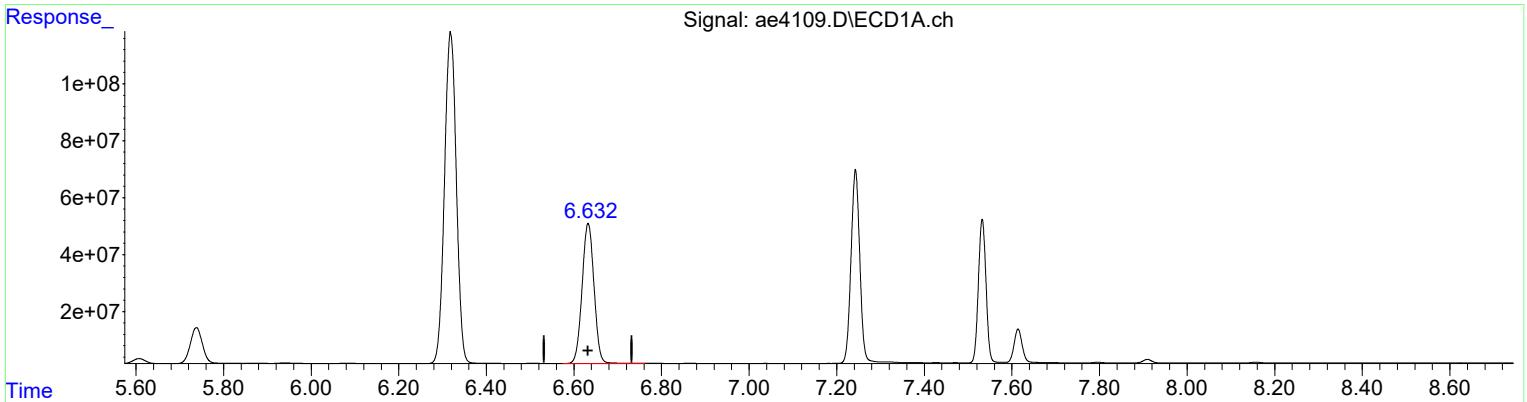
(6) 2,4,5-TP (Silvex) #2 (TC)
7.571min 255.039 UG/L m
response 12619148044

Manual Integration:
After
Poor integration.
05/14/19

Data Path : I:\ACQUDATA\7890N.net\data\051419\
 Data File : ae4109.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2019 11:33 am
 Operator : a.moses
 Sample : 8151 icv
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: May 14 12:04:27 2019
 Quant Method : I:\ACQUDATA\7890N.net\Methods\HERB051419.M
 Quant Title : Herbicide 8151A
 QLast Update : Tue May 14 12:04:06 2019
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1ul
 Signal #1 Phase : DB-CLP Signal #2 Phase: DB-CLPII
 Signal #1 Info : 0.32 mm Signal #2 Info : 0.32 mm



(6) 2,4,5-TP (Silvex) (TC)
 6.633min 243.945 UG/L
 response 931417038

(6) 2,4,5-TP (Silvex) #2 (TC)
 7.572min 255.764 UG/L
 response 12655024977

Manual Integration:
 Before
 05/14/19

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

Initial Calibration Summary
TCLP Chlorinated Herbicides by GC

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLP

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900052-01	8151 10ppb	I:\ACQUADATA\7890N.net\data\051419\ae4103.D	05/14/2019 09:52
02	RC1900052-02	8151 50ppb	I:\ACQUADATA\7890N.net\data\051419\ae4104.D	05/14/2019 10:09
03	RC1900052-03	8151 100ppb	I:\ACQUADATA\7890N.net\data\051419\ae4105.D	05/14/2019 10:25
04	RC1900052-04	8151 250ppb	I:\ACQUADATA\7890N.net\data\051419\ae4106.D	05/14/2019 10:42
05	RC1900052-05	8151 400ppb	I:\ACQUADATA\7890N.net\data\051419\ae4107.D	05/14/2019 10:59
06	RC1900052-06	8151 500ppb	I:\ACQUADATA\7890N.net\data\051419\ae4108.D	05/14/2019 11:16

Analyte

2,4,5-TP (Silvex)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	3.857E6	02	50.000	3.596E6	03	100.000	3.937E6	04	250.000	3.59E6
05	400.000	4.058E6	06	500.000	3.872E6						

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	1.246E6	02	50.000	1.054E6	03	100.000	1.08E6	04	250.000	9.433E5
05	400.000	1.036E6	06	500.000	9.84E5						

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	1.013E6	02	50.000	8.483E5	03	100.000	8.465E5	04	250.000	7.287E5
05	400.000	7.917E5	06	500.000	7.536E5						

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

Initial Calibration Summary
TCLP Chlorinated Herbicides by GC

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLP

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,5-TP (Silvex)	TRG	Average RF	% RSD	4.9	20	3.818E6	
2,4-D	TRG	Average RF	% RSD	9.9	20	1.057E6	
DCAA	SURR	Average RF	% RSD	12.2	20	8.303E5	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

Initial Calibration Summary
TCLP Chlorinated Herbicides by GC

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLPII

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900052-01	8151 10ppb	I:\ACQUADATA\7890N.net\data\051419\ae4103.D	05/14/2019 09:52
02	RC1900052-02	8151 50ppb	I:\ACQUADATA\7890N.net\data\051419\ae4104.D	05/14/2019 10:09
03	RC1900052-03	8151 100ppb	I:\ACQUADATA\7890N.net\data\051419\ae4105.D	05/14/2019 10:25
04	RC1900052-04	8151 250ppb	I:\ACQUADATA\7890N.net\data\051419\ae4106.D	05/14/2019 10:42
05	RC1900052-05	8151 400ppb	I:\ACQUADATA\7890N.net\data\051419\ae4107.D	05/14/2019 10:59
06	RC1900052-06	8151 500ppb	I:\ACQUADATA\7890N.net\data\051419\ae4108.D	05/14/2019 11:16

Analyte

2,4,5-TP (Silvex)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	4.455E7	02	50.000	4.373E7	03	100.000	5.039E7	04	250.000	4.833E7
05	400.000	5.597E7	06	500.000	5.391E7						

2,4-D

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	1.115E7	02	50.000	9.656E6	03	100.000	1.004E7	04	250.000	9.045E6
05	400.000	1.018E7	06	500.000	9.651E6						

DCAA

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.000	8.988E6	02	50.000	7.563E6	03	100.000	7.766E6	04	250.000	6.858E6
05	400.000	7.621E6	06	500.000	7.295E6						

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

Initial Calibration Summary
TCLP Chlorinated Herbicides by GC

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLPII

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
2,4,5-TP (Silvex)	TRG	Average RF	% RSD	10.0	20	4.948E7	
2,4-D	TRG	Average RF	% RSD	7.1	20	9.953E6	
DCAA	SURR	Average RF	% RSD	9.3	20	7.682E6	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

**Initial Calibration Verification Summary
TCLP Chlorinated Herbicides by GC**

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLP

#	Lab Code	Sample Name	File Location	Acquisition Date
07	RC1900052-07	8151 icv	I:\ACQUDATA\7890N.net\data\051419\ae4109.D	05/14/2019 11:33

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4-D	250	232	1.057E6	9.82E5	-7.128	±30	Average RF
2,4,5-TP (Silvex)	250	244	3.818E6	3.726E6	-2.422	±30	Average RF

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 5/14/2019

Initial Calibration Verification Summary
TCLP Chlorinated Herbicides by GC

Calibration ID: RC1900052
Instrument ID: R-GC-63

Signal ID: DB-CLPII

#	Lab Code	Sample Name	File Location	Acquisition Date
07	RC1900052-07	8151 icv	I:\ACQUADATA\7890N.net\data\051419\ae4109.D	05/14/2019 11:33

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4-D	250	235	9.953E6	9.339E6	-6.168	±30	Average RF
2,4,5-TP (Silvex)	250	255	4.948E7	5.048E7	2.02	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/14/19 10:42

Continuing Calibration Verification (CCV) Summary
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
File ID: I:\ACQUADATA\7890N.net\data\051419\ae4106.D\
Signal ID: DB-CLPII

Calibration Date: 5/14/2019
Calibration ID: RC1900052
Analysis Lot: 635444
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-D	250	311	1.057E6	9.433E5	-10.8	NA	±20	Average RF
2,4,5-TP (Silvex)	250	334	3.818E6	3.59E6	-6.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	250	298	8.303E5	7.287E5	-12.2	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/14/19 10:42

Continuing Calibration Verification (CCV) Summary
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
File ID: I:\ACQUADATA\7890N.net\data\051419\ae4106.D\
Signal ID: DB-CLPII

Calibration Date: 5/14/2019
Calibration ID: RC1900052
Analysis Lot: 635444
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-D	250	324	9.953E6	9.045E6	-9.1	NA	±20	Average RF
2,4,5-TP (Silvex)	250	355	4.948E7	4.833E7	-2.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	250	308	7.682E6	6.858E6	-10.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/14/19 14:06

Continuing Calibration Verification (CCV) Summary
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
File ID: I:\ACQUADATA\7890N.net\data\051419\ae4118.D\
Signal ID: DB-CLPII

Calibration Date: 5/14/2019
Calibration ID: RC1900052
Analysis Lot: 635444
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-D	250	233	1.057E6	9.871E5	-6.6	NA	±20	Average RF
2,4,5-TP (Silvex)	250	251	3.818E6	3.836E6	0.5	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	250	227	8.303E5	7.548E5	-9.1	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/14/19 14:06

Continuing Calibration Verification (CCV) Summary
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A
File ID: I:\ACQUADATA\7890N.net\data\051419\ae4118.D\
Signal ID: DB-CLPII

Calibration Date: 5/14/2019
Calibration ID: RC1900052
Analysis Lot: 635444
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4-D	250	241	9.953E6	9.61E6	-3.5	NA	±20	Average RF
2,4,5-TP (Silvex)	250	266	4.948E7	5.263E7	6.4	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
DCAA	250	235	7.682E6	7.208E6	-6.2	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

Analysis Run Log
TCLP Chlorinated Herbicides by GC

Analysis Method: 8151A

Analysis Lot:635444
Instrument ID:R-GC-63

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\7890N.net\data\051419\ae4106.D\	Continuing Calibration Verification	RQ1904554-01	5/14/2019	10:42:00	
I:\ACQUDATA\7890N.net\data\051419\ae4111.D\	ZZZZZZZ	ZZZZZZZ	5/14/2019	12:09:00	
I:\ACQUDATA\7890N.net\data\051419\ae4112.D\	ZZZZZZZ	ZZZZZZZ	5/14/2019	12:25:00	
I:\ACQUDATA\7890N.net\data\051419\ae4113.D\	IDW-1	R1903955-001	5/14/2019	12:42:00	
I:\ACQUDATA\7890N.net\data\051419\ae4114.D\	Method Blank	RQ1904325-01	5/14/2019	12:59:00	
I:\ACQUDATA\7890N.net\data\051419\ae4115.D\	Method Blank	RQ1904390-01	5/14/2019	13:16:00	
I:\ACQUDATA\7890N.net\data\051419\ae4116.D\	Lab Control Sample	RQ1904390-02	5/14/2019	13:32:00	
I:\ACQUDATA\7890N.net\data\051419\ae4117.D\	Duplicate Lab Control Sample	RQ1904390-03	5/14/2019	13:49:00	
I:\ACQUDATA\7890N.net\data\051419\ae4118.D\	Continuing Calibration Verification	RQ1904554-02	5/14/2019	14:06:00	

Analysis: 2151 Analyst: A. MOSES Run Method: 2151.M
 Date: 5/14/19 Instr. 7890N R-GC-63 Quant Method: HERB051419.M
 Syringes: _____ R01900052 LIMS Run#: 635444

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	Bik			AE4102	✓	
	2151 10 ppb		198500	03	✓	
	50 ppb		01	04	✓	
	100 ppb		02	05	✓	
	250 ppb		03	06	✓	Used as CCV
	400 ppb		04	07	✓	
	500 ppb		05	08	✓	
	↓ CCV		198641	09	✓	
	CCV		198503	10	—	Did not inject
	R1903839-002			11	✓	
	R1903897-001			12	✓	
	R1903955-001			13	✓	
	R1904325-01			14	✓	
	R1904390-01			15	✓	
	↓ 02			16	✓	
	↓ 03			17	✓	
	CCV		198503	18	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary : _____ exp: _____ Secondary : _____ exp: _____
 Primary : _____ exp: _____ Secondary : _____ exp: _____

Reagents:

Runlog GCEXT r2 4/27/17

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Analysis: 2151 Analyst: A. MOSE Run Method: 2151.M
 Date: 5/14/19 Instr. 7890N R-GC-63 Quant Method: HERBOS1419.M
 Syringes: _____ LIMS Run#: _____

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	Bik			AE4102	✓	
	2151 10 ppb		198500	03	✓	
	50 ppb		01	04	✓	
	100 ppb		02	05	✓	
	250 ppb		03	06	✓	Used as CCV ²
	400 ppb		04	07	✓	
	500 ppb		05	08	✓	
	CCV		198641	09	✓	
	CCV		198503	10	-	Did not inject
	R1902839-002			11	✓	
	R1903897-001			12	✓	
	R1903955-001			13	✓	
	RQ1904325-01			14	✓	
	RQ1904390-01			15	✓	
	07			16	✓	
	03			17	✓	
	CCV		198503	18	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____ Secondary: _____ exp: _____
 Primary: _____ exp: _____ Secondary: _____ exp: _____
 Reagents: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903955

**Toxicity Characteristics Leachate Procedure (TCLP)
TCLP Chlorinated Herbicides by GC**

Prep Method: Method
Analytical Method: 8151A

Extraction Lot: 336378
Extraction Date: 05/10/19 07:35

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-1	R1903955-001	4/30/19	5/2/19	100 mL	10 mL	
Method Blank	RQ1904325-01MB	NA	NA	100 mL	10 mL	
Method Blank	RQ1904390-01MB	NA	NA	1000.0000	10 mL	
Lab Control Sample	RQ1904390-02LCS	NA	NA	1000.0000	10 mL	
Duplicate Lab Control Sample	RQ1904390-03DLCS	NA	NA	1000.0000	10 mL	

Preparation Information Benchsheet

Prep Run#: 336378
 Team: Semivoa GC/VSTAUFFER

Prep Workflow: OrgHerbLP
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 5/10/19 07:35

#	Lab Code	Client ID	#	Amt. Ext.	Method / Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	Spike Amt./Inv. ID	Comments
1	RQ1904390-01	MB		1000mL	8151A/HERB_TCLP	7	x	x	10.00mL	clear/colorless	1.0000 mL/198057	
2	RQ1904390-02	LCS		1000mL	8151A/HERB_TCLP	7	x	x	10.00mL	clear/colorless	1.0000 mL/198057; 1.0000 mL/199194	
3	RQ1904390-03	DICS		1000mL	8151A/HERB_TCLP	7	x	x	10.00mL	clear/colorless	1.0000 mL/198057; 1.0000 mL/199194	
4	RI903839-002	Sludge		100mL	8151A/HERB_TCLP	5	x	x	10.00mL	clear/colorless	1.0000 mL/198057	
5	RI903897-001	U-60/67		100mL	8151A/HERB_TCLP	7	x	x	10.00mL	clear/colorless	1.0000 mL/198057	
6	RI903955-001	IDW-1		100mL	8151A/HERB_TCLP	6	x	x	10.00mL	clear/colorless	1.0000 mL/198057	
7	RQ1904325-01	MB		100mL	8151A/HERB_TCLP	5	x	x	10.00mL	clear/colorless	1.0000 mL/198057	

Spiking Solutions

Name: 8151 Water Surrogate 5 ug/ml Inventory ID: 198057 Logbook Ref: Expires On: 07/21/2019
 Name: 8151 Water Spike 2.5 ug/ml Inventory ID: 199194 Logbook Ref: Expires On: 07/30/2019

Preparation Materials

Ether Diethyl (Ethyl Ether)	(198548)	Eppendorf Pipette Repeater	EXT #18 (184837)	Sulfuric Acid, 50% H2SO4	(199179)
Reagent Grade Sodium Chloride Reagent Grade NaCl	(192488)	Sodium Hydroxide 50% NaOH	(198594)	pH Paper 0-14	(198395)
Prepared Acidified Sodium Sulfate Na2SO4	(198648)				

Preparation Steps

Step: Extraction	Concentration	Step: Derivatization
Started: 5/10/19 07:35	Started: 5/13/19 12:00	Started: 5/13/19 13:24
Finished: 5/13/19 11:20	Finished: 5/13/19 12:40	Finished: 5/13/19 14:06
By: VSTAUFFER	By: AMOSES	By: AMOSES

Comments:

Reviewed By:  Date: 5/16/19

Chain of Custody

Spike Witness: AMOSES Date:

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____
 Extracts Examined: Yes No

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23

Sample Name: IDW-1
Lab Code: R1903955-001

Units: ug/Kg
Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3541

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1221	420 U	420	5	05/08/19 17:55	5/7/19	
Aroclor 1232	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1242	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1248	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1254	210 U	210	5	05/08/19 17:55	5/7/19	
Aroclor 1260	210 U	210	5	05/08/19 17:55	5/7/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	77	22 - 128	05/08/19 17:55	
Tetrachloro-m-xylene	69	14 - 119	05/08/19 17:55	

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH616.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 5:55 pm
 Operator :
 Sample : r1903955-001|5.0
 Misc : 336082
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:19 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.365	4.462	901.9E6	171.8E6	14.913	13.705
Spiked Amount	100.000	Range	30 - 150	Recovery	= 14.91%#	13.71%#
2) S SURR2, Dec...	10.931	11.948	926.7E6	149.4E6	16.162	15.452
Spiked Amount	100.000	Range	30 - 150	Recovery	= 16.16%#	15.45%#

Target Compounds

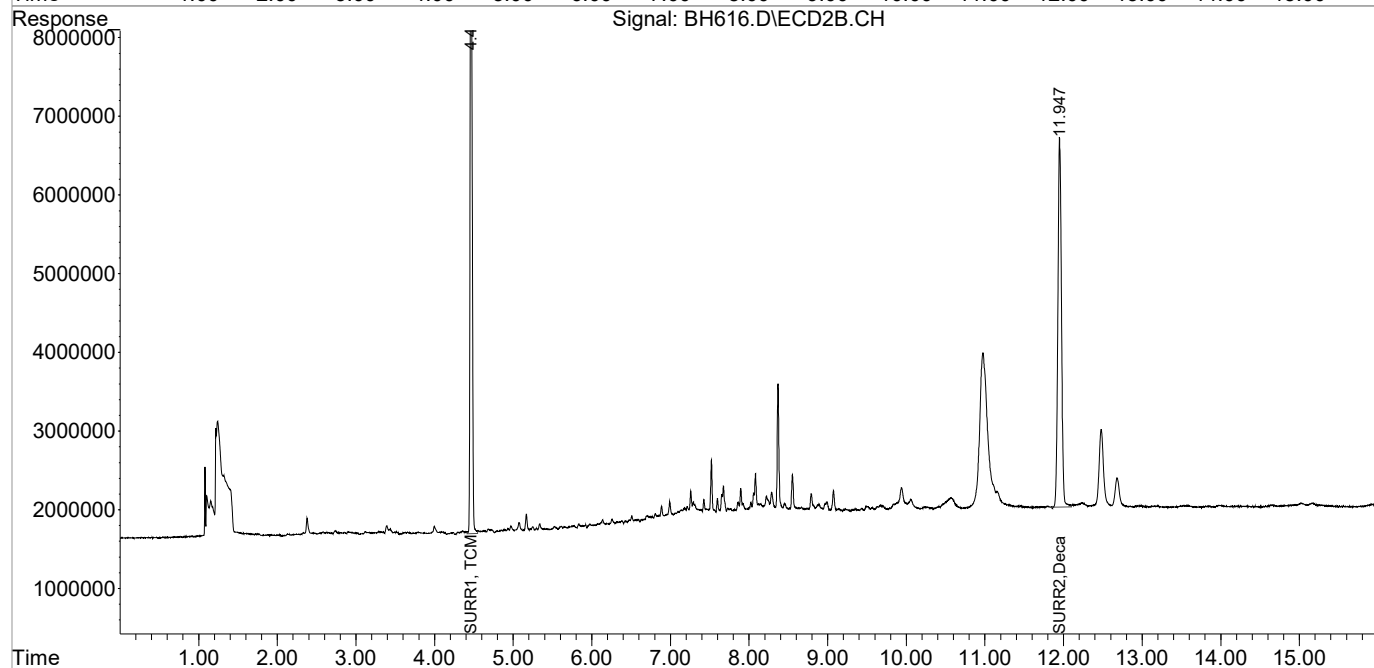
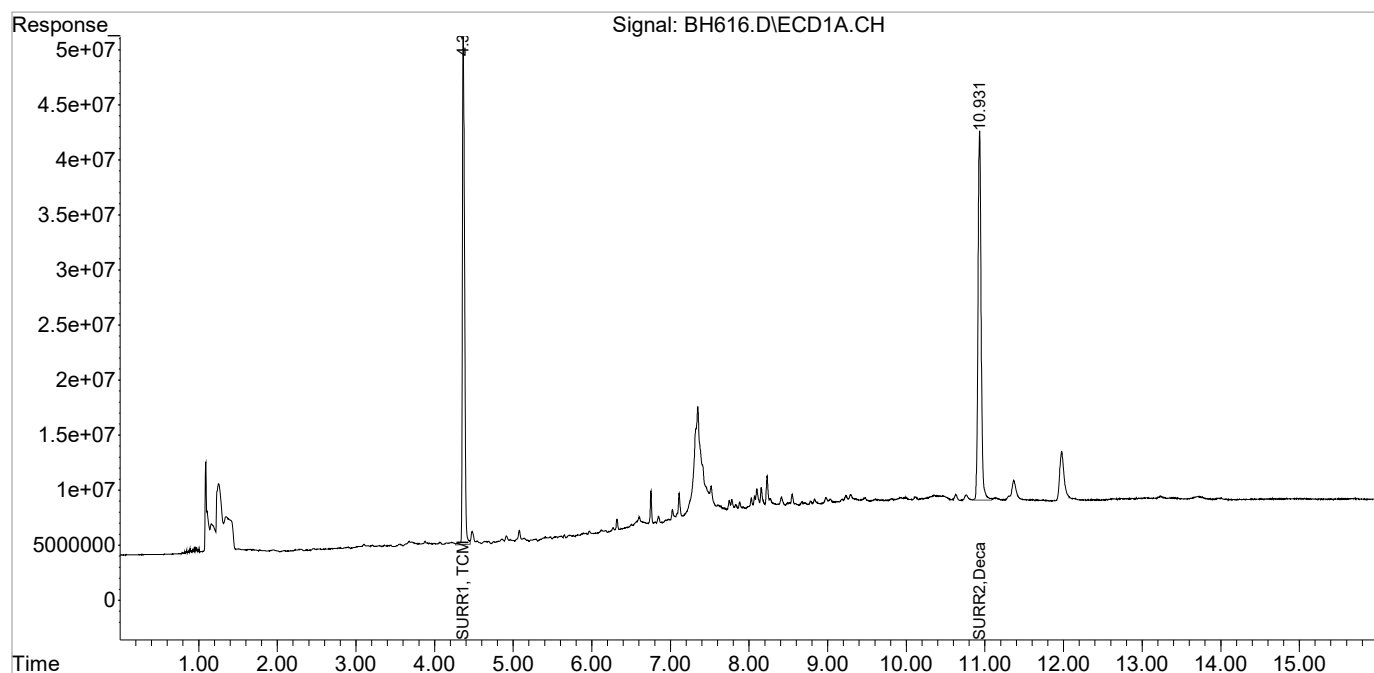
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH616.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 5:55 pm
Operator :
Sample : r1903955-001|5.0
Misc : 336082
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:19 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH609.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:32 pm
 Operator :
 Sample : rq1904198-03
 Misc : 336082/336135
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:26:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

System Monitoring Compounds

1) S SURR1, TCMX	4.365	4.460	3390.4E6	625.8E6	56.062	49.922
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.06%	49.92%
2) S SURR2, Dec...	10.939	11.952	3220.7E6	530.8E6	56.171	54.892
Spiked Amount	100.000	Range	30 - 150	Recovery	= 56.17%	54.89%

Target Compounds

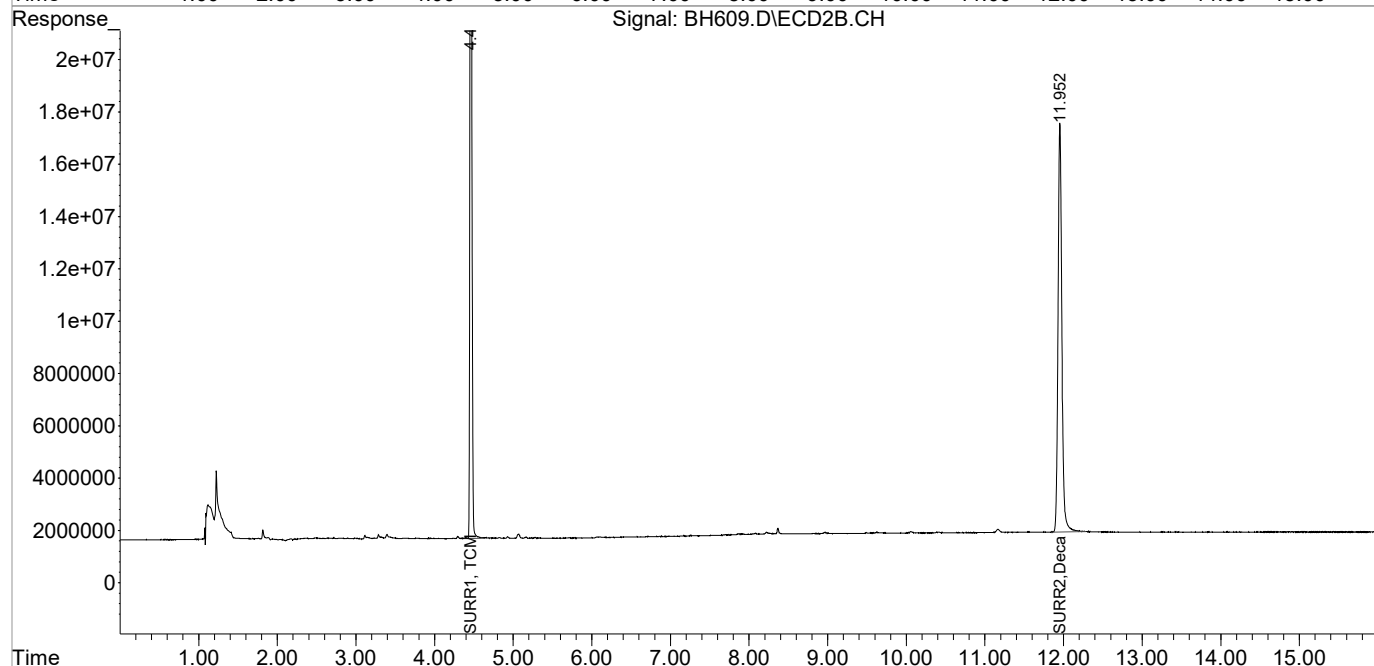
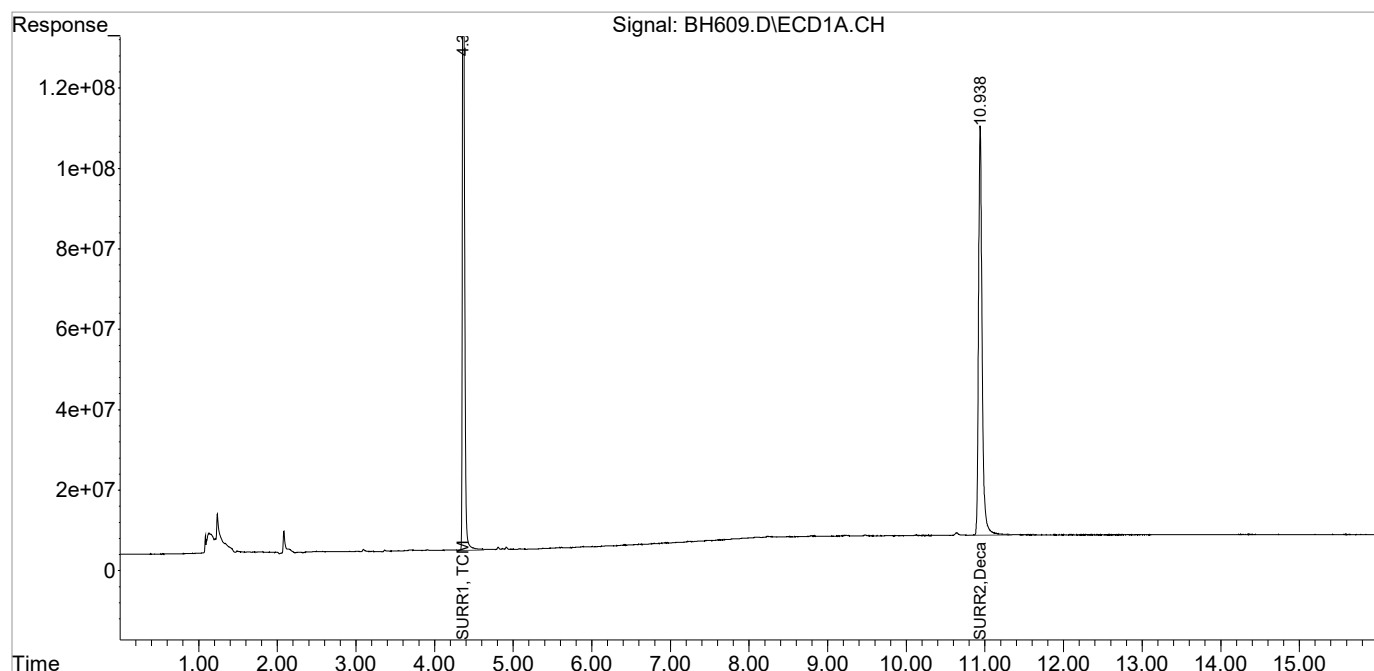
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH609.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:32 pm
Operator :
Sample : rql904198-03
Misc : 336082/336135
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:26:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

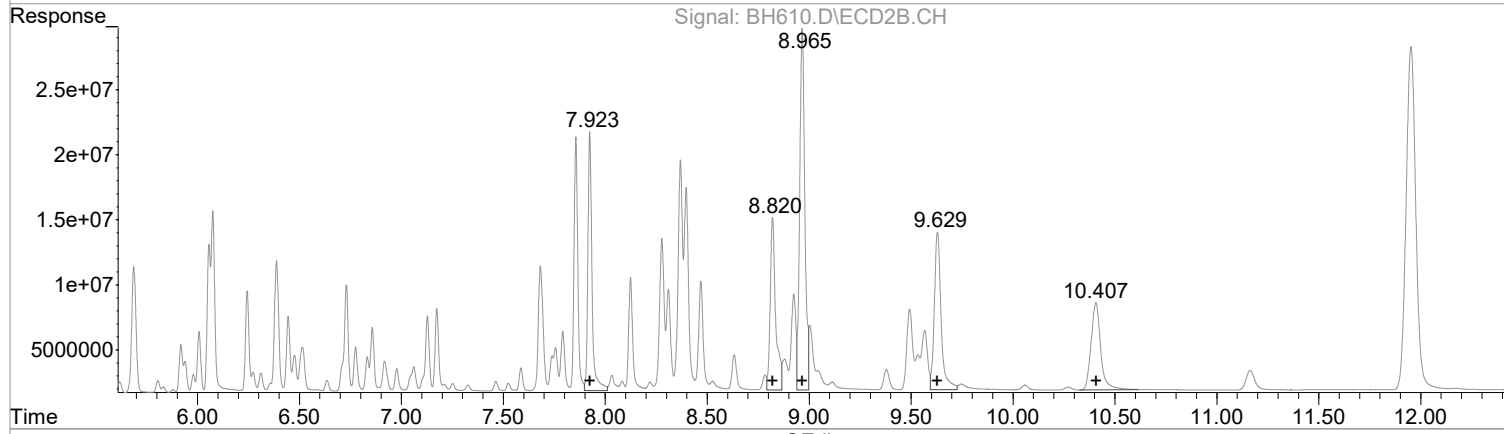
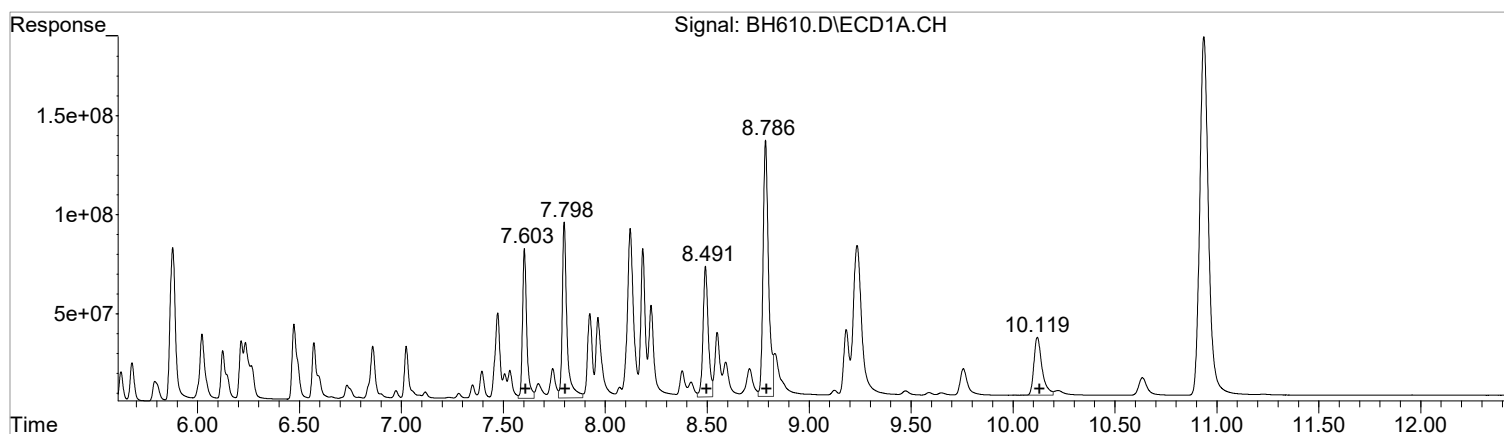
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rq1904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1091396108	437.95
7.80	1421738641	449.14
8.49	1169406841	463.83
8.79	2434646080	465.11
10.12	814126636	481.35

Manual Integration:
After
Poor integration.
05/09/19

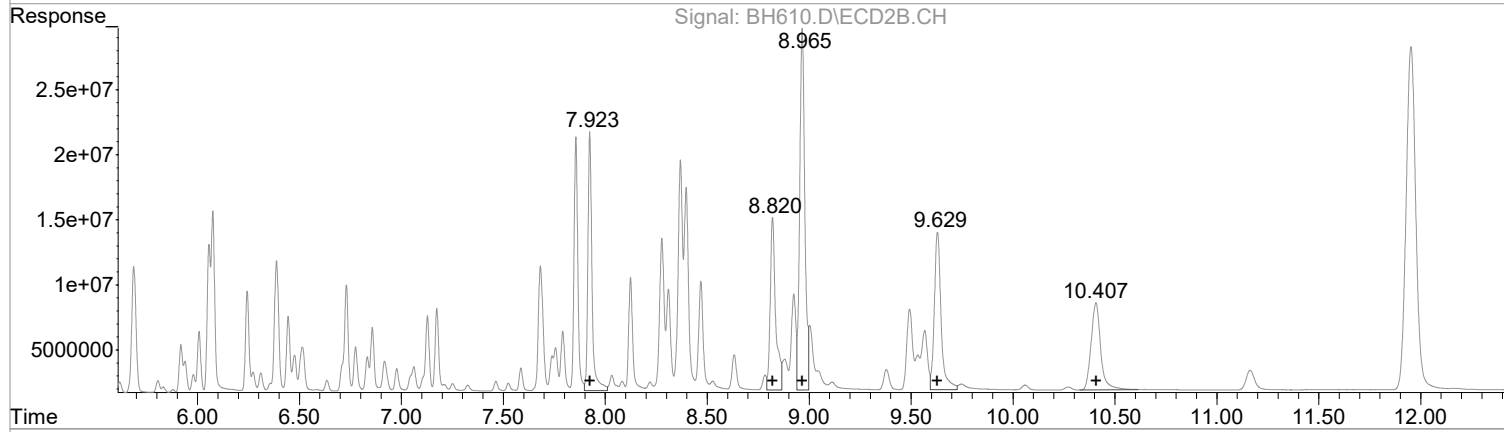
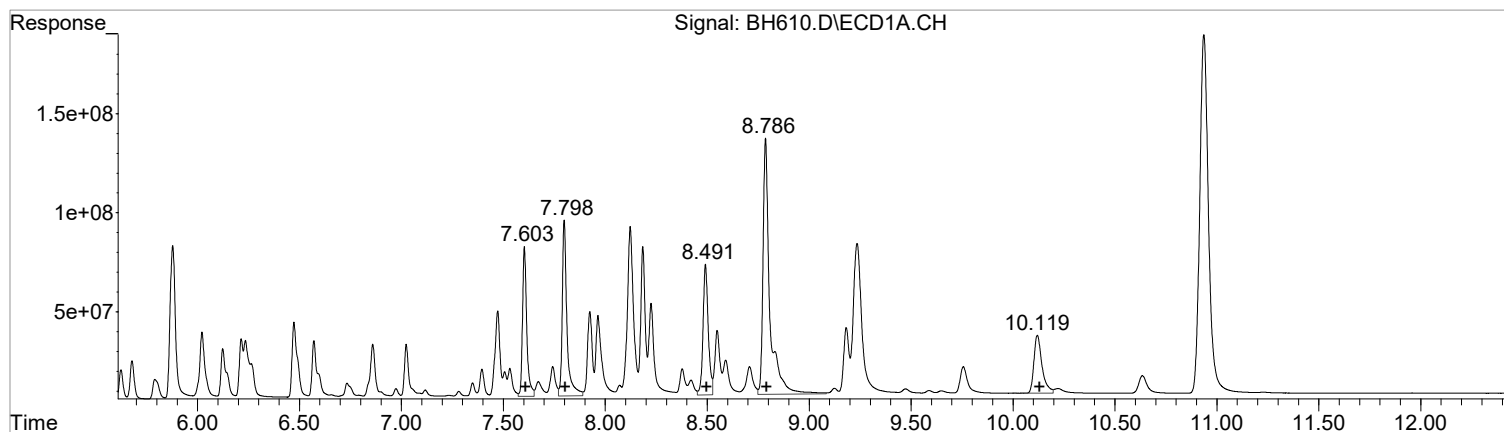
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	279040527	423.42
8.82	247365076	457.15
8.97	487311660	471.55
9.63	280075225	468.72
10.41	221242033	481.70

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rq1904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1091396108	437.95
7.80	1421738641	449.14
8.49	1169406841	463.83
8.79	3042200367	581.18
10.12	814126636	481.35

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	279040527	423.42
8.82	247365076	457.15
8.97	487311660	471.55
9.63	280075225	468.72
10.41	221242033	481.70

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH610.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:52 pm
 Operator :
 Sample : rql904198-05
 Misc : 336082/336135
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:01 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

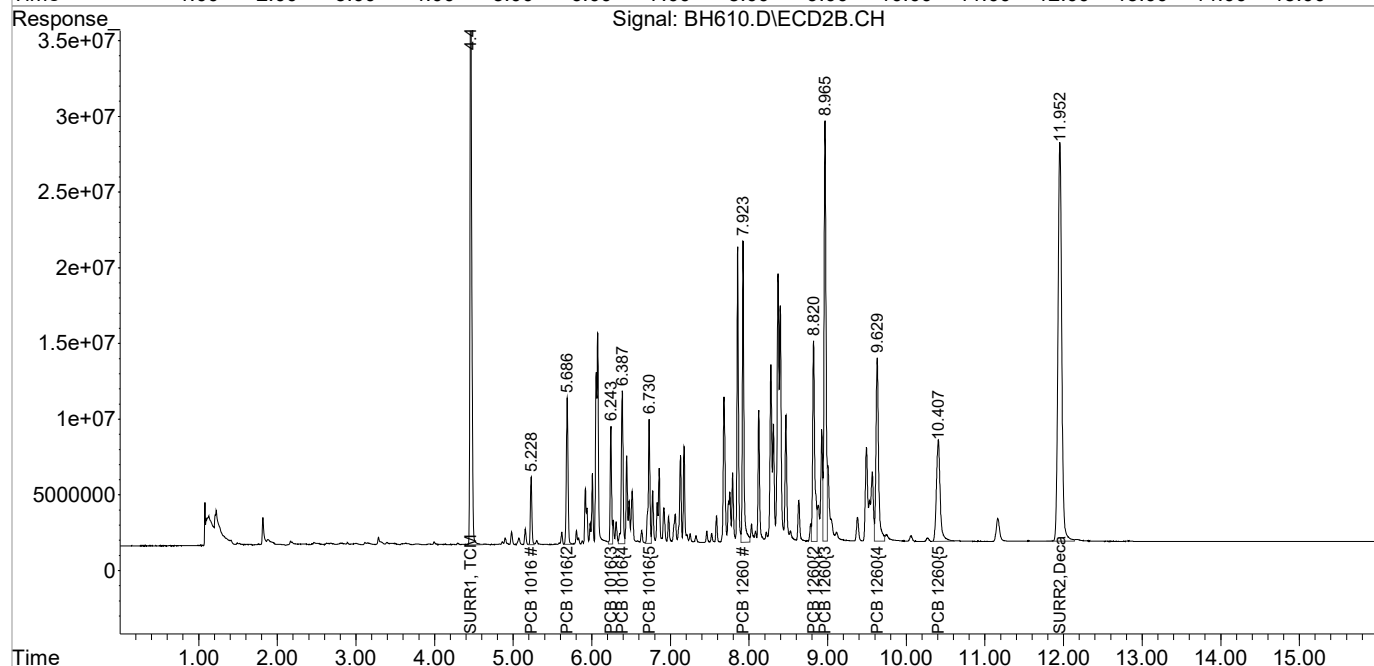
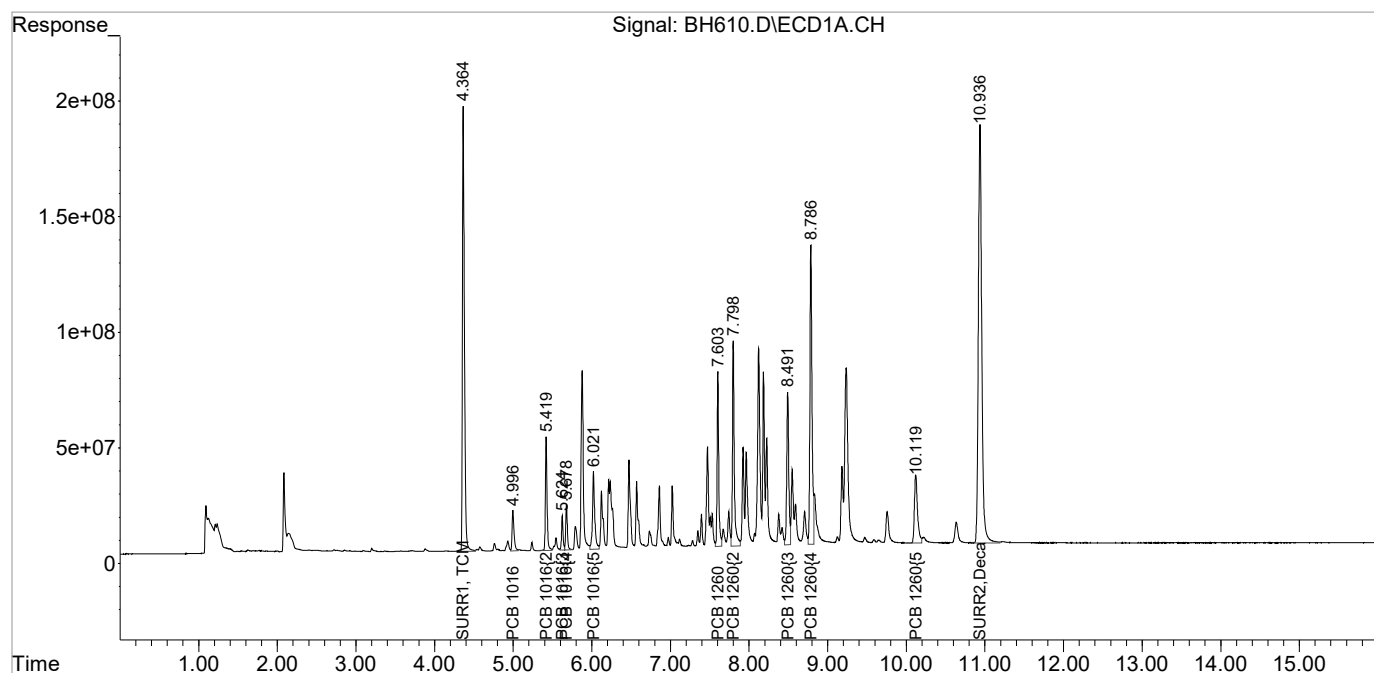
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.460	3359.0E6	622.3E6	55.543	49.640
Spiked Amount	100.000 Range	30 - 150	Recovery	=	55.54%	49.64%
2) S SURR2, Dec...	10.936	11.952	5449.3E6	880.2E6	95.038	91.017
Spiked Amount	100.000 Range	30 - 150	Recovery	=	95.04%	91.02%
Target Compounds						
3) L1c PCB 1016	4.997	5.229	306.5E6	58423840	300.501	281.673
4) L1c PCB 1016{2}	5.420	5.687	718.2E6	146.5E6	326.228	295.037
5) L1c PCB 1016{3}	5.624	6.243	205.5E6	94081025	340.760	324.535
6) L1c PCB 1016{4}	5.679	6.387	285.6E6	157.2E6	348.768	338.970
7) L1c PCB 1016{5}	6.022	6.730	669.6E6	121.0E6	370.302	364.221
Sum PCB 1016			2185.4E6	577.3E6	1686.559	1604.437
Average PCB 1016					337.312	320.887
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.603	7.924	1091.4E6	279.0E6	437.954	423.419
34) L7c PCB 1260{2}	7.799	8.820	1421.7E6	247.4E6	449.136	457.148
35) L7c PCB 1260{3}	8.491	8.966	1169.4E6	487.3E6	463.826	471.547
36) L7c PCB 1260{4}	8.786	9.630	2434.6E6	280.1E6	465.114m	468.719
37) L7c PCB 1260{5}	10.119	10.407	814.1E6	221.2E6	481.355	481.705
Sum PCB 1260			6931.3E6	1515.0E6	2297.385	2302.537
Average PCB 1260					459.477	460.507
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH610.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:52 pm
Operator :
Sample : rql904198-05
Misc : 336082/336135
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:01 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

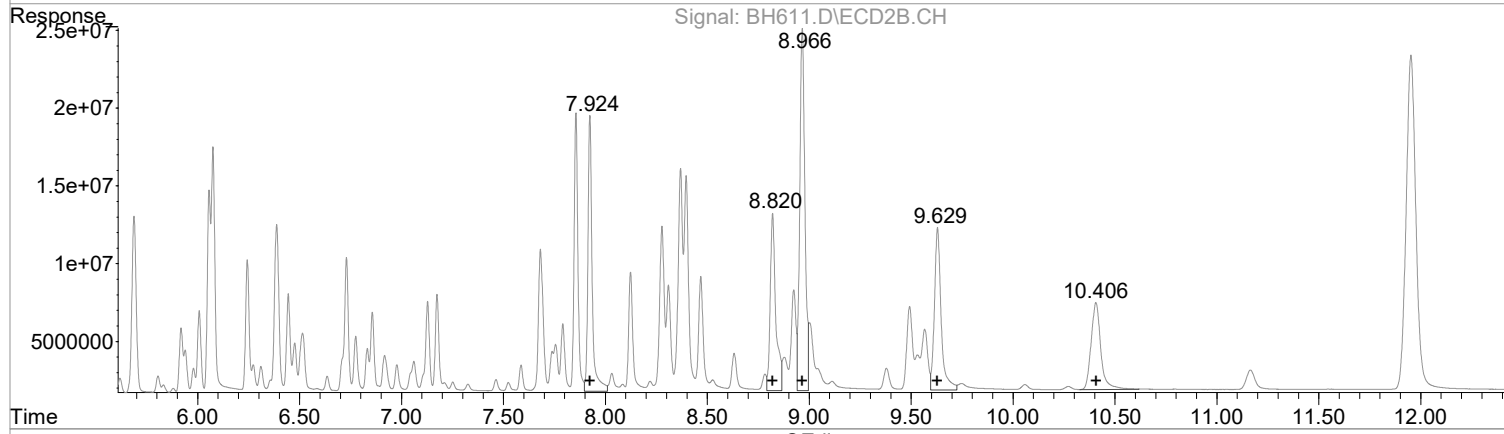
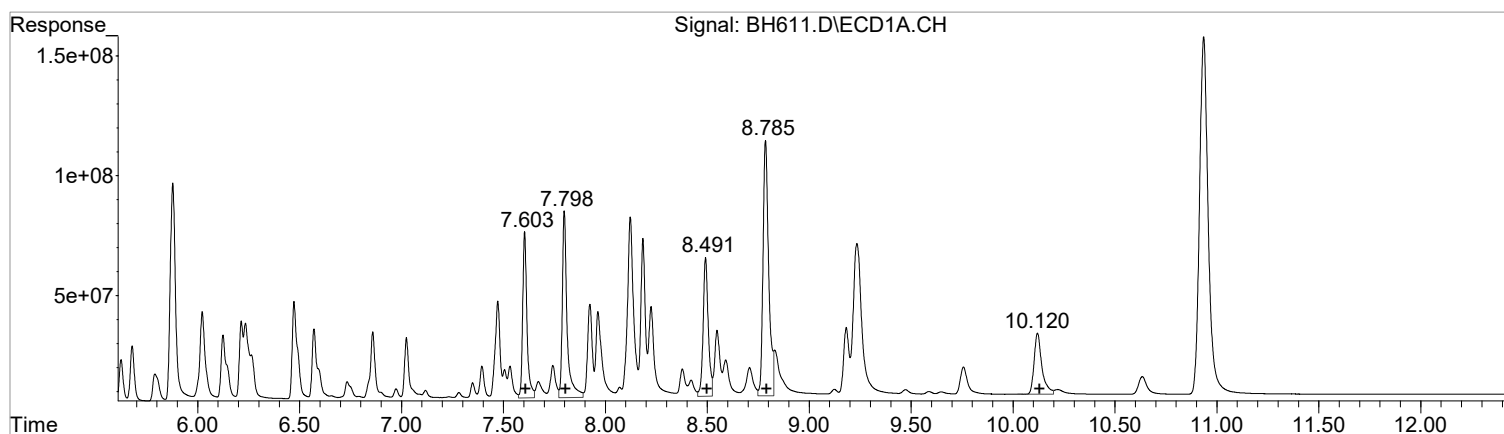
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rql904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1011895133	406.05
7.80	1277798397	403.66
8.49	1016081480	403.01
8.78	2075510382	396.50
10.12	683917900	404.37

Manual Integration:
After
Poor integration.
05/09/19

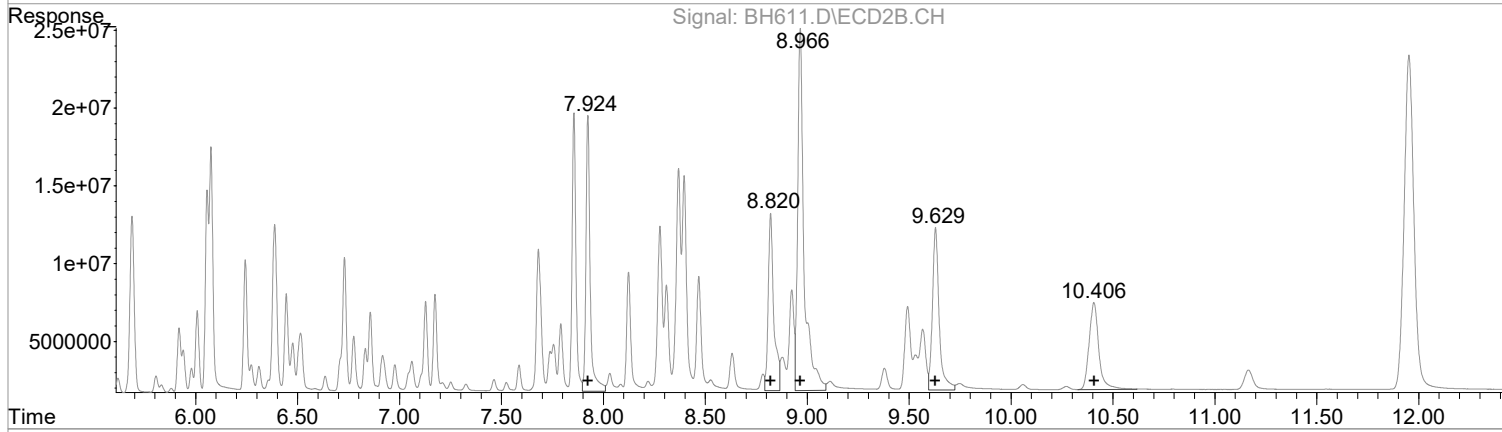
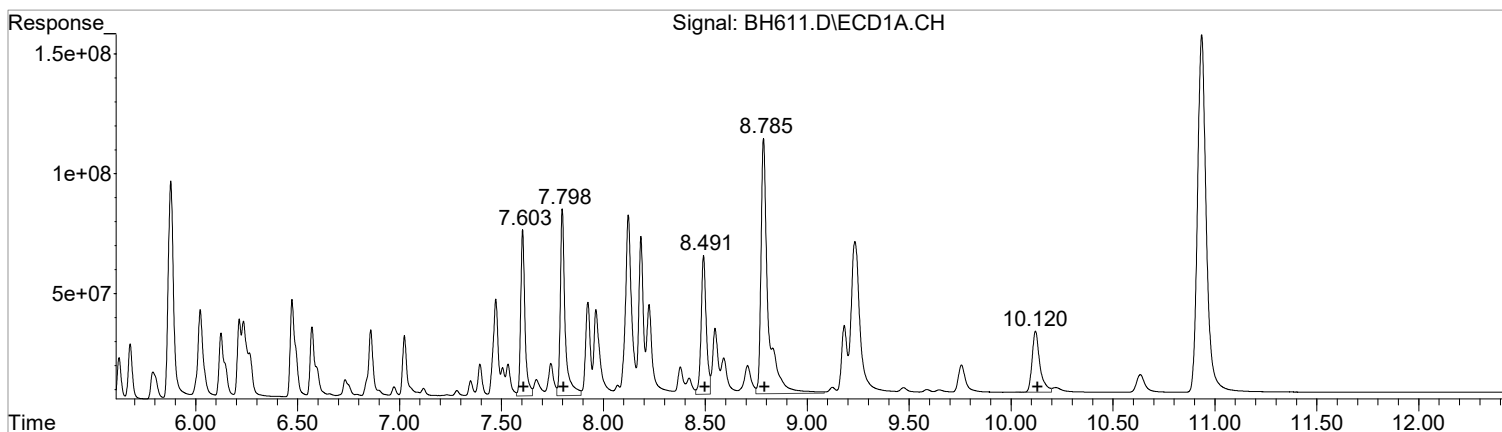
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	254659993	386.42
8.82	217367537	401.71
8.97	413268180	399.90
9.63	239190864	400.30
10.41	185802961	404.54

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rq1904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1011895133	406.05
7.80	1277798397	403.66
8.49	1016081480	403.01
8.79	2608799769	498.38
10.12	683917900	404.37

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	254659993	386.42
8.82	217367537	401.71
8.97	510850943	494.32
9.63	239190864	400.30
10.41	185802961	404.54

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH611.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 4:13 pm
 Operator :
 Sample : rql904198-06
 Misc : 336082/336135
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:04 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

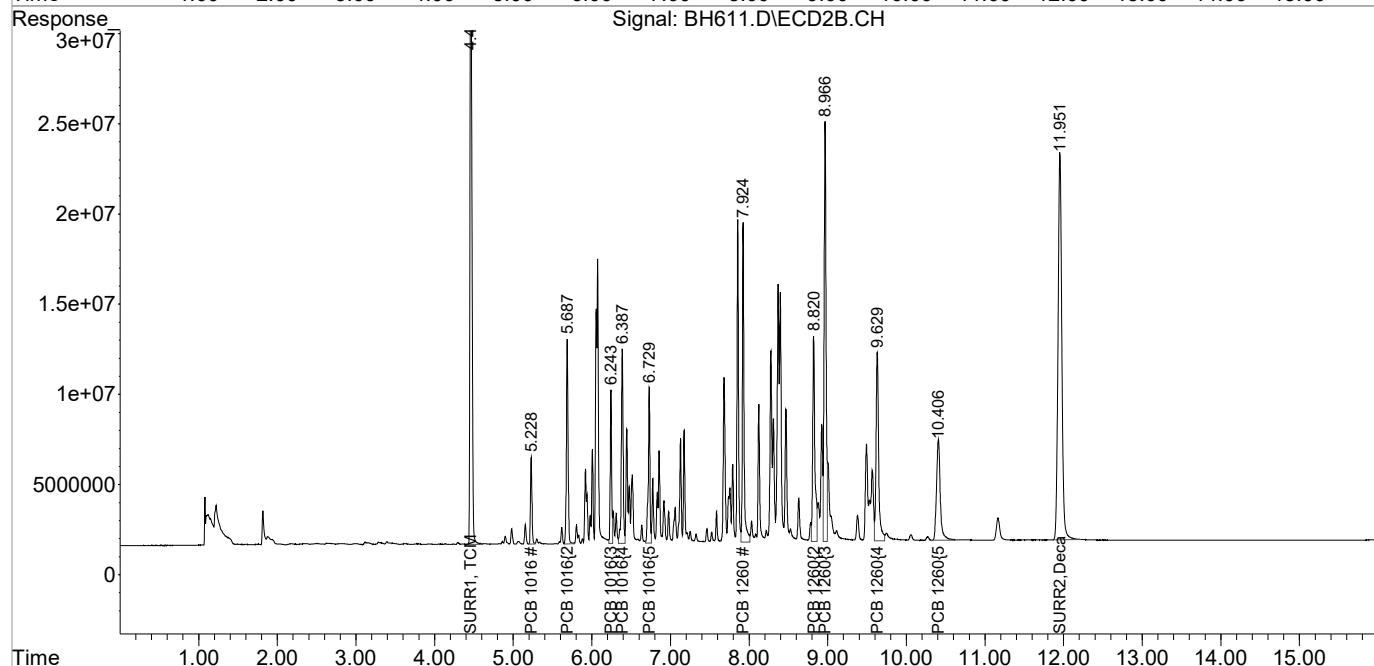
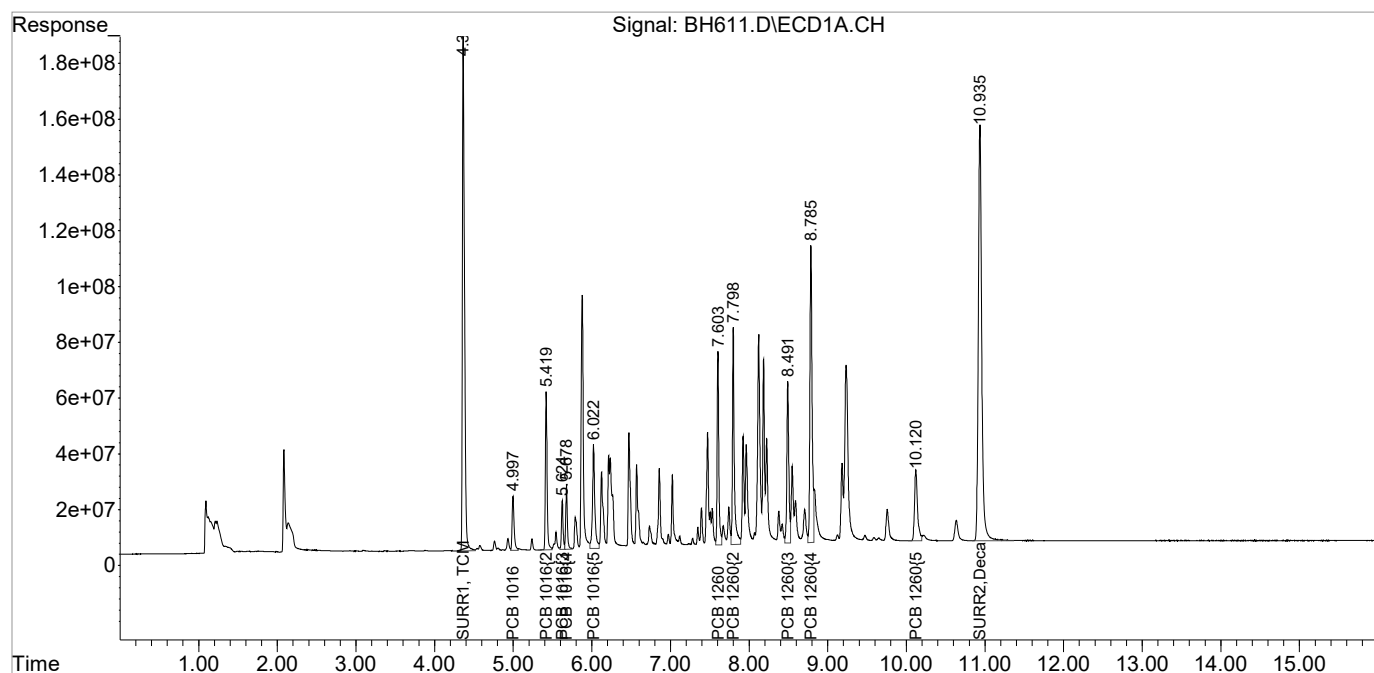
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.460	3447.6E6	629.2E6	57.007	50.192
Spiked Amount	100.000	Range	30 - 150	Recovery	= 57.01%	50.19%
2) S SURR2, Dec...	10.935	11.952	4496.0E6	719.9E6	78.411	74.440
Spiked Amount	100.000	Range	30 - 150	Recovery	= 78.41%	74.44%
Target Compounds						
3) L1c PCB 1016	4.998	5.229	342.1E6	64235648	335.484	309.693
4) L1c PCB 1016{2}	5.420	5.688	844.4E6	169.2E6	383.552	340.616
5) L1c PCB 1016{3}	5.624	6.244	242.6E6	105.0E6	402.193	362.323
6) L1c PCB 1016{4}	5.679	6.388	336.6E6	173.3E6	411.052	373.518
7) L1c PCB 1016{5}	6.022	6.730	762.6E6	127.1E6	421.751	382.537
Sum PCB 1016			2528.3E6	638.8E6	1954.032	1768.687
Average PCB 1016					390.806	353.737
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.604	7.924	1011.9E6	254.7E6	406.052	386.423
34) L7c PCB 1260{2}	7.798	8.821	1277.8E6	217.4E6	403.665	401.711
35) L7c PCB 1260{3}	8.492	8.966	1016.1E6	413.3E6	403.012	399.899m
36) L7c PCB 1260{4}	8.785	9.629	2075.5E6	239.2E6	396.505m	400.297
37) L7c PCB 1260{5}	10.120	10.406	683.9E6	185.8E6	404.369	404.544
Sum PCB 1260			6065.2E6	1310.3E6	2013.602	1992.874
Average PCB 1260					402.720	398.575
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH611.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 4:13 pm
Operator :
Sample : rql904198-06
Misc : 336082/336135
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:04 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

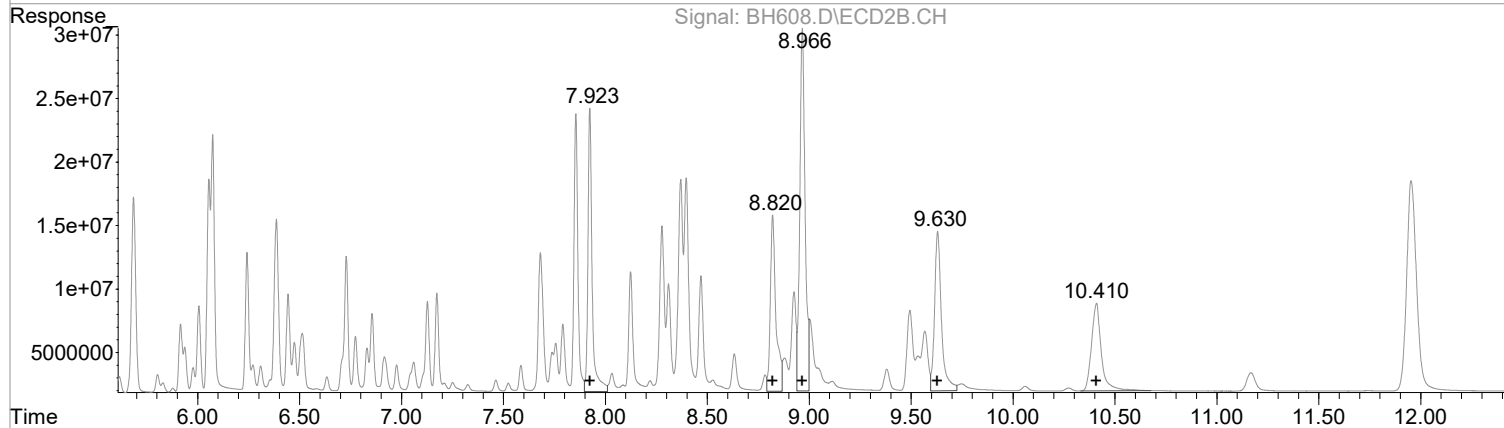
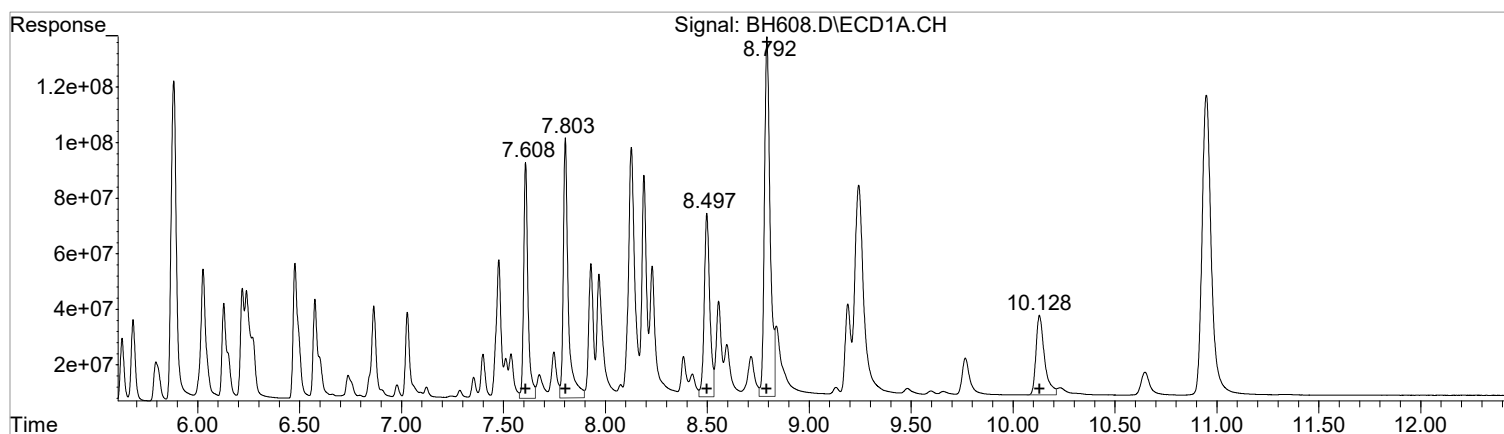
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.61	1249137279	501.25
7.80	1589905173	502.26
8.50	1249929649	495.76
8.79	2547812623	486.73
10.13	835275616	493.86

(33) PCB 1260 #2 (L7c)

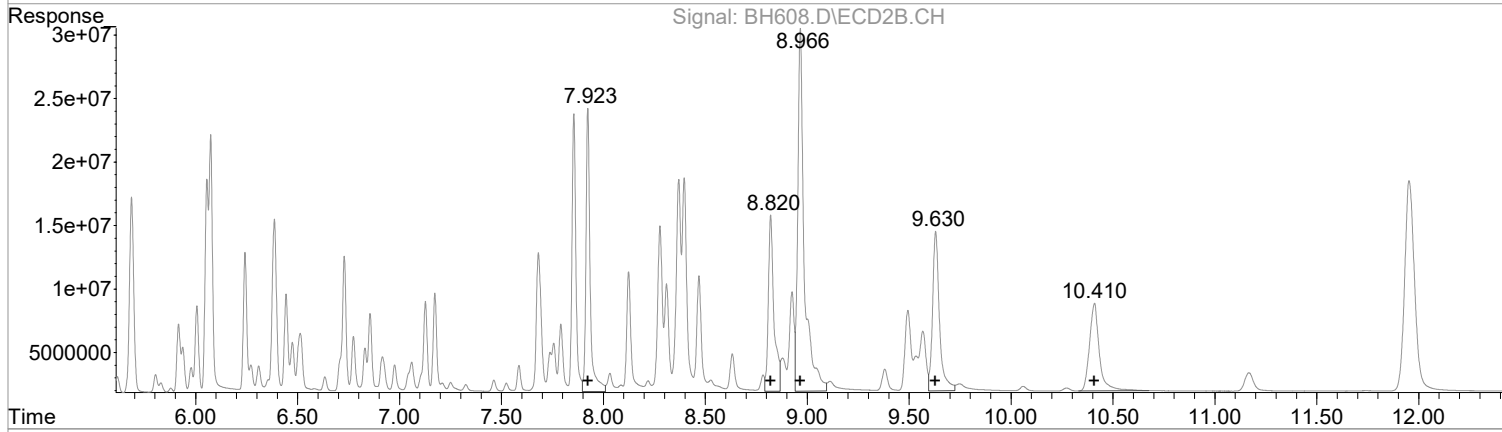
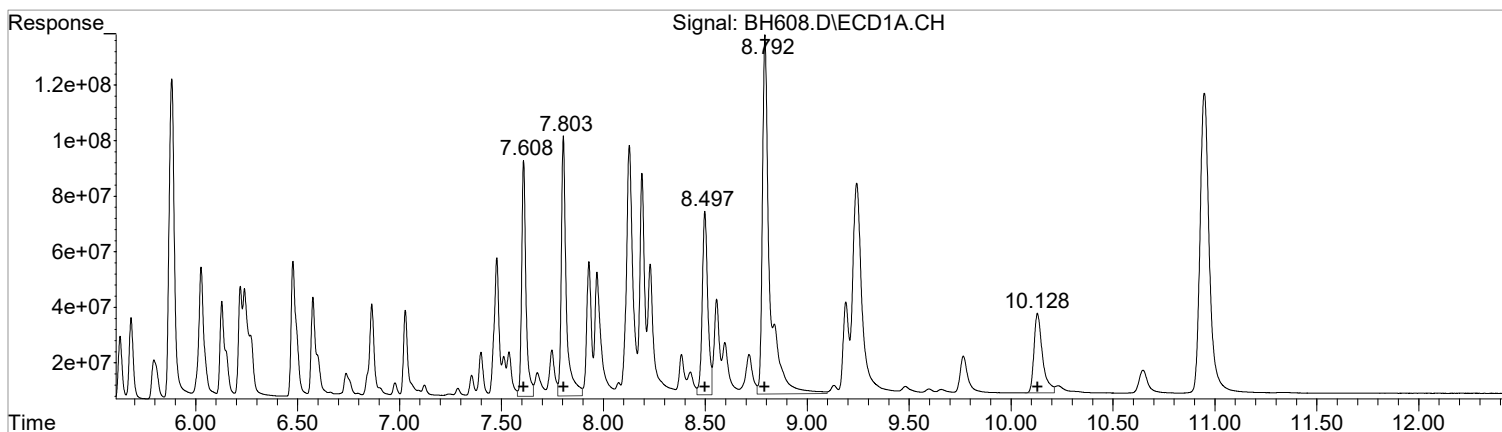
R.T.	Response	Conc
7.92	318049264	482.61
8.82	267212629	493.83
8.97	516417475	499.71
9.63	295847164	495.11
10.41	232475364	506.16

Manual Integration:
After
Poor integration.
05/09/19

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)		
R.T.	Response	Conc
7.61	1249137279	501.25
7.80	1589905173	502.26
8.50	1249929649	495.76
8.79	3252749705	621.40
10.13	835275616	493.86

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)		
R.T.	Response	Conc
7.92	318049264	482.61
8.82	267212629	493.83
8.97	639729699	619.03
9.63	295847164	495.11
10.41	232475364	506.16

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	67.006 E6	-10.8	97	-0.01
2 S SURR2,Decachlorobiphenyl	57.338	57.287 E6	0.1	92	-0.05
3 L1c PCB 1016	1019.835	1012.120 E3	0.8	93	-0.02
4 L1c PCB 1016{2}	2.202	2.139 E6	2.9	88	-0.02
5 L1c PCB 1016{3}	603.161	623.957 E3	-3.4	94	-0.02
6 L1c PCB 1016{4}	818.948	874.741 E3	-6.8	97	-0.02
7 L1c PCB 1016{5}	1.808	1.902 E6	-5.2	94	-0.02
33 L7c PCB 1260	2.492	2.498 E6	-0.2	92	-0.02
34 L7c PCB 1260{2}	3.165	3.180 E6	-0.5	92	-0.02
35 L7c PCB 1260{3}	2.521	2.500 E6	0.8	90	-0.02
36 L7C PCB 1260{4}	5.235	5.096 E6	2.7	88	-0.03
37 L7C PCB 1260{5}	1.691	1.671 E6	1.2	89	-0.04

Signal #2

1 S SURR1, TCMX	12.536	12.056 E6	3.8	86	0.00
2 S SURR2,Decachlorobiphenyl	9.671	9.480 E6	2.0	90	0.00
3 L1c PCB 1016	207.417	186.213 E3	10.2	84	0.00
4 L1c PCB 1016{2}	496.676	453.964 E3	8.6	86	0.00
5 L1c PCB 1016{3}	289.895	265.558 E3	8.4	84	0.00
6 L1c PCB 1016{4}	463.842	434.913 E3	6.2	86	0.00
7 L1c PCB 1016{5}	332.290	311.058 E3	6.4	86	0.00
33 L7c PCB 1260	659.018	636.099 E3	3.5	88	0.00
34 L7c PCB 1260{2}	541.105	534.425 E3	1.2	89	0.00
35 L7c PCB 1260{3}	1033.432	1032.835 E3	0.1	87	0.00
36 L7C PCB 1260{4}	597.534	591.694 E3	1.0	88	0.00
37 L7C PCB 1260{5}	459.290	464.951 E3	-1.2	90	0.00

Evaluate Continuing Calibration Report - Not Found

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8C PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8C PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8C PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8C PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8C PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9C PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9C PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9C PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9C PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9C PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 50

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH608.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 3:12 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:42:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:42:12 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

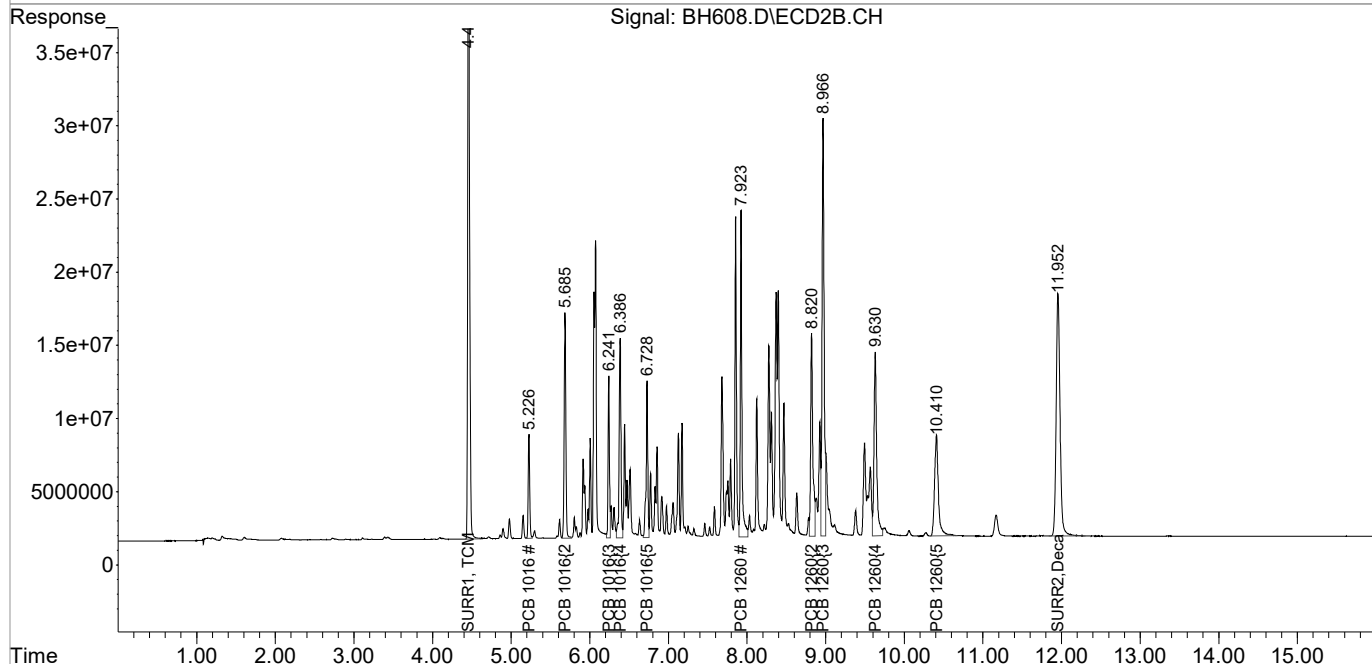
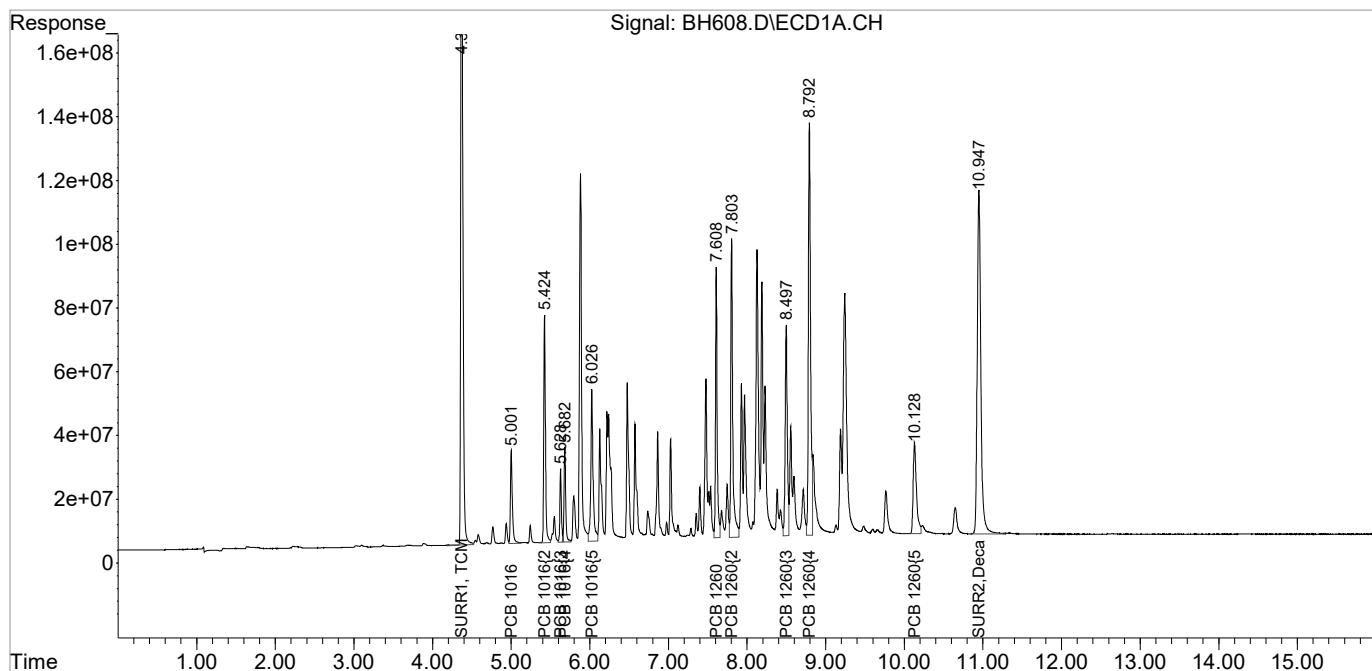
System Monitoring Compounds						
1) S SURR1, TCMX	4.369	4.457	4020.4E6	723.4E6	66.479	57.701
Spiked Amount	100.000	Range	30 - 150	Recovery	= 66.48%	57.70%
2) S SURR2, Dec...	10.948	11.952	3437.2E6	568.8E6	59.946	58.818
Spiked Amount	100.000	Range	30 - 150	Recovery	= 59.95%	58.82%
Target Compounds						
3) L1c PCB 1016	5.001	5.226	506.1E6	93106369	496.218	448.885
4) L1c PCB 1016{2}	5.425	5.685	1069.3E6	227.0E6	485.703	457.002
5) L1c PCB 1016{3}	5.629	6.242	312.0E6	132.8E6	517.239	458.026
6) L1c PCB 1016{4}	5.683	6.386	437.4E6	217.5E6	534.064	468.815
7) L1c PCB 1016{5}	6.026	6.729	951.1E6	155.5E6	526.004	468.053
Sum PCB 1016			3275.8E6	825.9E6	2559.226	2300.780
Average PCB 1016					511.845	460.156
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.609	7.924	1249.1E6	318.0E6	501.252	482.611
34) L7c PCB 1260{2}	7.804	8.820	1589.9E6	267.2E6	502.261	493.828
35) L7c PCB 1260{3}	8.498	8.966	1249.9E6	516.4E6	495.764	499.711m
36) L7c PCB 1260{4}	8.792	9.630	2547.8E6	295.8E6	486.733m	495.114
37) L7c PCB 1260{5}	10.129	10.410	835.3E6	232.5E6	493.859	506.163
Sum PCB 1260			7472.1E6	1630.0E6	2479.870	2477.427
Average PCB 1260					495.974	495.485
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH608.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 3:12 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:42:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:42:12 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH619.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 6:56 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	55.560 E6	8.1	80	-0.02
2 S SURR2,Decachlorobiphenyl	57.338	46.339 E6	19.2#	74	-0.07
3 L1c PCB 1016	1019.835	874.505 E3	14.3	80	-0.02
4 L1c PCB 1016{2}	2.202	1.824 E6	17.2#	75	-0.02
5 L1c PCB 1016{3}	603.161	532.038 E3	11.8	80	-0.02
6 L1c PCB 1016{4}	818.948	733.338 E3	10.5	81	-0.02
7 L1c PCB 1016{5}	1.808	1.607 E6	11.1	80	-0.02
33 L7c PCB 1260	2.492	2.089 E6	16.2#	77	-0.03
34 L7c PCB 1260{2}	3.165	2.626 E6	17.0#	76	-0.03
35 L7c PCB 1260{3}	2.521	2.113 E6	16.2#	76	-0.03
36 L7C PCB 1260{4}	5.235	4.313 E6	17.6#	74	-0.04
37 L7C PCB 1260{5}	1.691	1.408 E6	16.7#	75	-0.06

Signal #2

1 S SURR1, TCMX	12.536	10.359 E6	17.4#	74	0.00
2 S SURR2,Decachlorobiphenyl	9.671	7.555 E6	21.9#	72	0.00
3 L1c PCB 1016	207.417	161.037 E3	22.4#	73	0.00
4 L1c PCB 1016{2}	496.676	387.237 E3	22.0#	73	0.00
5 L1c PCB 1016{3}	289.895	224.277 E3	22.6#	71	0.00
6 L1c PCB 1016{4}	463.842	363.759 E3	21.6#	72	0.00
7 L1c PCB 1016{5}	332.290	258.746 E3	22.1#	72	0.00
33 L7c PCB 1260	659.018	503.866 E3	23.5#	70	0.00
34 L7c PCB 1260{2}	541.105	453.858 E3	16.1#	76	0.00
35 L7c PCB 1260{3}	1033.432	849.052 E3	17.8#	72	0.00
36 L7C PCB 1260{4}	597.534	466.036 E3	22.0#	69	0.00
37 L7C PCB 1260{5}	459.290	371.971 E3	19.0#	72	0.00

Evaluate Continuing Calibration Report - Not Found

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH619.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 6:56 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8c PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8c PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8c PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8c PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8c PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9c PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9c PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9c PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9c PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9c PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
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 Acq On : 08 May 2019 6:56 pm
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 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
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 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 66

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH619.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 6:56 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:28 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

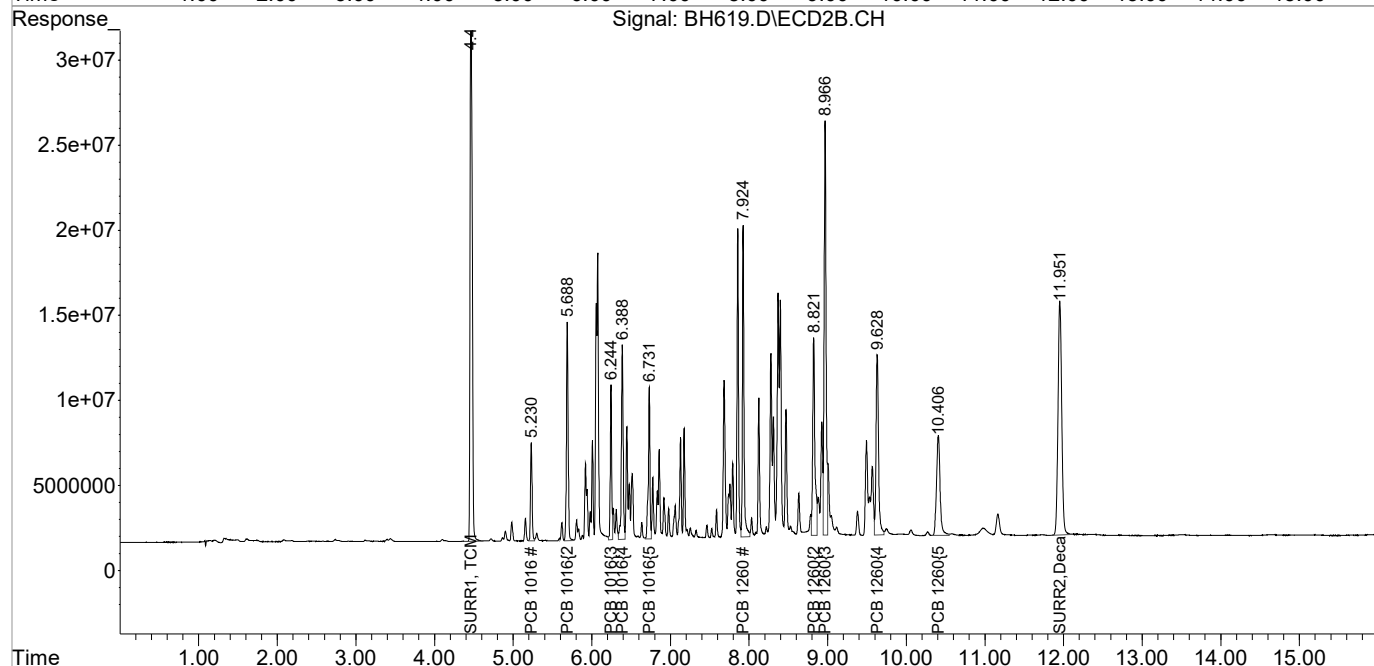
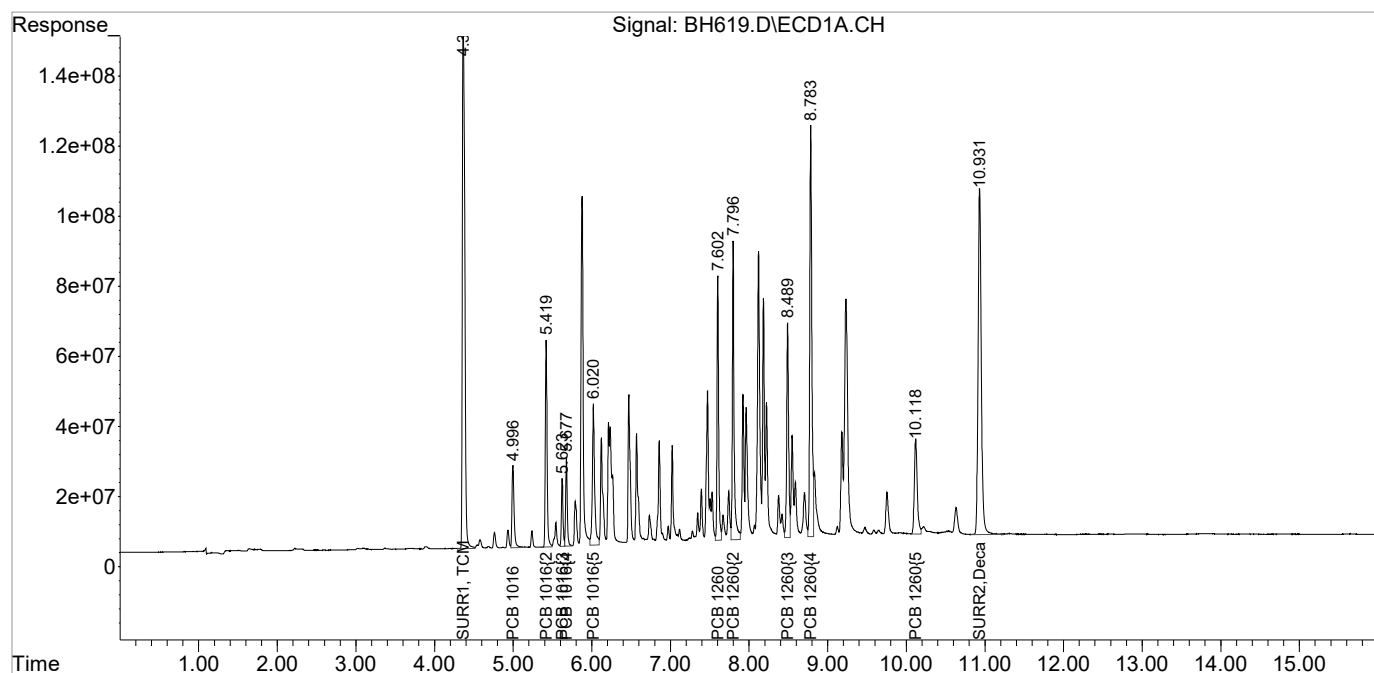
System Monitoring Compounds						
1) S SURR1, TCMX	4.365	4.462	3333.6E6	621.5E6	55.123	49.579
Spiked Amount	100.000	Range	30 - 150	Recovery	= 55.12%	49.58%
2) S SURR2, Dec...	10.931	11.951	2780.4E6	453.3E6	48.490	46.872
Spiked Amount	100.000	Range	30 - 150	Recovery	= 48.49%	46.87%
Target Compounds						
3) L1c PCB 1016	4.997	5.231	437.3E6	80518381	428.748	388.196
4) L1c PCB 1016{2}	5.420	5.689	912.1E6	193.6E6	414.288	389.829
5) L1c PCB 1016{3}	5.624	6.244	266.0E6	112.1E6	441.042	386.825
6) L1c PCB 1016{4}	5.678	6.388	366.7E6	181.9E6	447.732	392.115
7) L1c PCB 1016{5}	6.020	6.731	803.3E6	129.4E6	444.240	389.338
Sum PCB 1016			2785.3E6	697.5E6	2176.050	1946.303
Average PCB 1016					435.210	389.261
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.602	7.924	1044.3E6	251.9E6	419.041	382.286
34) L7c PCB 1260{2}	7.797	8.821	1313.2E6	226.9E6	414.851	419.381
35) L7c PCB 1260{3}	8.490	8.967	1056.6E6	424.5E6	419.078	410.793
36) L7c PCB 1260{4}	8.784	9.629	2156.7E6	233.0E6	412.008	389.966
37) L7c PCB 1260{5}	10.118	10.406	704.0E6	186.0E6	416.271	404.941
Sum PCB 1260			6274.8E6	1322.4E6	2081.249	2007.367
Average PCB 1260					416.250	401.473
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH619.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 6:56 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:28 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

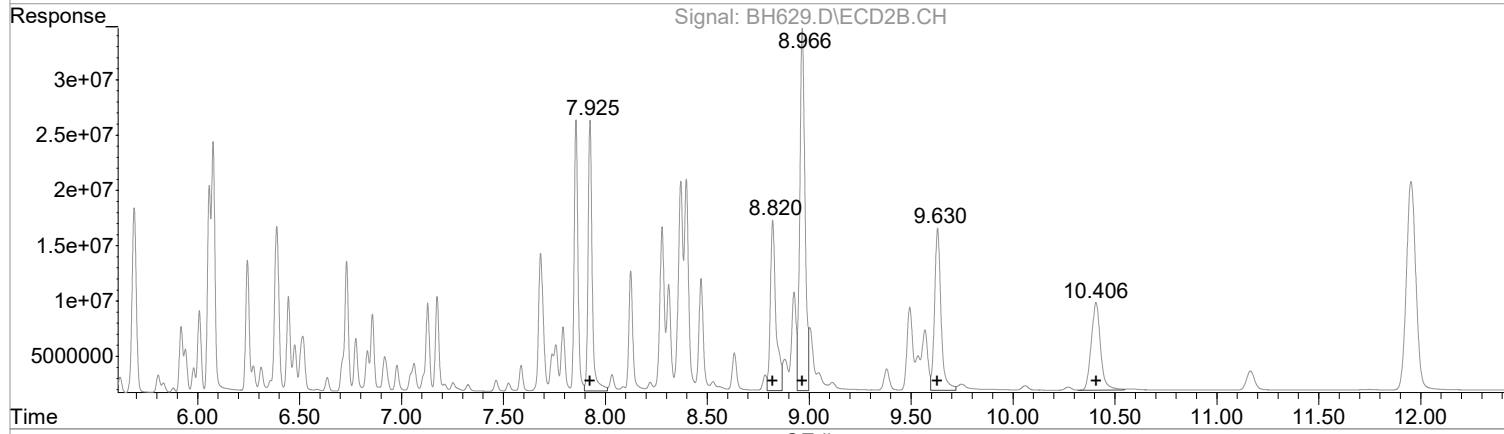
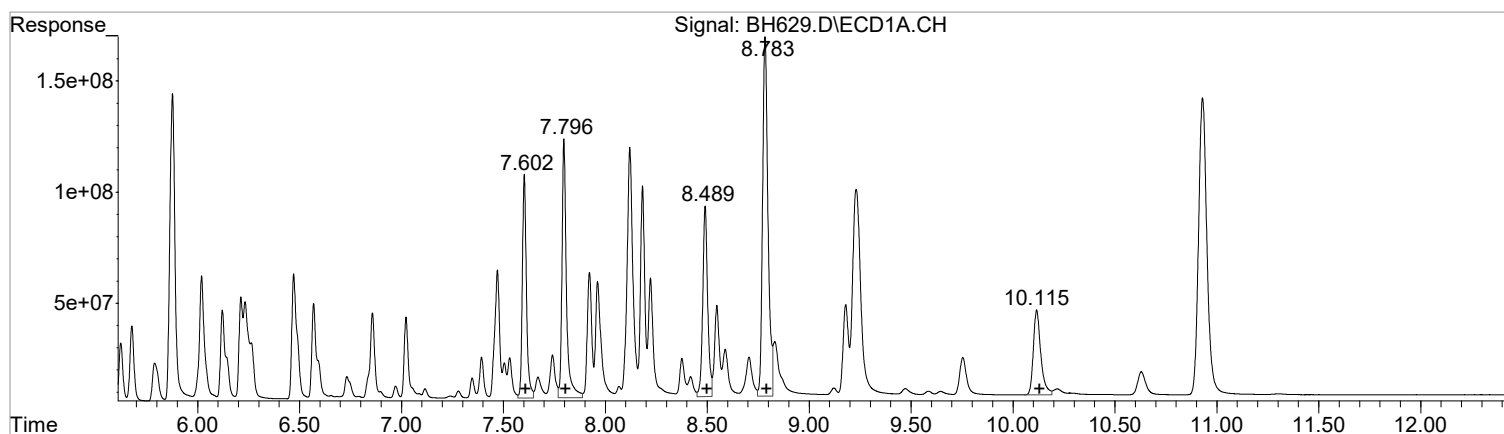
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1409851233	565.74
7.80	1774453862	560.56
8.49	1441043809	571.57
8.78	2992974030	571.78
10.12	969881373	573.45

Manual Integration:
After
Poor integration.
05/09/19

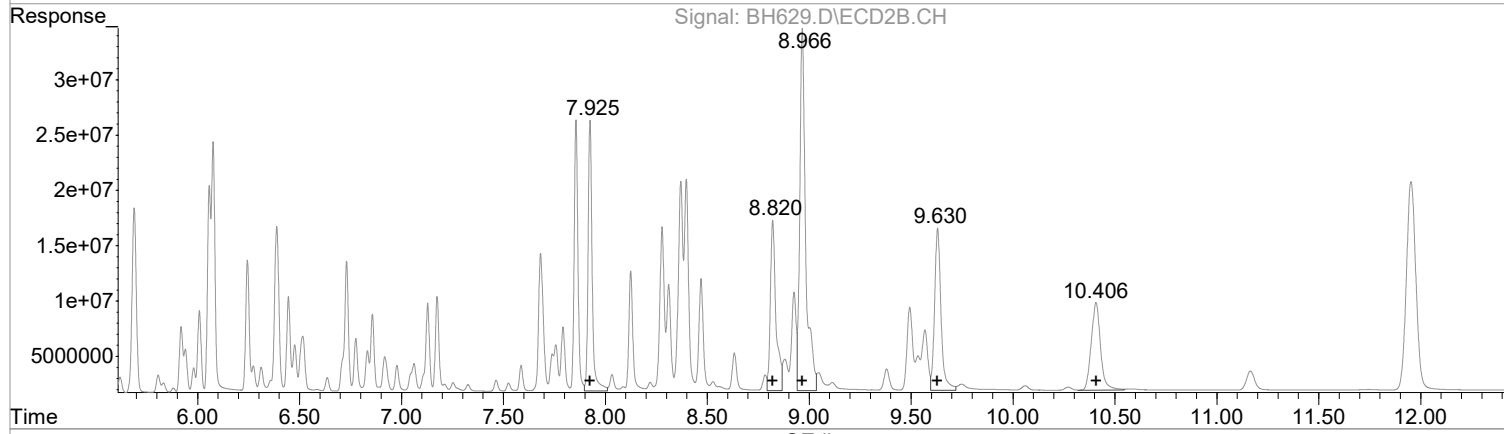
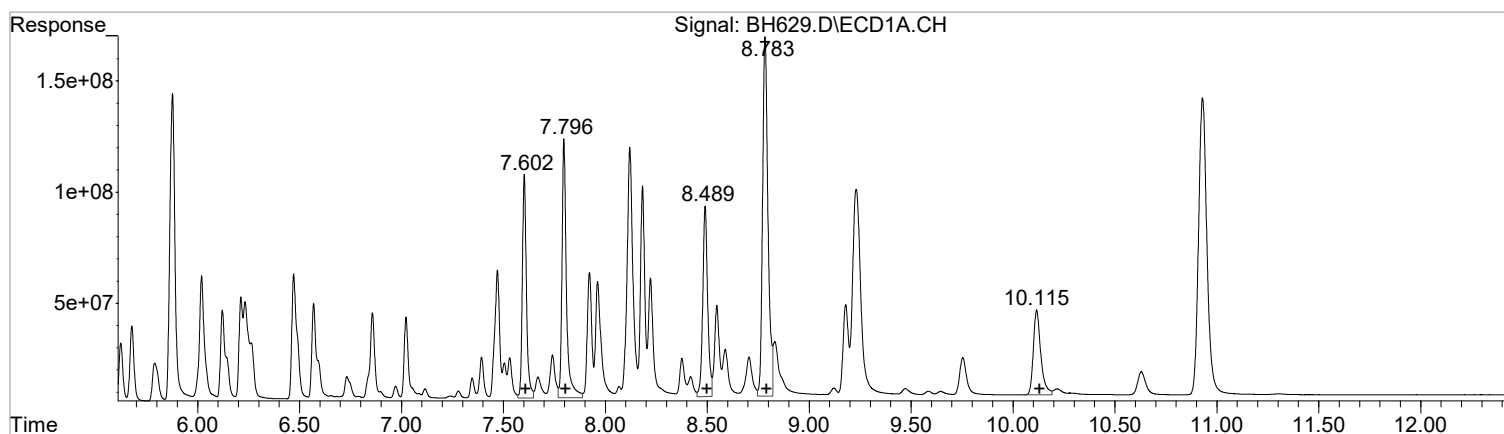
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	339735180	515.52
8.82	295090849	545.35
8.97	581828176	563.01
9.63	321942167	538.78
10.41	252167953	549.04

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.60	1409851233	565.74
7.80	1774453862	560.56
8.49	1441043809	571.57
8.78	2992974030	571.78
10.12	969881373	573.45

Manual Integration:
Before
05/09/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	339735180	515.52
8.82	295090849	545.35
8.97	664216755	642.73
9.63	321942167	538.78
10.41	252167953	549.04

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 S SURR1, TCMX	60.476	73.008 E6	-20.7#	105	-0.02
2 S SURR2,Decachlorobiphenyl	57.338	64.341 E6	-12.2	103	-0.07
3 L1c PCB 1016	1019.835	1137.758 E3	-11.6	104	-0.02
4 L1c PCB 1016{2}	2.202	2.348 E6	-6.6	96	-0.02
5 L1c PCB 1016{3}	603.161	714.523 E3	-18.5#	107	-0.02
6 L1c PCB 1016{4}	818.948	974.823 E3	-19.0#	108	-0.02
7 L1c PCB 1016{5}	1.808	2.144 E6	-18.6#	106	-0.02
33 L7c PCB 1260	2.492	2.820 E6	-13.2	104	-0.03
34 L7c PCB 1260{2}	3.165	3.549 E6	-12.1	103	-0.03
35 L7c PCB 1260{3}	2.521	2.882 E6	-14.3	103	-0.03
36 L7C PCB 1260{4}	5.235	5.986 E6	-14.3	103	-0.04
37 L7C PCB 1260{5}	1.691	1.940 E6	-14.7	104	-0.06

Signal #2

1 S SURR1, TCMX	12.536	13.123 E6	-4.7	93	0.00
2 S SURR2,Decachlorobiphenyl	9.671	10.263 E6	-6.1	97	0.00
3 L1c PCB 1016	207.417	203.165 E3	2.0	92	0.00
4 L1c PCB 1016{2}	496.676	491.766 E3	1.0	93	0.00
5 L1c PCB 1016{3}	289.895	292.209 E3	-0.8	93	0.00
6 L1c PCB 1016{4}	463.842	472.846 E3	-1.9	94	0.00
7 L1c PCB 1016{5}	332.290	338.802 E3	-2.0	94	0.00
33 L7c PCB 1260	659.018	679.470 E3	-3.1	94	0.00
34 L7c PCB 1260{2}	541.105	590.182 E3	-9.1	98	0.00
35 L7c PCB 1260{3}	1033.432	1163.656 E3	-12.6	98	0.00
36 L7C PCB 1260{4}	597.534	643.884 E3	-7.8	96	0.00
37 L7C PCB 1260{5}	459.290	504.336 E3	-9.8	98	0.00

Evaluate Continuing Calibration Report - Not Found

8 L2c PCB 1221	605.026	0.000 E3	100.0#	0#	-4.78#
9 L2c PCB 1221{2}	377.553	0.000 E3	100.0#	0#	-4.95#
10 L2c PCB 1221{3}	1.468	0.000 E6	100.0#	0#	-5.02#
11 L2c PCB 1221{4}	293.070	0.000 E3	100.0#	0#	-5.44#
12 L2c PCB 1221{5}	1.416	0.000 E6	100.0#	0#	-6.24#
13 L3c PCB 1232	1.149	0.000 E6	100.0#	0#	-5.01#
14 L3c PCB 1232{2}	936.264	0.000 E3	100.0#	0#	-5.44#
15 L3c PCB 1232{3}	1.704	0.000 E6	100.0#	0#	-5.90#
16 L3c PCB 1232{4}	694.012	0.000 E3	100.0#	0#	-6.04#
17 L3c PCB 1232{5}	630.718	0.000 E3	100.0#	0#	-6.49#
18 L4c PCB 1242	809.251	0.000 E3	100.0#	0#	-5.01#
19 L4c PCB 1242{2}	622.941	0.000 E3	100.0#	0#	-5.70#
20 L4c PCB 1242{3}	3.181	0.000 E6	100.0#	0#	-5.90#
21 L4c PCB 1242{4}	1.352	0.000 E6	100.0#	0#	-6.49#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
22 L4c PCB 1242{5}	1.246	0.000 E6	100.0#	0#	-6.59#
23 L5c PCB 1248	840.852	0.000 E3	100.0#	0#	-5.44#
24 L5c PCB 1248{2}	1.985	0.000 E6	100.0#	0#	-5.90#
25 L5c PCB 1248{3}	775.292	0.000 E3	100.0#	0#	-6.04#
26 L5c PCB 1248{4}	1.979	0.000 E6	100.0#	0#	-6.49#
27 L5c PCB 1248{5}	1.630	0.000 E6	100.0#	0#	-6.59#
28 L6c PCB 1254	850.019	0.000 E3	100.0#	0#	-7.30#
29 L6c PCB 1254{2}	1.318	0.000 E6	100.0#	0#	-7.37#
30 L6c PCB 1254{3}	2.888	0.000 E6	100.0#	0#	-7.48#
31 L6c PCB 1254{4}	1.551	0.000 E6	100.0#	0#	-7.63#
32 L6c PCB 1254{5}	799.805	0.000 E3	100.0#	0#	-8.51#
38 L8c PCB 1268	1.143	0.000 E6	100.0	0#	-8.21#
39 L8c PCB 1268{2}	1.597	0.000 E6	100.0	0#	-8.45#
40 L8c PCB 1268{3}	5.998	0.000 E6	100.0	0#	-9.51#
41 L8c PCB 1268{4}	1.554	0.000 E6	100.0	0#	-9.63#
42 L8c PCB 1268{5}	2.358	0.000 E6	100.0	0#	-10.17#
43 L9c PCB 1262	1.496	0.000 E6	100.0	0#	-7.49#
44 L9c PCB 1262{2}	1.846	0.000 E6	100.0	0#	-7.62#
45 L9c PCB 1262{3}	3.118	0.000 E6	100.0	0#	-8.21#
46 L9c PCB 1262{4}	4.854	0.000 E6	100.0	0#	-9.27#
47 L9c PCB 1262{5}	2.039	0.000 E6	100.0	0#	-10.16#

Signal #2

8 L2c PCB 1221	103.237	0.000 E3	100.0#	0#	-4.14#
9 L2c PCB 1221{2}	138.535	0.000 E3	100.0#	0#	-4.98#
10 L2c PCB 1221{3}	90.302	0.000 E3	100.0#	0#	-5.16#
11 L2c PCB 1221{4}	277.273	0.000 E3	100.0#	0#	-5.23#
12 L2c PCB 1221{5}	44.787	0.000 E3	100.0#	0#	-5.30#
13 L3c PCB 1232	64.955	0.000 E3	100.0#	0#	-5.16#
14 L3c PCB 1232{2}	224.672	0.000 E3	100.0#	0#	-5.23#
15 L3c PCB 1232{3}	223.956	0.000 E3	100.0#	0#	-5.69#
16 L3c PCB 1232{4}	103.247	0.000 E3	100.0#	0#	-6.98#
17 L3c PCB 1232{5}	129.738	0.000 E3	100.0#	0#	-7.05#
18 L4c PCB 1242	166.630	0.000 E3	100.0#	0#	-5.23#
19 L4c PCB 1242{2}	377.010	0.000 E3	100.0#	0#	-5.69#
20 L4c PCB 1242{3}	266.734	0.000 E3	100.0#	0#	-6.73#
21 L4c PCB 1242{4}	262.951	0.000 E3	100.0#	0#	-7.04#
22 L4c PCB 1242{5}	204.501	0.000 E3	100.0#	0#	-7.33#
23 L5c PCB 1248	188.724	0.000 E3	100.0#	0#	-5.69#
24 L5c PCB 1248{2}	351.818	0.000 E3	100.0#	0#	-6.39#
25 L5c PCB 1248{3}	209.968	0.000 E3	100.0#	0#	-6.45#
26 L5c PCB 1248{4}	352.892	0.000 E3	100.0#	0#	-6.73#
27 L5c PCB 1248{5}	208.079	0.000 E3	100.0#	0#	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: May 09 08:27:58 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Thu May 09 08:26:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	448.586	0.000 E3	100.0#	0#	-7.18#
29 L6c PCB 1254{2}	327.551	0.000 E3	100.0#	0#	-7.59#
30 L6c PCB 1254{3}	458.538	0.000 E3	100.0#	0#	-7.80#
31 L6c PCB 1254{4}	547.184	0.000 E3	100.0#	0#	-8.37#
32 L6c PCB 1254{5}	197.705	0.000 E3	100.0#	0#	-8.88#
38 L8C PCB 1268	256.976	0.000 E3	100.0	0#	-8.40#
39 L8C PCB 1268{2}	325.293	0.000 E3	100.0	0#	-8.79#
40 L8C PCB 1268{3}	1051.479	0.000 E3	100.0	0#	-10.06#
41 L8C PCB 1268{4}	264.053	0.000 E3	100.0	0#	-10.27#
42 L8C PCB 1268{5}	444.381	0.000 E3	100.0	0#	-10.41#
43 L9C PCB 1262	277.330	0.000 E3	100.0	0#	-7.68#
44 L9C PCB 1262{2}	471.688	0.000 E3	100.0	0#	-7.93#
45 L9C PCB 1262{3}	683.821	0.000 E3	100.0	0#	-8.40#
46 L9C PCB 1262{4}	486.941	0.000 E3	100.0	0#	-9.50#
47 L9C PCB 1262{5}	554.434	0.000 E3	100.0	0#	-10.41#

(#) = Out of Range

SPCC's out = 0 CCC's out = 53

Data Path : I:\ACQUDATA\6890G\Data\050819\
 Data File : BH629.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 May 2019 10:18 pm
 Operator :
 Sample : ccv
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
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 Quant Time: May 09 08:27:58 2019
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 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

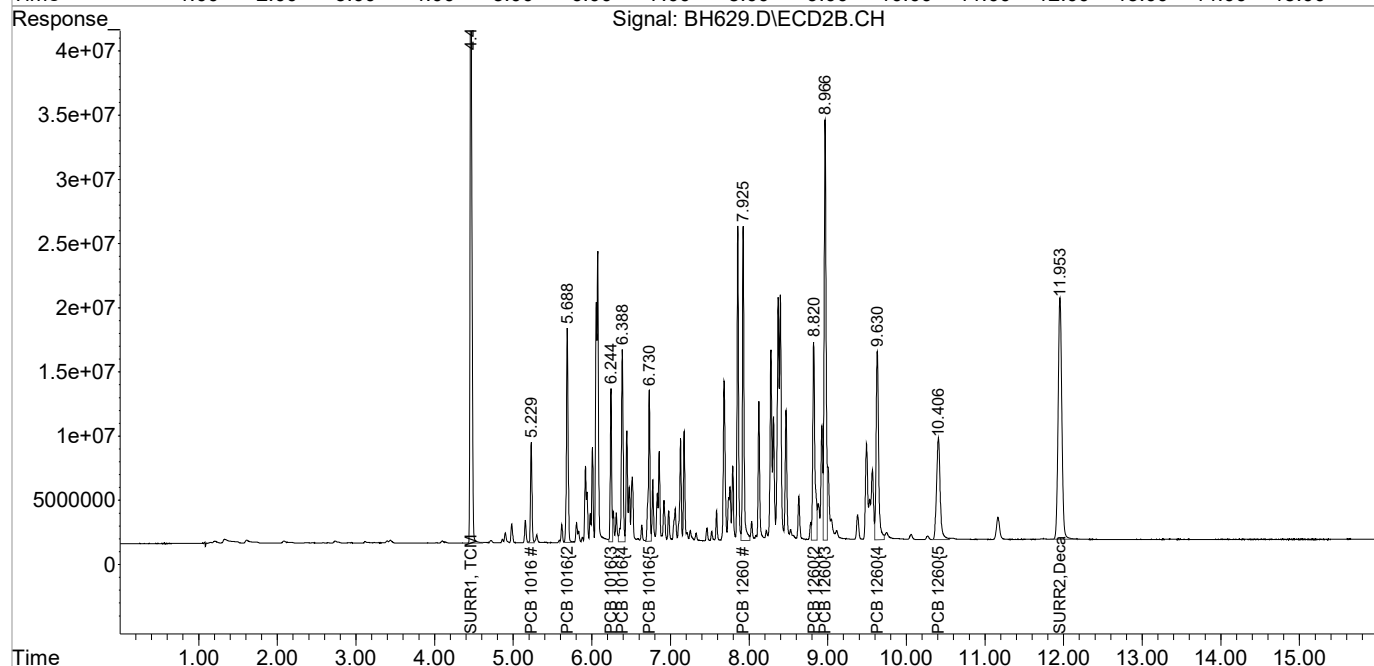
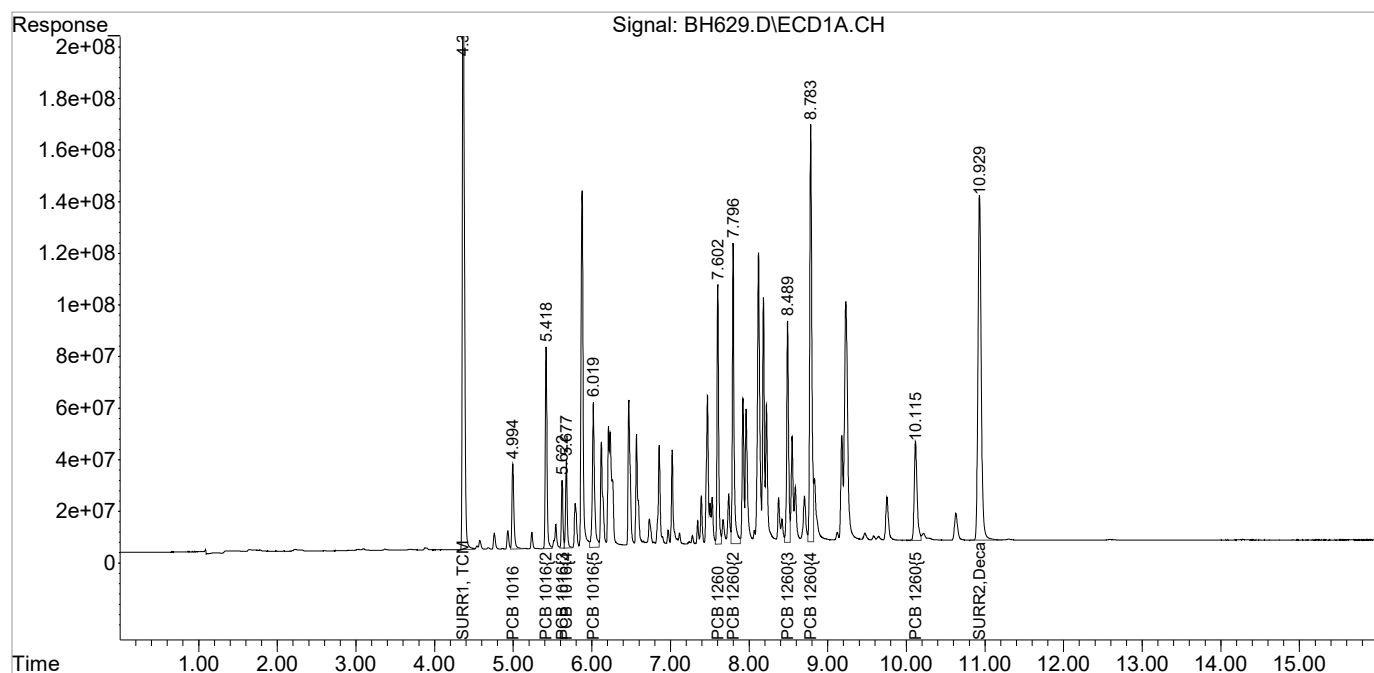
System Monitoring Compounds						
1) S SURR1, TCMX	4.364	4.462	4380.5E6	787.4E6	72.434	62.809
Spiked Amount	100.000	Range	30 - 150	Recovery	= 72.43%	62.81%
2) S SURR2, Dec...	10.930	11.953	3860.5E6	615.8E6	67.328	63.673
Spiked Amount	100.000	Range	30 - 150	Recovery	= 67.33%	63.67%
Target Compounds						
3) L1c PCB 1016	4.995	5.230	568.9E6	101.6E6	557.815	489.749
4) L1c PCB 1016{2}	5.419	5.689	1174.2E6	245.9E6	533.345	495.058
5) L1c PCB 1016{3}	5.623	6.244	357.3E6	146.1E6	592.315	503.992
6) L1c PCB 1016{4}	5.677	6.388	487.4E6	236.4E6	595.168	509.705
7) L1c PCB 1016{5}	6.019	6.731	1072.0E6	169.4E6	592.897	509.800
Sum PCB 1016			3659.8E6	899.4E6	2871.540	2508.304
Average PCB 1016					574.308	501.661
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.602	7.925	1409.9E6	339.7E6	565.743	515.517
34) L7c PCB 1260{2}	7.797	8.821	1774.5E6	295.1E6	560.562	545.349
35) L7c PCB 1260{3}	8.490	8.966	1441.0E6	581.8E6	571.567	563.006m
36) L7c PCB 1260{4}	8.783	9.630	2993.0E6	321.9E6	571.776	538.785
37) L7c PCB 1260{5}	10.116	10.407	969.9E6	252.2E6	573.445	549.039
Sum PCB 1260			8588.2E6	1790.8E6	2843.093	2711.696
Average PCB 1260					568.619	542.339
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\050819\
Data File : BH629.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 May 2019 10:18 pm
Operator :
Sample : ccv
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: May 09 08:27:58 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Thu May 09 08:26:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH472.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:16 am
 Operator :
 Sample : blk
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 15:05:13 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

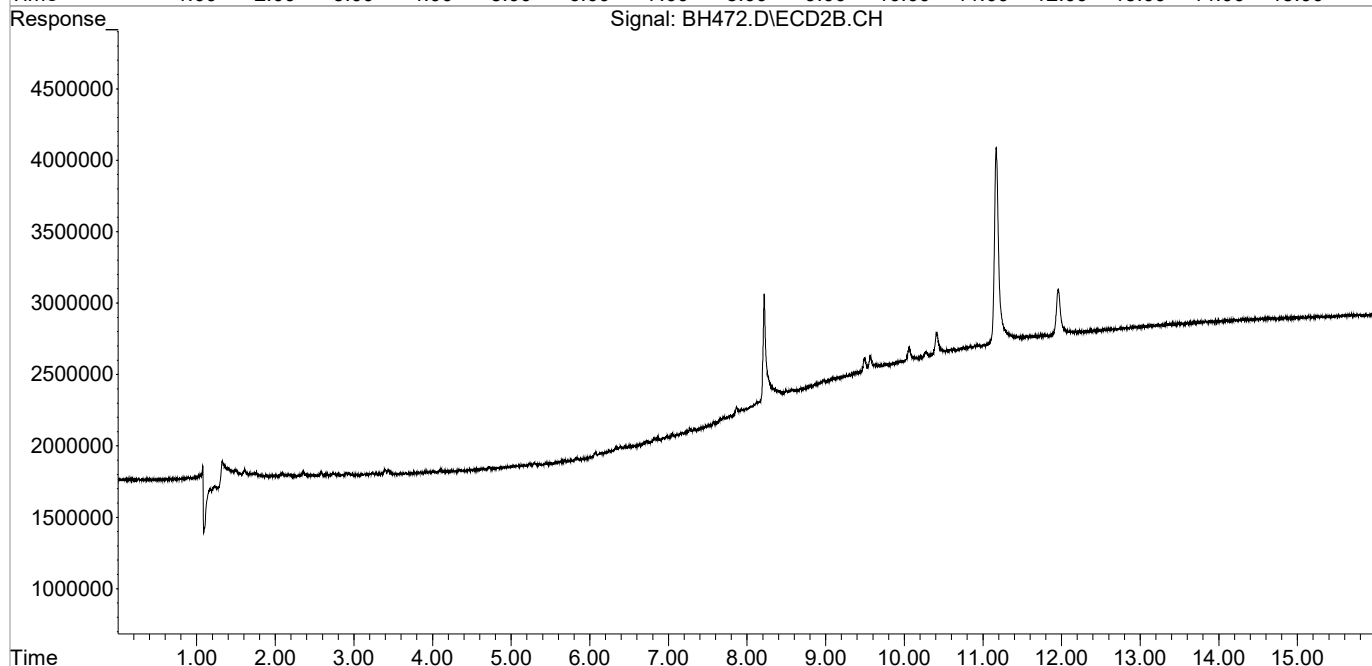
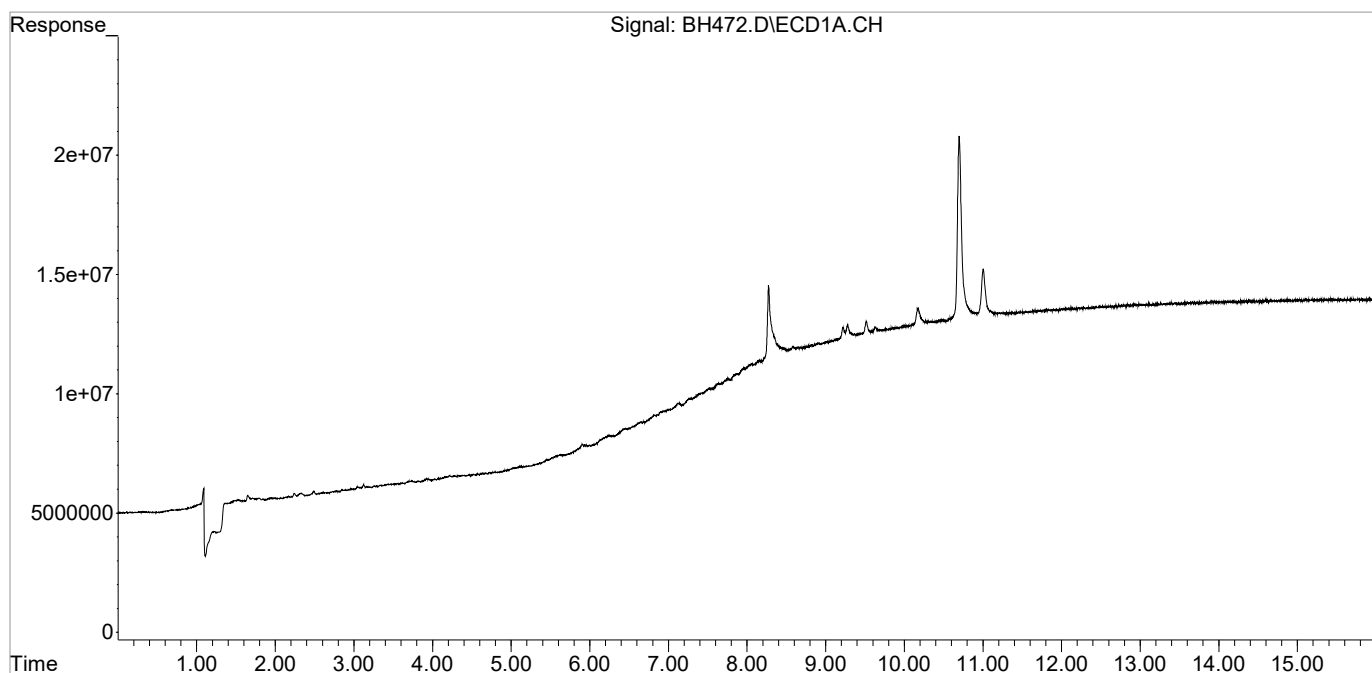
System Monitoring Compounds						
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH472.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:16 am
Operator :
Sample : blk
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 15:05:13 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:58:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

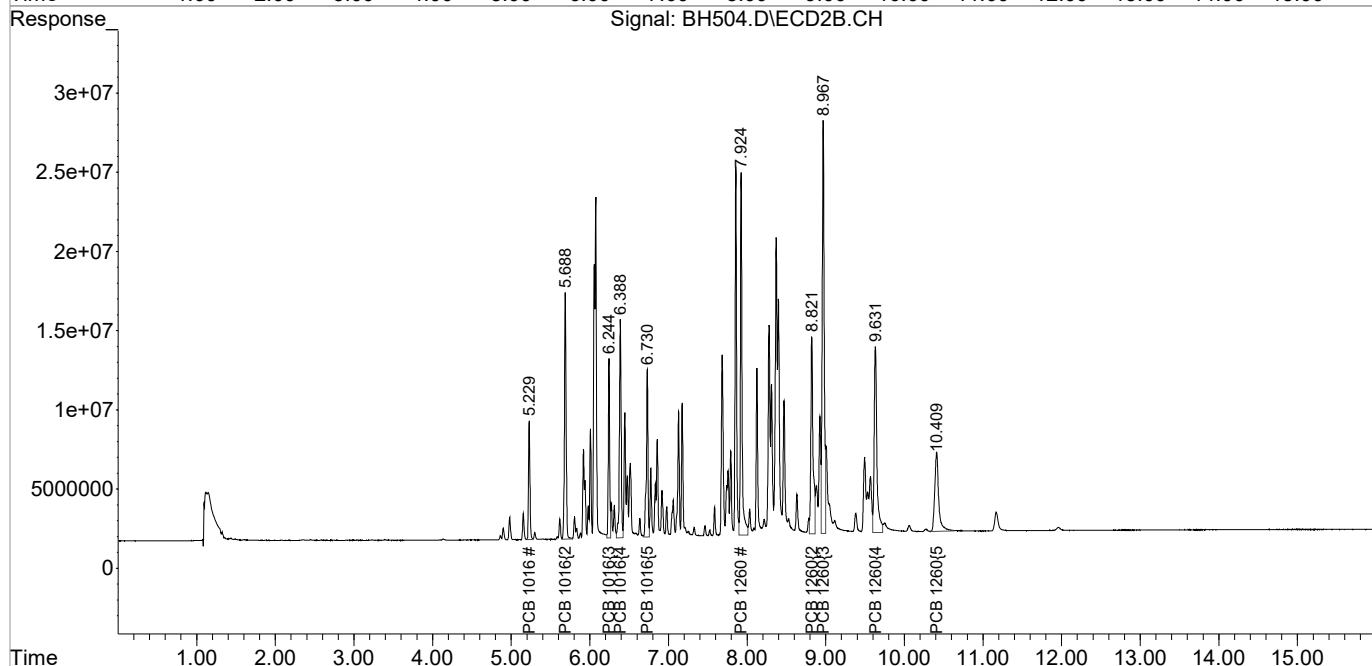
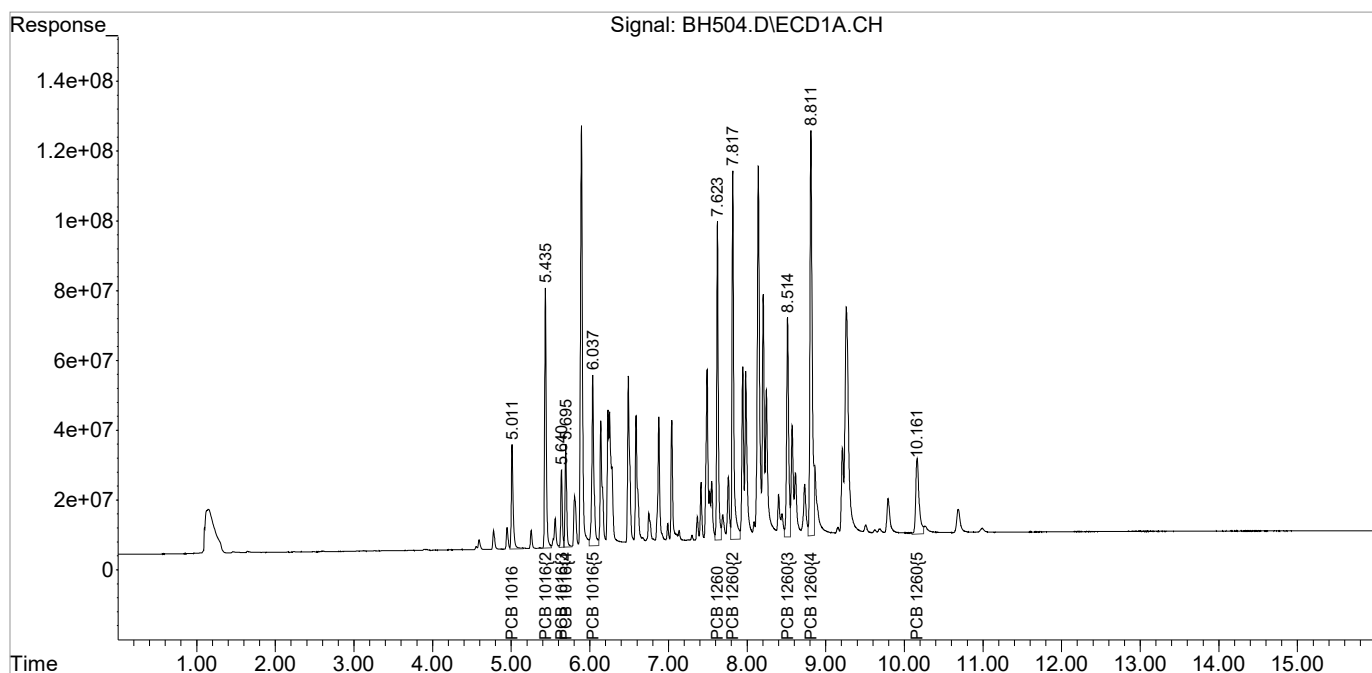
System Monitoring Compounds						
Target Compounds						
3) L1c PCB 1016	5.011	5.229	498.6E6	96248832	488.860	464.035
4) L1c PCB 1016{2}	5.436	5.688	1092.2E6	231.4E6	496.092	465.860
5) L1c PCB 1016{3}	5.640	6.244	301.5E6	136.5E6	499.829	470.967
6) L1c PCB 1016{4}	5.695	6.389	415.3E6	216.8E6	507.112	467.374
7) L1c PCB 1016{5}	6.038	6.731	921.9E6	154.2E6	509.834	464.038
Sum PCB 1016			3229.3E6	835.1E6	2501.727	2332.275
Average PCB 1016					500.345	466.455
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.623	7.925	1279.8E6	331.6E6	513.563	503.224
34) L7c PCB 1260{2}	7.818	8.822	1620.0E6	243.8E6	511.768	450.511
35) L7c PCB 1260{3}	8.515	8.967	1134.3E6	463.9E6	449.906	448.930
36) L7c PCB 1260{4}	8.811	9.631	2343.3E6	280.9E6	447.664m	470.021
37) L7c PCB 1260{5}	10.161	10.410	648.1E6	174.8E6	383.209m	380.631
Sum PCB 1260			7025.6E6	1495.0E6	2306.109	2253.317
Average PCB 1260					461.222	450.663
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH504.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 11:08 am
Operator :
Sample : 1660 ICV
Misc : INITIAL CAL.
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:58:59 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:58:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
3 L1c PCB 1016	500.000	488.860	2.2	91	0.00
4 L1c PCB 1016{2}	500.000	496.092	0.8	90	0.00
5 L1c PCB 1016{3}	500.000	499.829	0.0	91	0.00
6 L1c PCB 1016{4}	500.000	507.112	-1.4	92	0.00
7 L1c PCB 1016{5}	500.000	509.834	-2.0	91	0.00
33 L7c PCB 1260	500.000	513.563	-2.7	94	0.00
34 L7c PCB 1260{2}	500.000	511.768	-2.4	94	0.00
35 L7c PCB 1260{3}	500.000	449.906	10.0	81	0.00
36 L7C PCB 1260{4}	500.000	447.664	10.5	81	0.00
37 L7C PCB 1260{5}	500.000	383.209	23.4#	69	-0.01

Signal #2

3 L1c PCB 1016	500.000	464.035	7.2	87	0.00
4 L1c PCB 1016{2}	500.000	465.860	6.8	87	0.00
5 L1c PCB 1016{3}	500.000	470.967	5.8	87	0.00
6 L1c PCB 1016{4}	500.000	467.374	6.5	86	0.00
7 L1c PCB 1016{5}	500.000	464.038	7.2	85	0.00
33 L7c PCB 1260	500.000	503.224	-0.6	92	0.00
34 L7c PCB 1260{2}	500.000	450.511	9.9	81	0.00
35 L7c PCB 1260{3}	500.000	448.930	10.2	78	0.00
36 L7C PCB 1260{4}	500.000	470.021	6.0	83	0.00
37 L7C PCB 1260{5}	500.000	380.631	23.9#	68	0.00

Evaluate Continuing Calibration Report - Not Found

1 S SURR1, TCMX	60.000	0.000	100.0#	0	-4.38#
2 S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-11.00#
8 L2c PCB 1221	500.000	0.000	100.0#	0	-4.78#
9 L2c PCB 1221{2}	500.000	0.000	100.0#	0	-4.95#
10 L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.02#
11 L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.44#
12 L2c PCB 1221{5}	500.000	0.000	100.0#	0	-6.24#
13 L3c PCB 1232	500.000	0.000	100.0#	0	-5.01#
14 L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.44#
15 L3c PCB 1232{3}	500.000	0.000	100.0#	0	-5.90#
16 L3c PCB 1232{4}	500.000	0.000	100.0#	0	-6.04#
17 L3c PCB 1232{5}	500.000	0.000	100.0#	0	-6.49#
18 L4c PCB 1242	500.000	0.000	100.0#	0	-5.01#
19 L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.70#
20 L4c PCB 1242{3}	500.000	0.000	100.0#	0	-5.90#
21 L4c PCB 1242{4}	500.000	0.000	100.0#	0	-6.49#
22 L4c PCB 1242{5}	500.000	0.000	100.0#	0	-6.59#
23 L5c PCB 1248	500.000	0.000	100.0#	0	-5.44#

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 L5c PCB 1248{2}	500.000	0.000	100.0#	0	-5.90#
25 L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.04#
26 L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.49#
27 L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.59#
28 L6c PCB 1254	500.000	0.000	100.0#	0	-7.30#
29 L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.37#
30 L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.48#
31 L6c PCB 1254{4}	500.000	0.000	100.0#	0	-7.63#
32 L6c PCB 1254{5}	500.000	0.000	100.0#	0	-8.51#
38 L8C PCB 1268	500.000	0.000	100.0	0	-8.21#
39 L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.45#
40 L8C PCB 1268{3}	500.000	0.000	100.0	0	-9.51#
41 L8C PCB 1268{4}	500.000	0.000	100.0	0	-9.63#
42 L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.17#
43 L9C PCB 1262	500.000	0.000	100.0	0	-7.49#
44 L9C PCB 1262{2}	500.000	0.000	100.0	0	-7.62#
45 L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.21#
46 L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.27#
47 L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.16#

Signal #2

1 S SURR1, TCMX	60.000	0.000	100.0#	0	-4.46#
2 S SURR2,Decachlorobiphenyl	60.000	0.000	100.0#	0	-11.96#
8 L2c PCB 1221	500.000	0.000	100.0#	0	-4.14#
9 L2c PCB 1221{2}	500.000	0.000	100.0#	0	-4.98#
10 L2c PCB 1221{3}	500.000	0.000	100.0#	0	-5.16#
11 L2c PCB 1221{4}	500.000	0.000	100.0#	0	-5.23#
12 L2c PCB 1221{5}	500.000	0.000	100.0#	0	-5.30#
13 L3c PCB 1232	500.000	0.000	100.0#	0	-5.16#
14 L3c PCB 1232{2}	500.000	0.000	100.0#	0	-5.23#
15 L3c PCB 1232{3}	500.000	0.000	100.0#	0	-5.69#
16 L3c PCB 1232{4}	500.000	0.000	100.0#	0	-6.98#
17 L3c PCB 1232{5}	500.000	0.000	100.0#	0	-7.05#
18 L4c PCB 1242	500.000	0.000	100.0#	0	-5.23#
19 L4c PCB 1242{2}	500.000	0.000	100.0#	0	-5.69#
20 L4c PCB 1242{3}	500.000	0.000	100.0#	0	-6.73#
21 L4c PCB 1242{4}	500.000	0.000	100.0#	0	-7.04#
22 L4c PCB 1242{5}	500.000	0.000	100.0#	0	-7.33#
23 L5c PCB 1248	500.000	0.000	100.0#	0	-5.69#
24 L5c PCB 1248{2}	500.000	0.000	100.0#	0	-6.39#
25 L5c PCB 1248{3}	500.000	0.000	100.0#	0	-6.45#
26 L5c PCB 1248{4}	500.000	0.000	100.0#	0	-6.73#
27 L5c PCB 1248{5}	500.000	0.000	100.0#	0	-6.86#

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28 L6c PCB 1254	500.000	0.000	100.0#	0	-7.18#
29 L6c PCB 1254{2}	500.000	0.000	100.0#	0	-7.59#
30 L6c PCB 1254{3}	500.000	0.000	100.0#	0	-7.80#
31 L6c PCB 1254{4}	500.000	0.000	100.0#	0	-8.37#
32 L6c PCB 1254{5}	500.000	0.000	100.0#	0	-8.88#
38 L8C PCB 1268	500.000	0.000	100.0	0	-8.40#
39 L8C PCB 1268{2}	500.000	0.000	100.0	0	-8.79#
40 L8C PCB 1268{3}	500.000	0.000	100.0	0	-10.06#
41 L8C PCB 1268{4}	500.000	0.000	100.0	0	-10.27#
42 L8C PCB 1268{5}	500.000	0.000	100.0	0	-10.41#
43 L9C PCB 1262	500.000	0.000	100.0	0	-7.68#
44 L9C PCB 1262{2}	500.000	0.000	100.0	0	-7.93#
45 L9C PCB 1262{3}	500.000	0.000	100.0	0	-8.40#
46 L9C PCB 1262{4}	500.000	0.000	100.0	0	-9.50#
47 L9C PCB 1262{5}	500.000	0.000	100.0	0	-10.41#

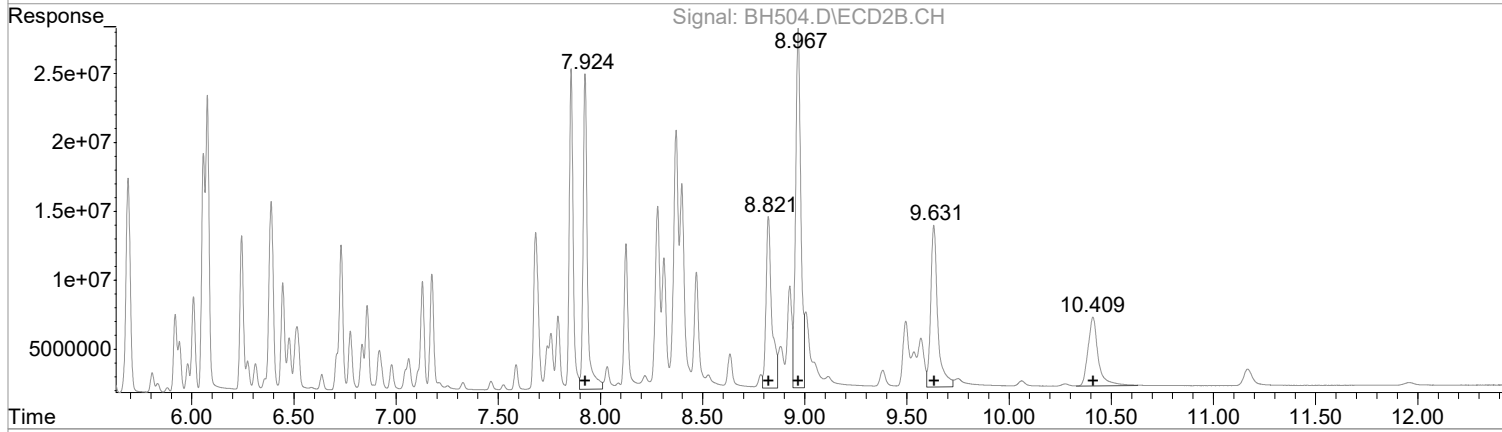
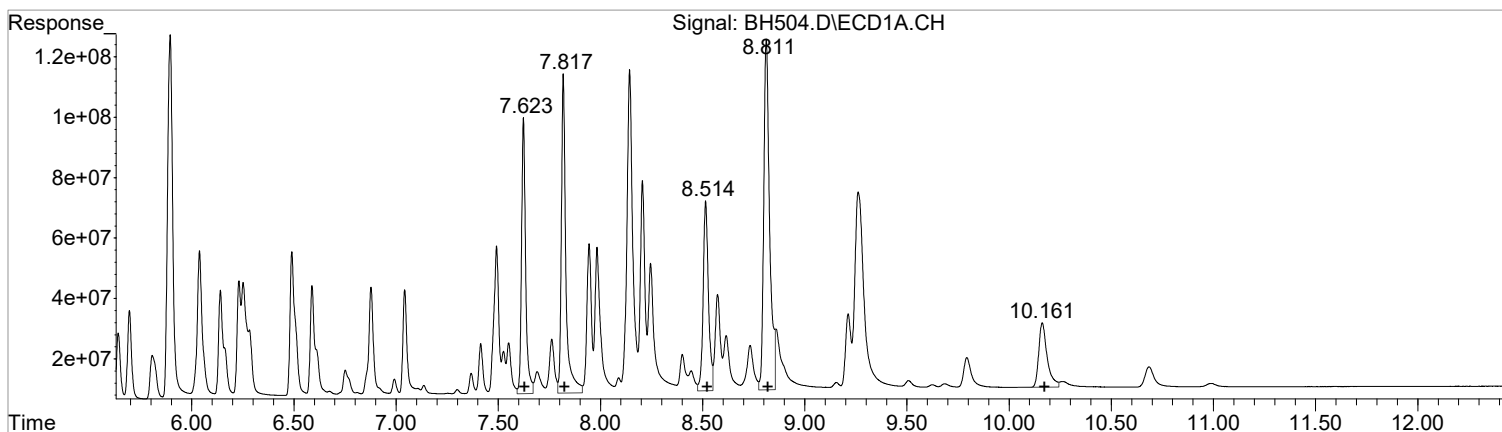
(#) = Out of Range

SPCC's out = 0 CCC's out = 52

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.62	1279815807	513.56
7.82	1619998795	511.77
8.51	1134310288	449.91
8.81	2343305410	447.66
10.16	615892321	364.15

Manual Integration:
 Before
 04/22/19

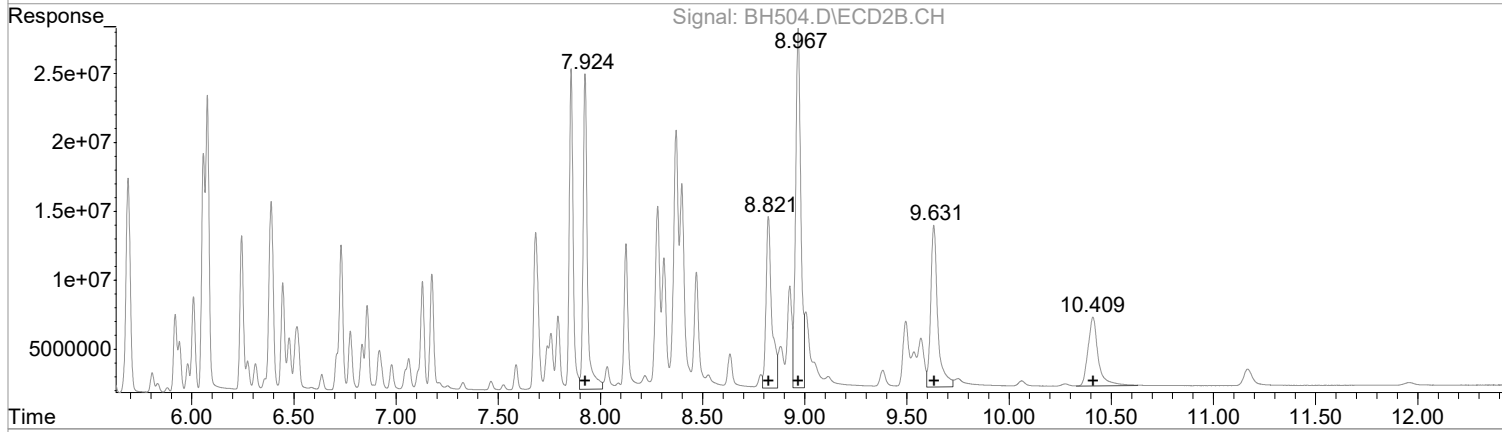
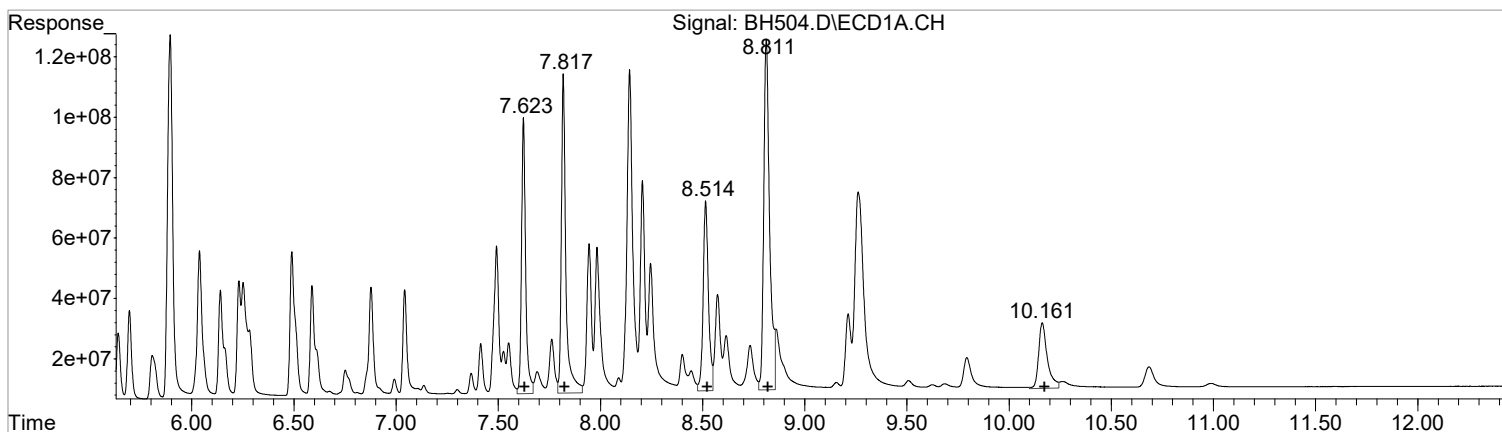
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	331633605	503.22
8.82	243773799	450.51
8.97	463938704	448.93
9.63	280853571	470.02
10.41	174819829	380.63

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH504.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 11:08 am
 Operator :
 Sample : 1660 ICV
 Misc : INITIAL CAL.
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:58:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:58:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.62	1279815807	513.56
7.82	1619998795	511.77
8.51	1134310288	449.91
8.81	2343305410	447.66
10.16	648129712	383.21

Manual Integration:
 After
 Poor integration.
 04/22/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.92	331633605	503.22
8.82	243773799	450.51
8.97	463938704	448.93
9.63	280853571	470.02
10.41	174819829	380.63

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH503.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:47 am
 Operator :
 Sample : 1262 M
 Misc : INITIAL CAL.
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:42 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.378	4.461	3715.5E6	729.8E6	62.291	57.100
Spiked Amount	100.000	Range	30 - 150	Recovery	= 62.29%	57.10%
2) S SURR2, Dec...	10.989	11.960	3145.6E6	527.3E6	55.475	53.497
Spiked Amount	100.000	Range	30 - 150	Recovery	= 55.47%	53.50%

Target Compounds

Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000

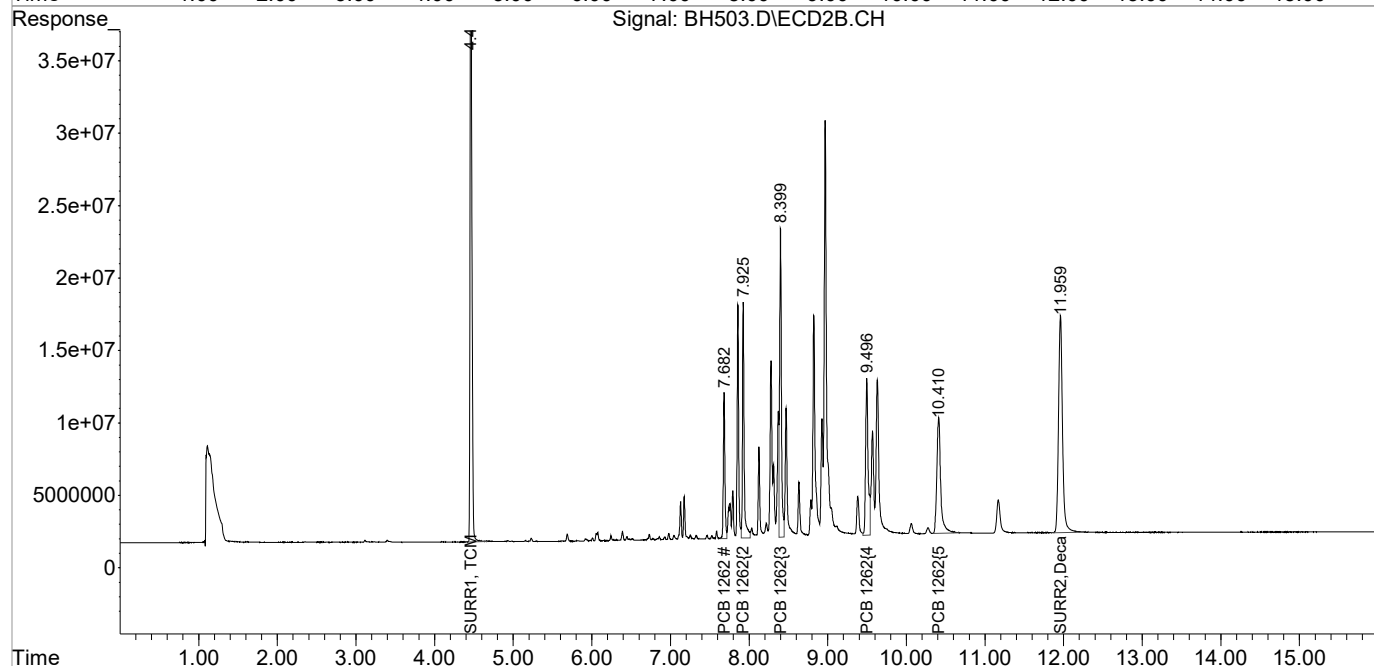
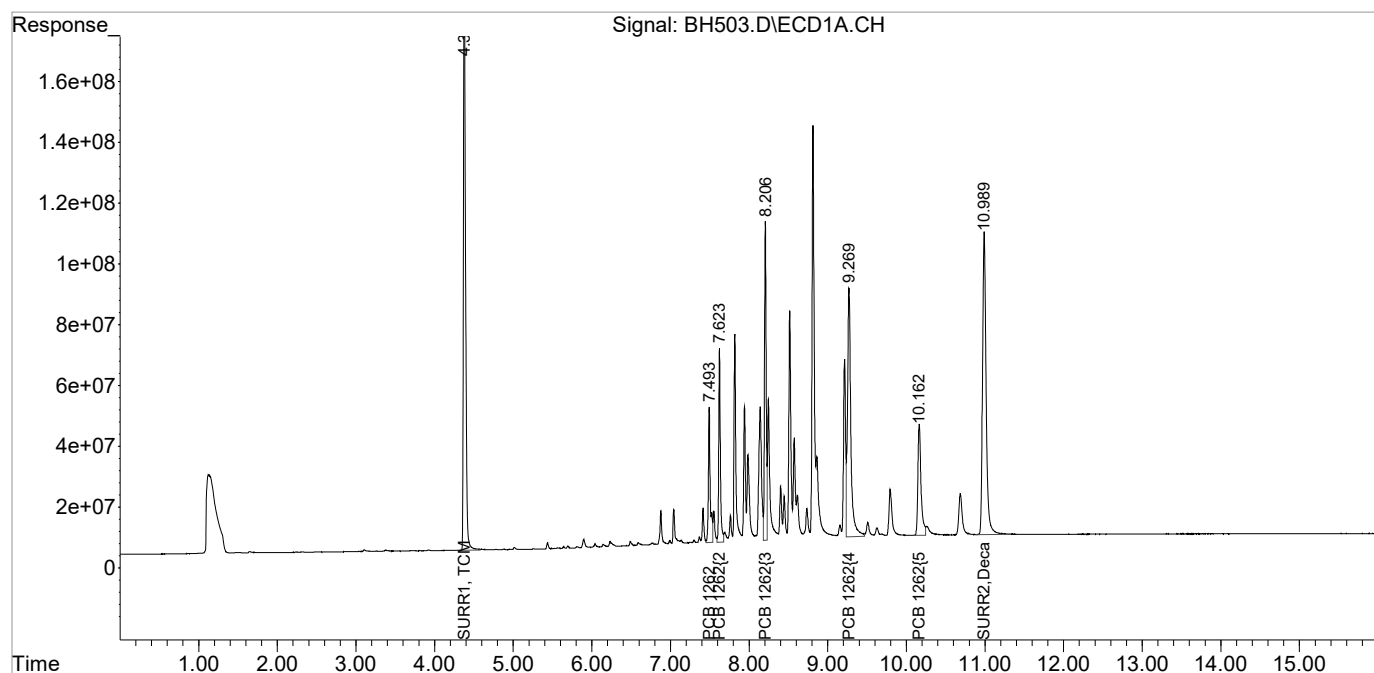
43) L9C PCB 1262	7.493	7.682	747.8E6	138.7E6	586.530	487.311
44) L9C PCB 1262{2}	7.624	7.925	923.1E6	235.8E6	505.094	496.062
45) L9C PCB 1262{3}	8.206	8.399	1559.2E6	341.9E6	503.560	489.726
46) L9C PCB 1262{4}	9.270	9.496	2427.1E6	243.5E6	484.014	491.615
47) L9C PCB 1262{5}	10.163	10.411	1019.5E6	277.2E6	461.273	480.948
Sum PCB 1262			6676.7E6	1237.1E6	2540.470	2445.663
Average PCB 1262					508.094	489.133

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH503.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:47 am
Operator :
Sample : 1262 M
Misc : INITIAL CAL.
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:42 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH502.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:27 am
 Operator :
 Sample : 1248 H
 Misc : INITIAL CAL.
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:39 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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 System Monitoring Compounds

1) S SURR1, TCMX	4.378	4.461	6167.5E6	1190.8E6	103.398	93.164
Spiked Amount	100.000	Range	30 - 150	Recovery	= 103.40%	93.16%
2) S SURR2, Dec...	10.989	11.959	5182.2E6	857.5E6	91.391	86.998
Spiked Amount	100.000	Range	30 - 150	Recovery	= 91.39%	87.00%

Target Compounds

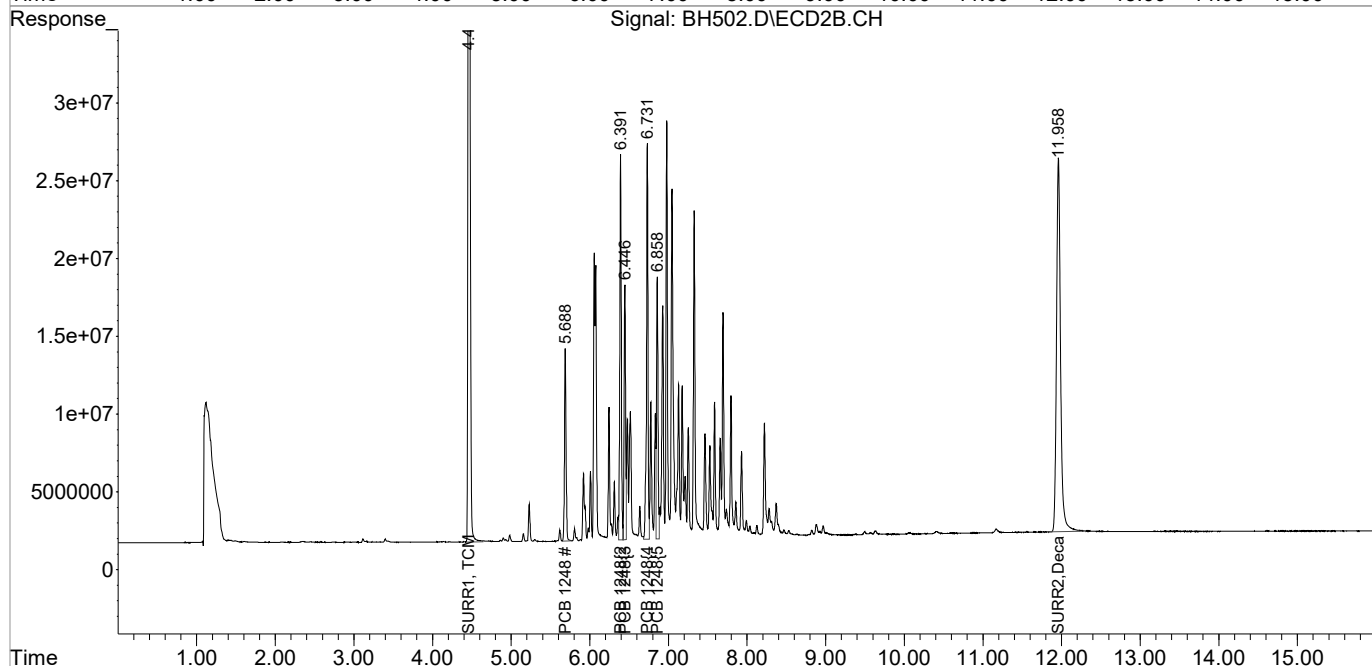
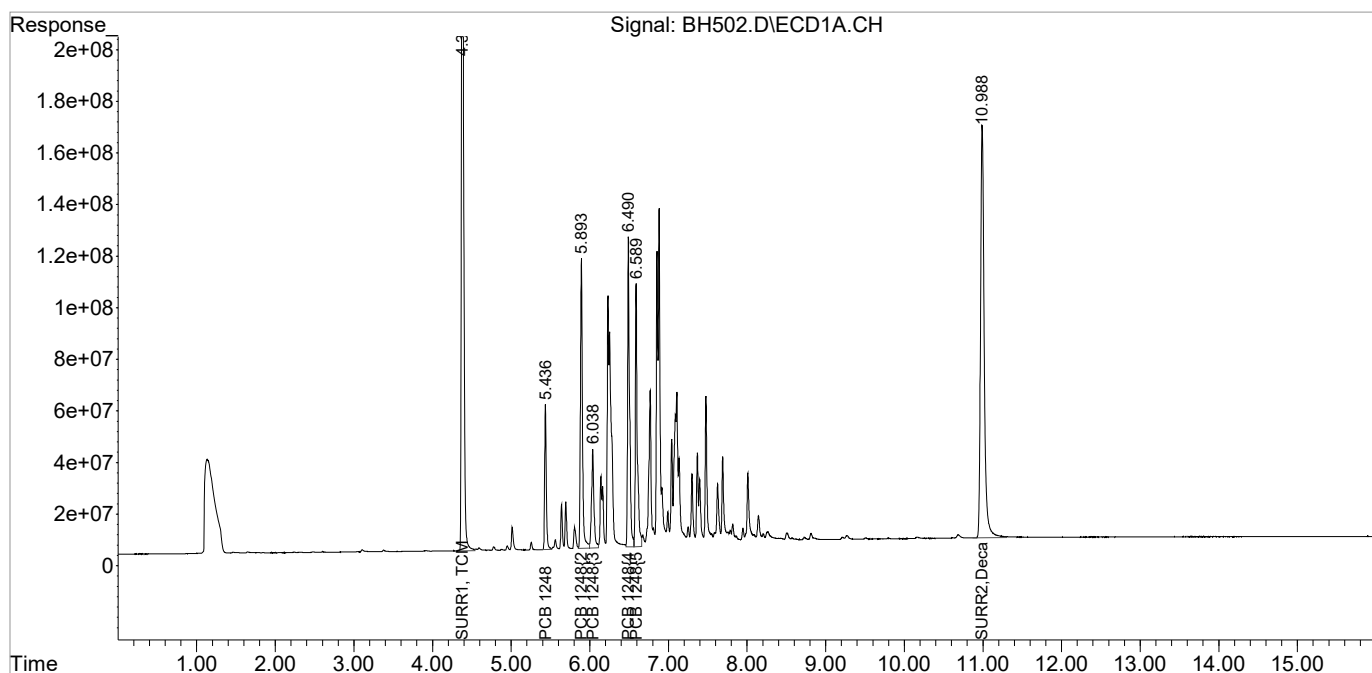
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.436	5.688	829.5E6	174.5E6	888.336	825.272
24) L5c PCB 1248{2}	5.894	6.392	2026.7E6	335.3E6	948.073	865.953
25) L5c PCB 1248{3}	6.038	6.446	814.7E6	201.1E6	948.070	839.147
26) L5c PCB 1248{4}	6.490	6.732	2075.5E6	343.1E6	984.356	833.364
27) L5c PCB 1248{5}	6.589	6.859	1722.8E6	207.4E6	1030.986	900.702
Sum PCB 1248			7469.2E6	1261.5E6	4799.821	4264.438
Average PCB 1248					959.964	852.888
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH502.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:27 am
Operator :
Sample : 1248 H
Misc : INITIAL CAL.
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:39 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH501.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 10:06 am
 Operator :
 Sample : 1248 MH
 Misc : INITIAL CAL.
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:36 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.462	4607.0E6	902.8E6	77.236	70.635
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.24%	70.64%
2) S SURR2, Dec...	10.987	11.959	4037.4E6	666.1E6	71.202	67.577
Spiked Amount	100.000	Range	30 - 150	Recovery	= 71.20%	67.58%

Target Compounds

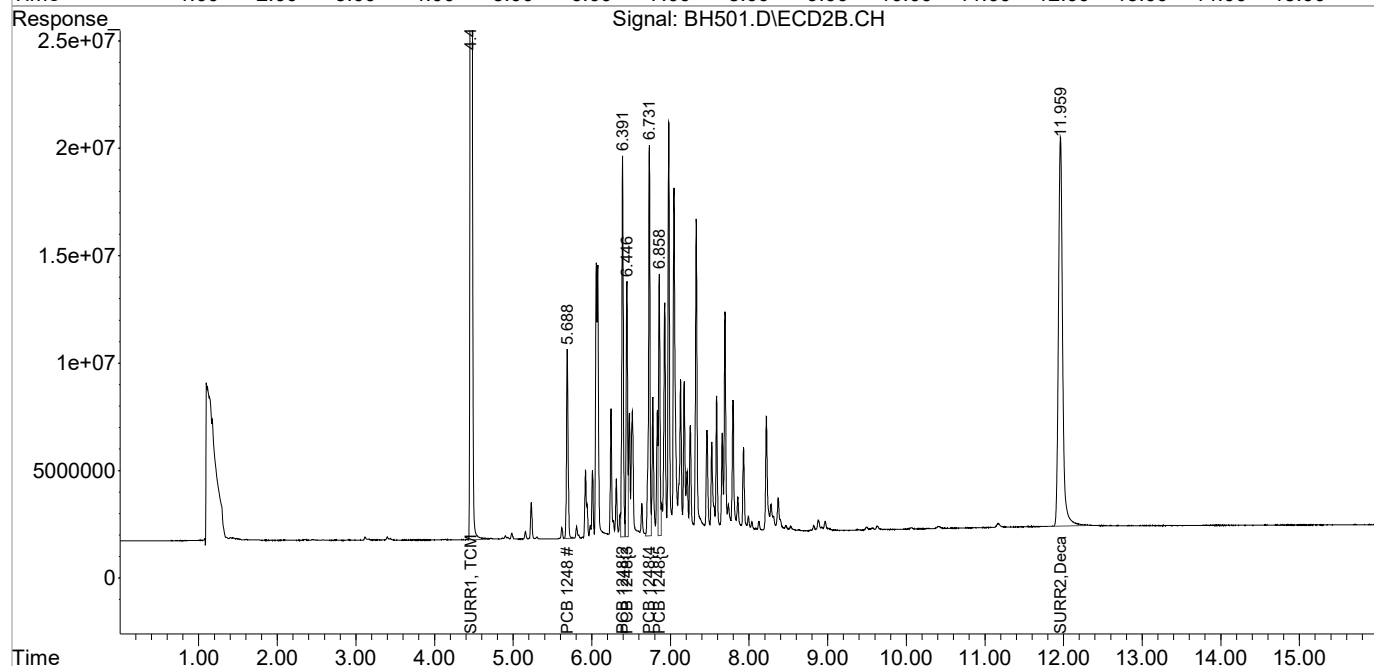
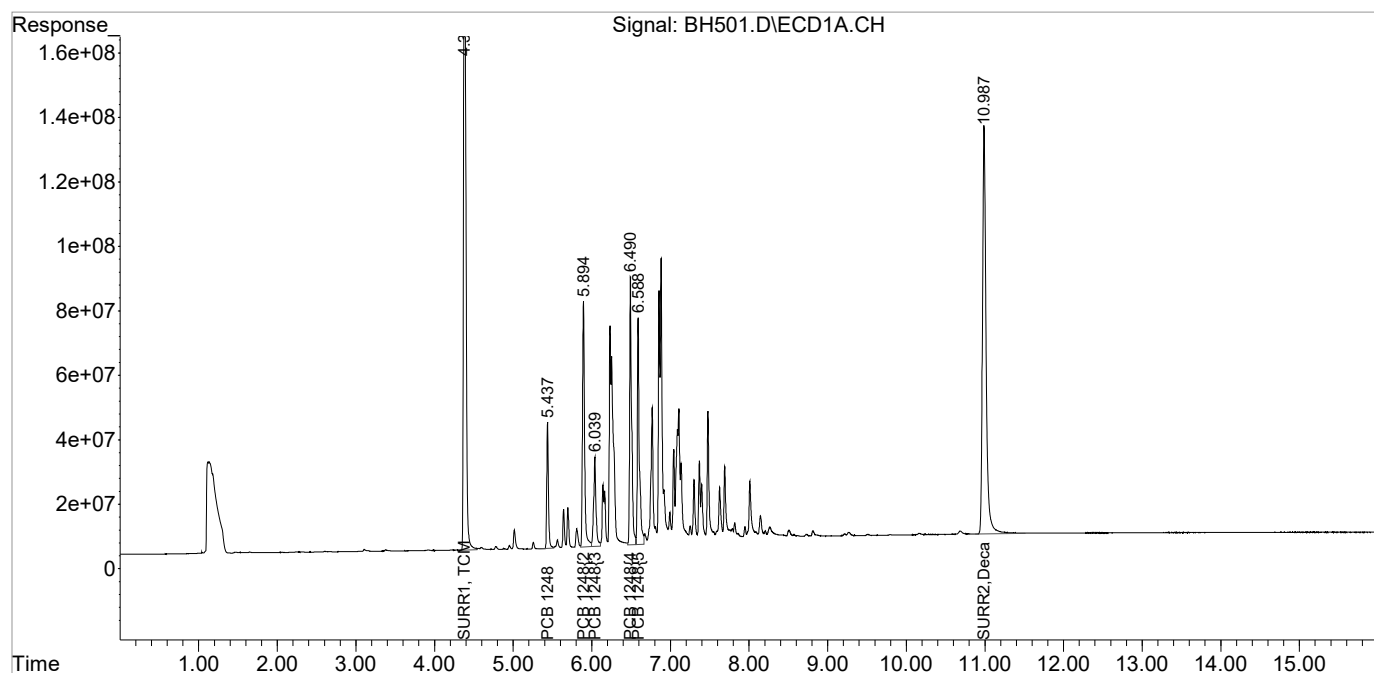
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.688	588.2E6	126.0E6	629.903	595.793
24) L5c PCB 1248{2}	5.894	6.392	1419.1E6	240.6E6	663.840	621.167
25) L5c PCB 1248{3}	6.039	6.446	579.7E6	145.2E6	674.625	606.004
26) L5c PCB 1248{4}	6.491	6.732	1459.8E6	246.2E6	692.354	598.077
27) L5c PCB 1248{5}	6.589	6.858	1215.4E6	149.1E6	727.355	647.310
Sum PCB 1248			5262.2E6	907.0E6	3388.076	3068.351
Average PCB 1248					677.615	613.670
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH501.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 10:06 am
Operator :
Sample : 1248 MH
Misc : INITIAL CAL.
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:36 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH500.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:46 am
 Operator :
 Sample : 1248 M
 Misc : INITIAL CAL.
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:33 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

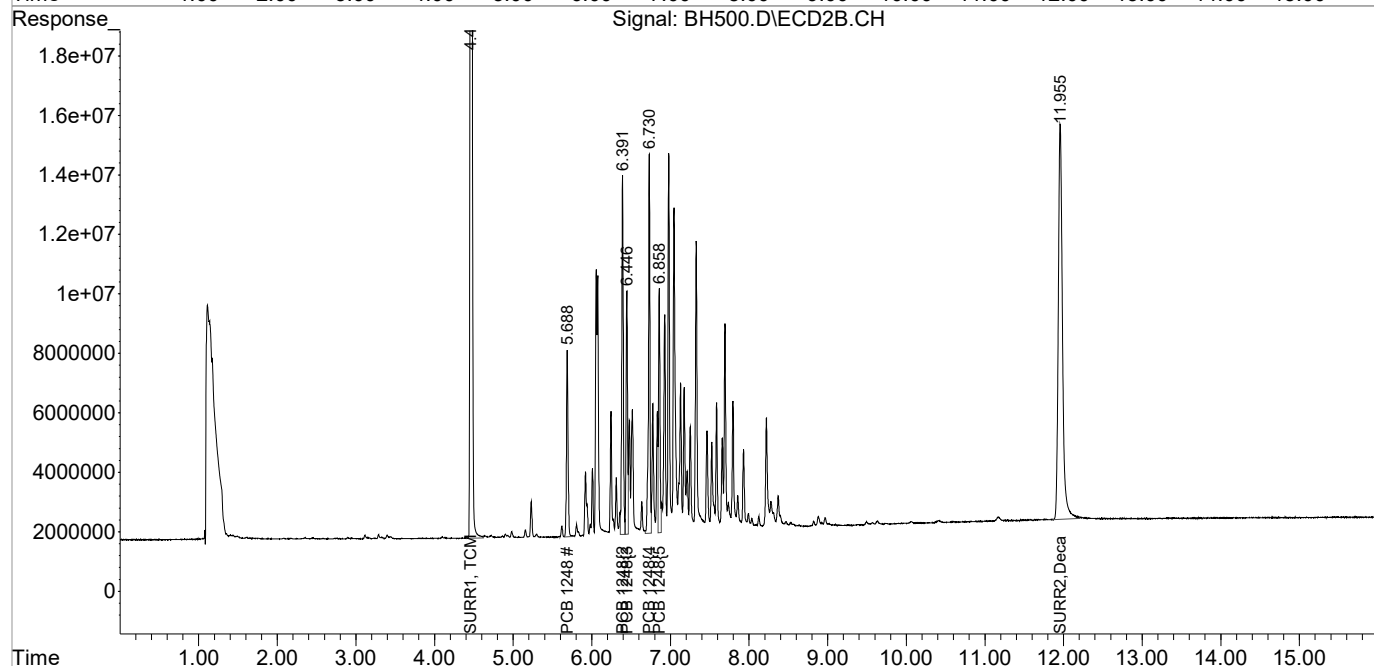
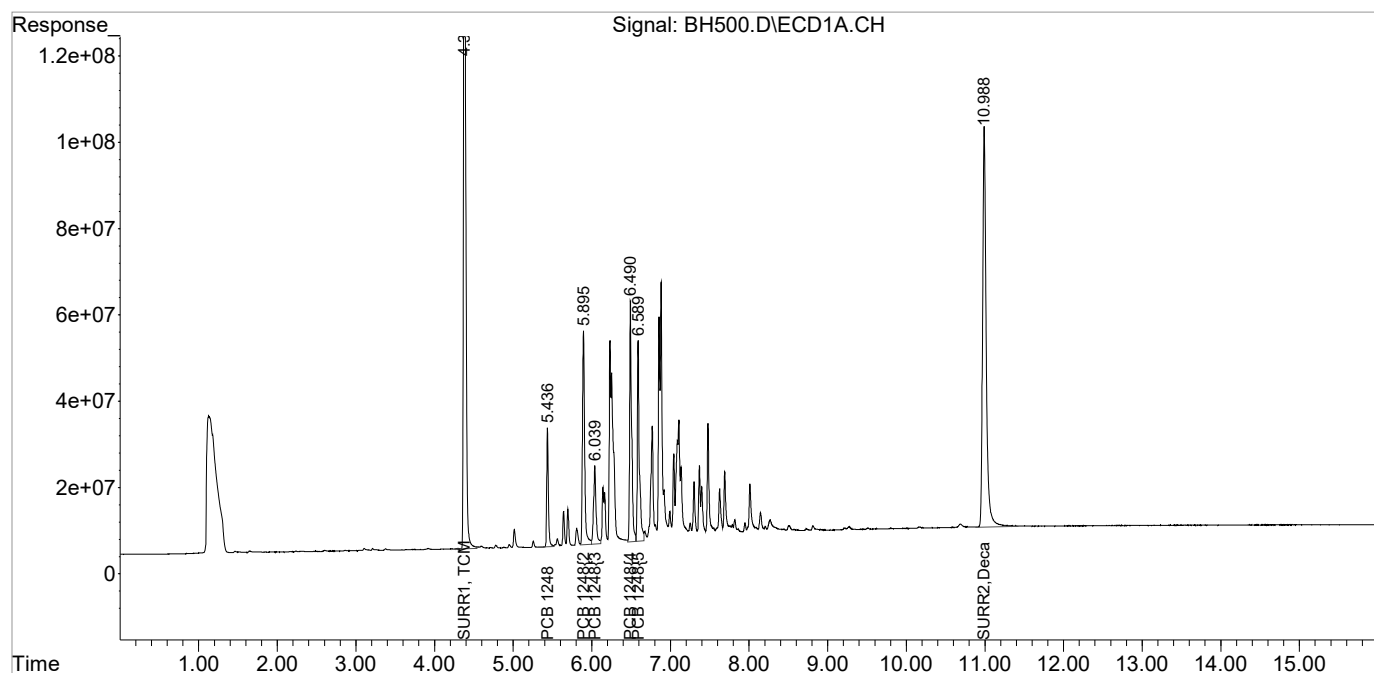
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	3534.5E6	700.1E6	59.255	54.774
Spiked Amount	100.000	Range	30 - 150	Recovery	= 59.26%	54.77%
2) S SURR2, Dec...	10.989	11.956	2943.1E6	491.1E6	51.904	49.821
Spiked Amount	100.000	Range	30 - 150	Recovery	= 51.90%	49.82%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.688	405.2E6	88887984	434.004	420.379
24) L5c PCB 1248{2}	5.895	6.391	964.6E6	167.0E6	451.213	431.202
25) L5c PCB 1248{3}	6.039	6.446	398.3E6	100.6E6	463.474	419.707
26) L5c PCB 1248{4}	6.491	6.731	983.3E6	169.5E6	466.366	411.812
27) L5c PCB 1248{5}	6.589	6.858	811.2E6	101.4E6	485.419	440.144
Sum PCB 1248			3562.6E6	627.4E6	2300.476	2123.244
Average PCB 1248					460.095	424.649
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH500.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:46 am
Operator :
Sample : 1248 M
Misc : INITIAL CAL.
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:33 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH499.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:26 am
 Operator :
 Sample : 1248 ML
 Misc : INITIAL CAL.
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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 System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.462	2197.9E6	444.4E6	36.848	34.767
Spiked Amount	100.000	Range	30 - 150	Recovery	= 36.85%	34.77%
2) S SURR2, Dec...	10.989	11.955	1957.3E6	332.0E6	34.518	33.685
Spiked Amount	100.000	Range	30 - 150	Recovery	= 34.52%	33.69%

Target Compounds

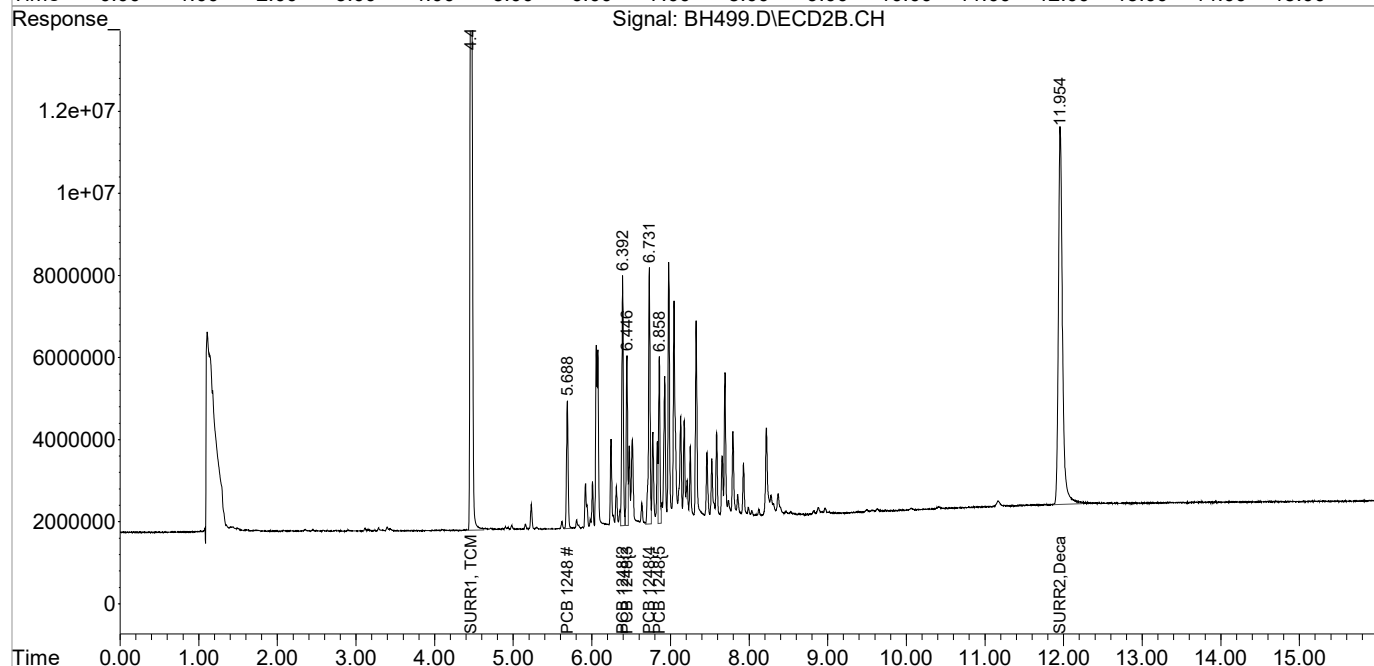
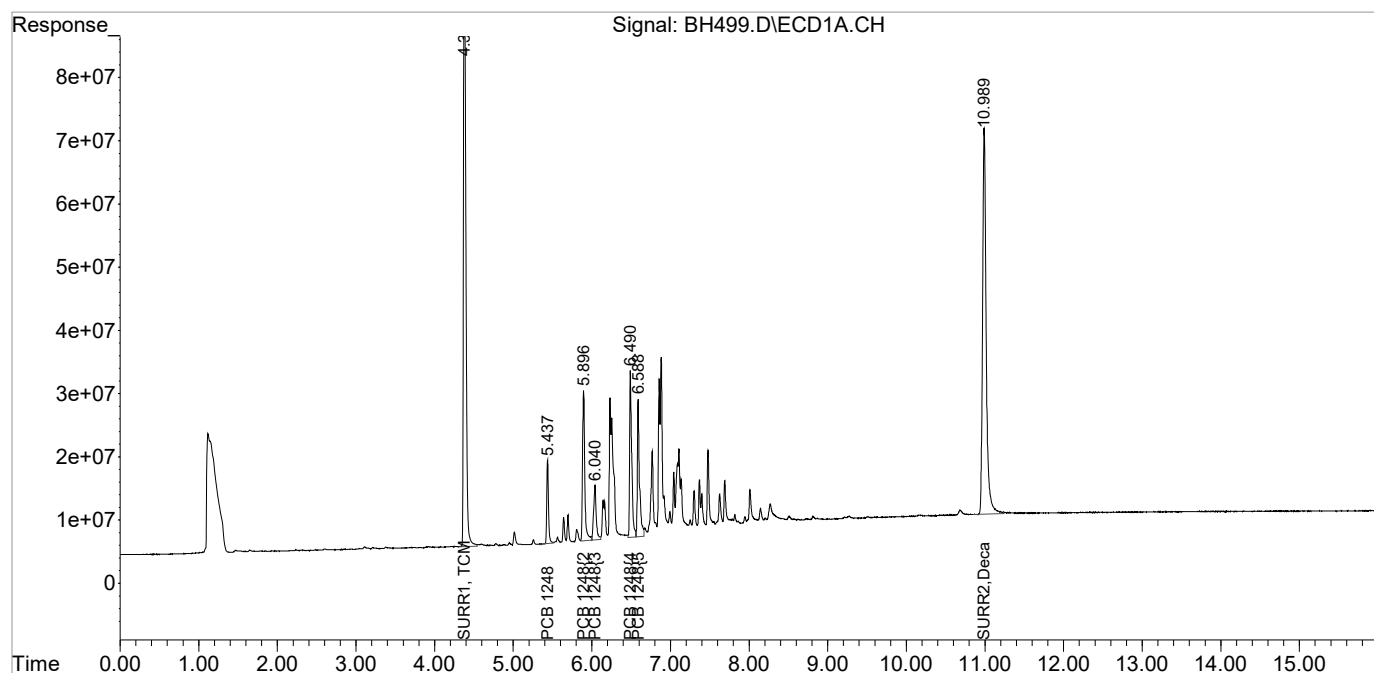
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.437	5.689	200.8E6	44499069	215.092	210.450
24) L5c PCB 1248{2}	5.896	6.392	471.2E6	84014784	220.443	216.949
25) L5c PCB 1248{3}	6.041	6.447	198.9E6	50445940	231.470	210.488
26) L5c PCB 1248{4}	6.491	6.732	483.8E6	84888671	229.461	206.203
27) L5c PCB 1248{5}	6.589	6.859	399.6E6	50373216	239.146	218.741
Sum PCB 1248			1754.4E6	314.2E6	1135.612	1062.831
Average PCB 1248					227.122	212.566
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH499.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:26 am
Operator :
Sample : 1248 ML
Misc : INITIAL CAL.
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH498.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:05 am
 Operator :
 Sample : 1248 L
 Misc : INITIAL CAL.
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

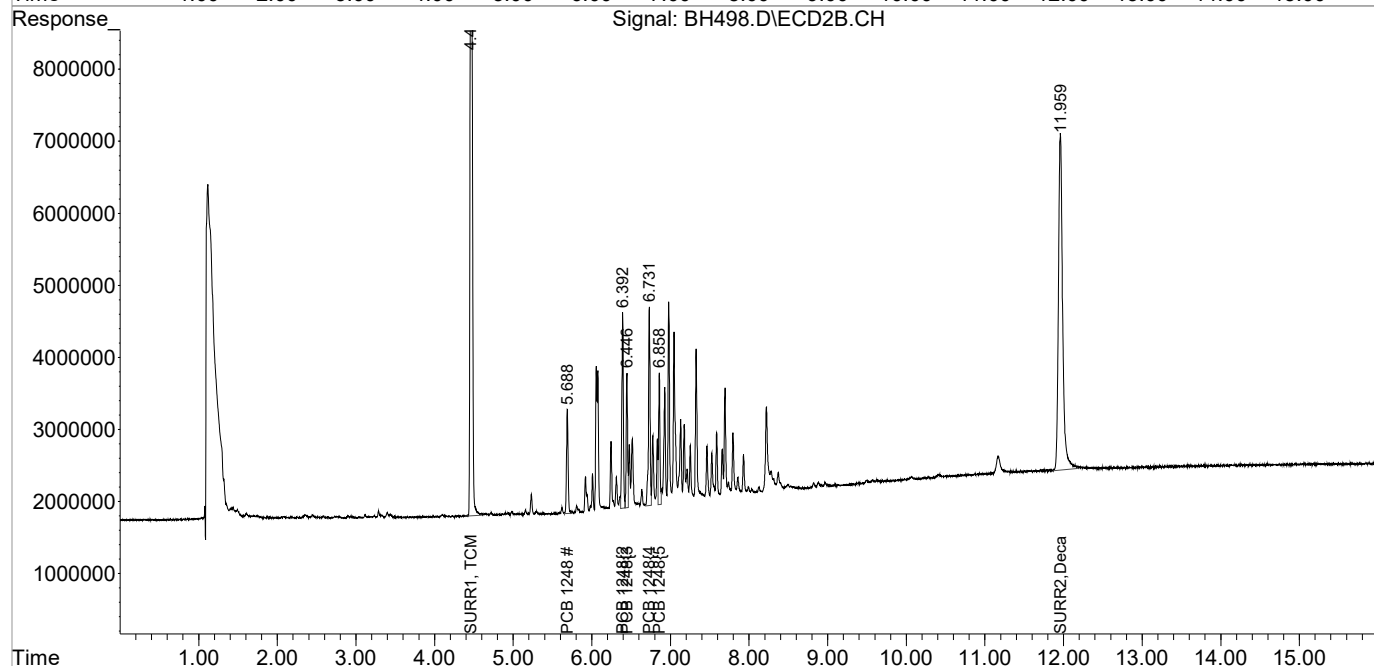
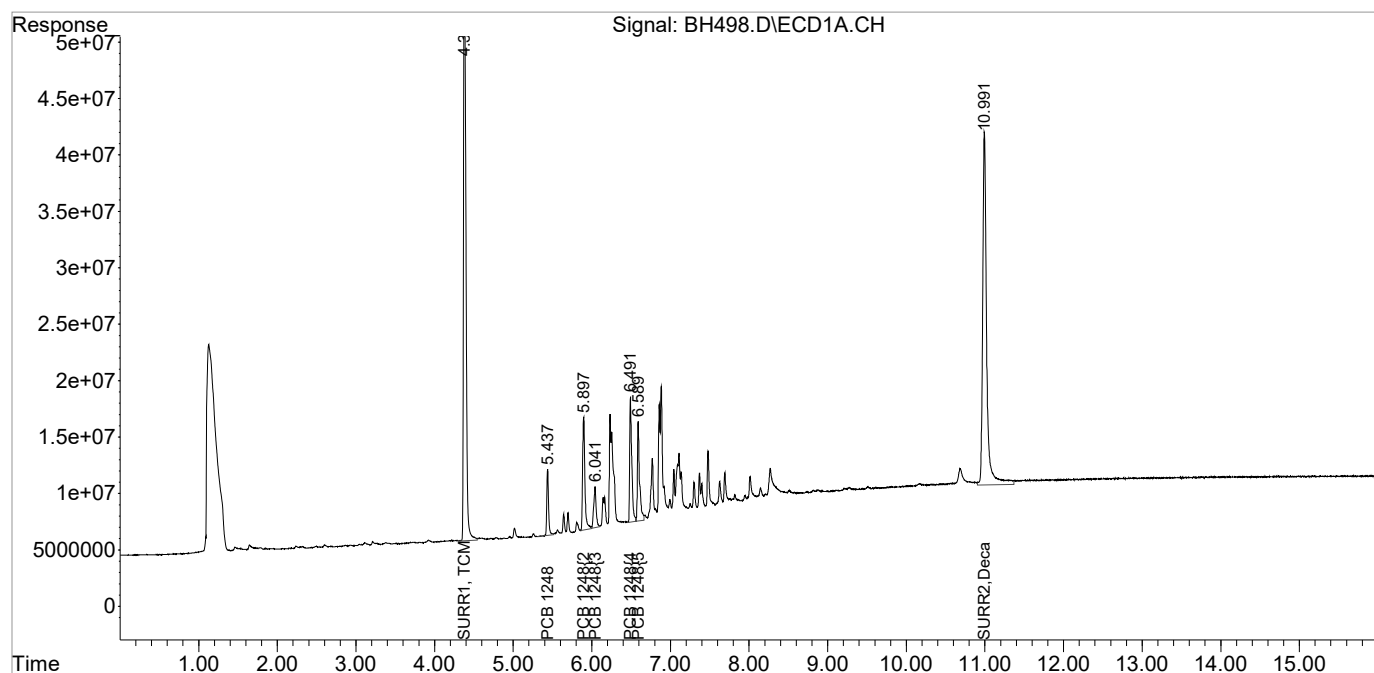
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.462	1144.4E6	236.4E6	19.186	18.492
Spiked Amount	100.000	Range	30 - 150	Recovery	=	19.19%# 18.49%#
2) S SURR2, Dec...	10.992	11.959	1096.7E6	173.5E6	19.341	17.606
Spiked Amount	100.000	Range	30 - 150	Recovery	=	19.34%# 17.61%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.438	5.688	91020975	20567265	97.480	97.269
24) L5c PCB 1248{2}	5.897	6.393	201.8E6	37958543	94.386m	98.019
25) L5c PCB 1248{3}	6.041	6.446	77126021	22858960	89.752	95.380
26) L5c PCB 1248{4}	6.491	6.731	202.2E6	37781377	95.912m	91.775
27) L5c PCB 1248{5}	6.590	6.859	164.0E6	21901497	98.125	95.105
Sum PCB 1248			736.1E6	141.1E6	475.654	477.548
Average PCB 1248					95.131	95.510
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH498.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:05 am
Operator :
Sample : 1248 L
Misc : INITIAL CAL.
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:26 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

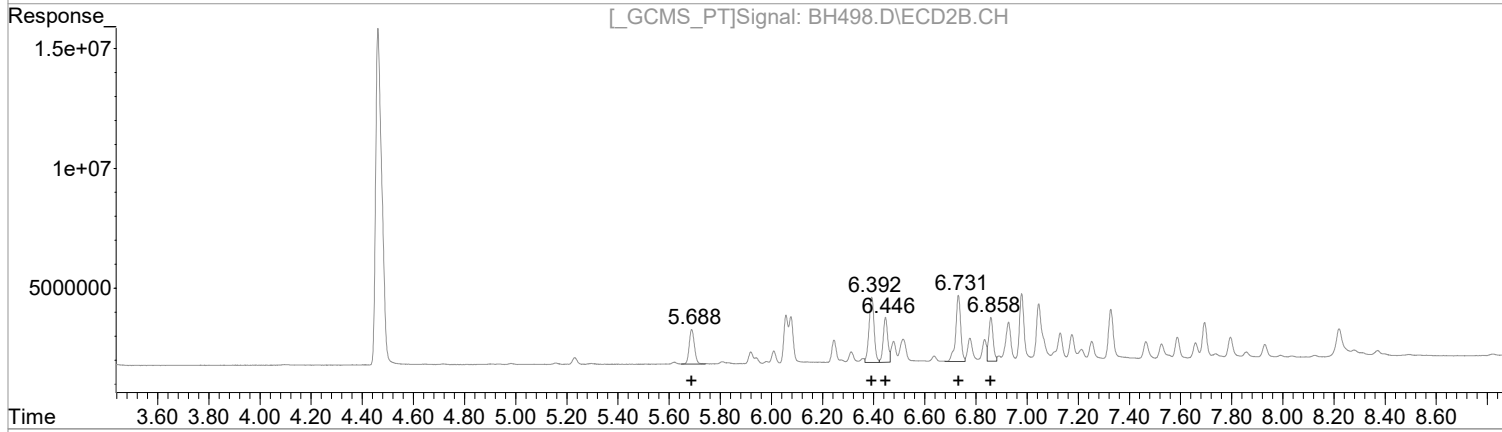
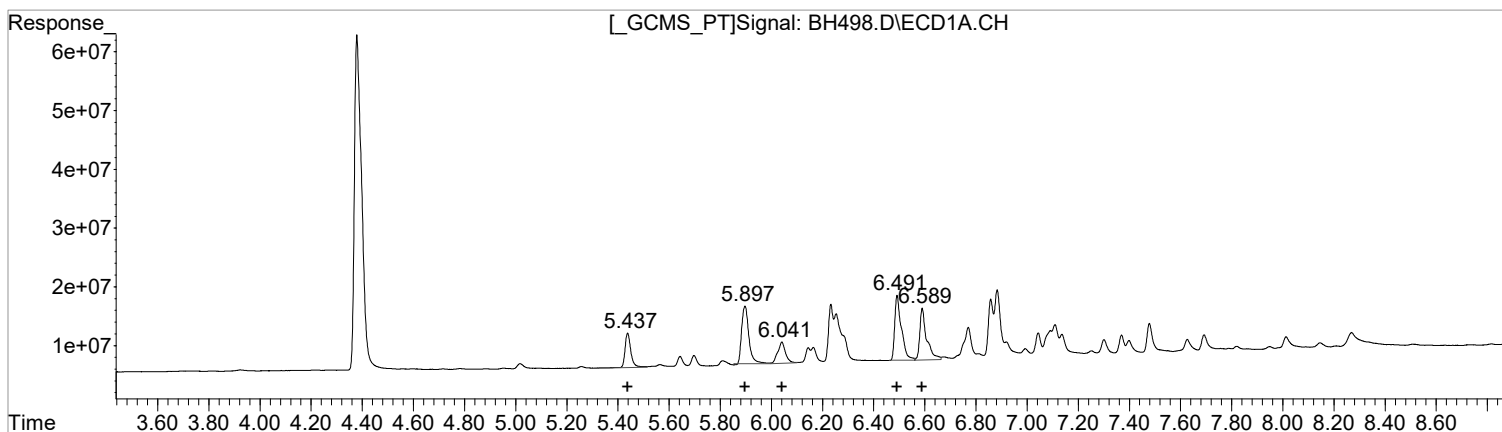
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH498.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 9:05 am
Operator :
Sample : 1248 L
Misc : INITIAL CAL.
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:26 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	91020975	97.48
5.90	201789184	94.40
6.04	77126021	89.75
6.49	201689827	95.66
6.59	163970580	98.13

Manual Integration:
Before
04/22/19

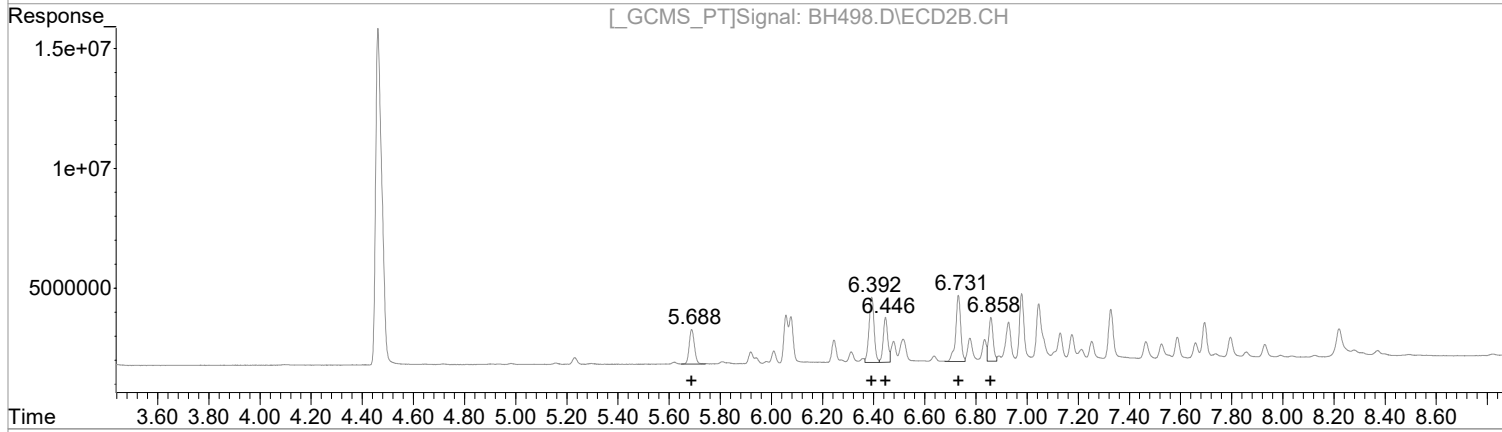
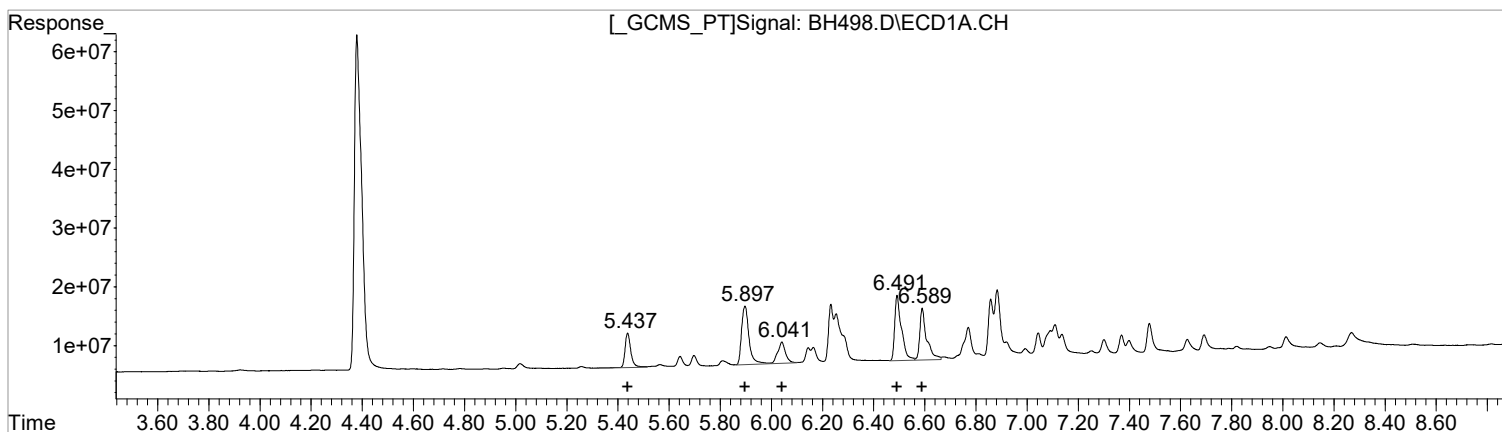
(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	20567265	97.27
6.39	37958543	98.02
6.45	22858960	95.38
6.73	37781377	91.77
6.86	21901497	95.11

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH498.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 9:05 am
 Operator :
 Sample : 1248 L
 Misc : INITIAL CAL.
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	91020975	97.48
5.90	201768085	94.39
6.04	77126021	89.75
6.49	202230149	95.91
6.59	163970580	98.13

Manual Integration:
 After
 Poor integration.
 04/22/19

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	20567265	97.27
6.39	37958543	98.02
6.45	22858960	95.38
6.73	37781377	91.77
6.86	21901497	95.11

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH497.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:45 am
 Operator :
 Sample : 1248 LL
 Misc : INITIAL CAL.
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

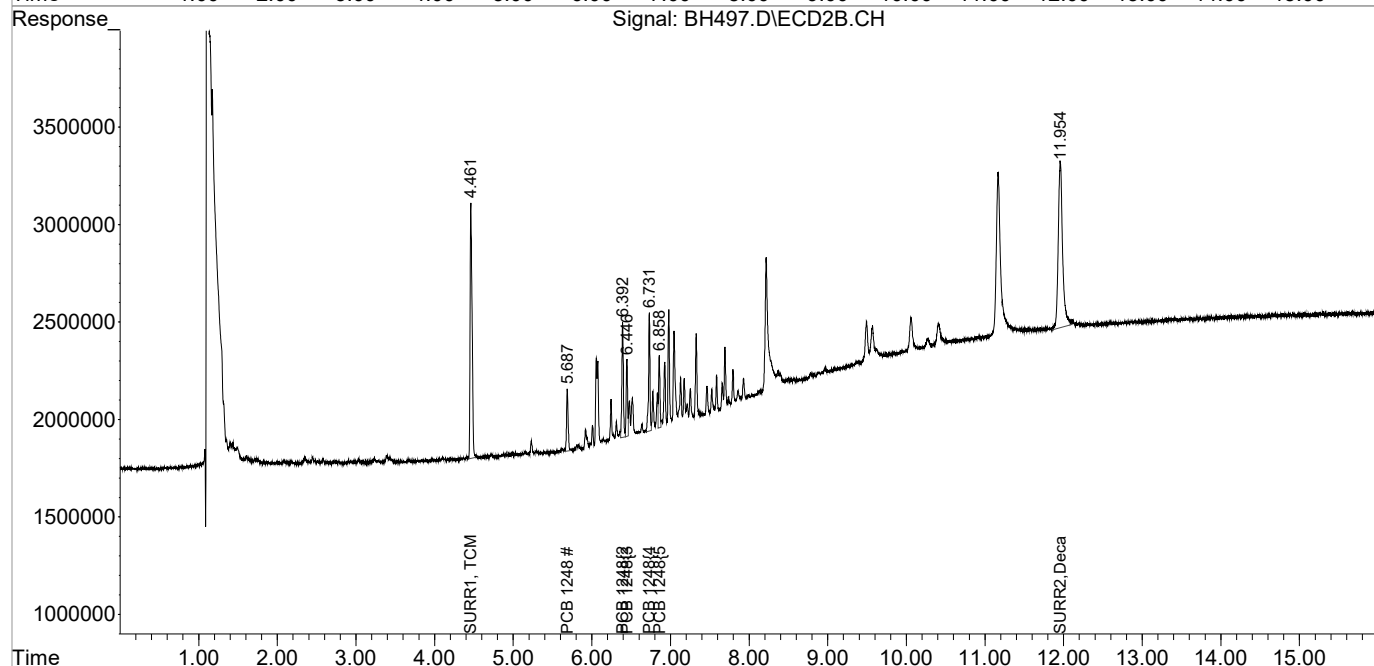
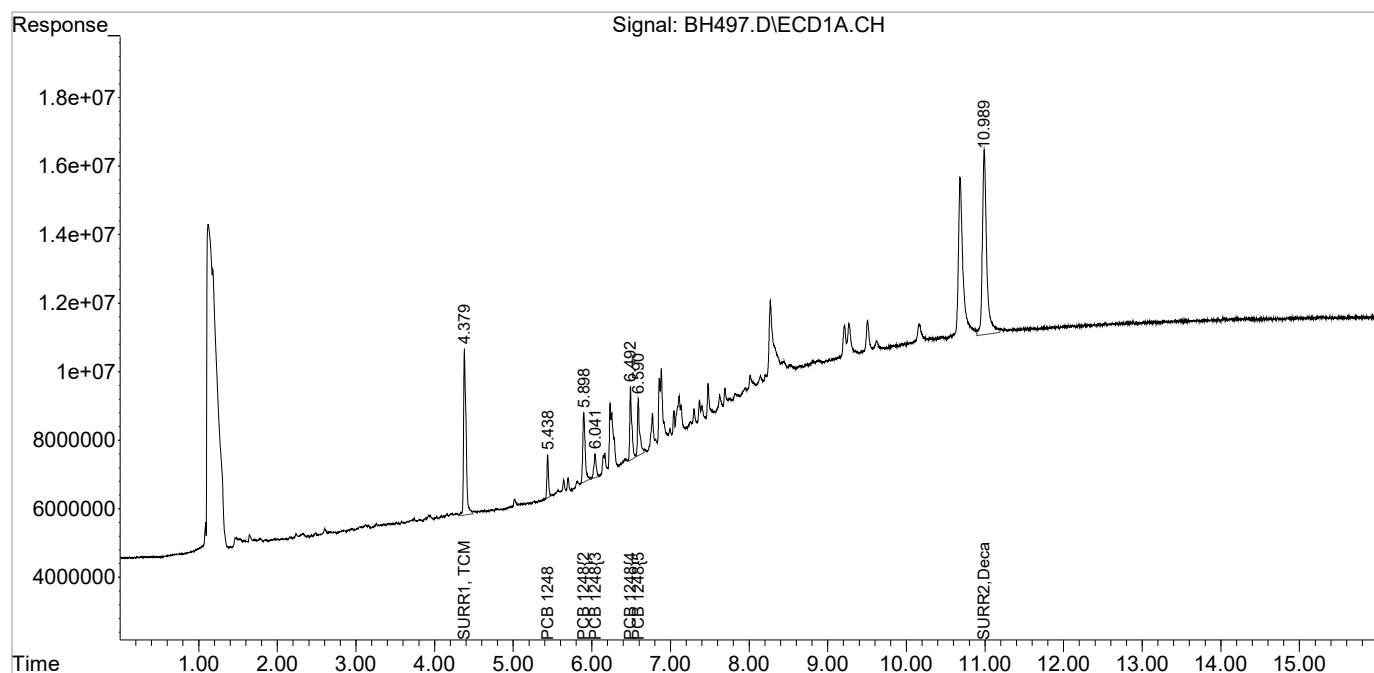
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	106.2E6	22936607	1.780	1.795
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.78%#	1.80%#
2) S SURR2, Dec...	10.989	11.956	205.2E6	32932480	3.618	3.341
Spiked Amount	100.000	Range	30 - 150	Recovery =	3.62%#	3.34%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
23) L5c PCB 1248	5.438	5.688	18147097	4568480	19.435m	21.606
24) L5c PCB 1248{2}	5.898	6.392	43188038	8104260	20.203m	20.927
25) L5c PCB 1248{3}	6.041	6.446	14013056	4669957	16.307m	19.486
26) L5c PCB 1248{4}	6.492	6.731	38611016	7791059	18.312m	18.925
27) L5c PCB 1248{5}	6.590	6.858	31553011	4381398	18.882m	19.026
Sum PCB 1248			145.5E6	29515154	93.139	99.970
Average PCB 1248					18.628	19.994
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH497.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:45 am
Operator :
Sample : 1248 LL
Misc : INITIAL CAL.
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:23 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

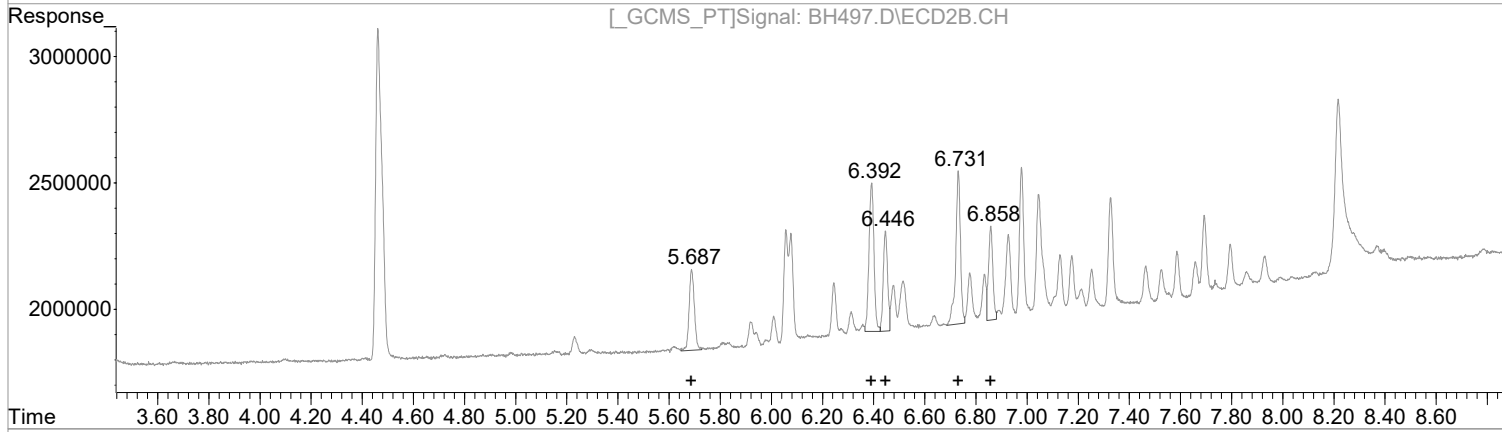
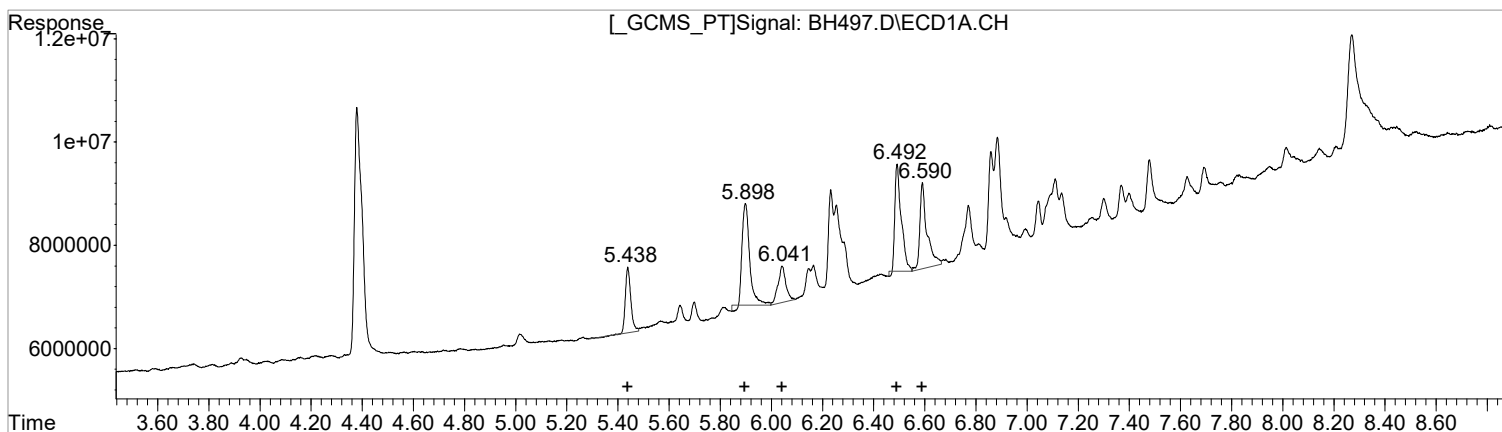
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH497.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:45 am
 Operator :
 Sample : 1248 LL
 Misc : INITIAL CAL.
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	18853521	20.19
5.90	48087345	22.49
6.04	15044731	17.51
6.49	38532751	18.27
6.59	32381004	19.38

Manual Integration:
 Before
 04/22/19

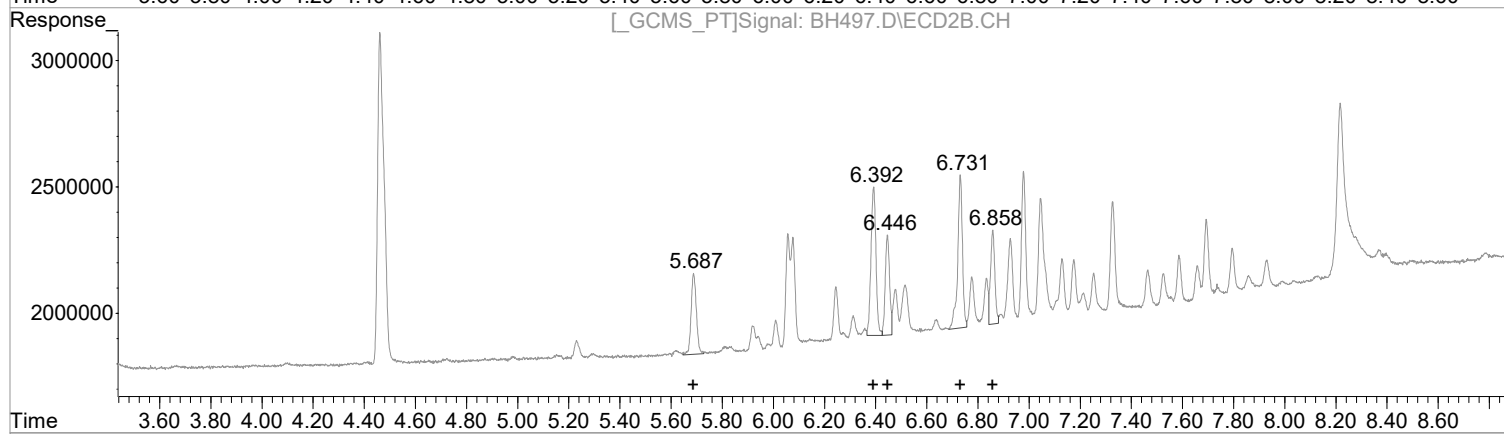
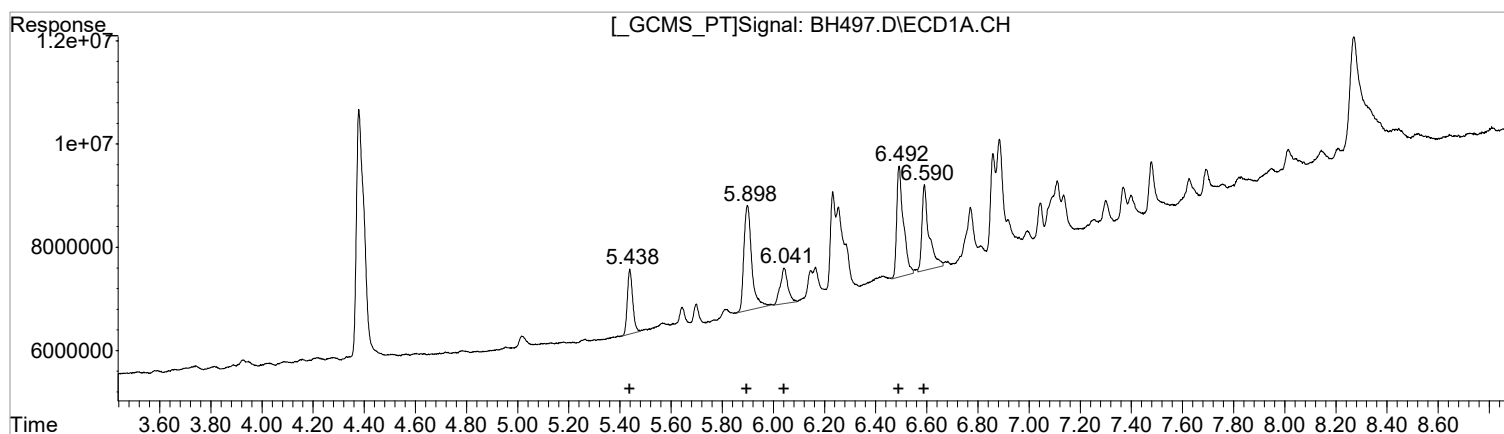
(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	4568480	21.61
6.39	8104260	20.93
6.45	4669957	19.49
6.73	7791059	18.93
6.86	4381398	19.03

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH497.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:45 am
 Operator :
 Sample : 1248 LL
 Misc : INITIAL CAL.
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(23) PCB 1248 (L5c)

R.T.	Response	Conc
5.44	18147097	19.43
5.90	43188038	20.20
6.04	14013056	16.31
6.49	38611016	18.31
6.59	31553011	18.88

Manual Integration:
 After
 Poor integration.
 04/22/19

(23) PCB 1248 #2 (L5c)

R.T.	Response	Conc
5.69	4568480	21.61
6.39	8104260	20.93
6.45	4669957	19.49
6.73	7791059	18.93
6.86	4381398	19.03

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH496.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:24 am
 Operator :
 Sample : 1242/68 H
 Misc : INITIAL CAL.
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

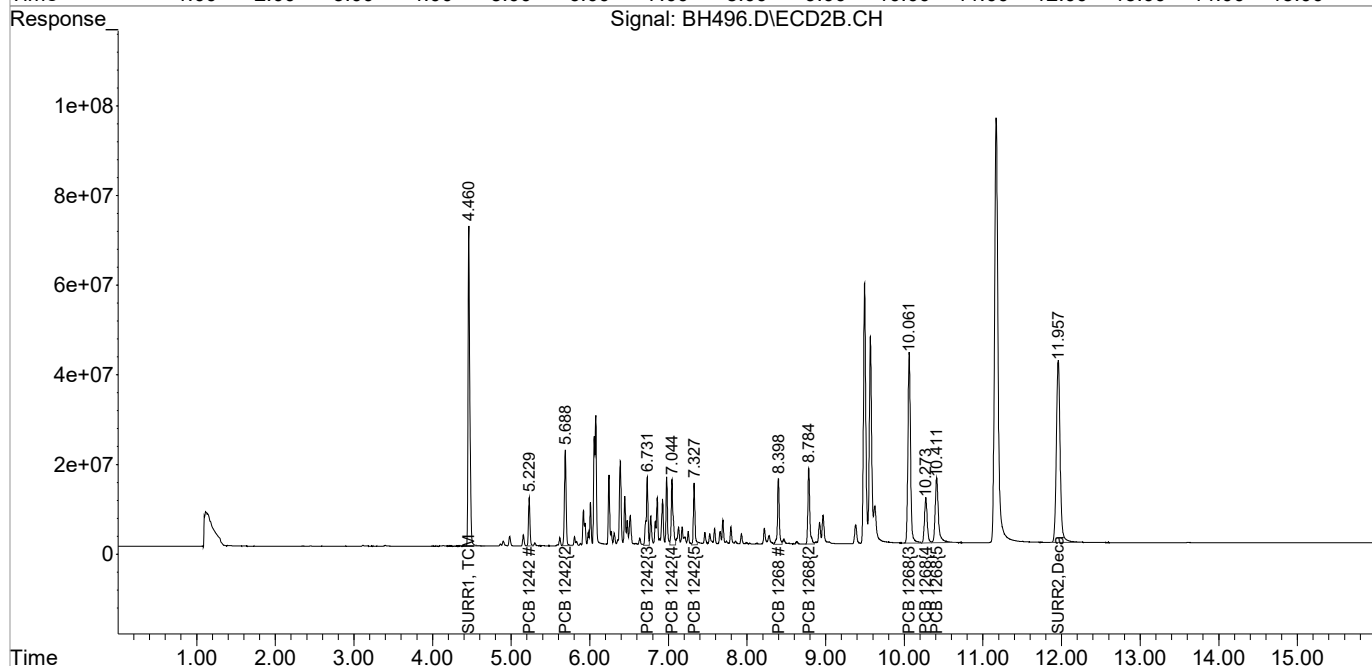
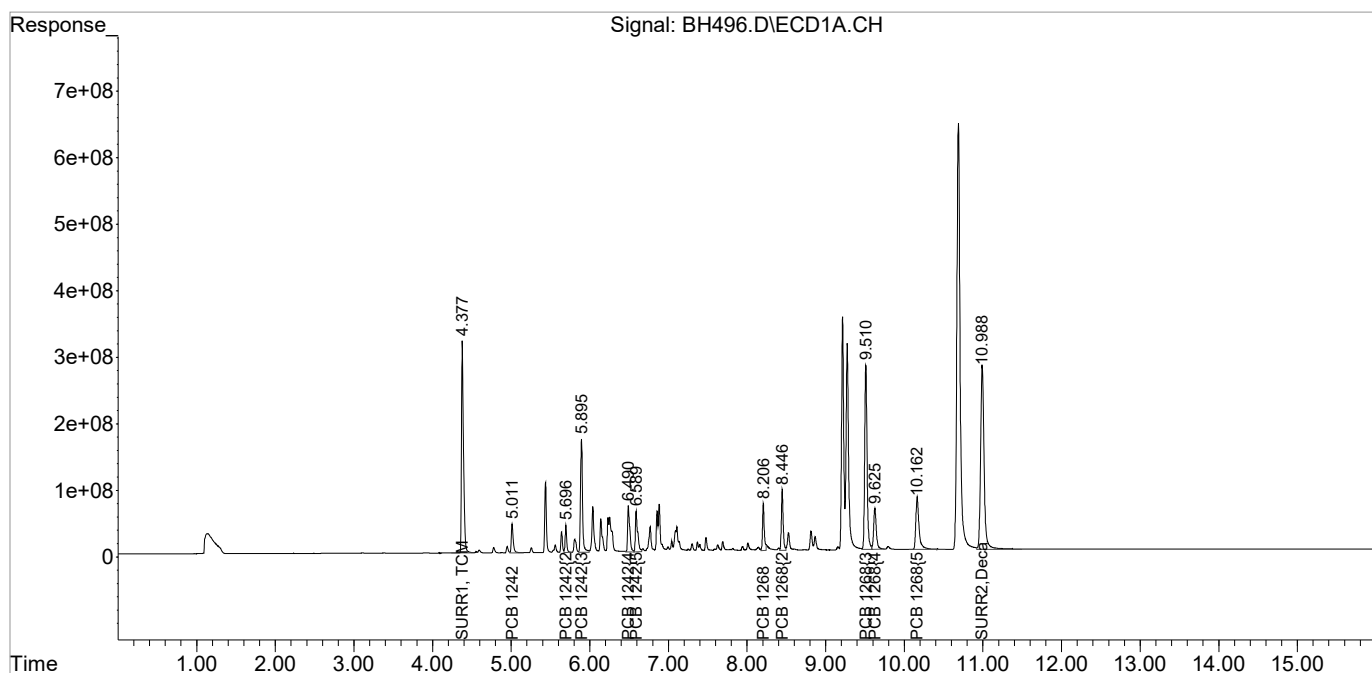
System Monitoring Compounds						
1) S SURR1, TCMX	4.378	4.461	5664.4E6	1110.2E6	94.963	86.860
Spiked Amount	100.000	Range	30 - 150	Recovery	= 94.96%	86.86%
2) S SURR2, Dec...	10.989	11.957	8624.4E6	1374.5E6	152.096	139.440
Spiked Amount	100.000	Range	30 - 150	Recovery	= 152.10%#	139.44%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.012	5.229	735.5E6	142.8E6	901.344	839.423
19) L4c PCB 1242{2}	5.696	5.688	582.6E6	323.8E6	850.451	850.163
20) L4c PCB 1242{3}	5.895	6.731	3034.4E6	240.5E6	953.958	875.131
21) L4c PCB 1242{4}	6.491	7.045	1290.5E6	243.6E6	962.538	932.788
22) L4c PCB 1242{5}	6.590	7.327	1212.2E6	189.7E6	959.534	983.158m
Sum PCB 1242			6855.2E6	1140.3E6	4627.826	4480.662
Average PCB 1242					925.565	896.132
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.206	8.398	1094.8E6	236.0E6	1005.826m	895.331
39) L8C PCB 1268{2}	8.447	8.784	1464.7E6	290.1E6	893.074	788.083
40) L8C PCB 1268{3}	9.510	10.061	5806.9E6	969.7E6	985.668	921.959
41) L8C PCB 1268{4}	9.625	10.273	1453.8E6	244.7E6	798.923	820.049
42) L8C PCB 1268{5}	10.163	10.411	2274.1E6	417.2E6	985.336	850.657
Sum PCB 1268			12094.3E6	2157.8E6	4668.826	4276.078
Average PCB 1268					933.765	855.216
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

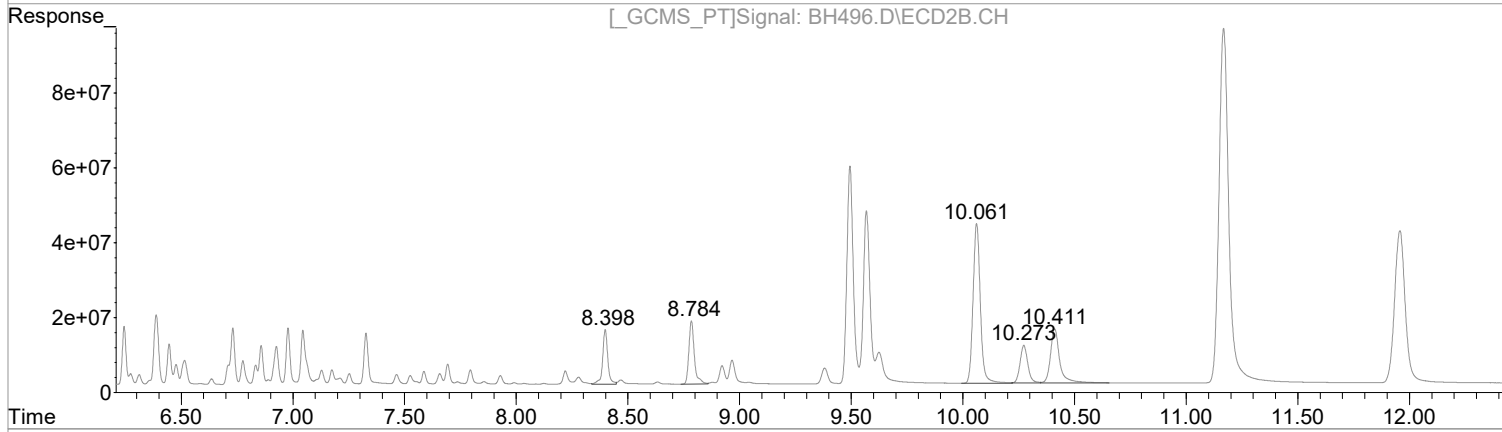
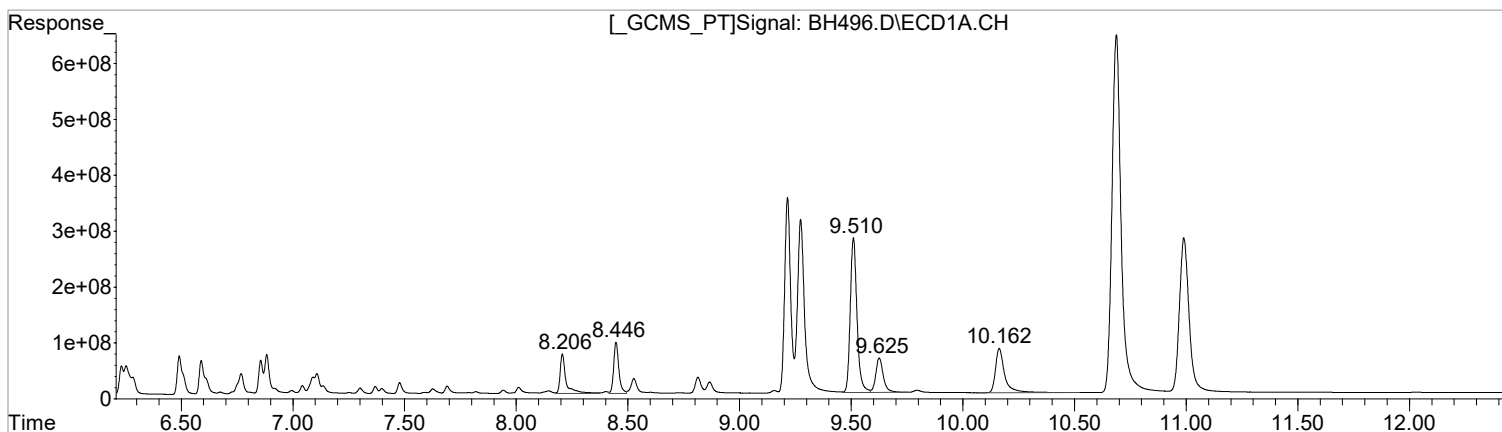
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH496.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:24 am
 Operator :
 Sample : 1242/68 H
 Misc : INITIAL CAL.
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1345561953	1236.25
8.45	1464736655	893.07
9.51	5806897468	985.67
9.63	1453816454	798.92
10.16	2274121803	985.34

Manual Integration:
 Before
 04/22/19

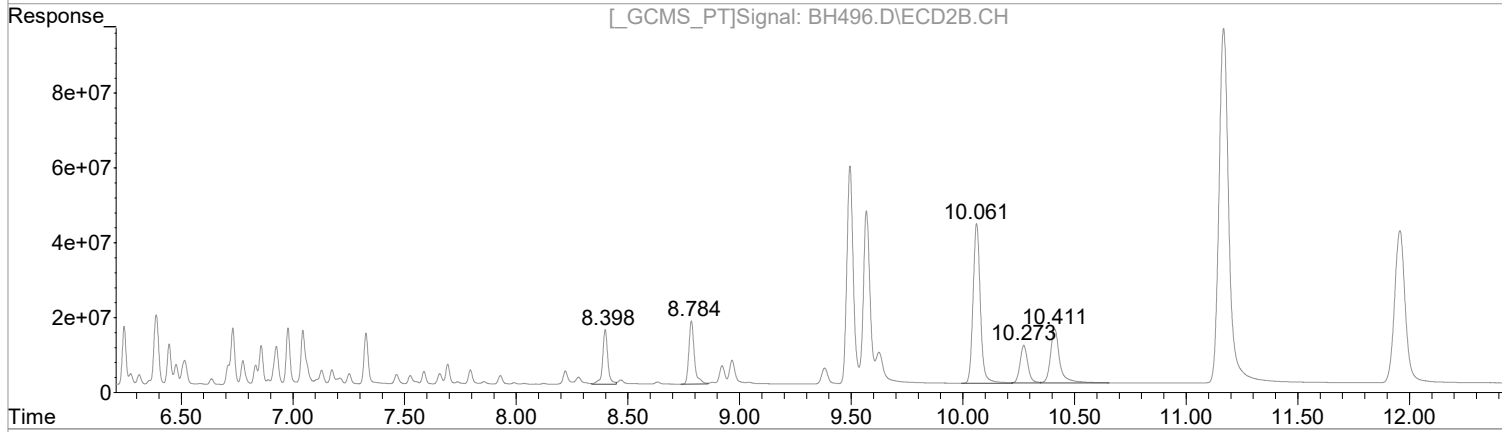
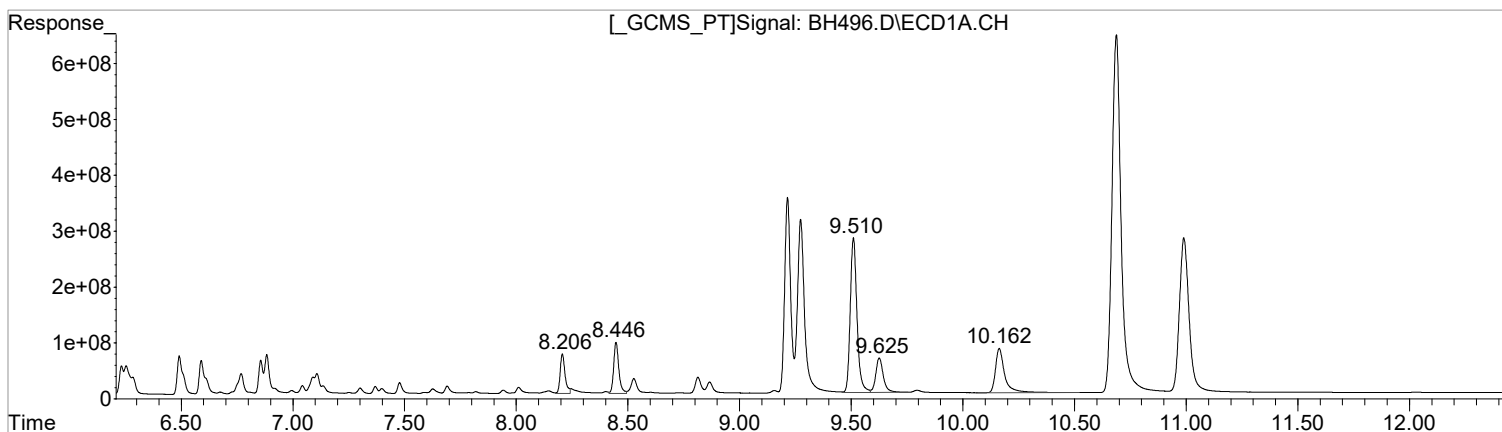
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	235967569	895.33
8.78	290147403	788.08
10.06	969723737	921.96
10.27	244748029	820.05
10.41	417197731	850.66

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1094765883	1005.83
8.45	1464736655	893.07
9.51	5806897468	985.67
9.63	1453816454	798.92
10.16	2274121803	985.34

Manual Integration:
After
Poor integration.
04/22/19

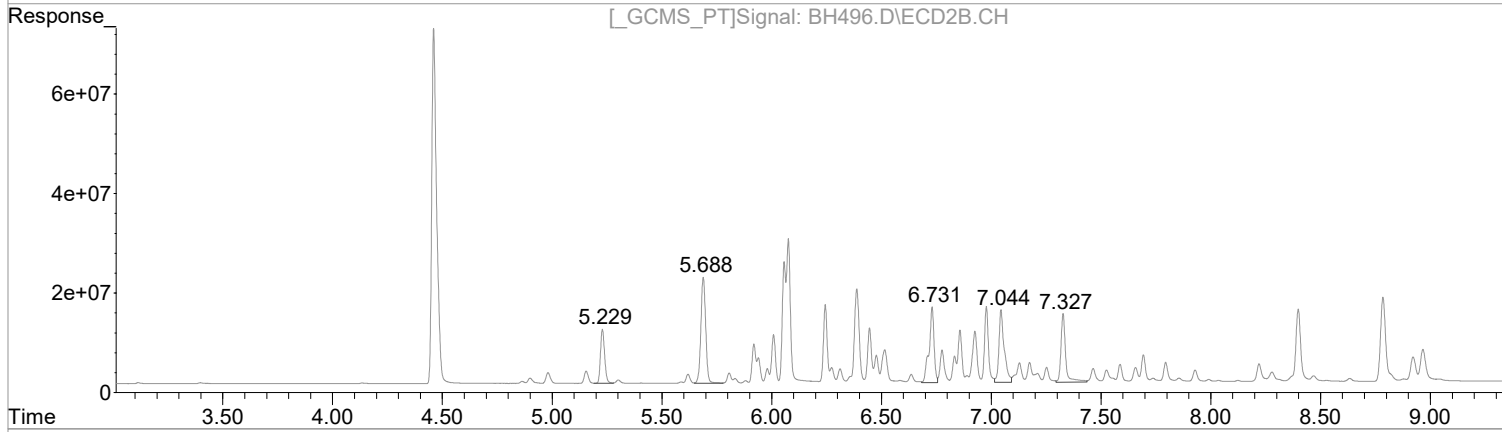
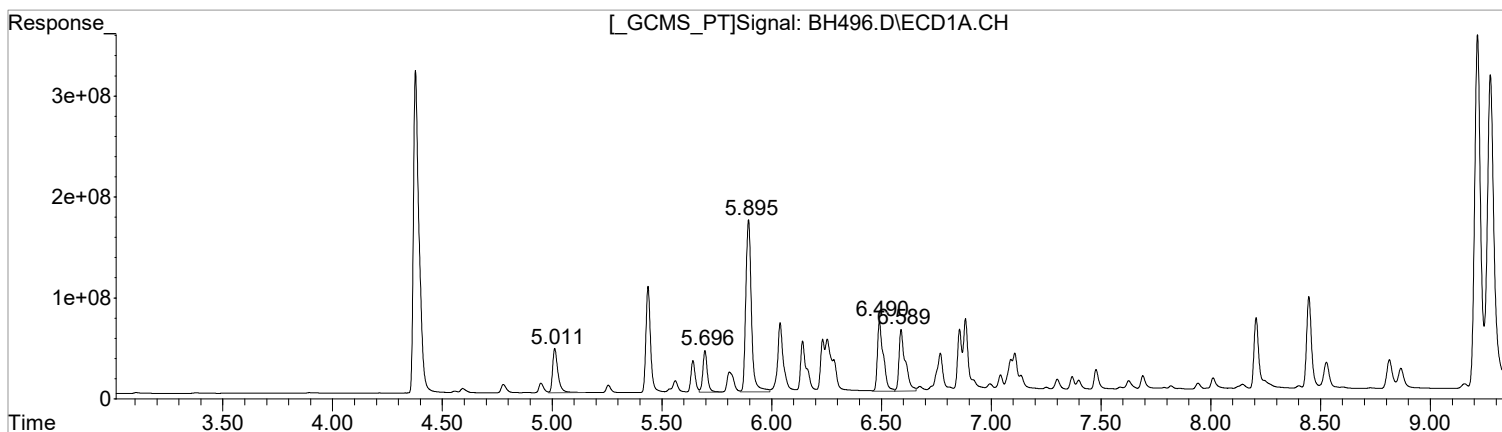
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	235967569	895.33
8.78	290147403	788.08
10.06	969723737	921.96
10.27	244748029	820.05
10.41	417197731	850.66

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH496.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:24 am
 Operator :
 Sample : 1242/68 H
 Misc : INITIAL CAL.
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	735547841	901.34
5.70	582560291	850.45
5.89	3034391348	953.96
6.49	1290477140	962.54
6.59	1212214853	959.53

Manual Integration:
 Before
 04/22/19

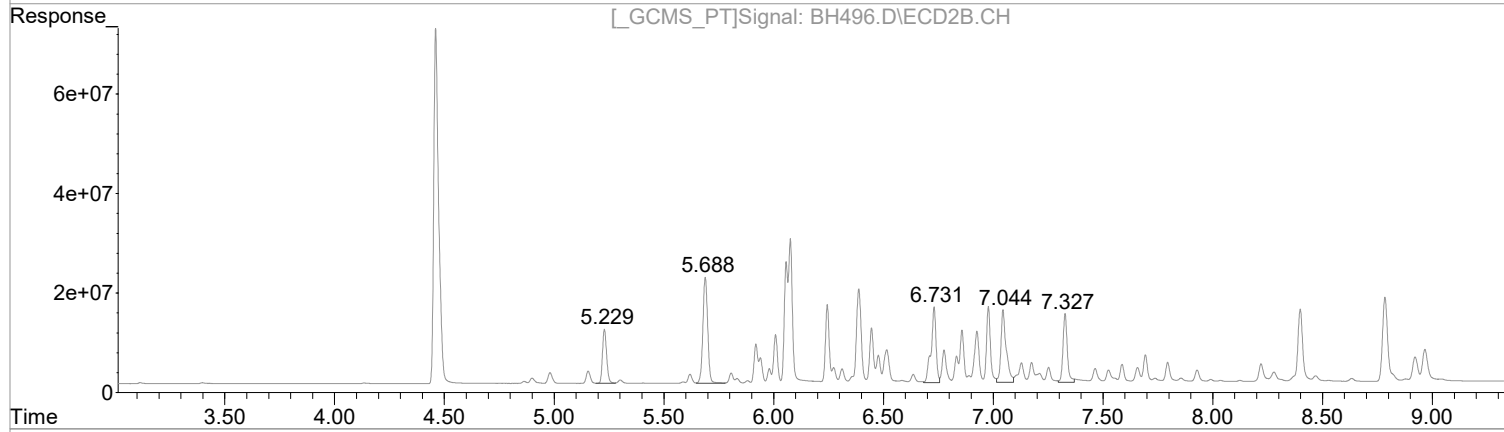
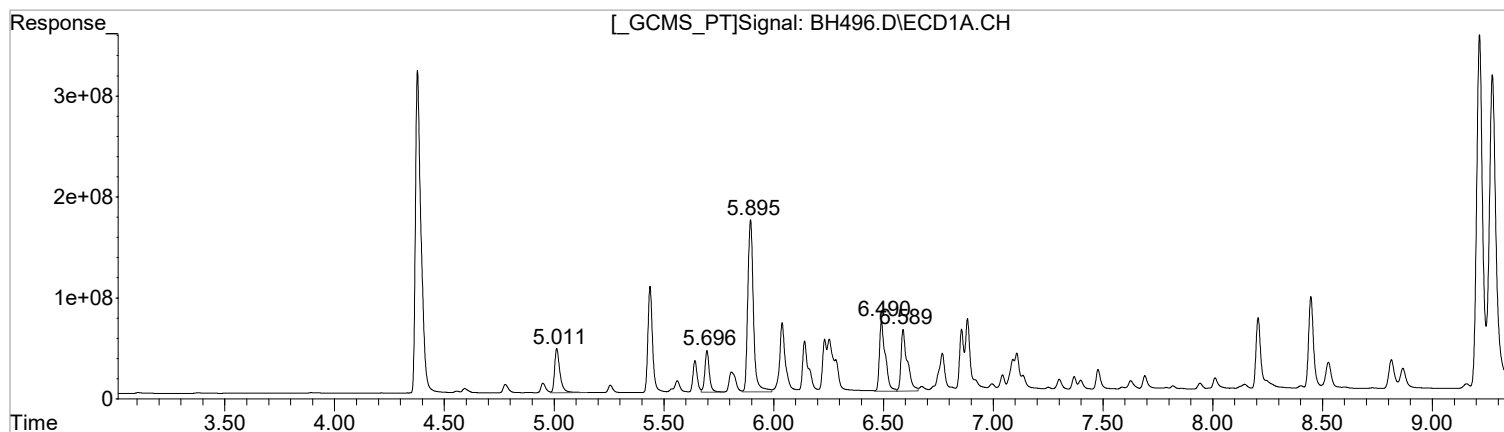
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	142787731	839.42
5.69	323785910	850.16
6.73	240454292	875.13
7.04	243599593	932.79
7.33	207207215	1073.92

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH496.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:24 am
Operator :
Sample : 1242/68 H
Misc : INITIAL CAL.
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	735547841	901.34
5.70	582560291	850.45
5.89	3034391348	953.96
6.49	1290477140	962.54
6.59	1212214853	959.53

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	142787731	839.42
5.69	323785910	850.16
6.73	240454292	875.13
7.04	243599593	932.79
7.33	189695952	983.16

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH495.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:04 am
 Operator :
 Sample : 1242/68 MH
 Misc : INITIAL CAL.
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

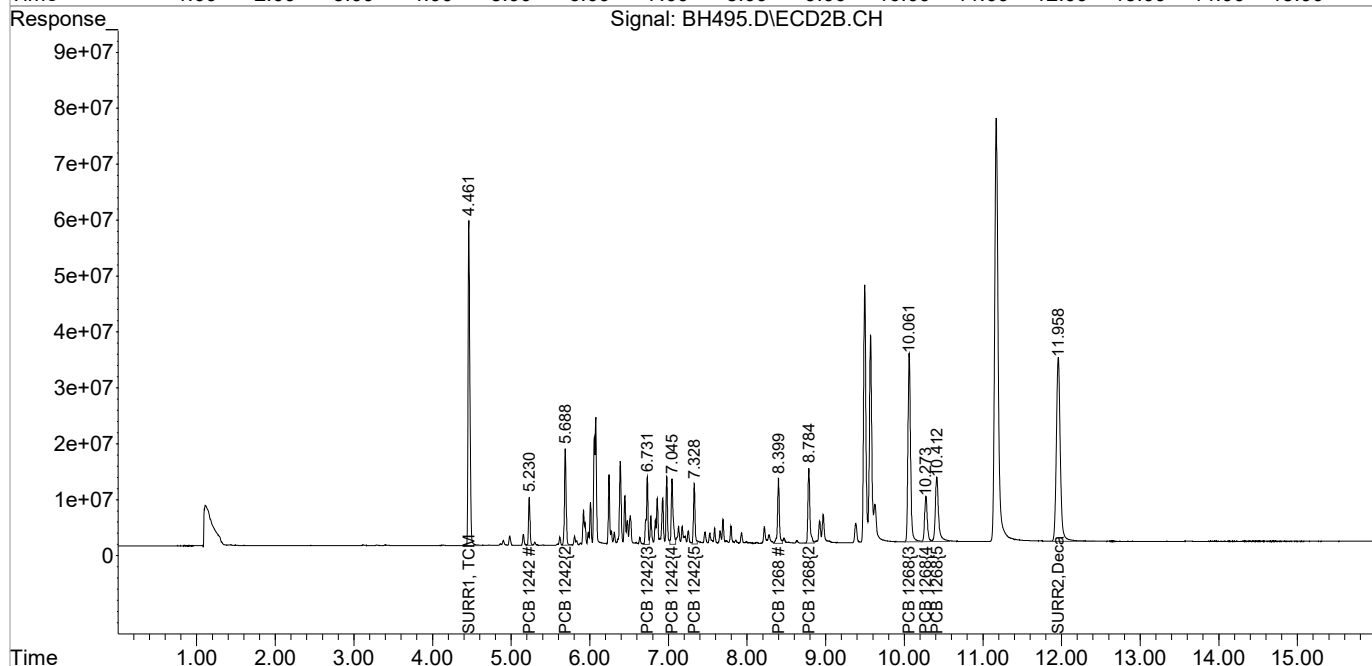
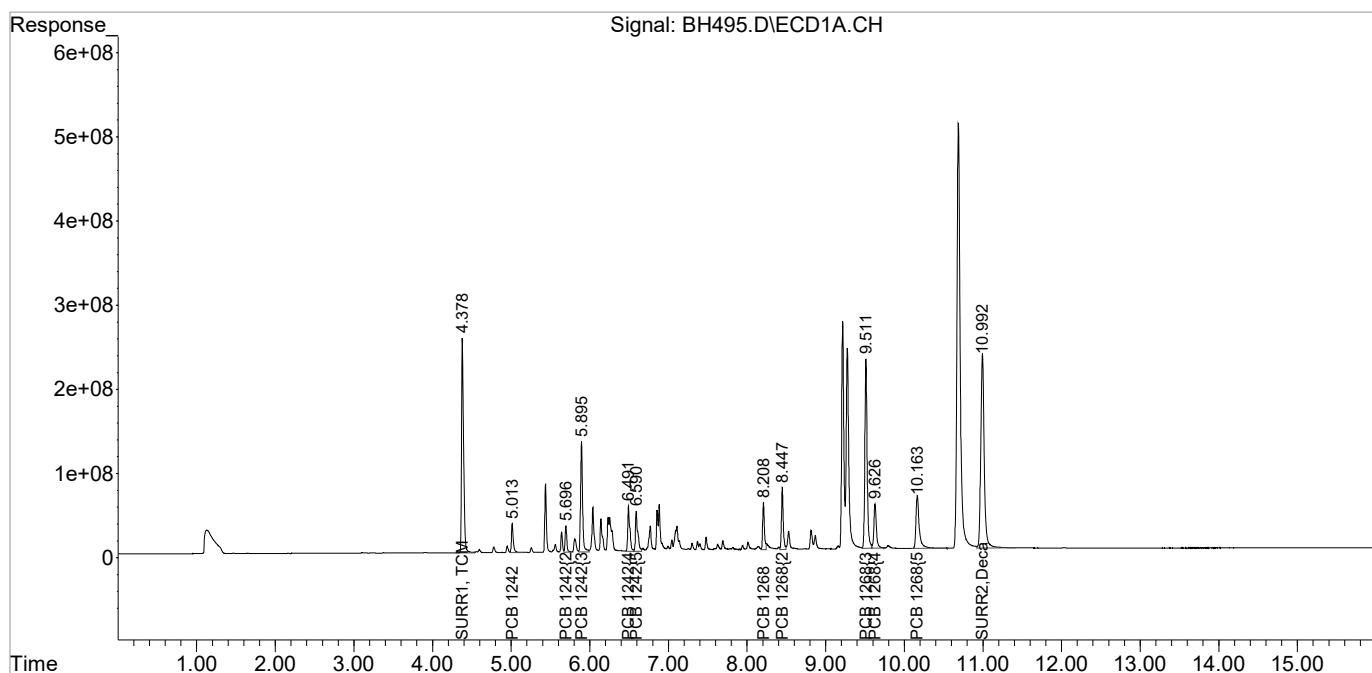
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	4627.5E6	914.7E6	77.579	71.562
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.58%	71.56%
2) S SURR2, Dec...	10.993	11.957	7013.1E6	1149.4E6	123.680	116.609
Spiked Amount	100.000	Range	30 - 150	Recovery	= 123.68%	116.61%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.013	5.230	579.3E6	113.3E6	709.938	666.324
19) L4c PCB 1242{2}	5.697	5.688	457.2E6	256.9E6	667.480	674.489
20) L4c PCB 1242{3}	5.895	6.731	2364.9E6	190.7E6	743.478	694.144
21) L4c PCB 1242{4}	6.492	7.045	1008.0E6	193.6E6	751.820	741.397
22) L4c PCB 1242{5}	6.591	7.328	949.9E6	150.7E6	751.926	780.981m
Sum PCB 1242			5359.4E6	905.3E6	3624.642	3557.335
Average PCB 1242					724.928	711.467
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	856.0E6	188.6E6	786.501m	715.613
39) L8C PCB 1268{2}	8.448	8.785	1165.1E6	232.2E6	710.411	630.669
40) L8C PCB 1268{3}	9.511	10.061	4581.8E6	769.7E6	777.715	731.795
41) L8C PCB 1268{4}	9.626	10.274	1149.9E6	194.2E6	631.928	650.528
42) L8C PCB 1268{5}	10.164	10.412	1824.2E6	331.3E6	790.385	675.550
Sum PCB 1268			9577.1E6	1716.0E6	3696.940	3404.155
Average PCB 1268					739.388	680.831
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

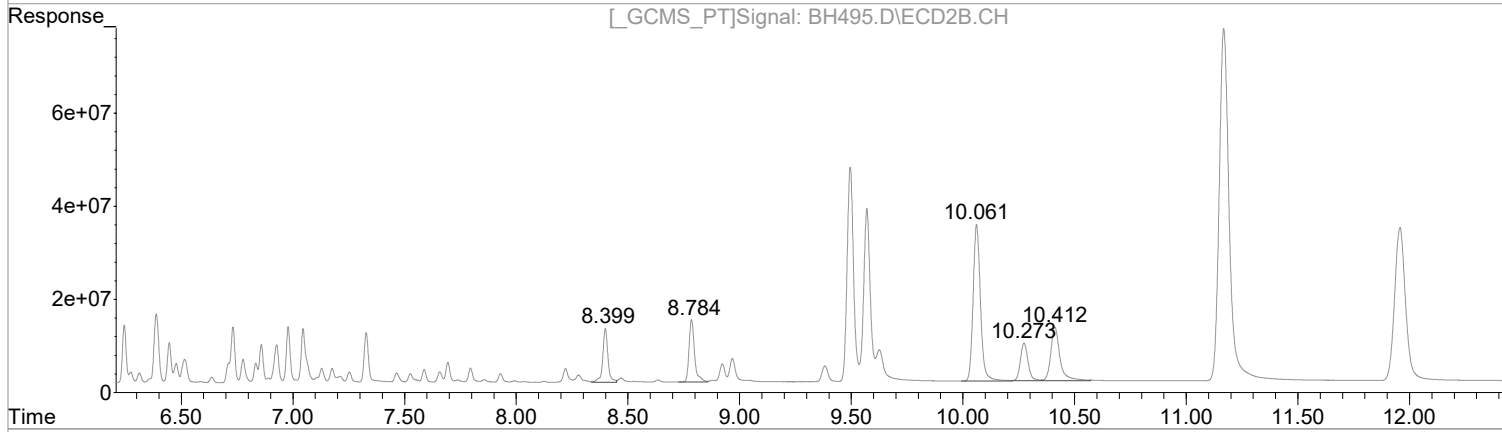
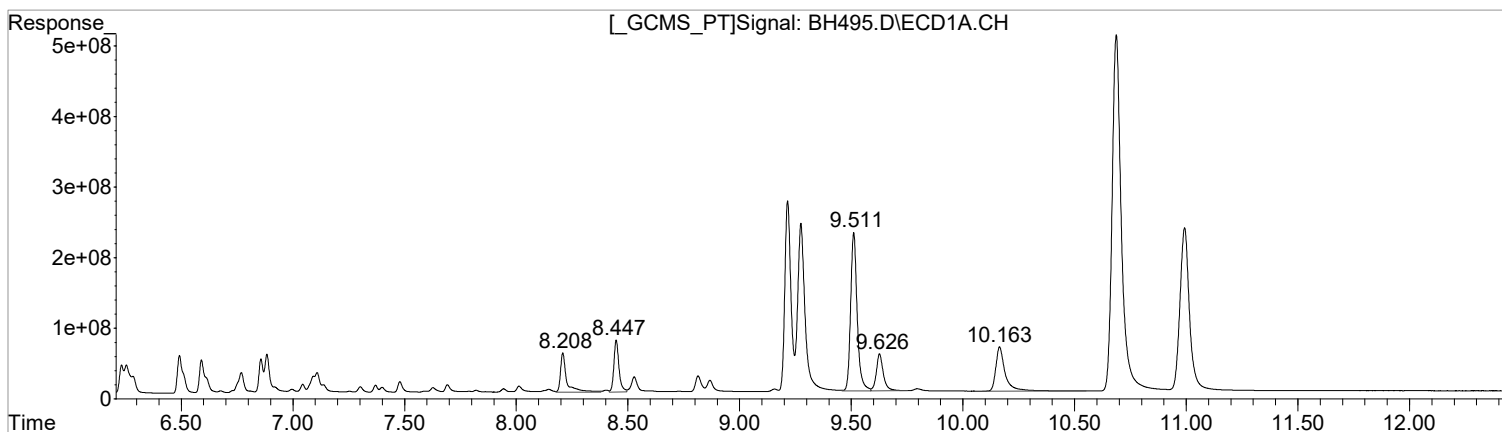
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH495.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:04 am
 Operator :
 Sample : 1242/68 MH
 Misc : INITIAL CAL.
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	1097570101	1008.40
8.45	1165149552	710.41
9.51	4581779775	777.72
9.63	1149932157	631.93
10.16	1824183524	790.39

Manual Integration:
 Before
 04/22/19

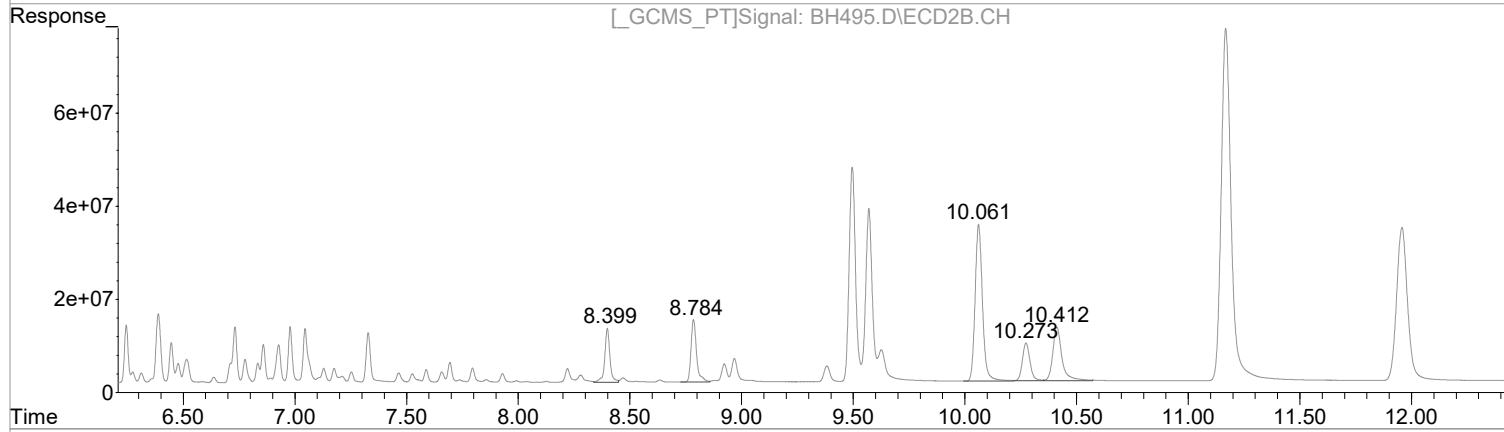
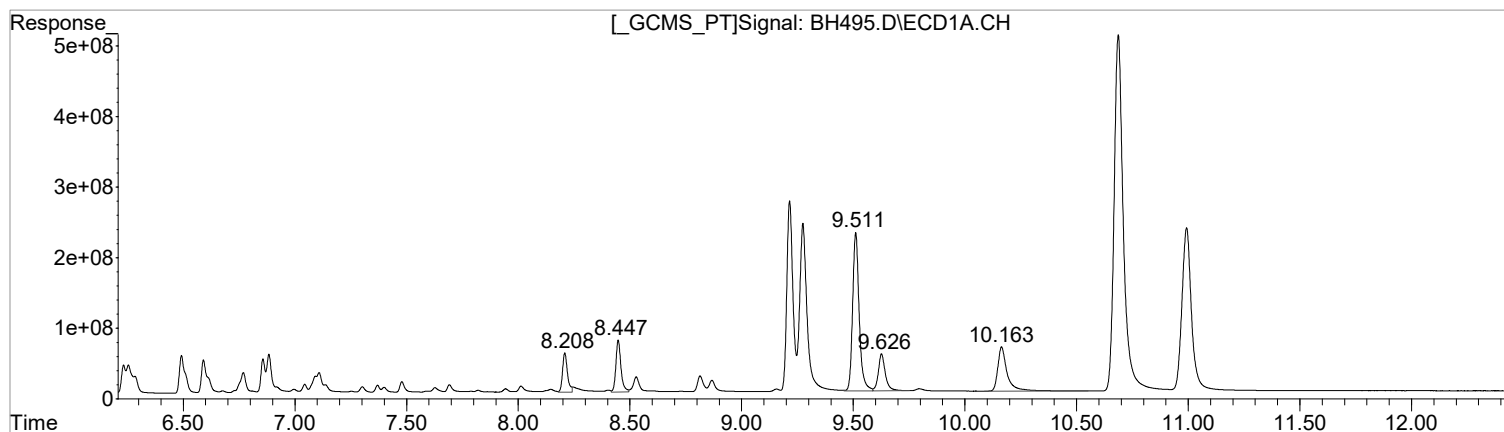
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	188602373	715.61
8.78	232192722	630.67
10.06	769707642	731.79
10.27	194153573	650.53
10.41	331317818	675.55

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	856047117	786.50
8.45	1165149552	710.41
9.51	4581779775	777.72
9.63	1149932157	631.93
10.16	1824183524	790.39

(38) PCB 1268 #2 (L8C)

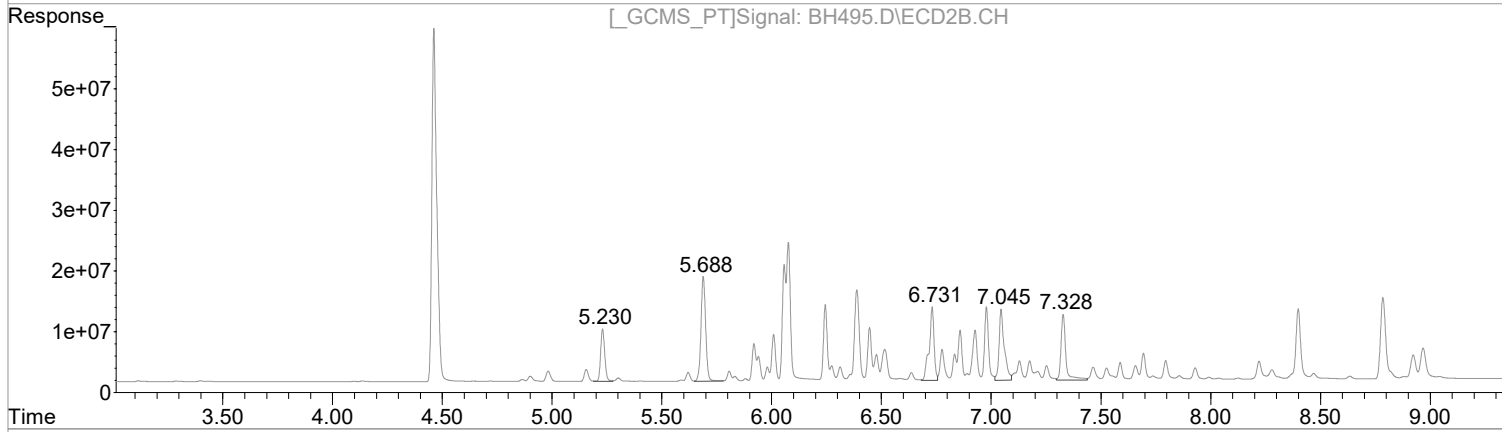
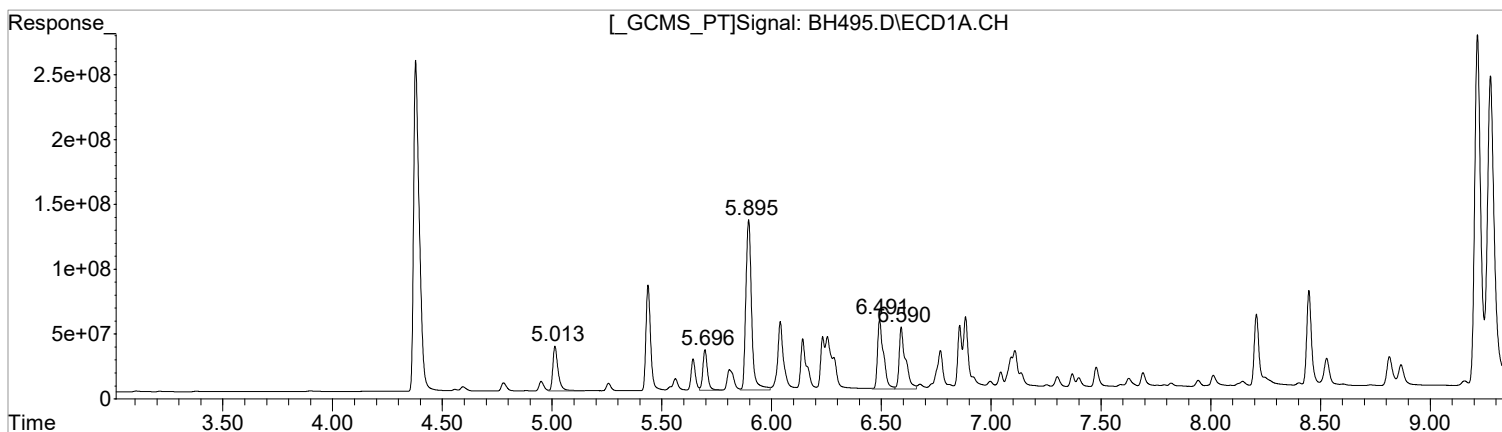
R.T.	Response	Conc
8.40	188602373	715.61
8.78	232192722	630.67
10.06	769707642	731.79
10.27	194153573	650.53
10.41	331317818	675.55

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH495.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 8:04 am
 Operator :
 Sample : 1242/68 MH
 Misc : INITIAL CAL.
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:17 2019
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 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	579349855	709.94
5.70	457224624	667.48
5.90	2364888513	743.48
6.49	1007966289	751.82
6.59	949934880	751.93

Manual Integration:
 Before
 04/22/19

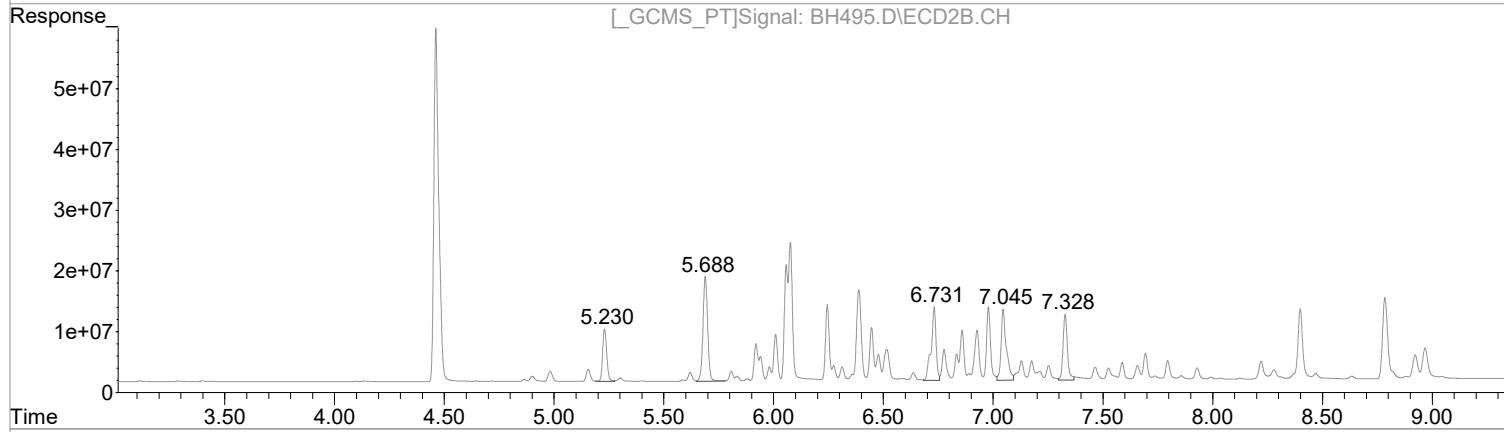
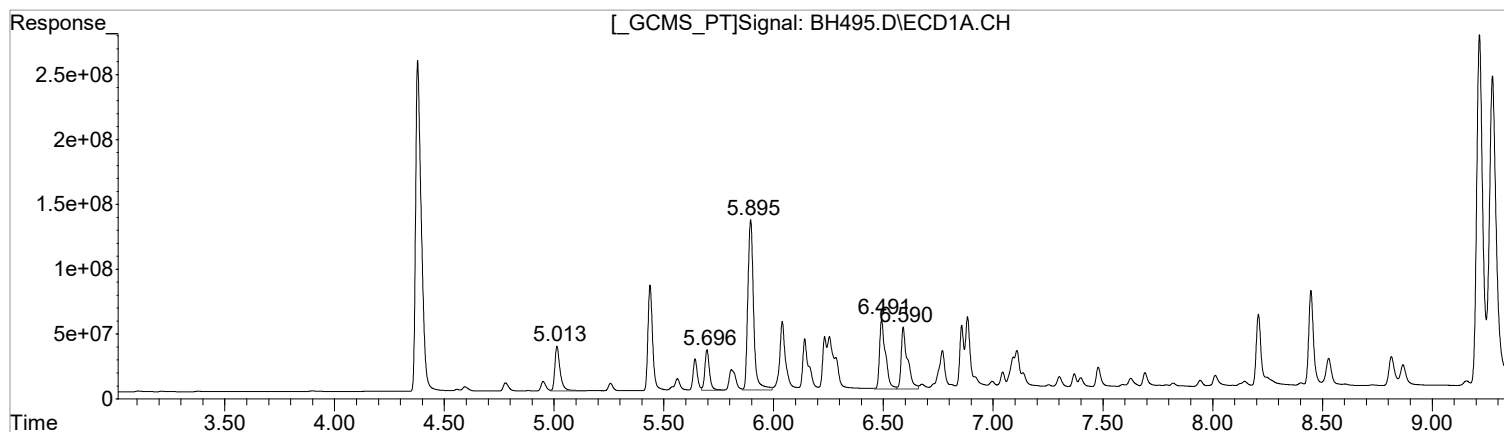
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	113343274	666.32
5.69	256880342	674.49
6.73	190725652	694.14
7.05	193617444	741.40
7.33	165171118	856.05

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH495.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 8:04 am
Operator :
Sample : 1242/68 MH
Misc : INITIAL CAL.
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
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Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	579349855	709.94
5.70	457224624	667.48
5.90	2364888513	743.48
6.49	1007966289	751.82
6.59	949934880	751.93

Manual Integration:
After
Poor integration.
04/22/19

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	113343274	666.32
5.69	256880342	674.49
6.73	190725652	694.14
7.05	193617444	741.40
7.33	150686741	780.98

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH494.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:44 am
 Operator :
 Sample : 1242/68 M
 Misc : INITIAL CAL.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

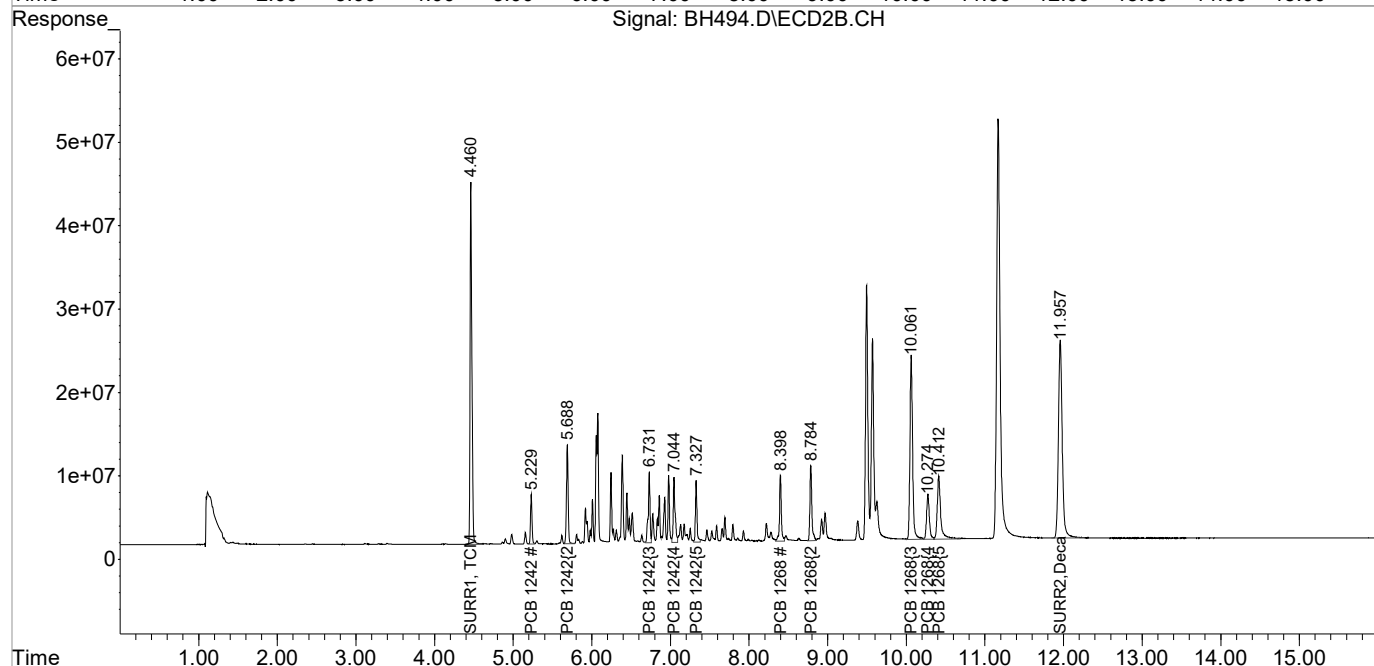
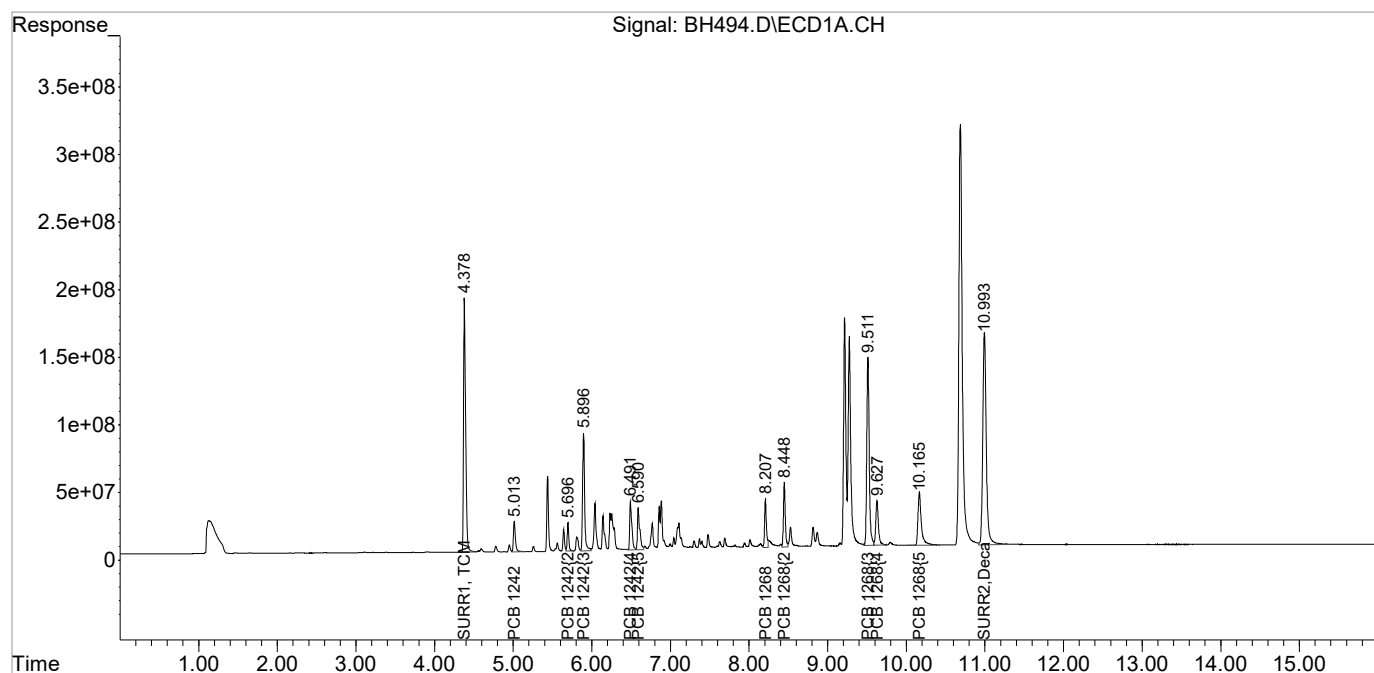
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	3480.9E6	698.3E6	58.358	54.636
Spiked Amount	100.000	Range	30 - 150	Recovery	= 58.36%	54.64%
2) S SURR2, Dec...	10.992	11.957	4912.8E6	804.9E6	86.641	81.656
Spiked Amount	100.000	Range	30 - 150	Recovery	= 86.64%	81.66%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.014	5.230	397.0E6	78975895	486.519	464.285
19) L4c PCB 1242{2}	5.697	5.689	307.7E6	177.8E6	449.173	466.845
20) L4c PCB 1242{3}	5.896	6.731	1569.7E6	129.5E6	493.481	471.305
21) L4c PCB 1242{4}	6.492	7.045	672.6E6	130.9E6	501.668	501.383
22) L4c PCB 1242{5}	6.590	7.327	628.6E6	102.8E6	497.553	532.820m
Sum PCB 1242			3575.6E6	620.0E6	2428.394	2436.638
Average PCB 1242					485.679	487.328
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.207	8.399	574.1E6	127.6E6	527.484m	484.279
39) L8C PCB 1268{2}	8.448	8.785	781.4E6	157.3E6	476.435	427.292
40) L8C PCB 1268{3}	9.511	10.062	2979.4E6	517.3E6	505.731	491.838
41) L8C PCB 1268{4}	9.627	10.274	758.2E6	133.5E6	416.631	447.456
42) L8C PCB 1268{5}	10.165	10.412	1175.3E6	231.4E6	509.247	471.726
Sum PCB 1268			6268.4E6	1167.2E6	2435.528	2322.591
Average PCB 1268					487.106	464.518
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

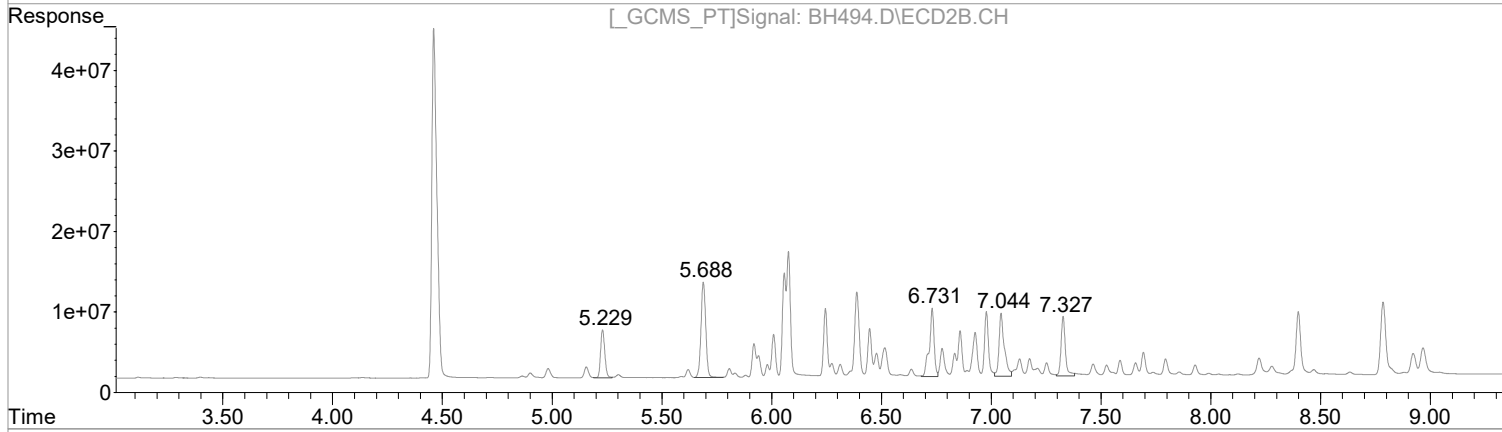
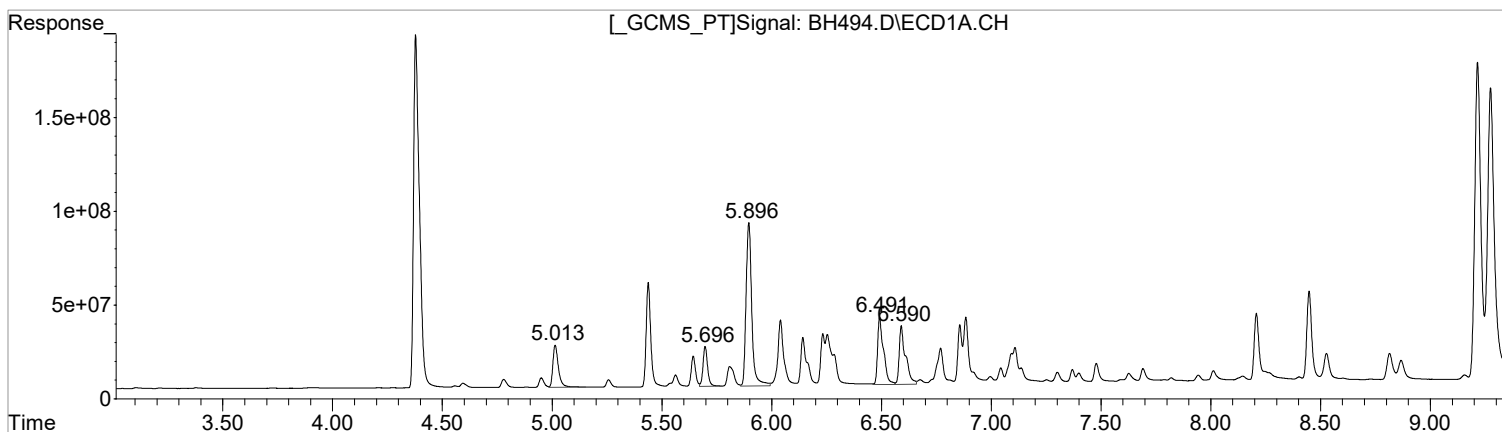
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH494.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:44 am
 Operator :
 Sample : 1242/68 M
 Misc : INITIAL CAL.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

(18) PCB 1242 #2 (L4c)

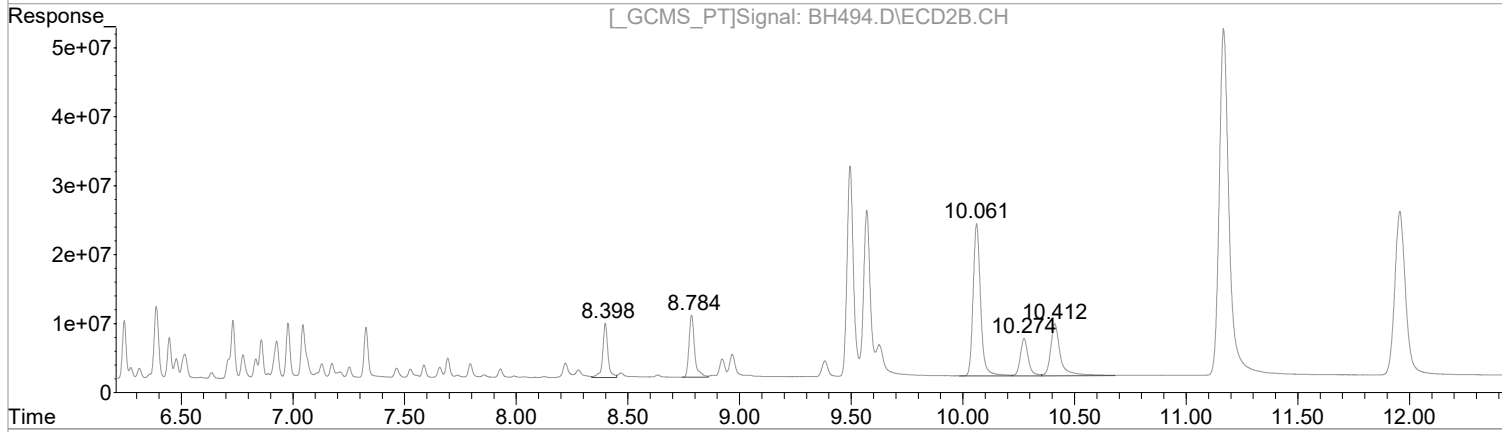
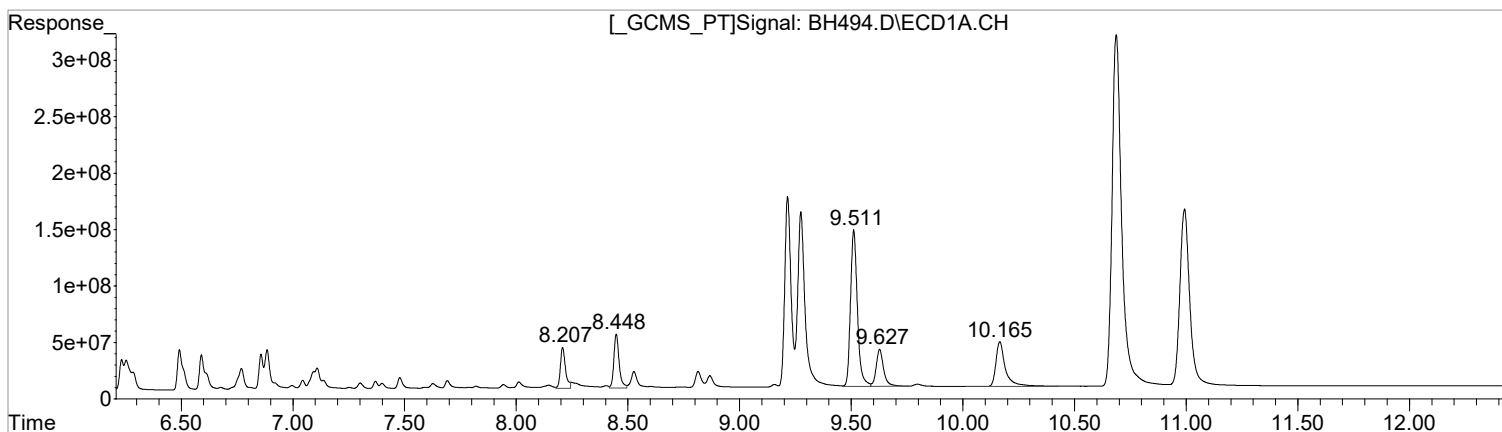
R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	102805240	532.82

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH494.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:44 am
Operator :
Sample : 1242/68 M
Misc : INITIAL CAL.
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	574126962	527.48
8.45	781404058	476.43
9.51	2979431727	505.73
9.63	758152165	416.63
10.17	1175324688	509.25

(38) PCB 1268 #2 (L8C)

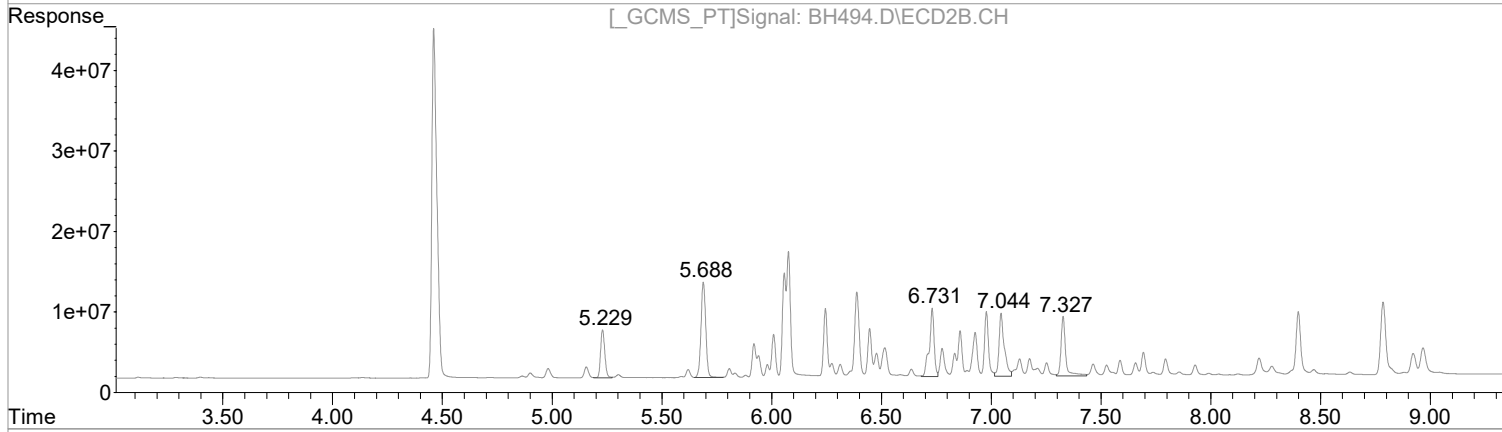
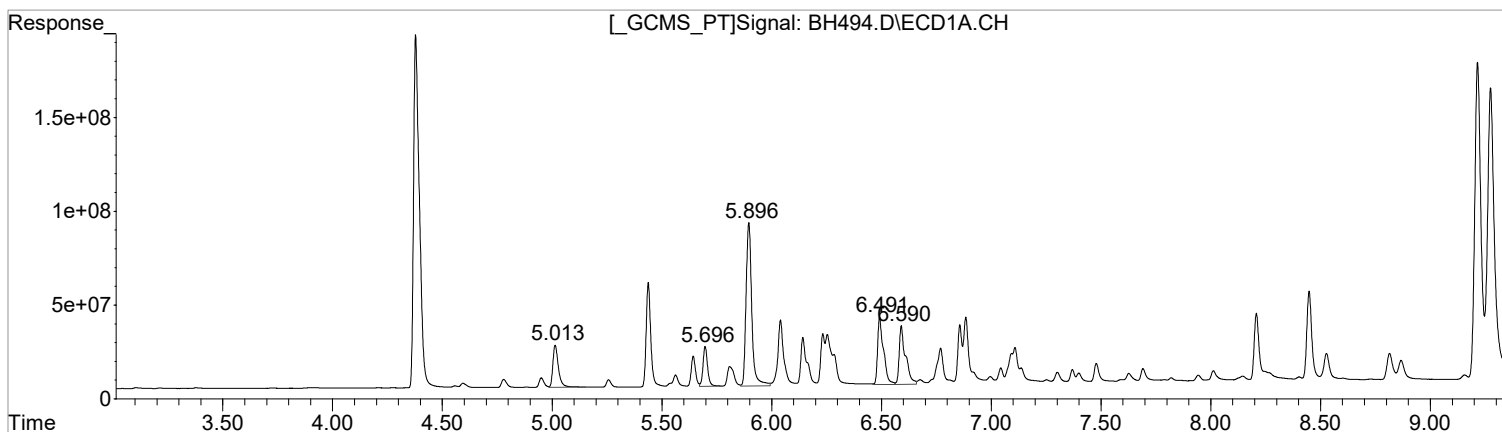
R.T.	Response	Conc
8.40	127633338	484.28
8.78	157315716	427.29
10.06	517319322	491.84
10.27	133545750	447.46
10.41	231354006	471.73

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH494.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:44 am
 Operator :
 Sample : 1242/68 M
 Misc : INITIAL CAL.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

Manual Integration:
 Before
 04/22/19

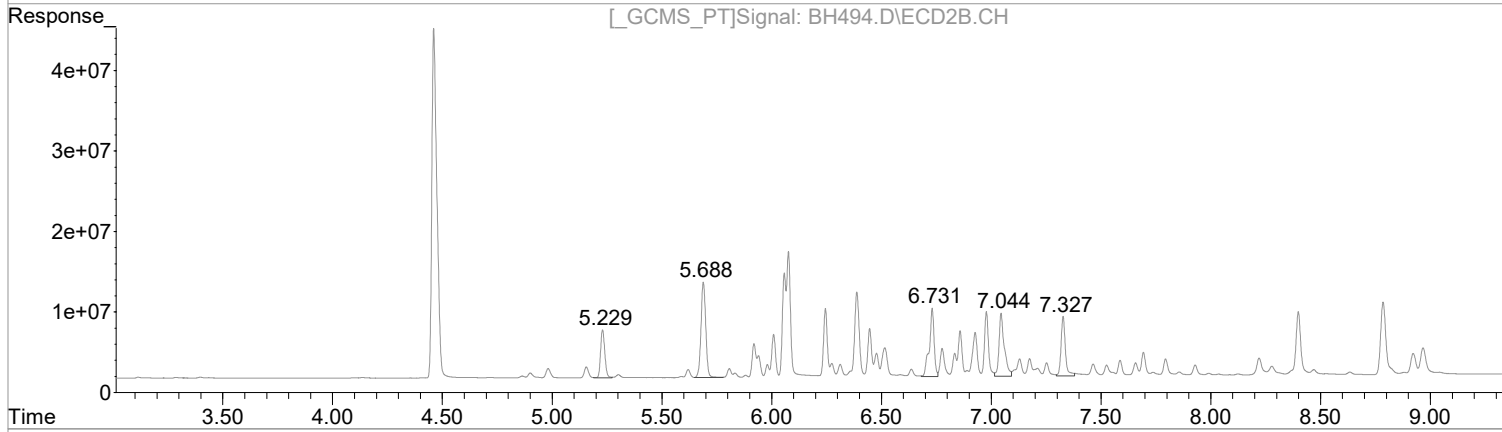
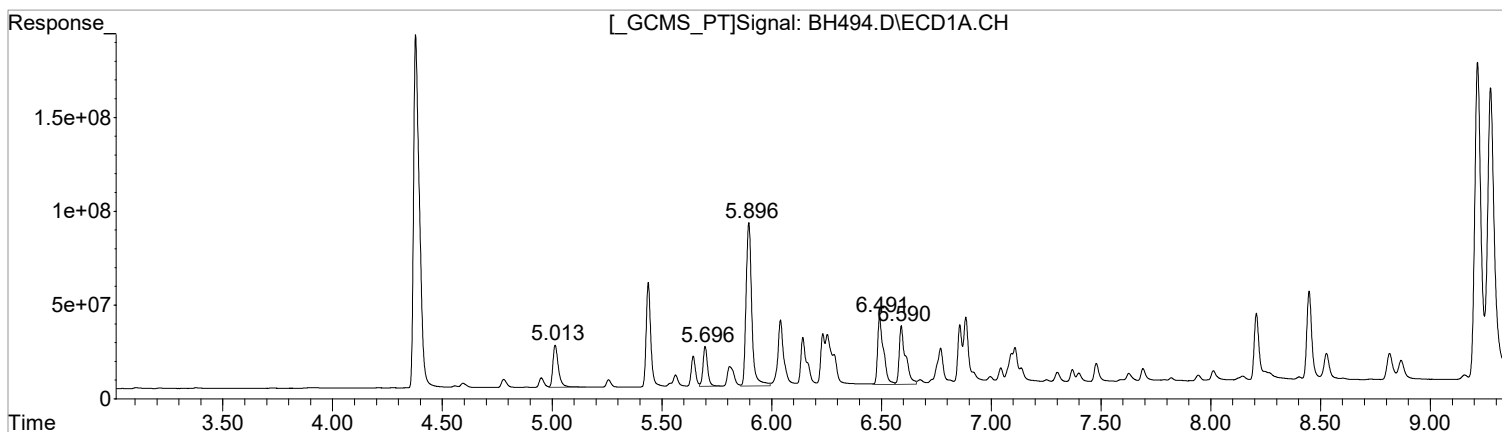
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	110066676	570.45

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH494.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:44 am
 Operator :
 Sample : 1242/68 M
 Misc : INITIAL CAL.
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.01	397026792	486.52
5.70	307684466	449.17
5.90	1569687601	493.48
6.49	672586665	501.67
6.59	628577050	497.55

(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	78975895	464.28
5.69	177798684	466.84
6.73	129497563	471.31
7.04	130937369	501.38
7.33	102805240	532.82

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH493.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:23 am
 Operator :
 Sample : 1242/68 ML
 Misc : INITIAL CAL.
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:11 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

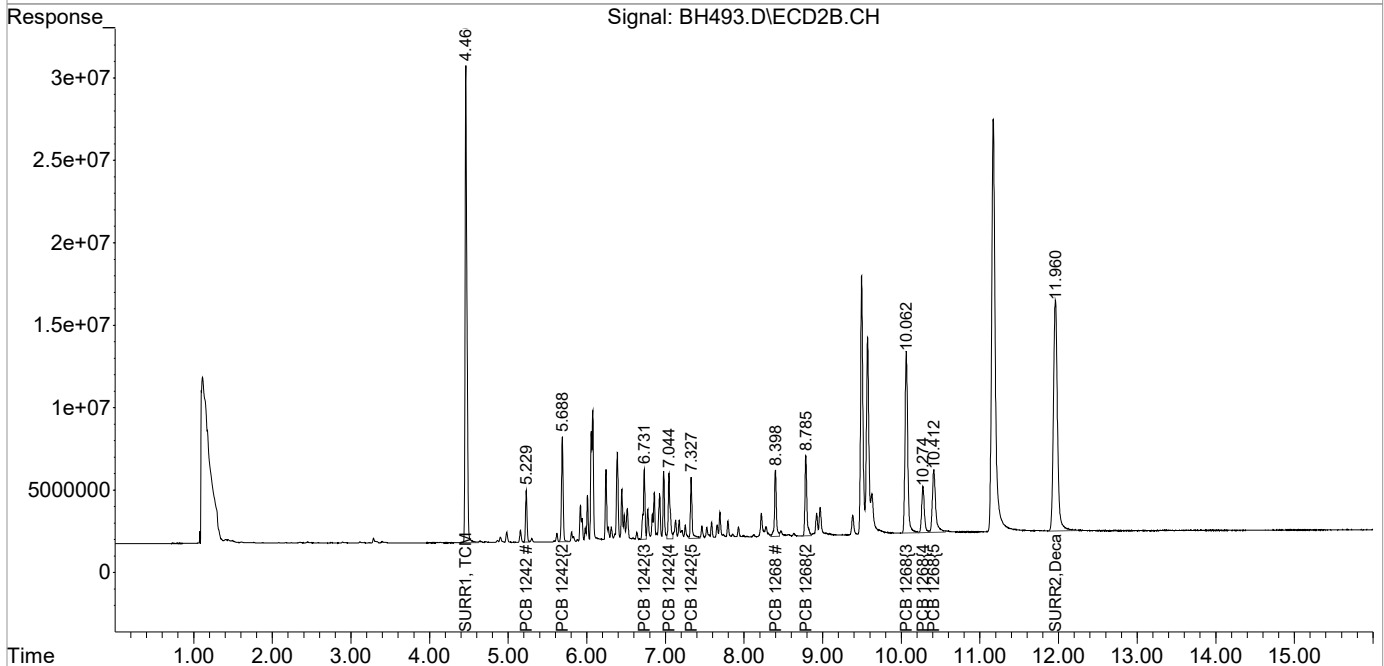
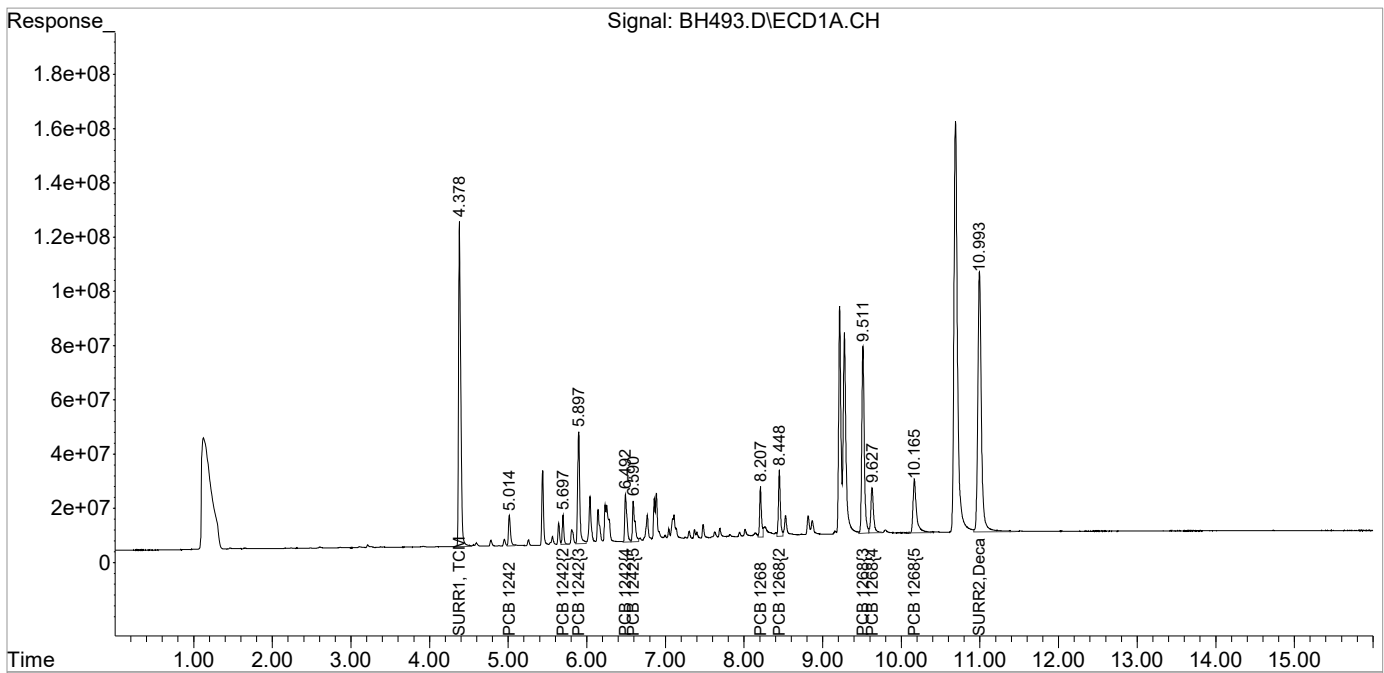
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	2297.6E6	469.7E6	38.520	36.746
Spiked Amount	100.000	Range	30 - 150	Recovery	= 38.52%	36.75%
2) S SURR2, Dec...	10.993	11.960	3038.4E6	500.6E6	53.584	50.790
Spiked Amount	100.000	Range	30 - 150	Recovery	= 53.58%	50.79%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.015	5.230	200.5E6	41324650	245.728	242.940
19) L4c PCB 1242{2}	5.698	5.689	156.4E6	93473407	228.322	245.433
20) L4c PCB 1242{3}	5.897	6.731	784.9E6	65904138	246.770	239.858
21) L4c PCB 1242{4}	6.493	7.045	341.1E6	66476078	254.416	254.549
22) L4c PCB 1242{5}	6.591	7.328	315.5E6	54075277	249.719	280.262
Sum PCB 1242			1798.4E6	321.3E6	1224.954	1263.041
Average PCB 1242					244.991	252.608
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	300.6E6	67238348	276.204	255.122
39) L8C PCB 1268{2}	8.448	8.785	419.0E6	82968308	255.443	225.354
40) L8C PCB 1268{3}	9.512	10.063	1503.7E6	263.0E6	255.233	250.040
41) L8C PCB 1268{4}	9.628	10.274	393.7E6	66613158	216.366	223.193
42) L8C PCB 1268{5}	10.166	10.413	602.5E6	111.3E6	261.056	226.865
Sum PCB 1268			3219.5E6	591.1E6	1264.301	1180.573
Average PCB 1268					252.860	236.115
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH493.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:23 am
 Operator :
 Sample : 1242/68 ML
 Misc : INITIAL CAL.
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:11 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.32mm 30m
 Signal #2 Phase : DB-17
 Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH492.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:03 am
 Operator :
 Sample : 1242/68 L
 Misc : INITIAL CAL.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:08 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

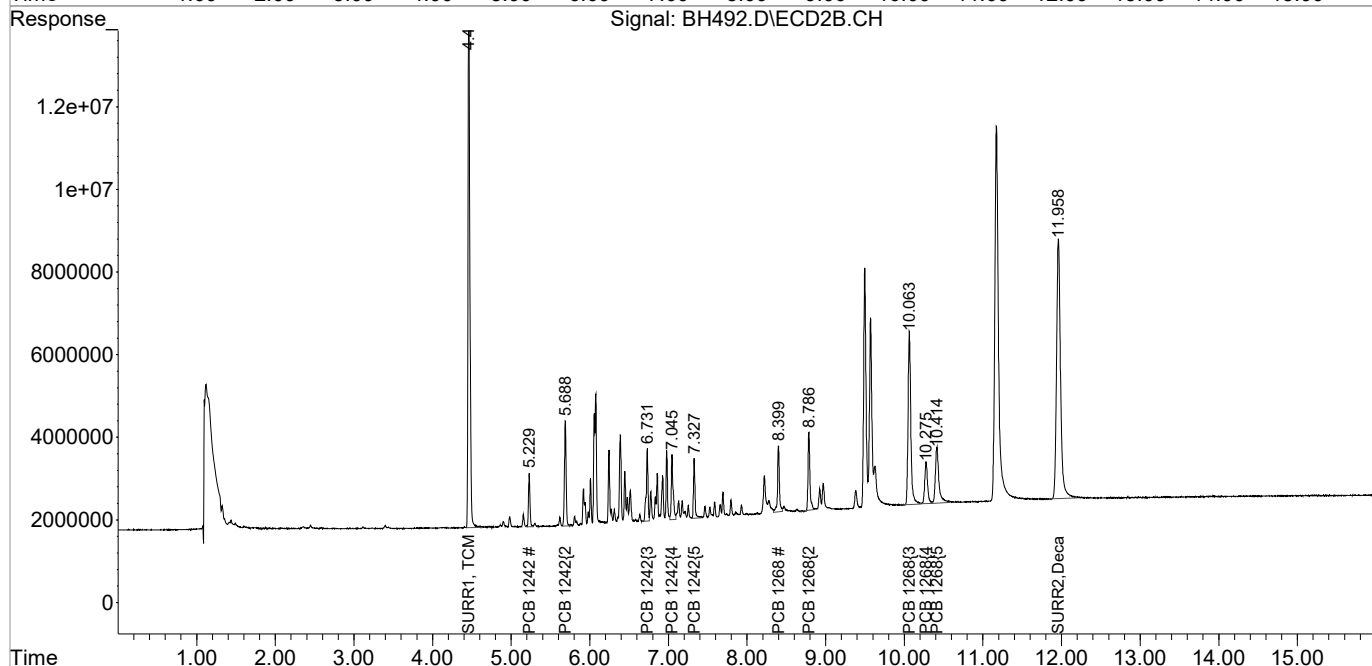
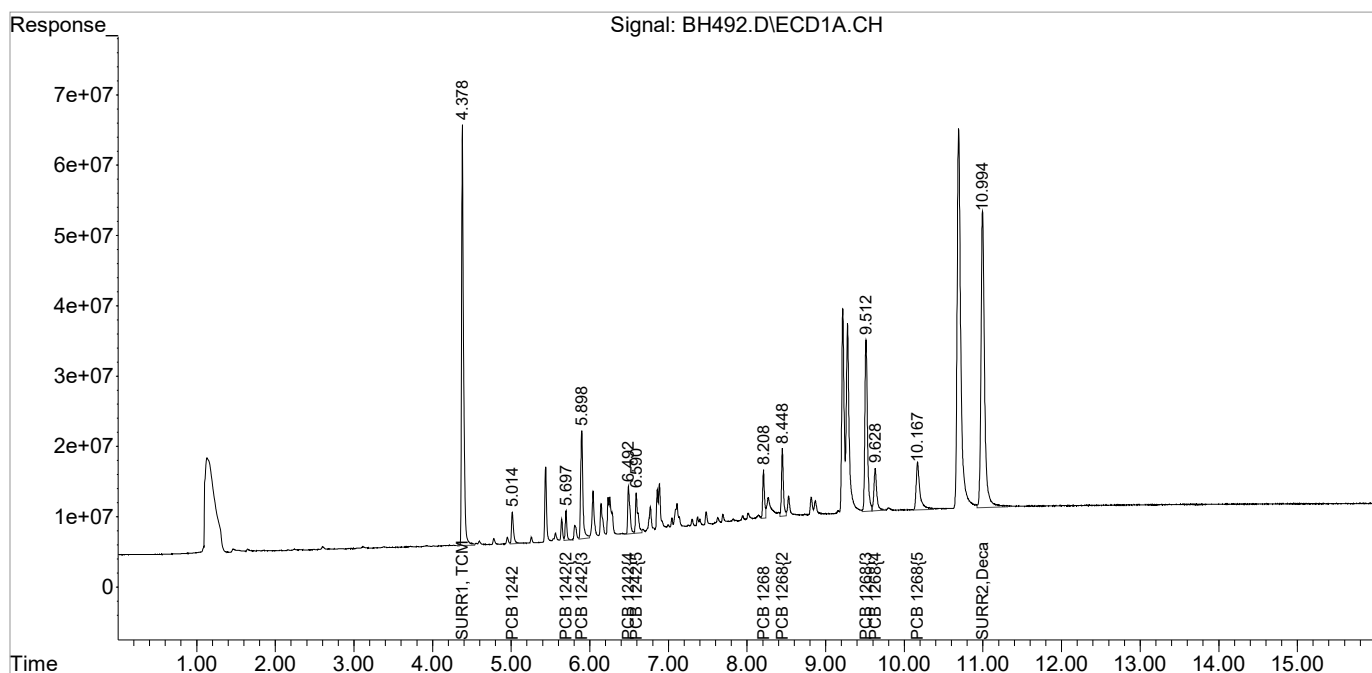
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.460	1055.1E6	222.3E6	17.688	17.392
Spiked Amount	100.000	Range	30 - 150	Recovery	= 17.69%#	17.39%#
2) S SURR2, Dec...	10.994	11.959	1337.0E6	221.4E6	23.578	22.463
Spiked Amount	100.000	Range	30 - 150	Recovery	= 23.58%#	22.46%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.015	5.229	82065241	16931776	100.563	99.539
19) L4c PCB 1242{2}	5.697	5.689	61183669	38173946	89.319	100.233
20) L4c PCB 1242{3}	5.898	6.731	304.3E6	26234709	95.667	95.481
21) L4c PCB 1242{4}	6.492	7.045	131.5E6	25848006	98.085	98.977
22) L4c PCB 1242{5}	6.591	7.328	119.7E6	19837634	94.714	102.815
Sum PCB 1242			698.7E6	127.0E6	478.347	497.044
Average PCB 1242					95.669	99.409
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	106.6E6	26357921	97.914m	100.010
39) L8C PCB 1268{2}	8.448	8.786	161.2E6	31451223	98.286m	85.426
40) L8C PCB 1268{3}	9.513	10.063	561.5E6	101.1E6	95.304	96.167
41) L8C PCB 1268{4}	9.629	10.276	149.4E6	25355699	82.094	84.956
42) L8C PCB 1268{5}	10.168	10.415	220.5E6	41690133	95.553	85.005
Sum PCB 1268			1199.2E6	226.0E6	469.151	451.565
Average PCB 1268					93.830	90.313
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH492.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 7:03 am
 Operator :
 Sample : 1242/68 L
 Misc : INITIAL CAL.
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:08 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

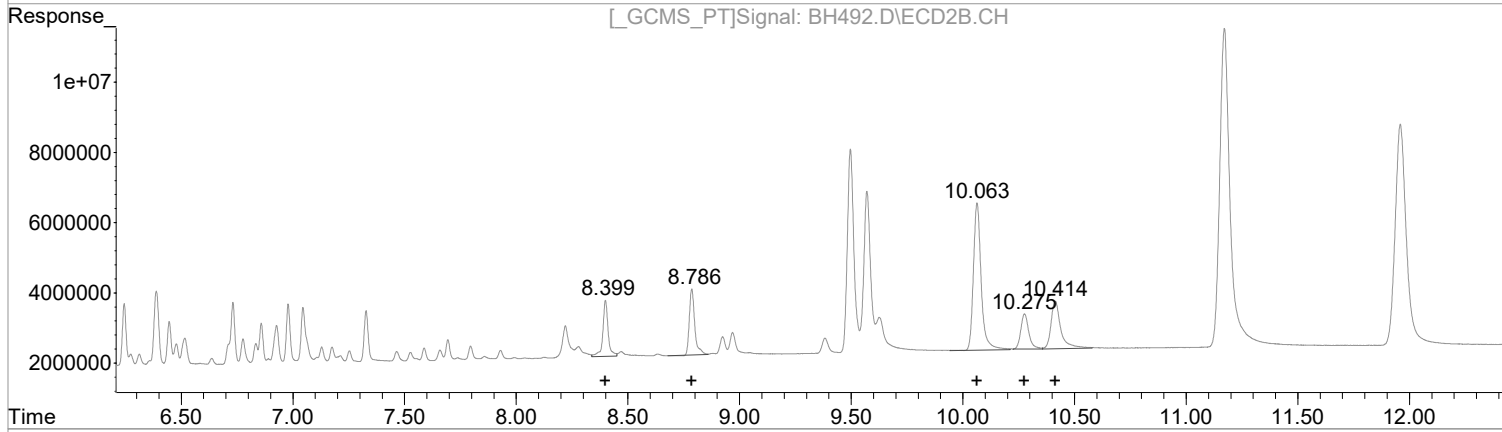
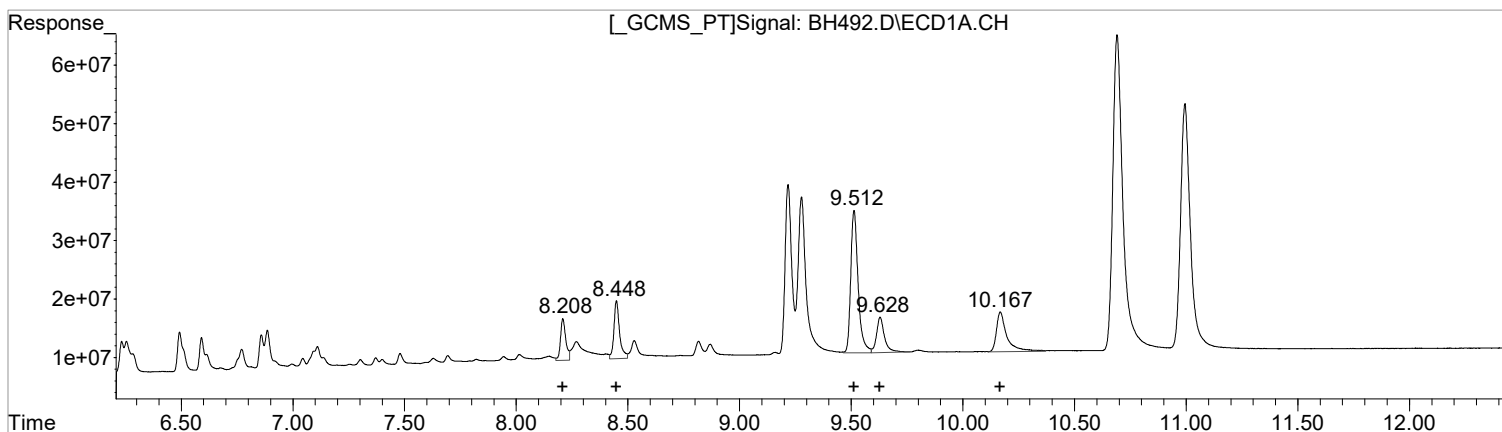
Volume Inj. : 2uL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.32mm 30m
 Signal #2 Phase : DB-17
 Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:03 am
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:08 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	117605458	108.05
8.45	175260073	106.86
9.51	561466501	95.30
9.63	149387529	82.09
10.17	220532684	95.55

Manual Integration:
Before
04/22/19

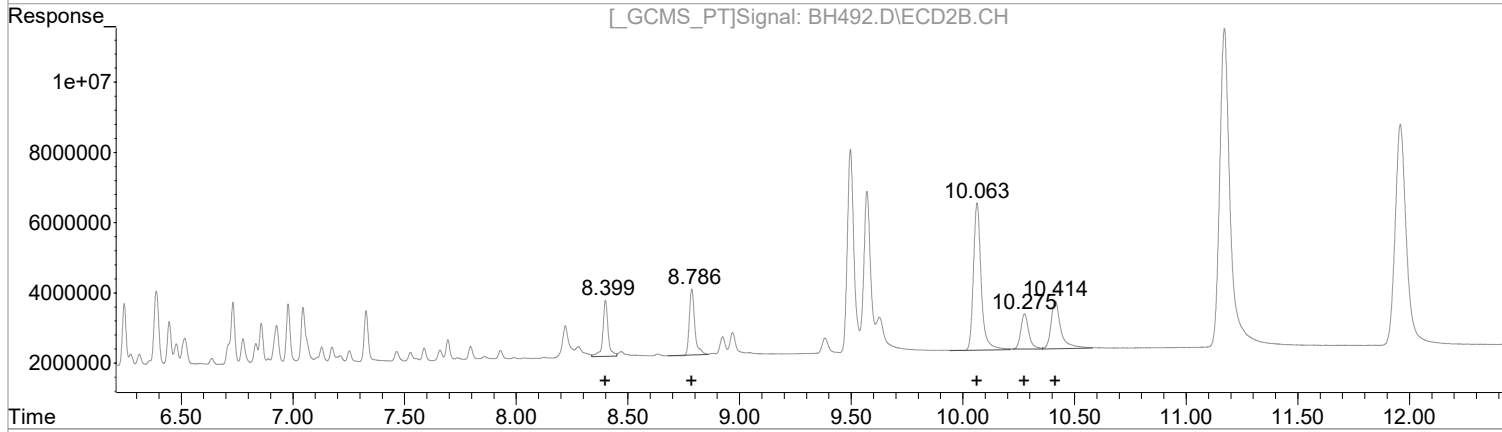
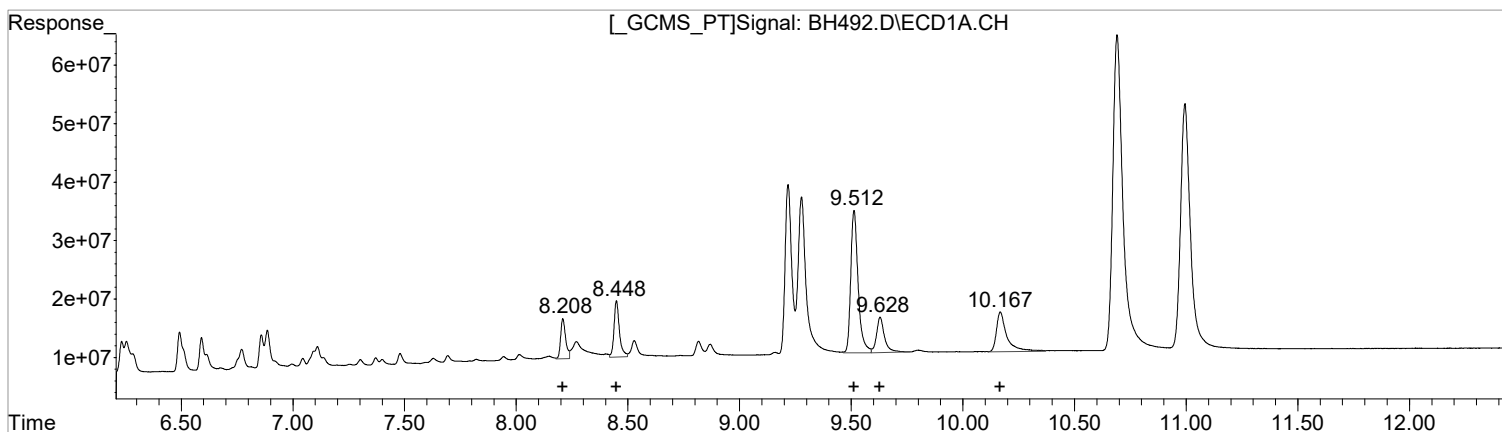
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	26357921	100.01
8.79	31451223	85.43
10.06	101149240	96.17
10.28	25355699	84.96
10.41	41690133	85.01

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH492.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 7:03 am
Operator :
Sample : 1242/68 L
Misc : INITIAL CAL.
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:08 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	106572441	97.91
8.45	161200142	98.29
9.51	561466501	95.30
9.63	149387529	82.09
10.17	220532684	95.55

(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	26357921	100.01
8.79	31451223	85.43
10.06	101149240	96.17
10.28	25355699	84.96
10.41	41690133	85.01

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

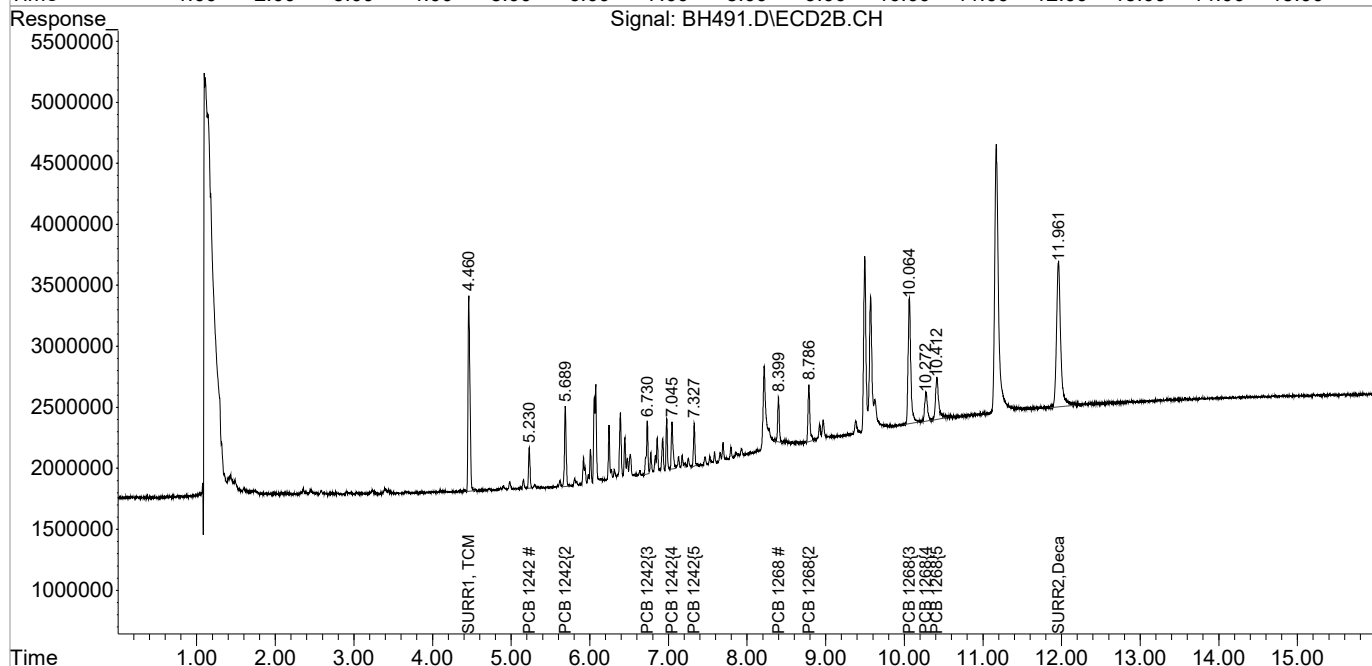
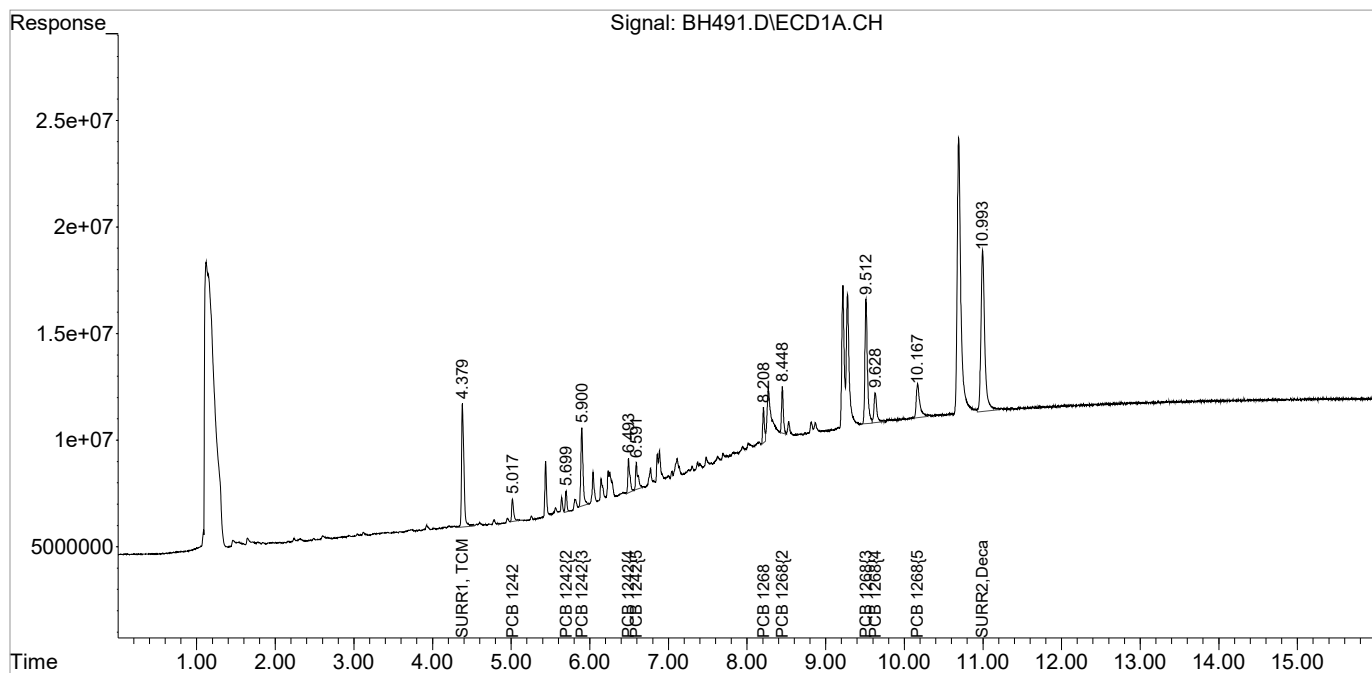
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	121.7E6	26640977	2.040	2.084
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.04%#	2.08%#
2) S SURR2, Dec...	10.995	11.961	251.0E6	43802766	4.427	4.444
Spiked Amount	100.000	Range	30 - 150	Recovery =	4.43%#	4.44%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
18) L4c PCB 1242	5.017	5.230	18613529	4265939	22.809m	25.079m
19) L4c PCB 1242{2}	5.698	5.689	13852864	9690731	20.223	25.445 #
20) L4c PCB 1242{3}	5.900	6.730	71532906	6413847	22.489m	23.343m
21) L4c PCB 1242{4}	6.493	7.045	29071875	5793763	21.684m	22.185m
22) L4c PCB 1242{5}	6.591	7.328	25619095	4322188	20.279m	22.401
Sum PCB 1242			158.7E6	30486468	107.484	118.453
Average PCB 1242					21.497	23.691
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
38) L8C PCB 1268	8.208	8.399	24055799	5332402	22.101m	20.233m
39) L8C PCB 1268{2}	8.448	8.786	34291462	7820012	20.908m	21.240m
40) L8C PCB 1268{3}	9.512	10.064	129.6E6	24295375	22.005m	23.099m
41) L8C PCB 1268{4}	9.628	10.272	35076573	5871940	19.276m	19.674m
42) L8C PCB 1268{5}	10.167	10.412	49522250	9653310	21.457m	19.683m
Sum PCB 1268			272.6E6	52973040	105.748	103.929
Average PCB 1268					21.150	20.786
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

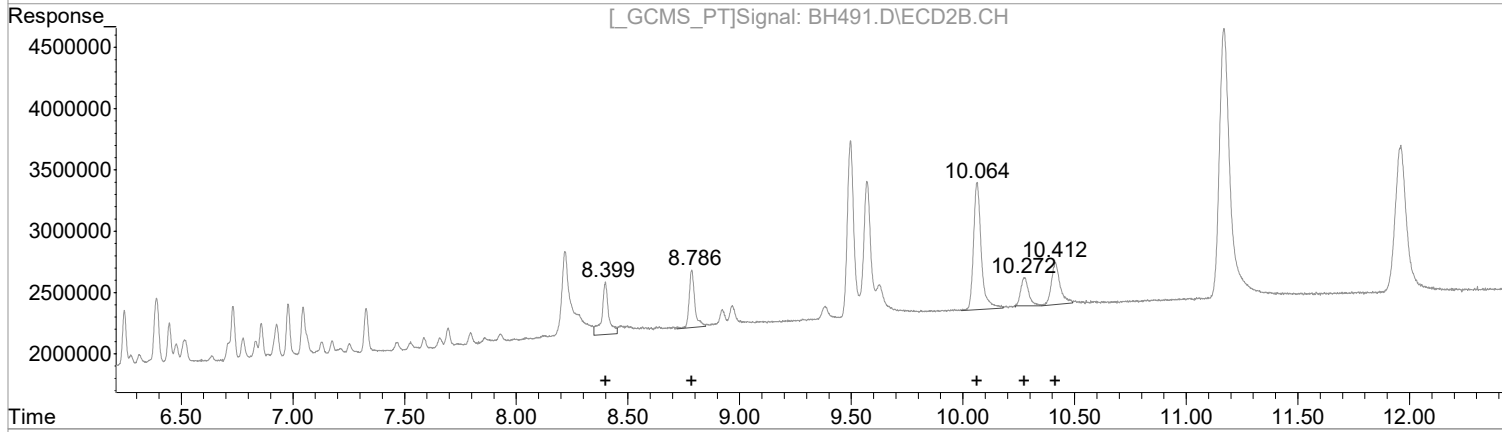
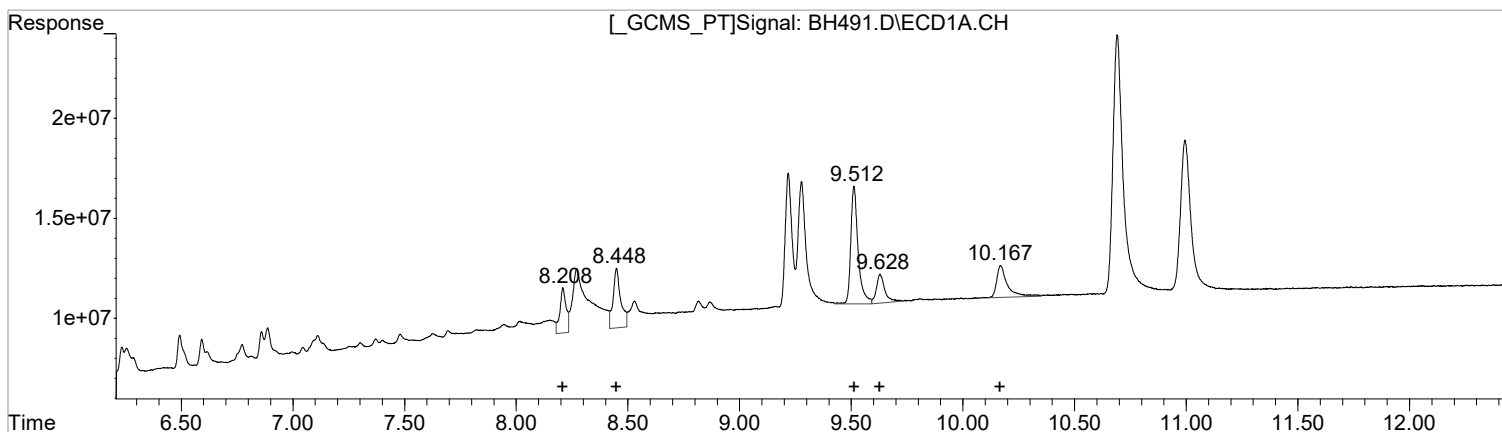
Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	44385404	40.78
8.45	71532276	43.61
9.51	143969100	24.44
9.63	38069161	20.92
10.17	53664716	23.25

Manual Integration:
 Before
 04/22/19

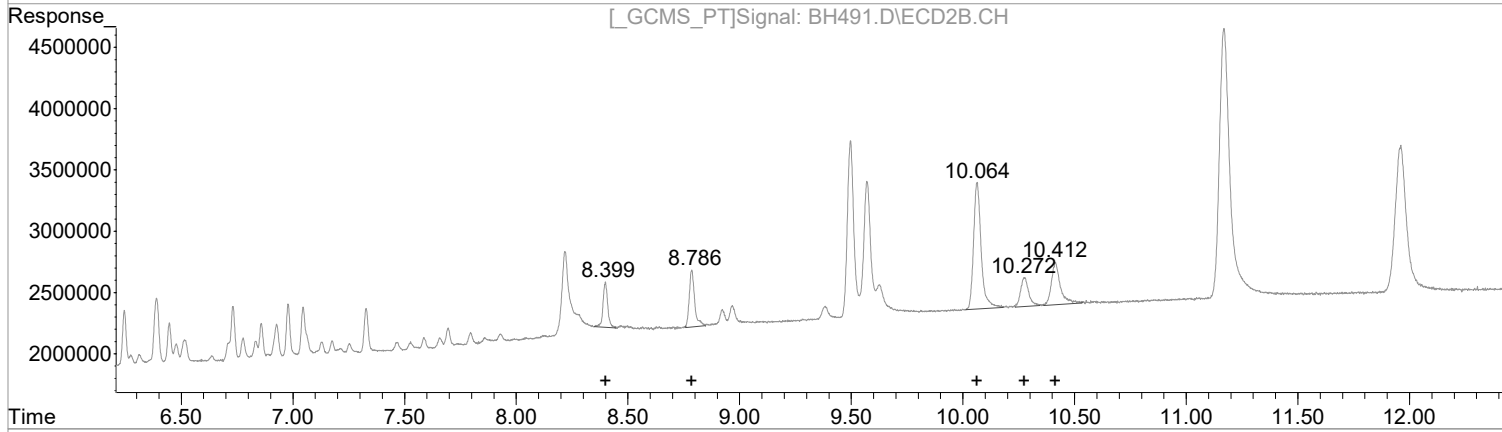
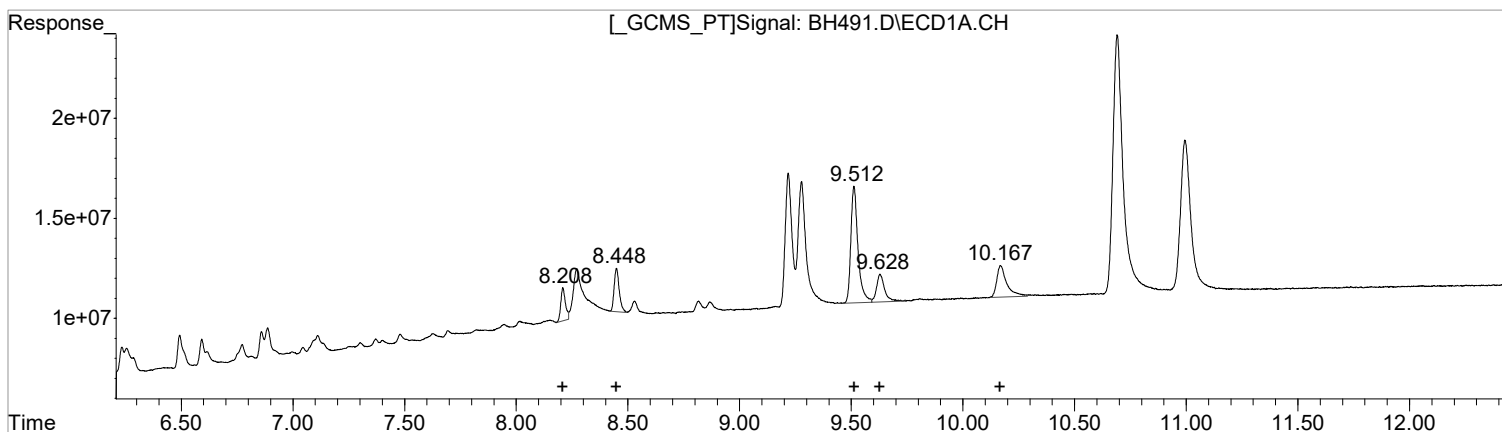
(38) PCB 1268 #2 (L8C)

R.T.	Response	Conc
8.40	9045080	34.32
8.79	8143184	22.12
10.06	24934092	23.71
10.27	6153555	20.62
10.41	9236554	18.83

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH491.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:42 am
Operator :
Sample : 1242/68 LL
Misc : INITIAL CAL.
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:05 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(38) PCB 1268 (L8C)

R.T.	Response	Conc
8.21	24055799	22.10
8.45	34291462	20.91
9.51	129640337	22.01
9.63	35076573	19.28
10.17	49522250	21.46

(38) PCB 1268 #2 (L8C)

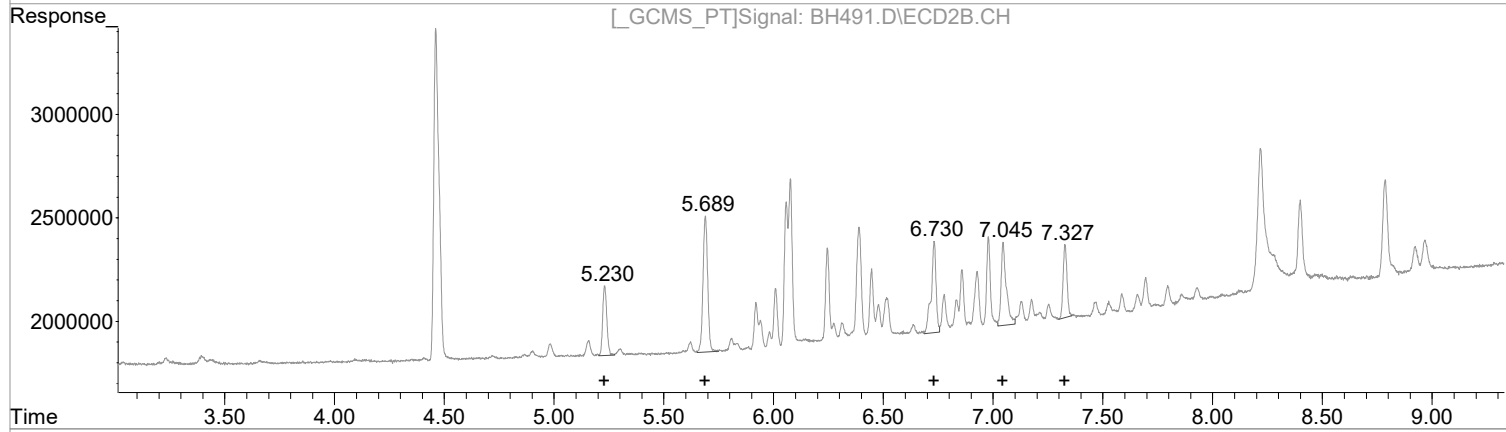
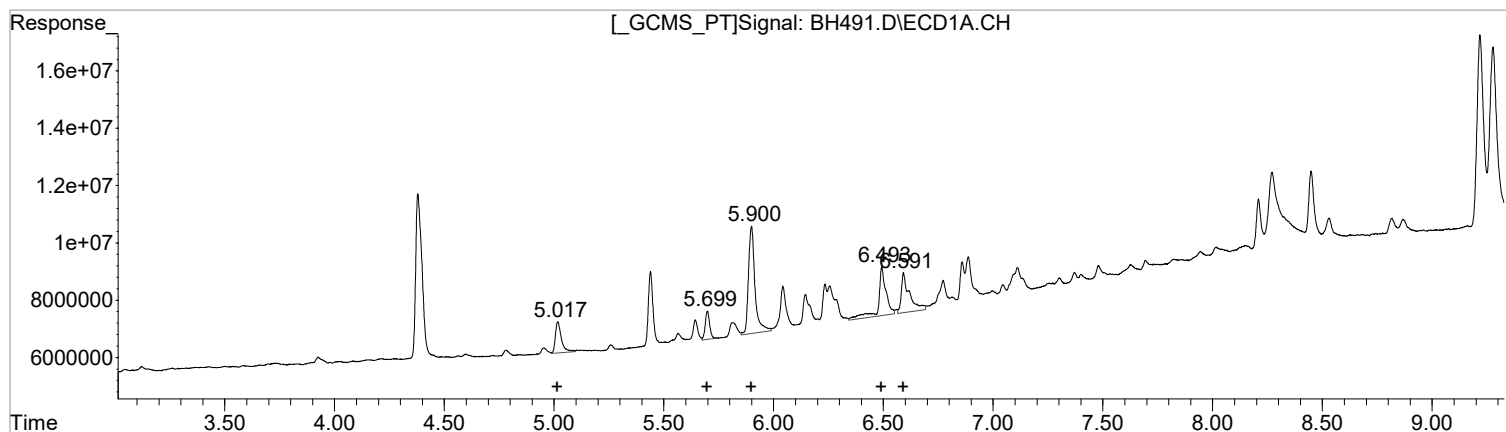
R.T.	Response	Conc
8.40	5332402	20.23
8.79	7820012	21.24
10.06	24295375	23.10
10.27	5871940	19.67
10.41	9653310	19.68

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(18) PCB 1242 (L4c)

R.T.	Response	Conc
5.02	20661142	25.32
5.70	13852864	20.22
5.90	77301837	24.30
6.49	41118665	30.67
6.59	35749342	28.30

Manual Integration:
 Before
 04/22/19

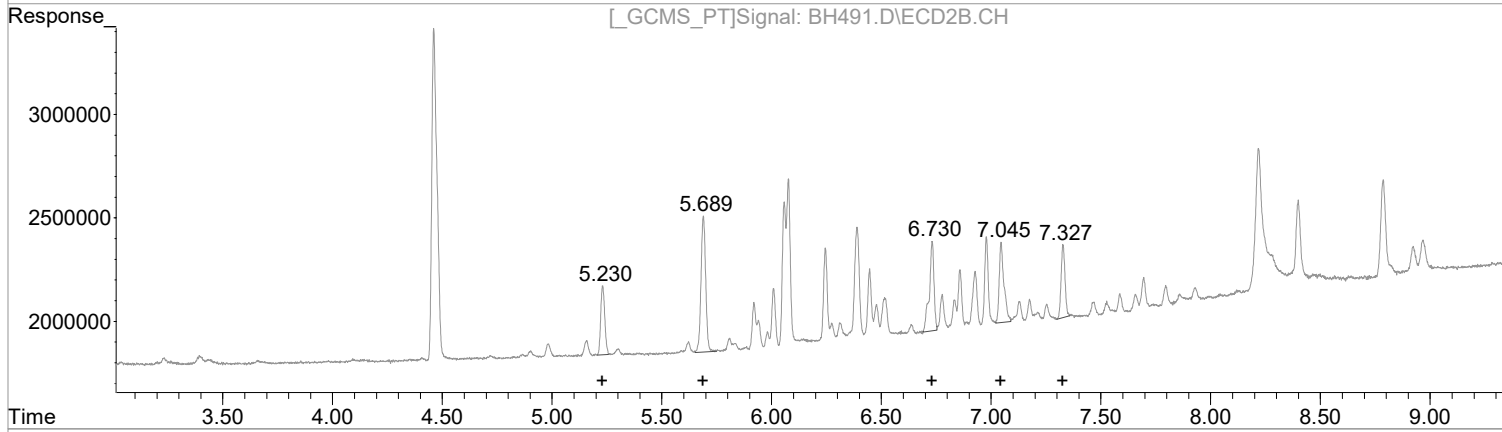
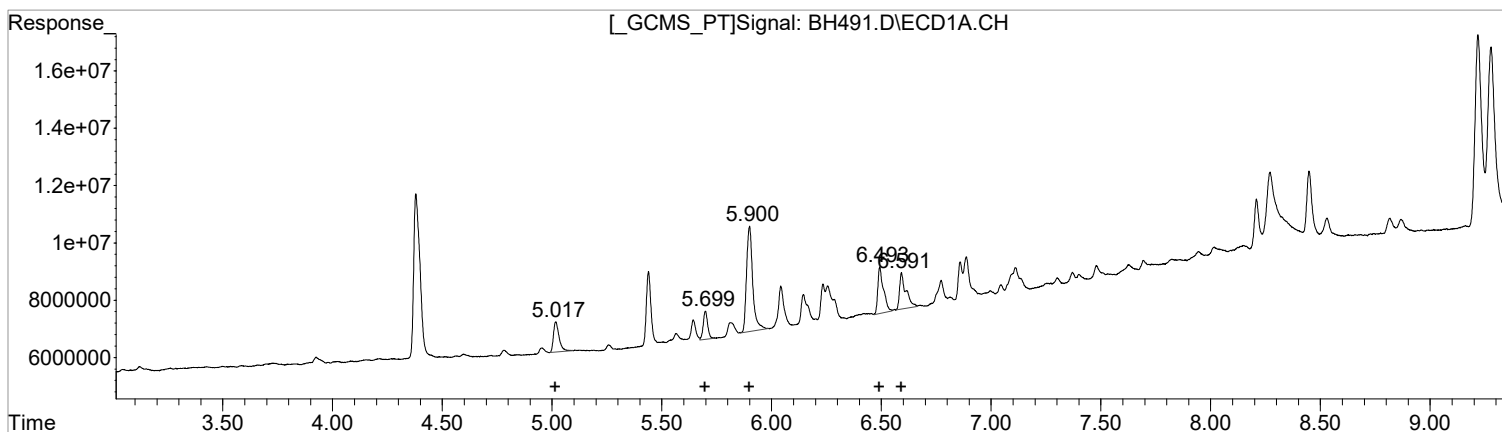
(18) PCB 1242 #2 (L4c)

R.T.	Response	Conc
5.23	4434985	26.07
5.69	9690731	25.44
6.73	6787117	24.70
7.05	6501005	24.89
7.33	4322188	22.40

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH491.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:42 am
 Operator :
 Sample : 1242/68 LL
 Misc : INITIAL CAL.
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:05 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(18) PCB 1242 (L4c)		
R.T.	Response	Conc
5.02	18613529	22.81
5.70	13852864	20.22
5.90	71532906	22.49
6.49	29071875	21.68
6.59	25619095	20.28

(18) PCB 1242 #2 (L4c)		
R.T.	Response	Conc
5.23	4265939	25.08
5.69	9690731	25.44
6.73	6413847	23.34
7.04	5793763	22.19
7.33	4322188	22.40

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH490.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:22 am
 Operator :
 Sample : 1232 H
 Misc : INITIAL CAL.
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:13:02 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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System Monitoring Compounds

1) S SURR1, TCMX	4.379	4.461	5670.5E6	1122.3E6	95.065	87.810
Spiked Amount	100.000	Range	30 - 150	Recovery	= 95.06%	87.81%
2) S SURR2, Dec...	10.994	11.958	4513.0E6	759.6E6	79.590	77.059
Spiked Amount	100.000	Range	30 - 150	Recovery	= 79.59%	77.06%

Target Compounds

Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000

13) L3c PCB 1232	5.013	5.156	1077.9E6	57110072	945.886	758.335
14) L3c PCB 1232{2}	5.439	5.230	879.4E6	195.1E6	900.996	815.426
15) L3c PCB 1232{3}	5.897	5.689	1603.3E6	196.4E6	934.550	850.592
16) L3c PCB 1232{4}	6.041	6.979	684.8E6	91639532	905.584	831.829
17) L3c PCB 1232{5}	6.493	7.045	613.4E6	117.3E6	935.341	814.670
Sum PCB 1232			4858.8E6	657.6E6	4622.357	4070.853
Average PCB 1232					924.471	814.171

Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000

Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000

Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000

Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000

Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000

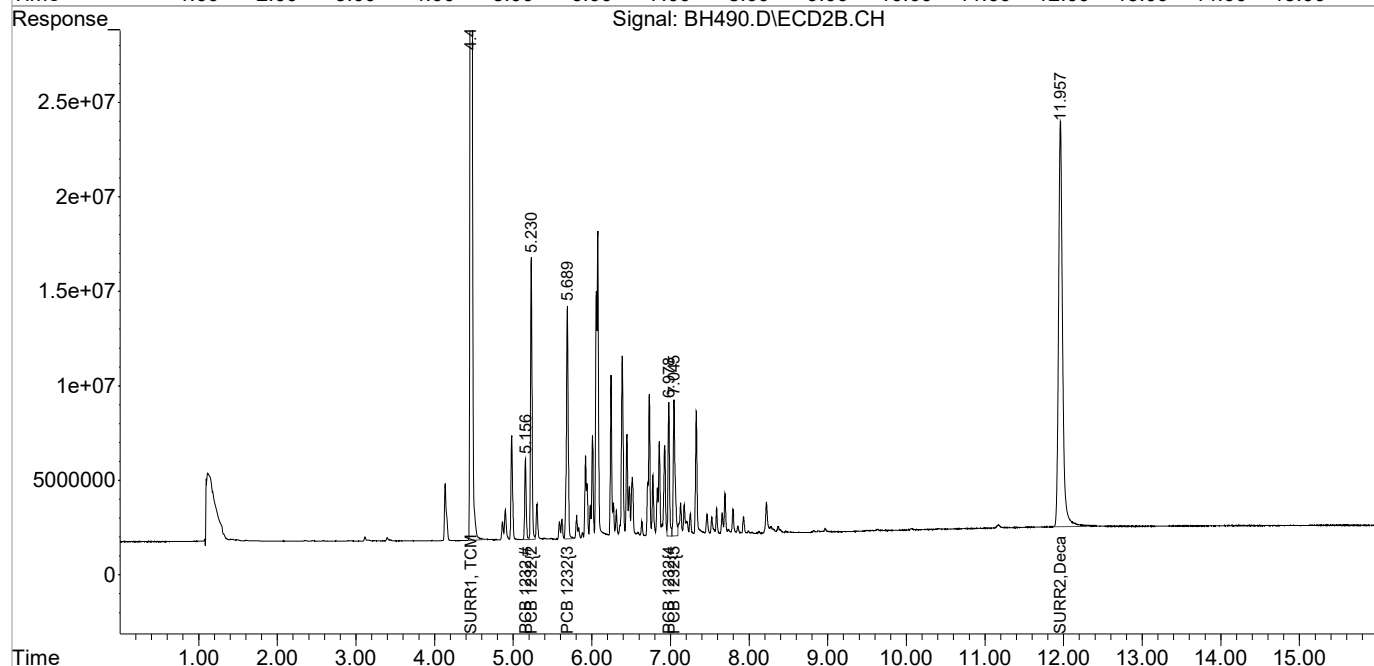
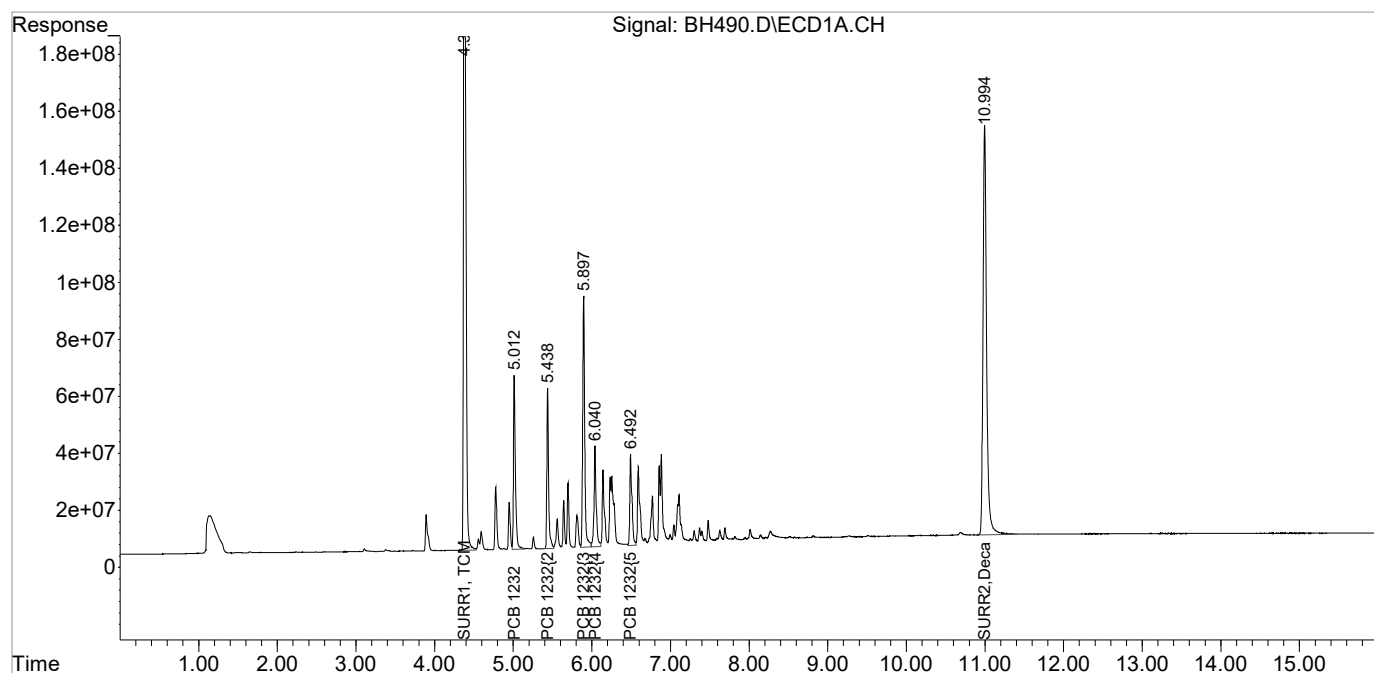
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH490.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:22 am
Operator :
Sample : 1232 H
Misc : INITIAL CAL.
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:13:02 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH489.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 6:02 am
 Operator :
 Sample : 1232 MH
 Misc : INITIAL CAL.
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:59 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

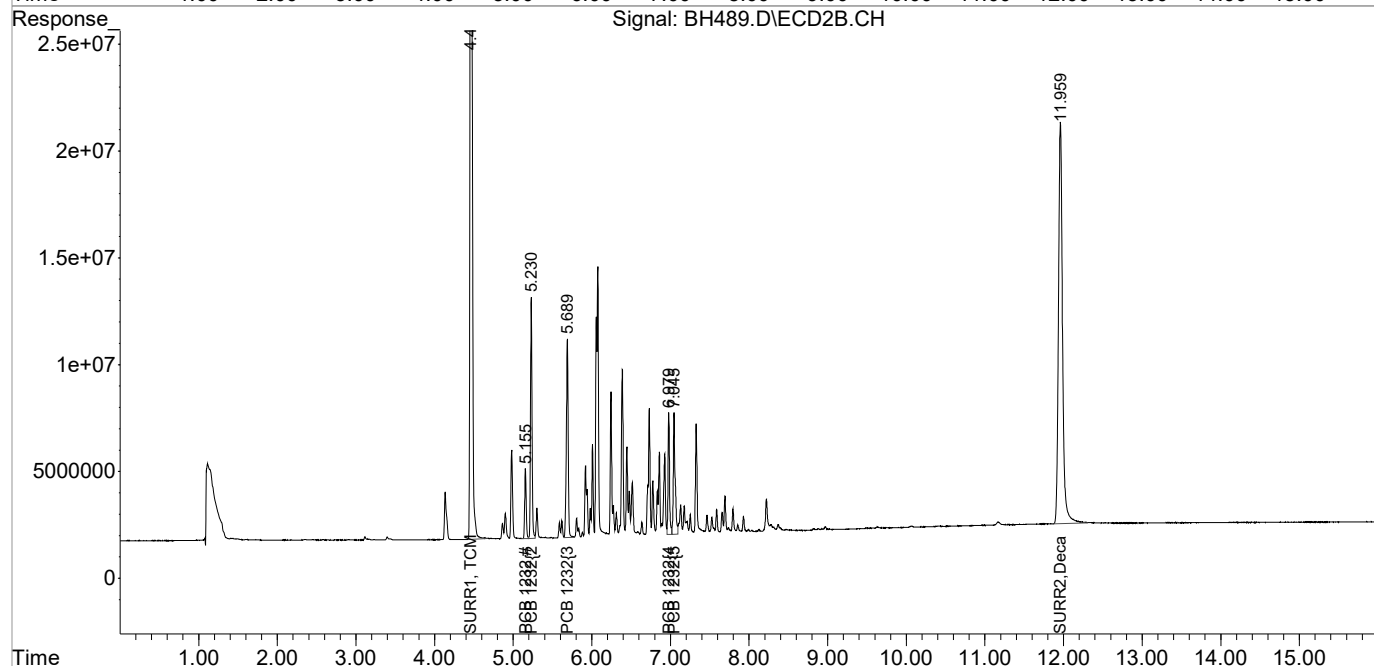
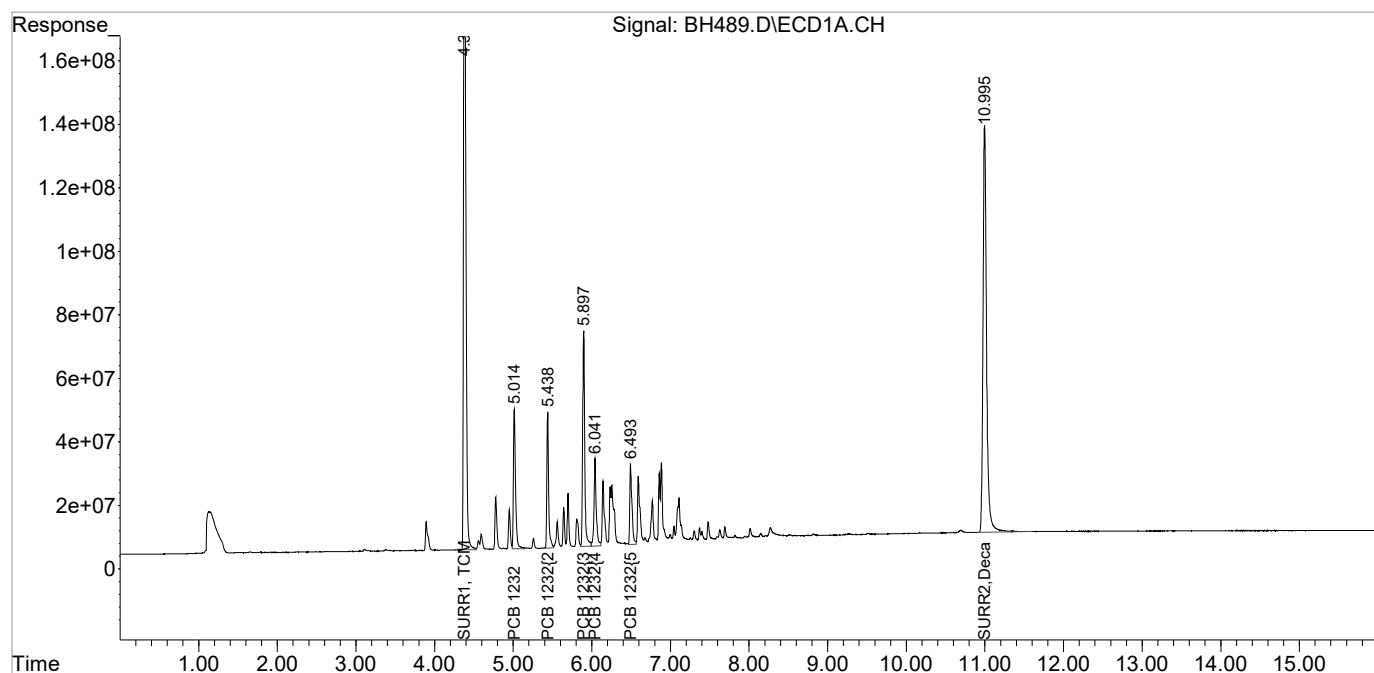
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.461	4541.3E6	907.6E6	76.134	71.010
Spiked Amount	100.000	Range	30 - 150	Recovery =	76.13%	71.01%
2) S SURR2, Dec...	10.995	11.959	4039.0E6	678.6E6	71.230	68.840
Spiked Amount	100.000	Range	30 - 150	Recovery =	71.23%	68.84%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.014	5.156	823.8E6	44098615	722.887	585.563
14) L3c PCB 1232{2}	5.439	5.230	671.5E6	151.5E6	687.962	633.265
15) L3c PCB 1232{3}	5.897	5.689	1248.7E6	152.3E6	727.843	659.770
16) L3c PCB 1232{4}	6.041	6.979	533.2E6	73694834	705.120	668.941
17) L3c PCB 1232{5}	6.493	7.046	478.5E6	94639179	729.539	657.109
Sum PCB 1232			3755.5E6	516.3E6	3573.351	3204.647
Average PCB 1232					714.670	640.929
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH489.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 6:02 am
Operator :
Sample : 1232 MH
Misc : INITIAL CAL.
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:59 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH488.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:41 am
 Operator :
 Sample : 1232 M
 Misc : INITIAL CAL.
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:56 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

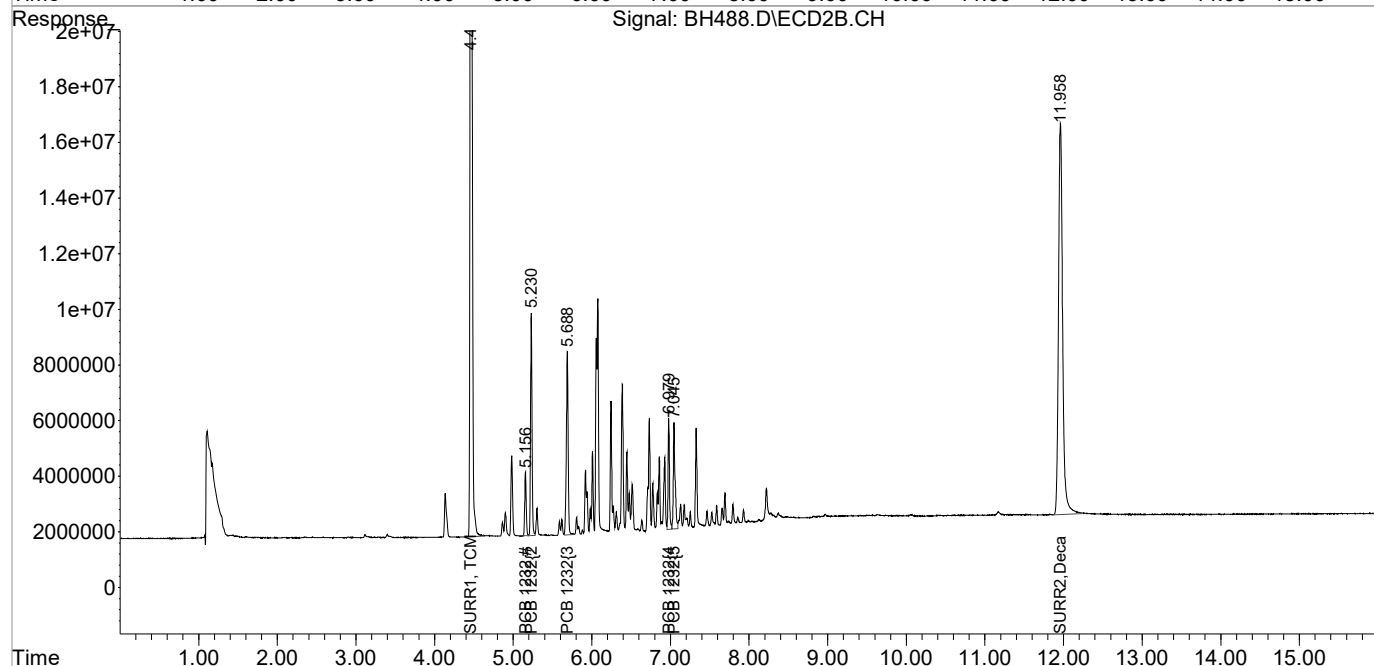
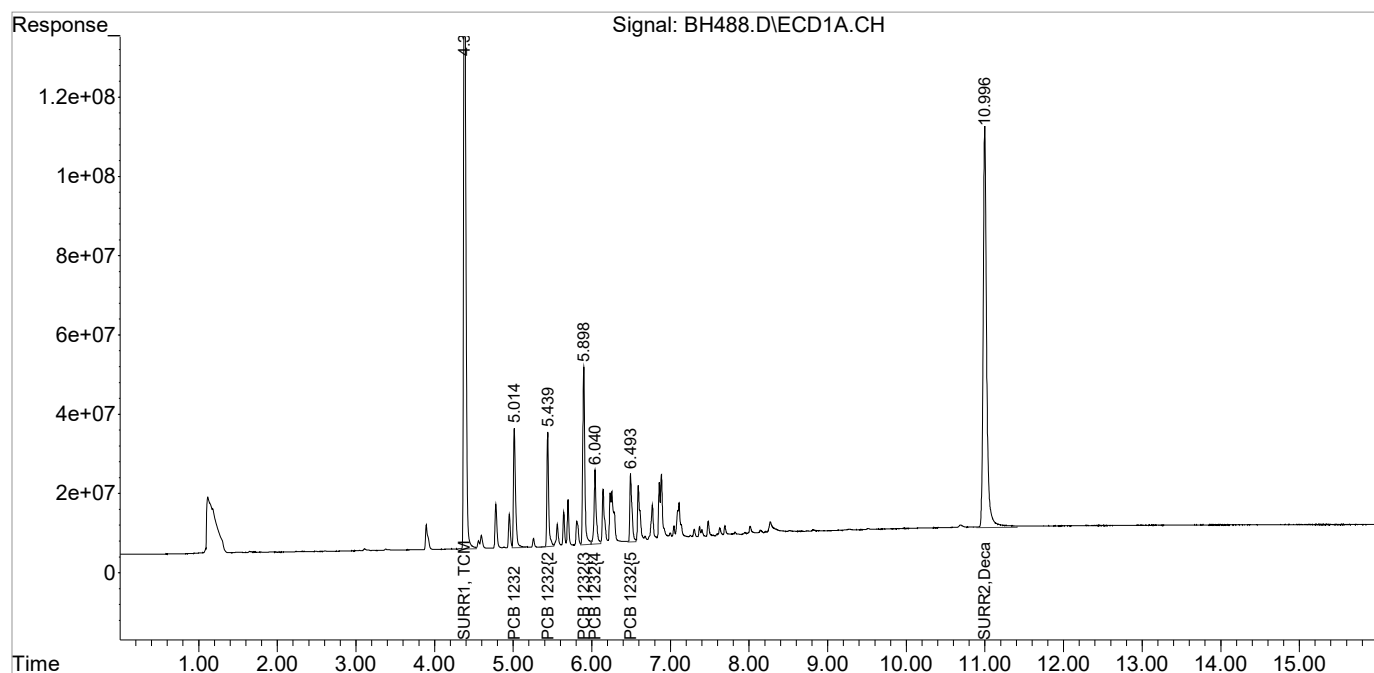
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.462	3412.9E6	691.7E6	57.218	54.115
Spiked Amount	100.000	Range	30 - 150	Recovery	= 57.22%	54.12%
2) S SURR2, Dec...	10.997	11.959	3133.1E6	515.0E6	55.254	52.243
Spiked Amount	100.000	Range	30 - 150	Recovery	= 55.25%	52.24%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.015	5.156	560.3E6	30280375	491.717	402.077
14) L3c PCB 1232{2}	5.439	5.230	454.5E6	104.5E6	465.643	436.531
15) L3c PCB 1232{3}	5.898	5.689	833.3E6	105.2E6	485.700	455.500
16) L3c PCB 1232{4}	6.041	6.979	357.0E6	48385529	472.188	439.204
17) L3c PCB 1232{5}	6.494	7.045	318.1E6	61670342	485.070	428.196
Sum PCB 1232			2523.2E6	350.0E6	2400.318	2161.508
Average PCB 1232					480.064	432.302
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH488.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:41 am
Operator :
Sample : 1232 M
Misc : INITIAL CAL.
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:56 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH487.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:21 am
 Operator :
 Sample : 1232 ML
 Misc : INITIAL CAL.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:53 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

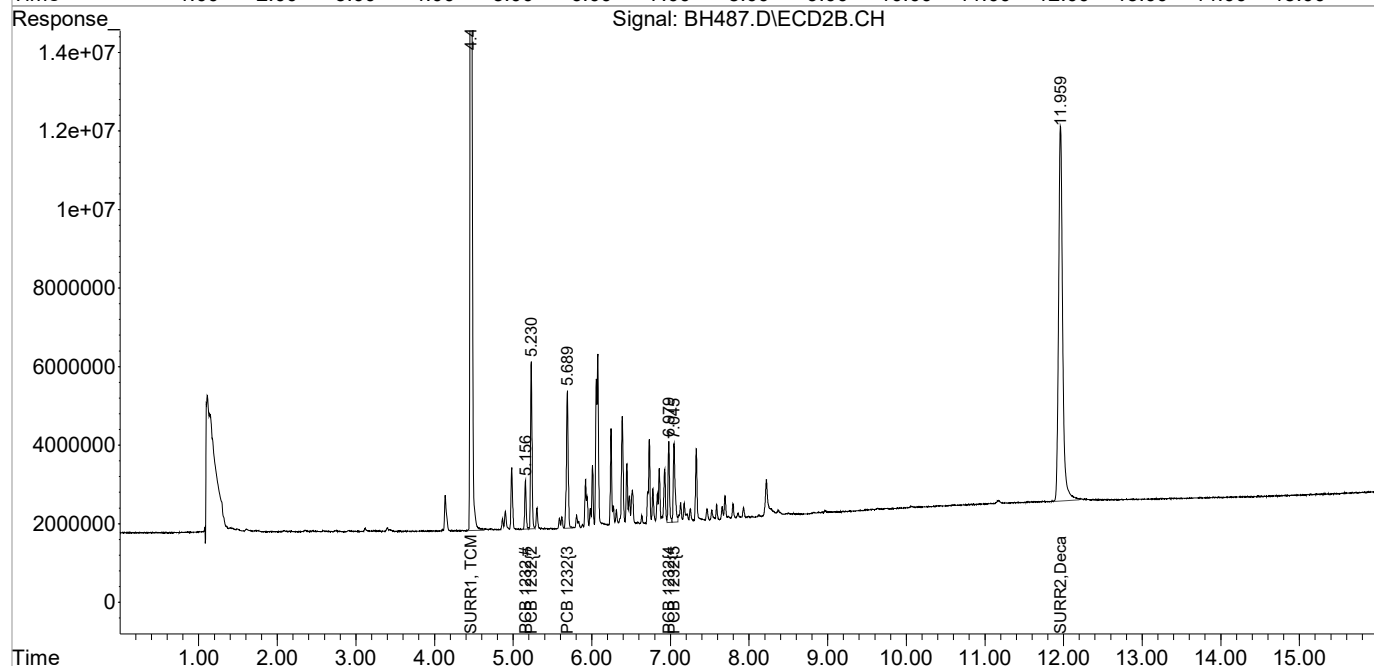
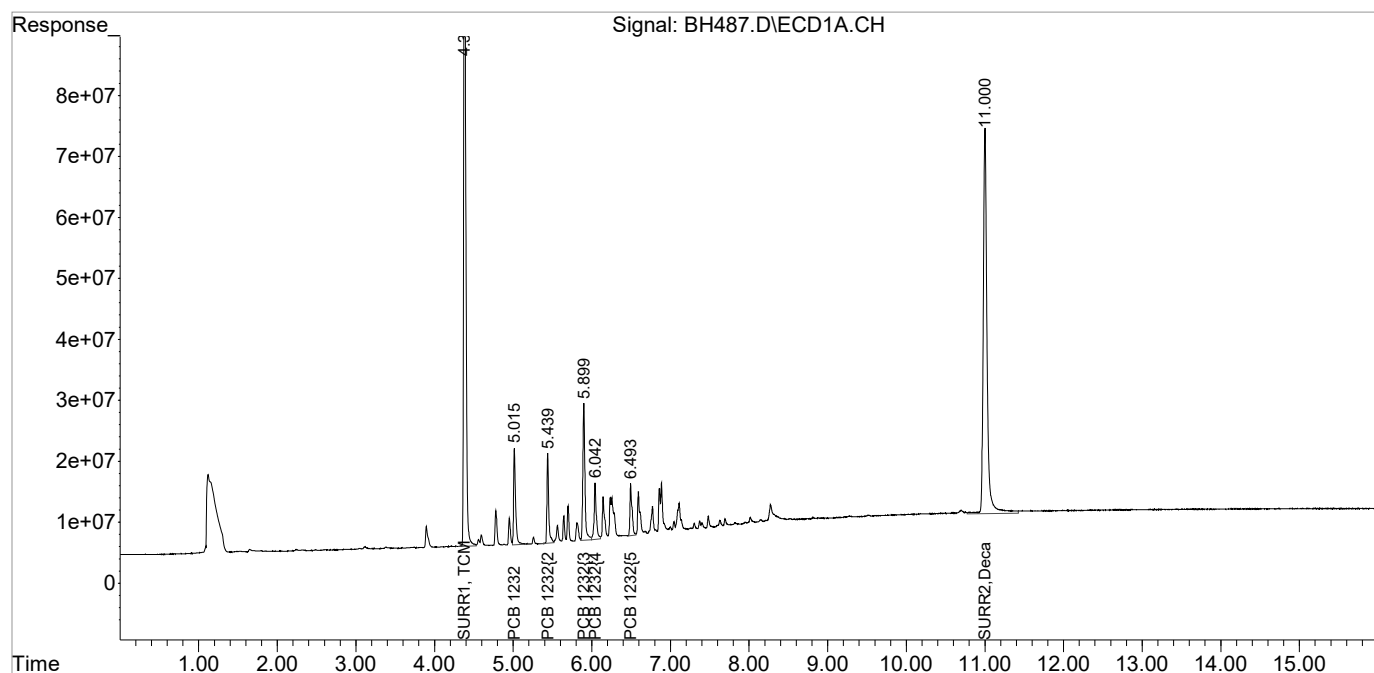
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.463	2236.3E6	464.3E6	37.491	36.328
Spiked Amount	100.000	Range	30 - 150	Recovery	= 37.49%	36.33%
2) S SURR2, Dec...	10.999	11.959	2119.2E6	341.4E6	37.374	34.630
Spiked Amount	100.000	Range	30 - 150	Recovery	= 37.37%	34.63%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.016	5.156	289.4E6	16007687	253.950	212.558
14) L3c PCB 1232{2}	5.440	5.230	232.8E6	55204822	238.551	230.700
15) L3c PCB 1232{3}	5.899	5.690	423.4E6	55597849	246.773	240.787
16) L3c PCB 1232{4}	6.043	6.979	182.0E6	25809007	240.754	234.273
17) L3c PCB 1232{5}	6.493	7.046	157.8E6	32982559	240.603m	229.008
Sum PCB 1232			1285.4E6	185.6E6	1220.631	1147.326
Average PCB 1232					244.126	229.465
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:21 am
Operator :
Sample : 1232 ML
Misc : INITIAL CAL.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:53 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

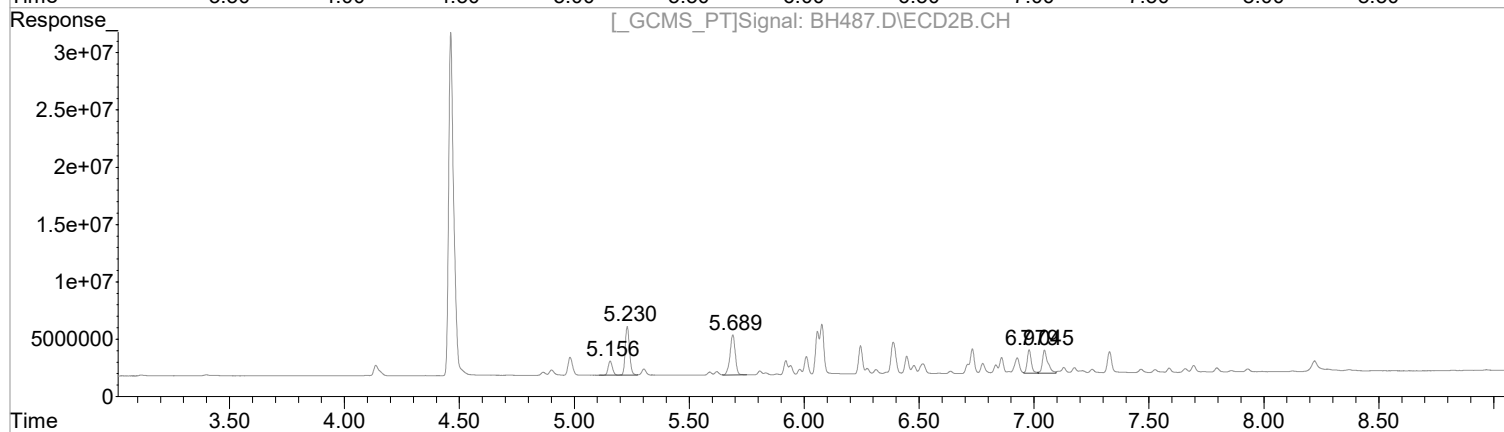
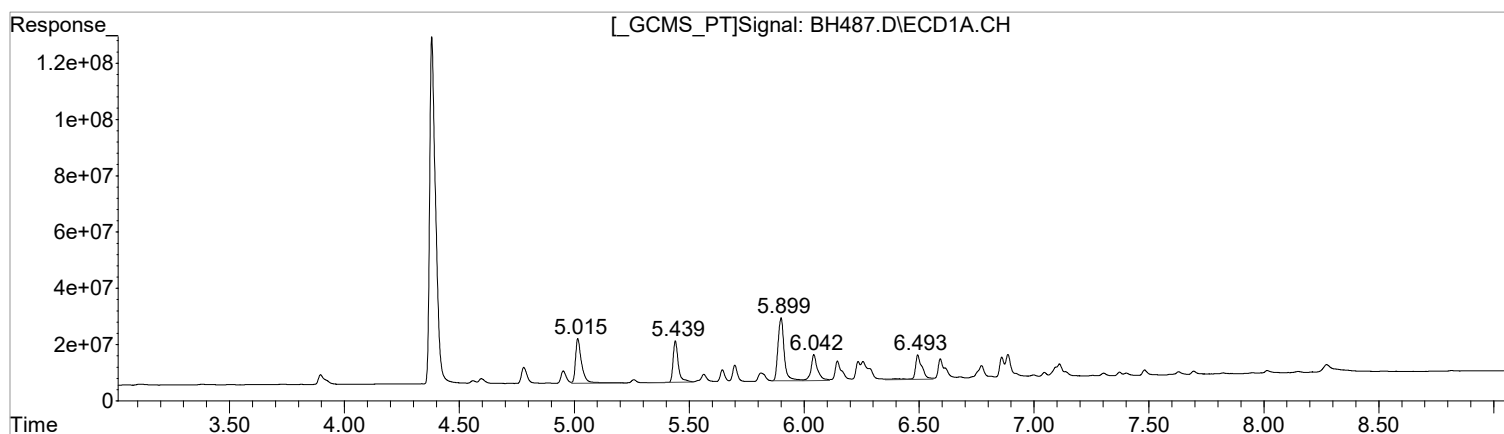
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH487.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:21 am
 Operator :
 Sample : 1232 ML
 Misc : INITIAL CAL.
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:53 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	289386685	253.95
5.44	232830120	238.55
5.90	423360772	246.77
6.04	182044280	240.75
6.50	177898685	271.25

Manual Integration:
 Before
 04/22/19

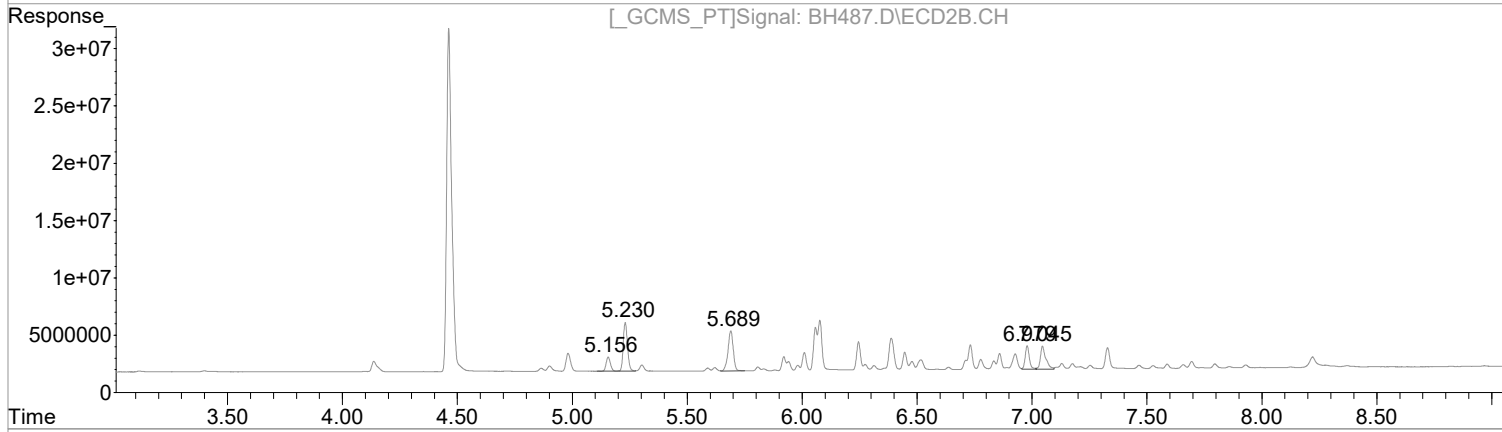
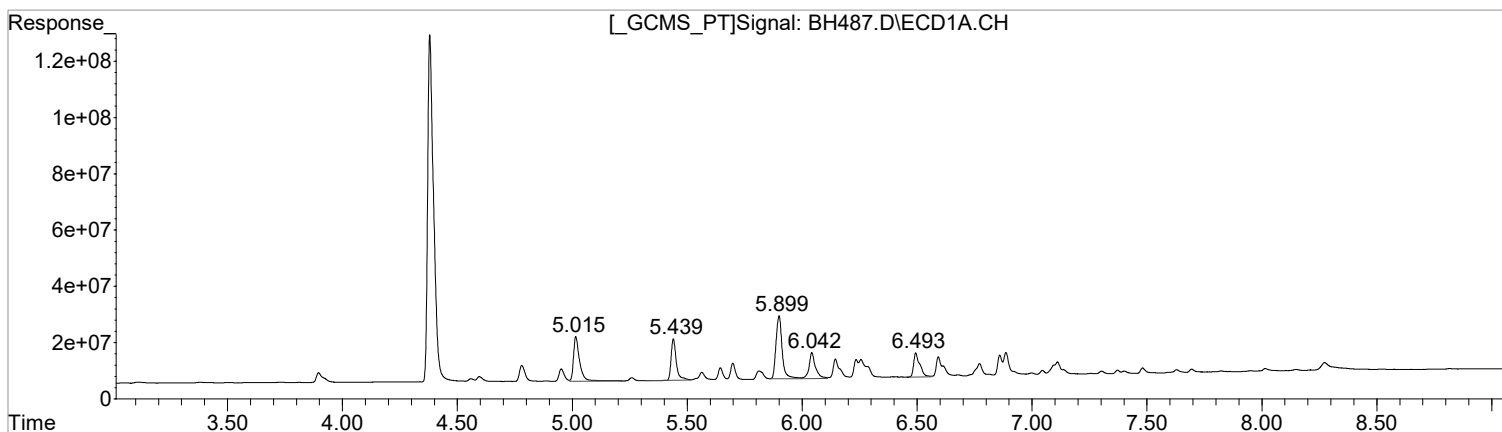
(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	16007687	212.56
5.23	55204822	230.70
5.69	55597849	240.79
6.98	25809007	234.27
7.05	32982559	229.01

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:21 am
Operator :
Sample : 1232 ML
Misc : INITIAL CAL.
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:53 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	289386685	253.95
5.44	232830120	238.55
5.90	423360772	246.77
6.04	182044280	240.75
6.49	157799209	240.60

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	16007687	212.56
5.23	55204822	230.70
5.69	55597849	240.79
6.98	25809007	234.27
7.05	32982559	229.01

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH486.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:00 am
 Operator :
 Sample : 1232 L
 Misc : INITIAL CAL.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:50 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

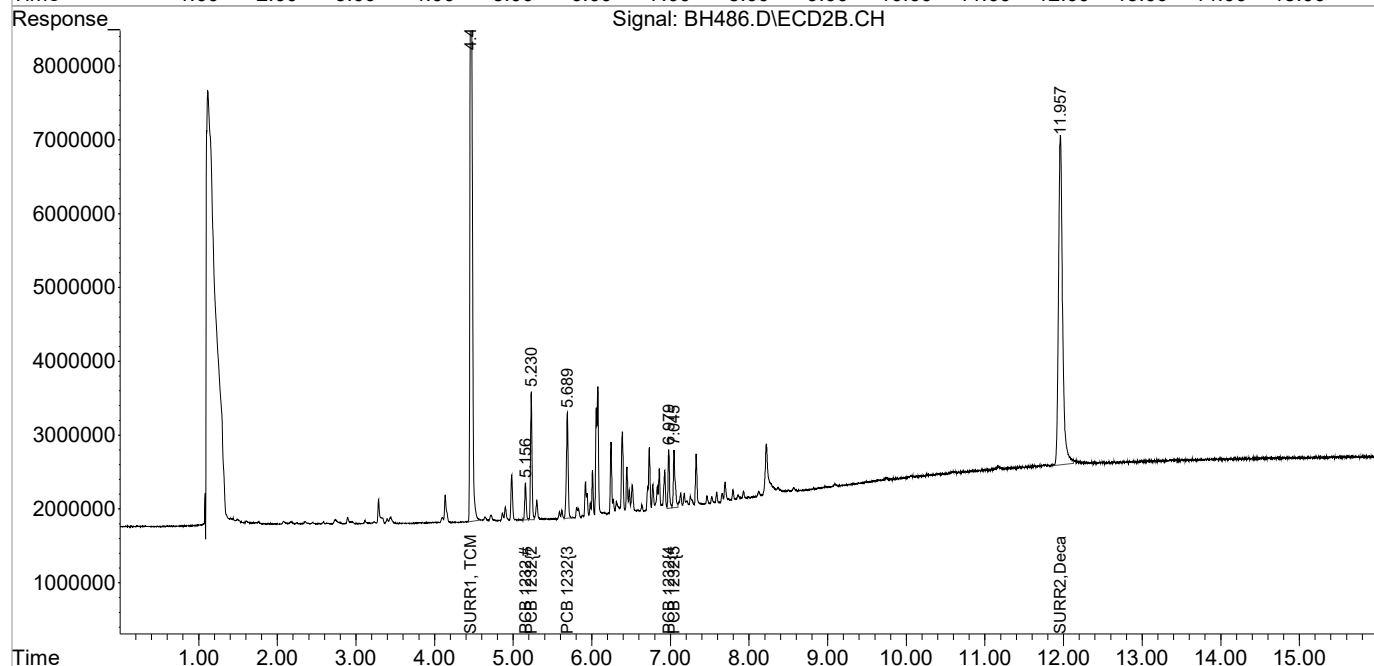
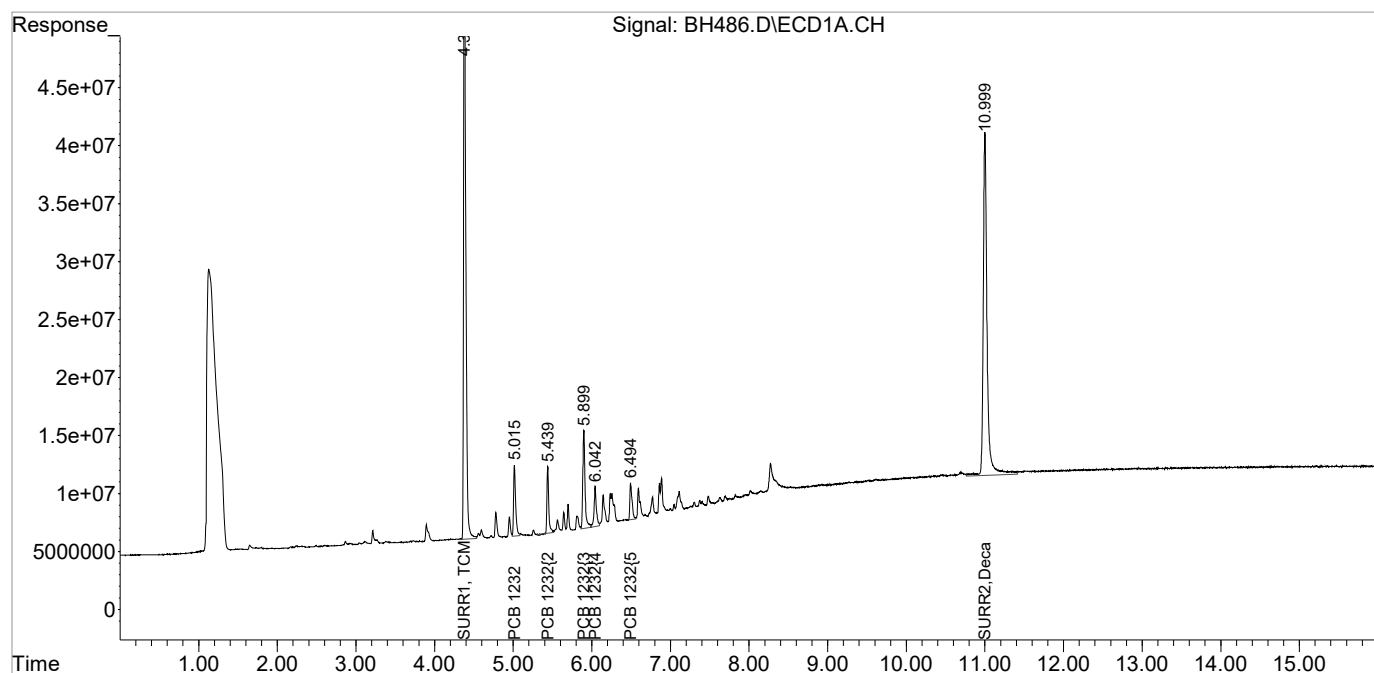
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	1042.3E6	220.8E6	17.475	17.275
Spiked Amount	100.000	Range	30 - 150	Recovery	= 17.48%#	17.27%#
2) S SURR2,Dec...	10.999	11.959	1003.2E6	160.6E6	17.691	16.289
Spiked Amount	100.000	Range	30 - 150	Recovery	= 17.69%#	16.29%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.016	5.156	111.0E6	6705323	97.384	89.037
14) L3c PCB 1232{2}	5.440	5.230	91219591	22610849	93.461	94.490
15) L3c PCB 1232{3}	5.899	5.689	167.3E6	22468960	97.499	97.310
16) L3c PCB 1232{4}	6.043	6.979	70166584	10079363	92.795	91.492
17) L3c PCB 1232{5}	6.494	7.046	60827455	12559357	92.746m	87.203
Sum PCB 1232			500.5E6	74423853	473.886	459.533
Average PCB 1232					94.777	91.907
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH486.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 5:00 am
Operator :
Sample : 1232 L
Misc : INITIAL CAL.
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:50 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

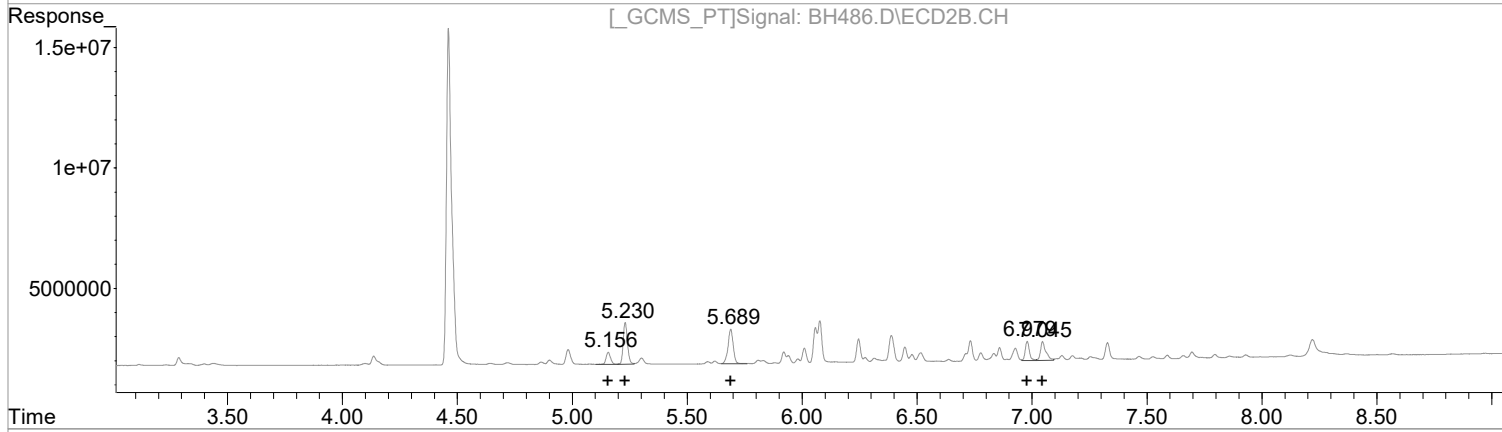
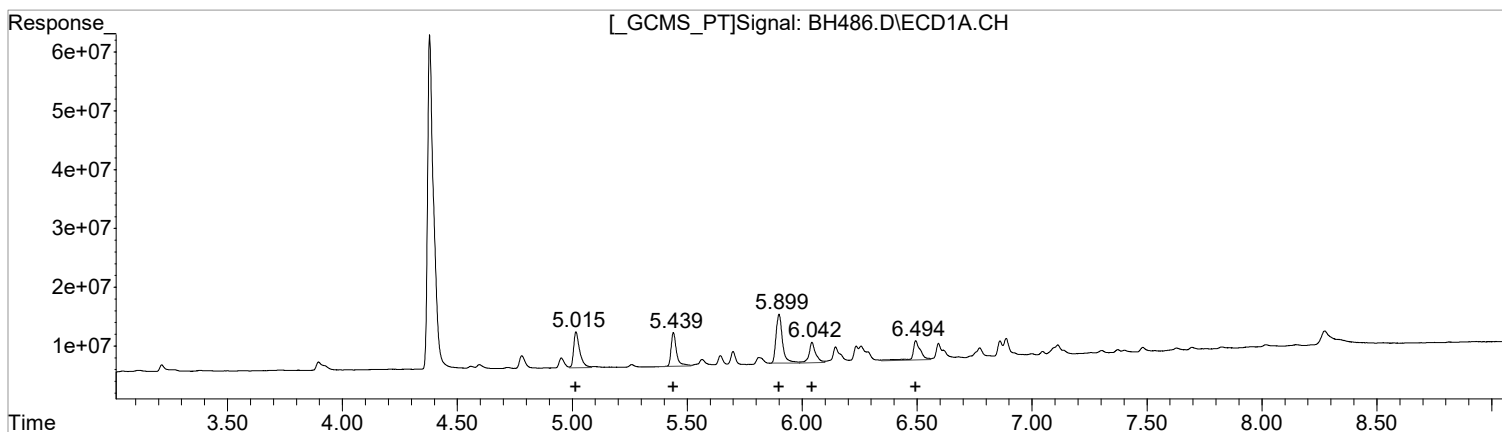
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH486.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:00 am
 Operator :
 Sample : 1232 L
 Misc : INITIAL CAL.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:50 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	110973366	97.38
5.44	91219591	93.46
5.90	167268147	97.50
6.04	70166584	92.80
6.49	76345874	116.41

Manual Integration:
 Before
 04/22/19

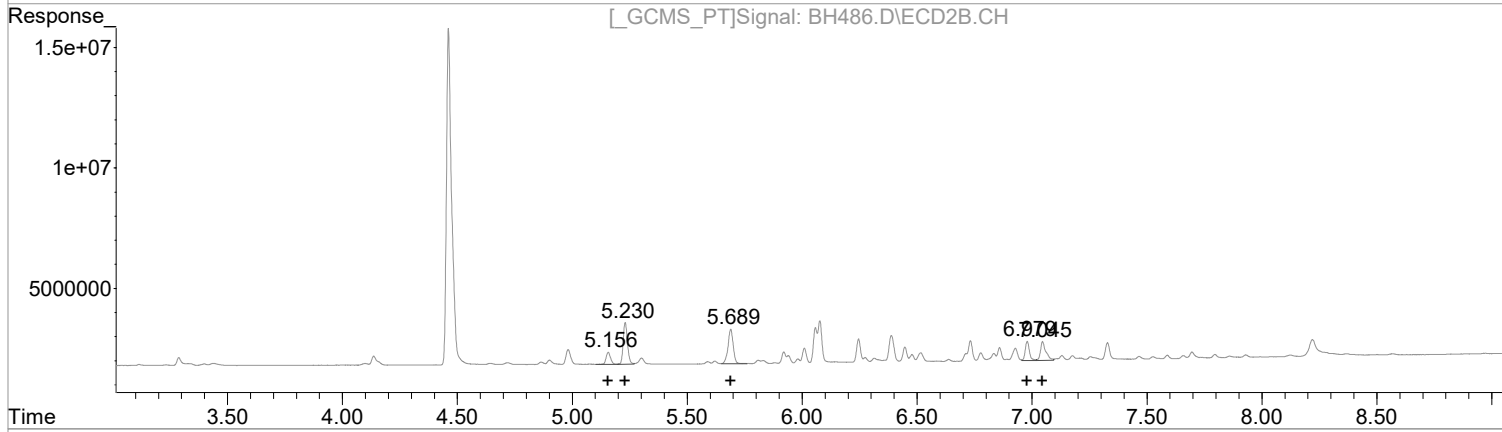
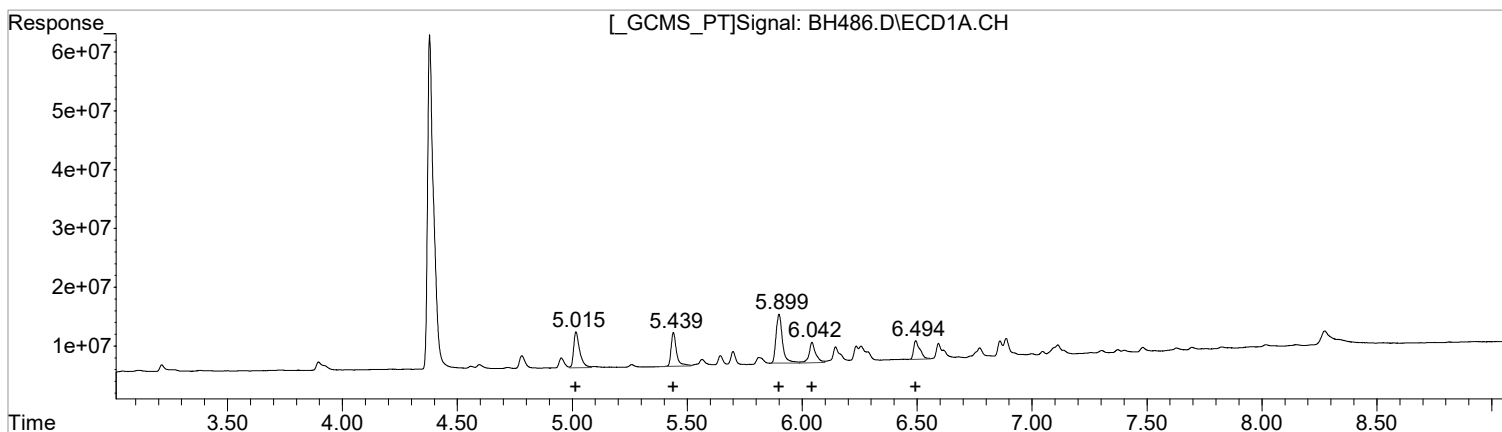
(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	6705323	89.04
5.23	22610849	94.49
5.69	22468960	97.31
6.98	10079363	91.49
7.05	12559357	87.20

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH486.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 5:00 am
 Operator :
 Sample : 1232 L
 Misc : INITIAL CAL.
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:50 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	110973366	97.38
5.44	91219591	93.46
5.90	167268147	97.50
6.04	70166584	92.80
6.49	60827455	92.75

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	6705323	89.04
5.23	22610849	94.49
5.69	22468960	97.31
6.98	10079363	91.49
7.05	12559357	87.20

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH485.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 4:40 am
 Operator :
 Sample : 1232 LL
 Misc : INITIAL CAL.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:47 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

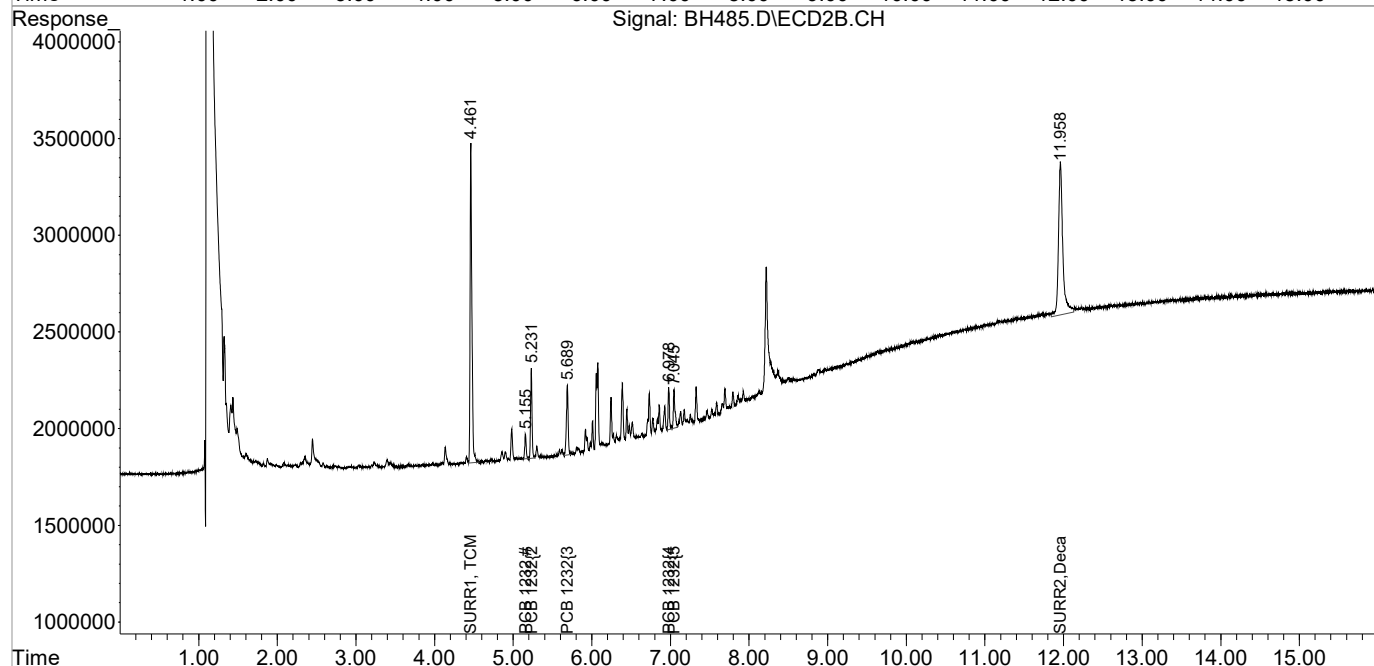
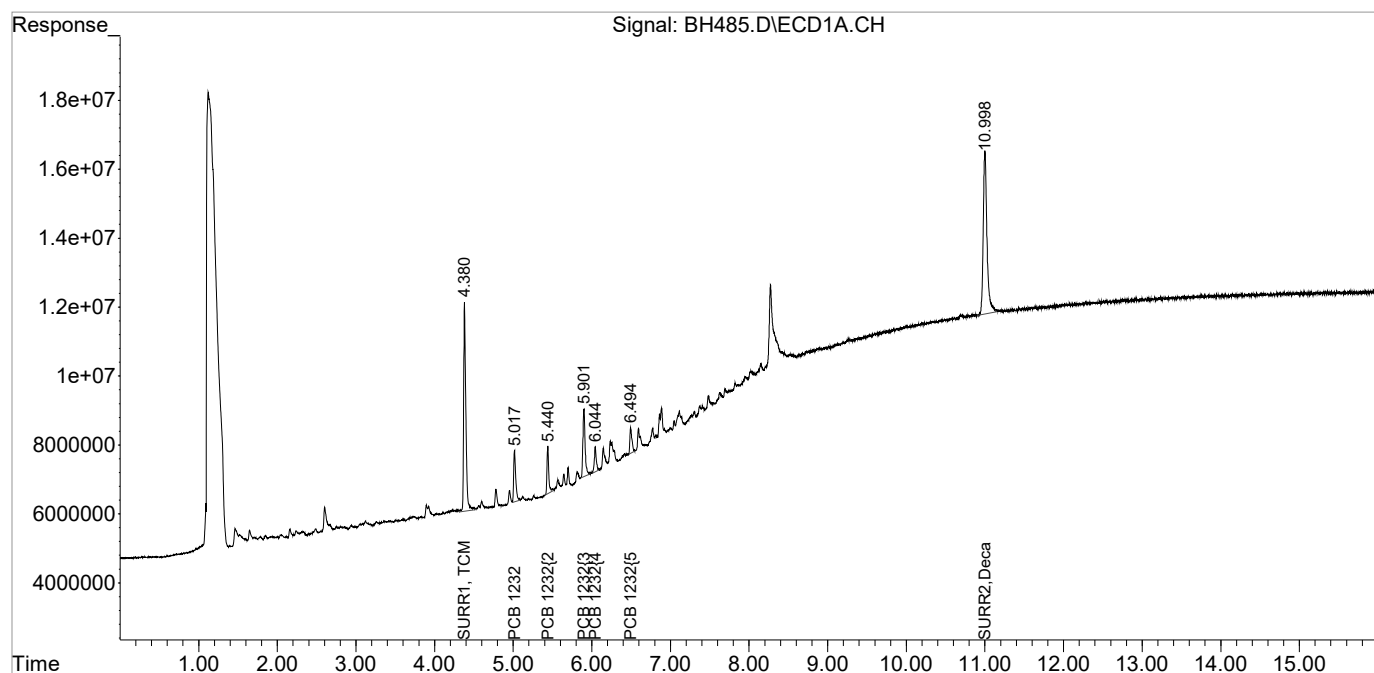
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.461	117.4E6	26225562	1.968	2.052
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.97%#	2.05%#
2) S SURR2, Dec...	10.999	11.959	156.3E6	30146196	2.757	3.058
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.76%#	3.06%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
13) L3c PCB 1232	5.017	5.155	26573626	1643533	23.320m	21.824m
14) L3c PCB 1232{2}	5.440	5.231	21808936	5900270	22.345m	24.657
15) L3c PCB 1232{3}	5.901	5.689	38460935	5735701	22.418m	24.841
16) L3c PCB 1232{4}	6.044	6.979	12490044	2575609	16.518m	23.379 #
17) L3c PCB 1232{5}	6.494	7.045	13143394	3080873	20.040m	21.391
Sum PCB 1232			112.5E6	18935986	104.641	116.092
Average PCB 1232					20.928	23.218
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:40 am
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:47 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

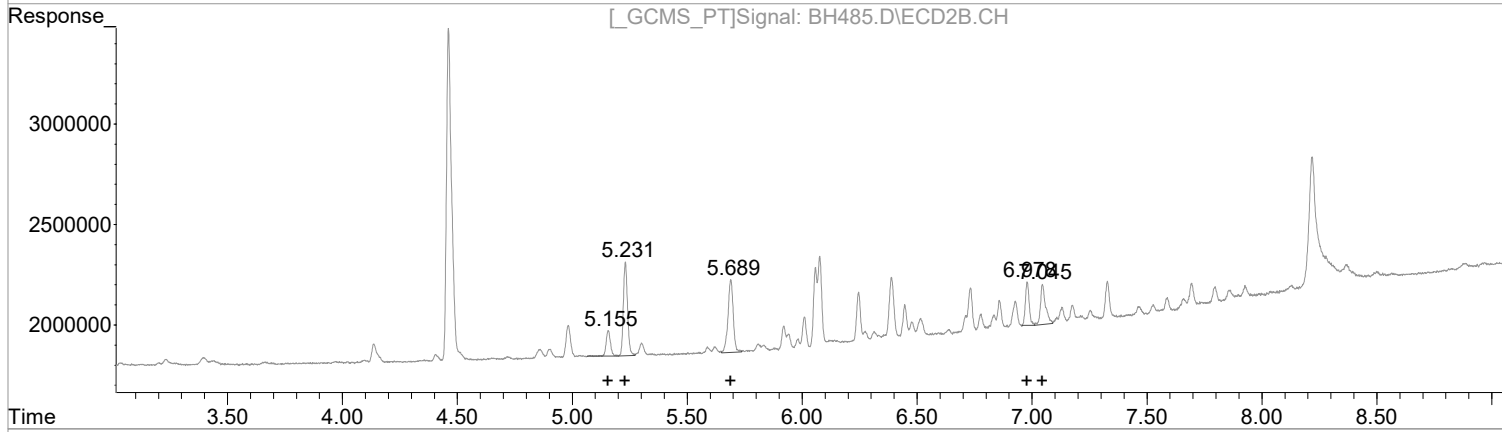
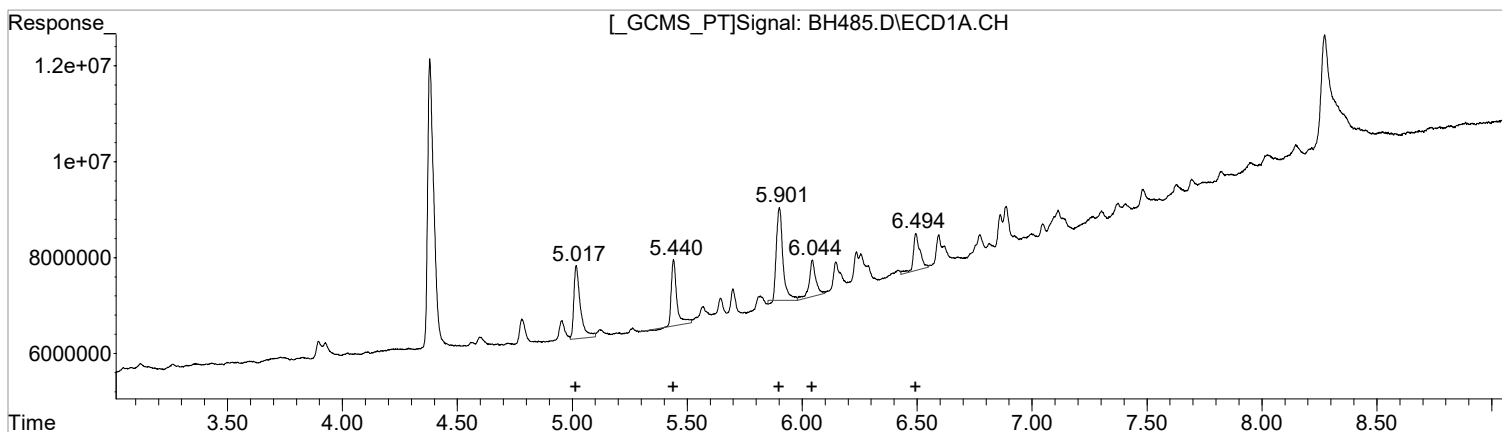
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH485.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:40 am
Operator :
Sample : 1232 LL
Misc : INITIAL CAL.
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:47 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	30112120	26.42
5.44	22106501	22.65
5.90	43632830	25.43
6.04	15477997	20.47
6.49	15570745	23.74

Manual Integration:
Before
04/22/19

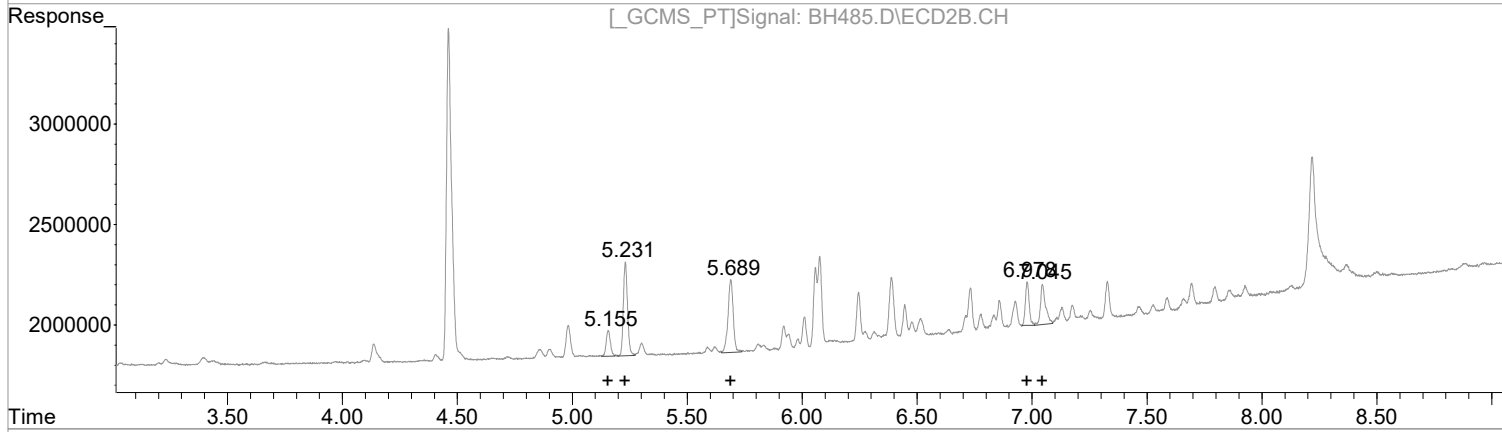
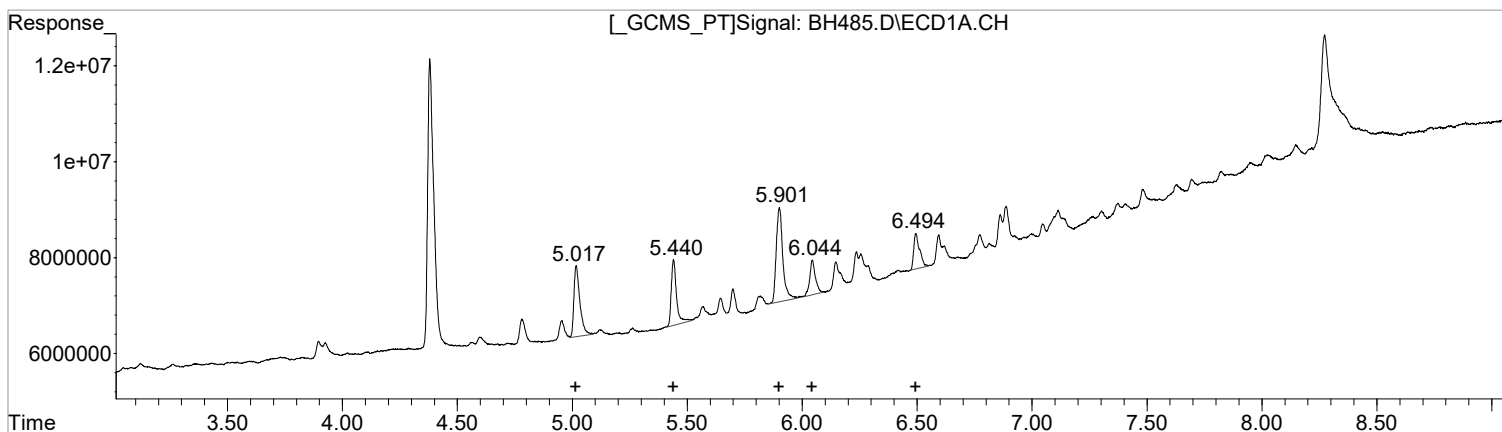
(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	1790960	23.78
5.23	5900270	24.66
5.69	5735701	24.84
6.98	2575609	23.38
7.05	3080873	21.39

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH485.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 4:40 am
 Operator :
 Sample : 1232 LL
 Misc : INITIAL CAL.
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:47 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(13) PCB 1232 (L3c)

R.T.	Response	Conc
5.02	26573626	23.32
5.44	21808936	22.34
5.90	38460935	22.42
6.04	12490044	16.52
6.49	13143394	20.04

(13) PCB 1232 #2 (L3c)

R.T.	Response	Conc
5.16	1643533	21.82
5.23	5900270	24.66
5.69	5735701	24.84
6.98	2575609	23.38
7.05	3080873	21.39

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH484.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 4:20 am
 Operator :
 Sample : 1221/54 H
 Misc : INITIAL CAL.
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:44 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

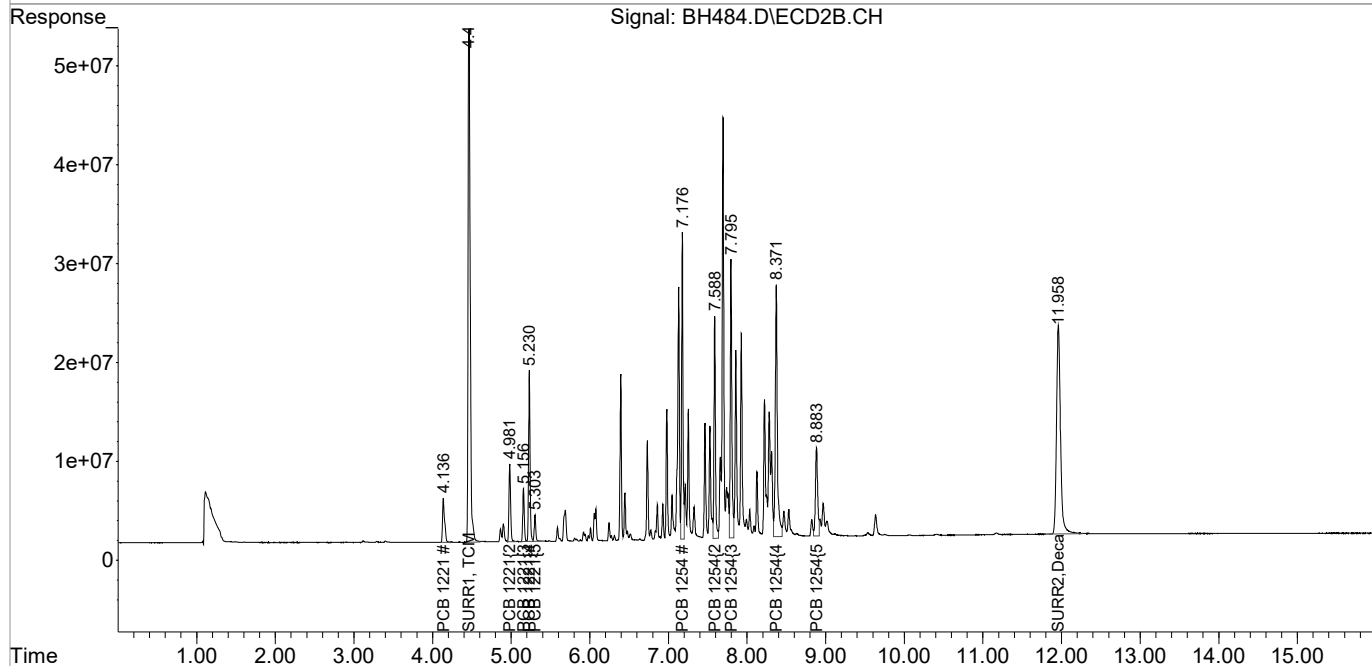
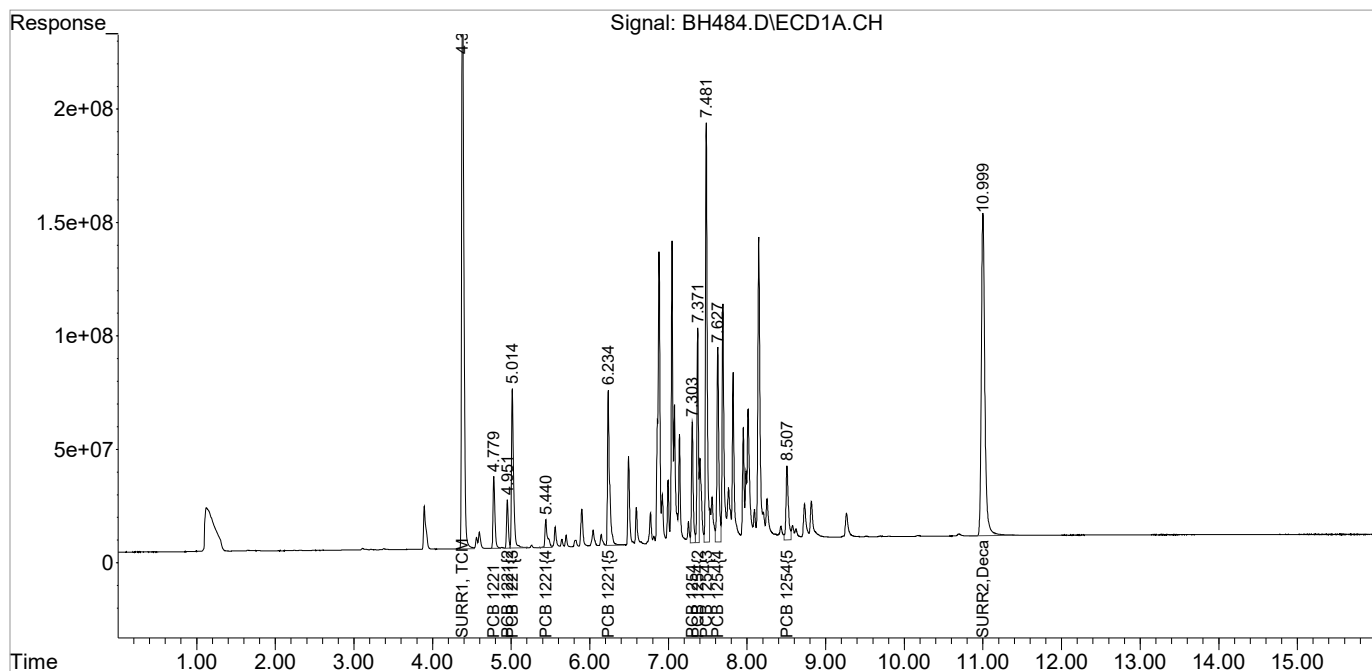
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5266.5E6	1053.4E6	88.292	82.415
Spiked Amount	100.000	Range	30 - 150	Recovery	= 88.29%	82.42%
2) S SURR2, Dec...	10.999	11.958	4428.2E6	746.4E6	78.095	75.720
Spiked Amount	100.000	Range	30 - 150	Recovery	= 78.09%	75.72%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.137	535.7E6	81304021	874.128	714.842
9) L2c PCB 1221{2}	4.952	4.982	331.9E6	114.1E6	849.109	826.058
10) L2c PCB 1221{3}	5.015	5.156	1287.8E6	74095262	882.340	767.951
11) L2c PCB 1221{4}	5.441	5.231	264.4E6	224.5E6	922.297	789.350
12) L2c PCB 1221{5}	6.235	5.303	1254.5E6	37119937	880.589	838.888
Sum PCB 1221			3674.1E6	531.1E6	4408.463	3937.089
Average PCB 1221					881.693	787.418
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.177	788.0E6	376.8E6	902.151	800.974
29) L6c PCB 1254{2}	7.372	7.588	1235.2E6	287.7E6	919.254	899.361
30) L6c PCB 1254{3}	7.481	7.795	2717.7E6	391.9E6	968.795m	810.423
31) L6c PCB 1254{4}	7.628	8.372	1415.8E6	463.9E6	863.141	773.829
32) L6c PCB 1254{5}	8.507	8.883	695.7E6	178.0E6	790.814	832.044
Sum PCB 1254			6852.4E6	1698.4E6	4444.156	4116.631
Average PCB 1254					888.831	823.326
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

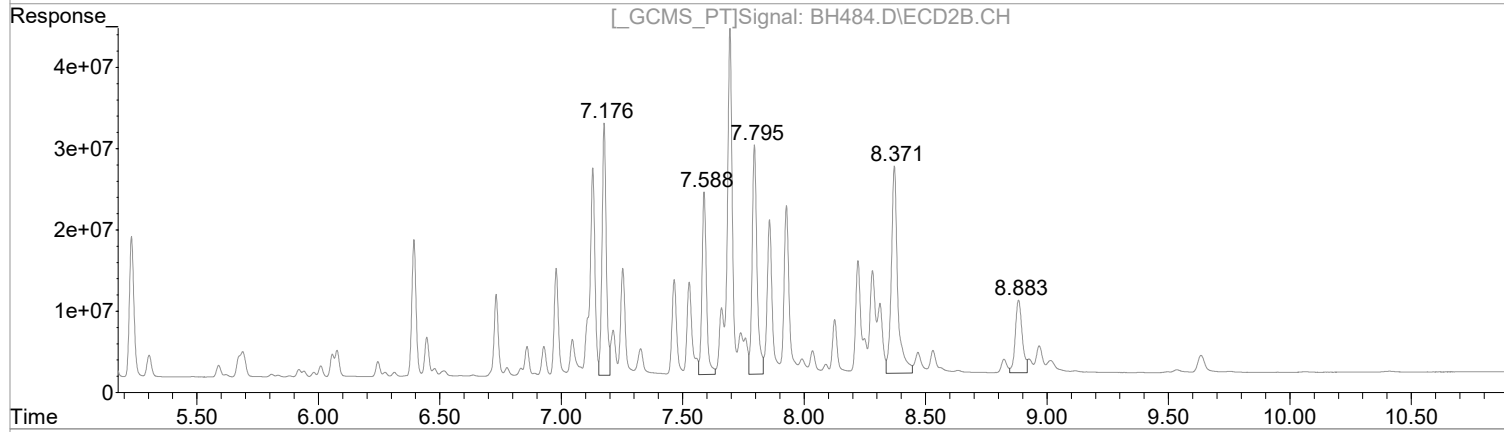
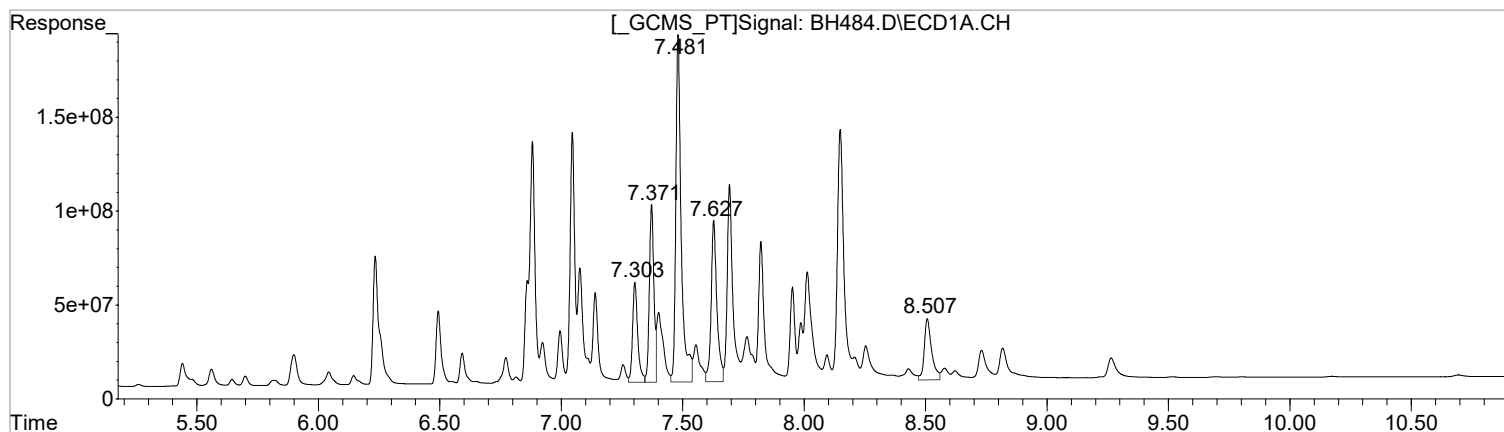
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	788024323	902.15
7.37	1235231381	919.25
7.48	2866682791	1021.89
7.63	1415767043	863.14
8.51	695676768	790.81

Manual Integration:
Before
04/22/19

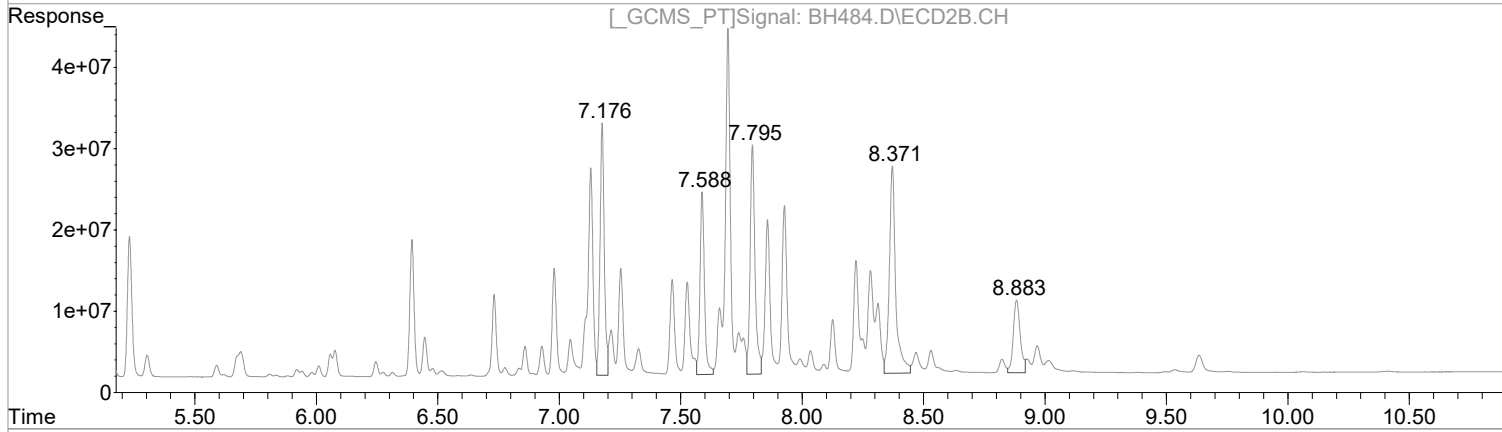
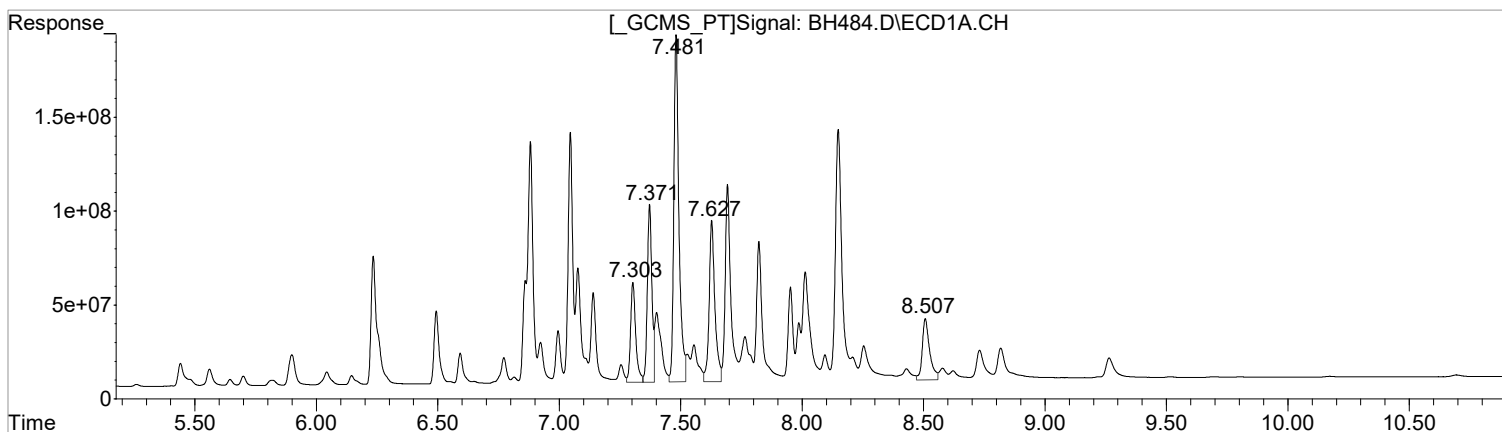
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	376785235	800.97
7.59	287720408	899.36
7.80	391945999	810.42
8.37	463915203	773.83
8.88	177994042	832.04

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH484.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 4:20 am
Operator :
Sample : 1221/54 H
Misc : INITIAL CAL.
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:44 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	788024323	902.15
7.37	1235231381	919.25
7.48	2717735658	968.79
7.63	1415767043	863.14
8.51	695676768	790.81

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	376785235	800.97
7.59	287720408	899.36
7.80	391945999	810.42
8.37	463915203	773.83
8.88	177994042	832.04

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH483.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:59 am
 Operator :
 Sample : 1221/54 MH
 Misc : INITIAL CAL.
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:41 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

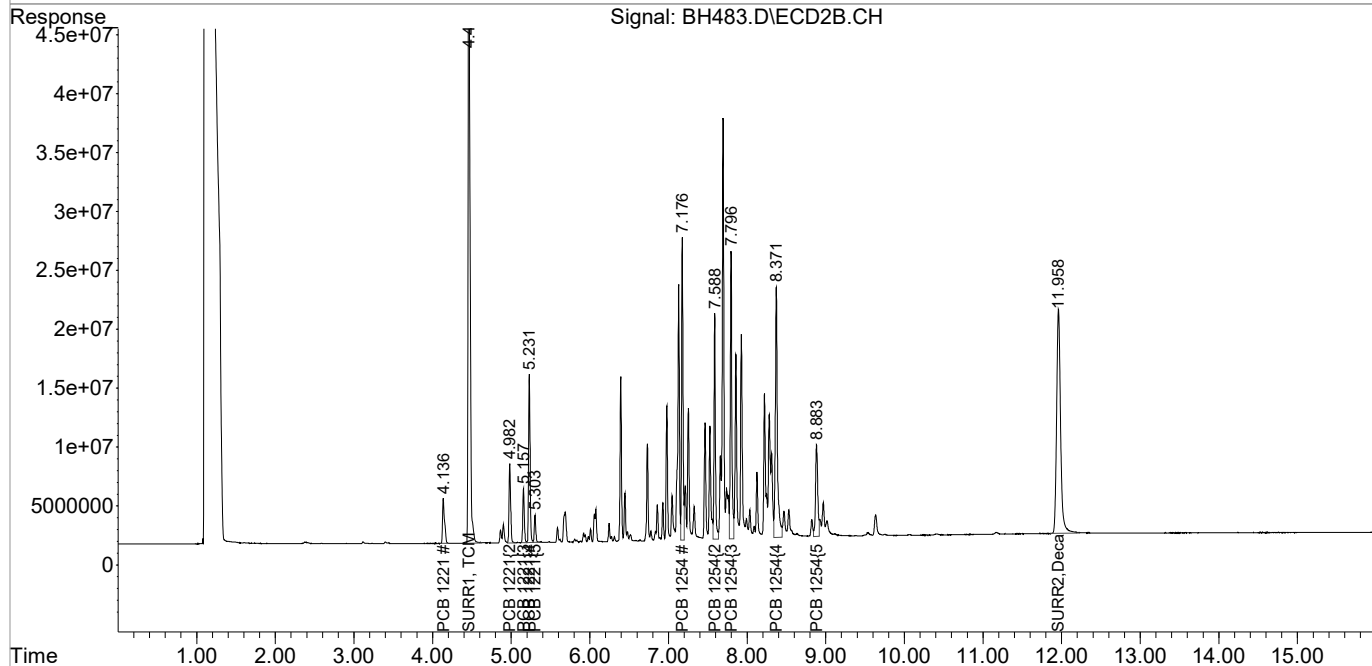
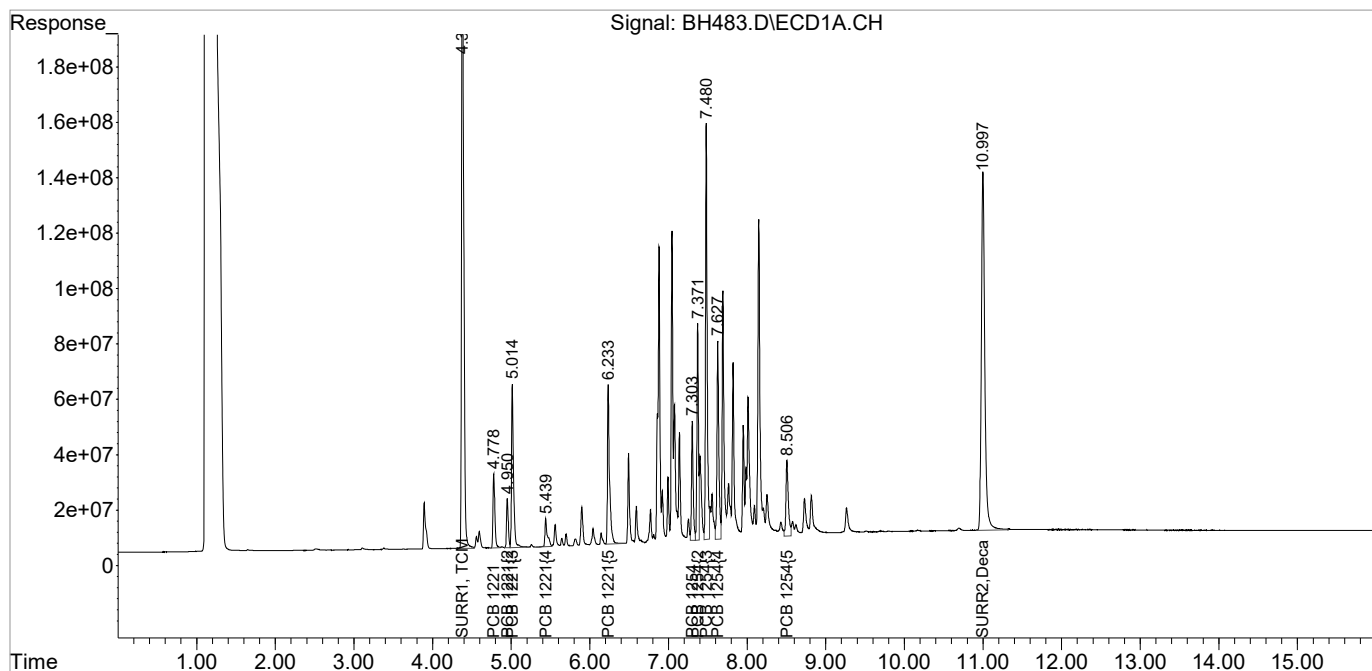
System Monitoring Compounds						
1) S SURR1, TCMX	4.379	4.462	4601.6E6	929.4E6	77.145	72.718
Spiked Amount	100.000	Range	30 - 150	Recovery	= 77.14%	72.72%
2) S SURR2, Dec...	10.998	11.959	3949.8E6	665.6E6	69.657	67.520
Spiked Amount	100.000	Range	30 - 150	Recovery	= 69.66%	67.52%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.136	446.1E6	67804090	727.886	596.148
9) L2c PCB 1221{2}	4.951	4.982	277.7E6	95981162	710.570	694.844
10) L2c PCB 1221{3}	5.014	5.157	1076.8E6	62943546	737.772	652.371
11) L2c PCB 1221{4}	5.440	5.231	223.4E6	191.1E6	779.251	671.879
12) L2c PCB 1221{5}	6.234	5.303	1032.4E6	31279654	724.707	706.901
Sum PCB 1221			3056.3E6	449.1E6	3680.186	3322.143
Average PCB 1221					736.037	664.429
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.303	7.176	649.9E6	317.2E6	744.013	674.287
29) L6c PCB 1254{2}	7.372	7.588	1030.8E6	242.4E6	767.142	757.654
30) L6c PCB 1254{3}	7.480	7.796	2243.9E6	336.5E6	799.894m	695.819
31) L6c PCB 1254{4}	7.628	8.372	1174.4E6	395.0E6	716.014	658.875
32) L6c PCB 1254{5}	8.507	8.883	585.4E6	153.2E6	665.440	716.058
Sum PCB 1254			5684.5E6	1444.3E6	3692.503	3502.694
Average PCB 1254					738.501	700.539
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:59 am
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:41 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

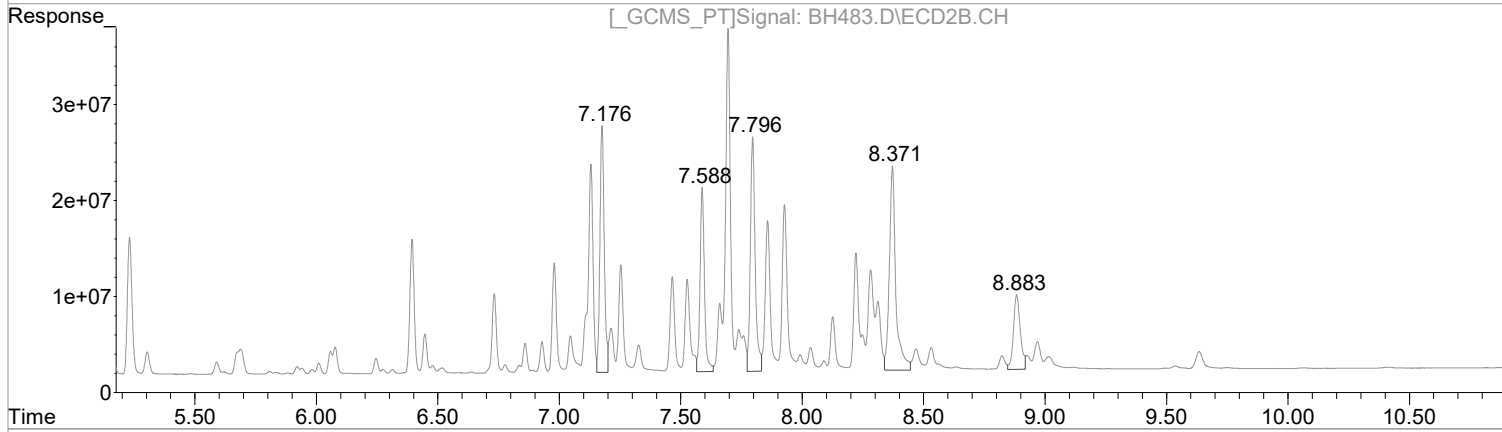
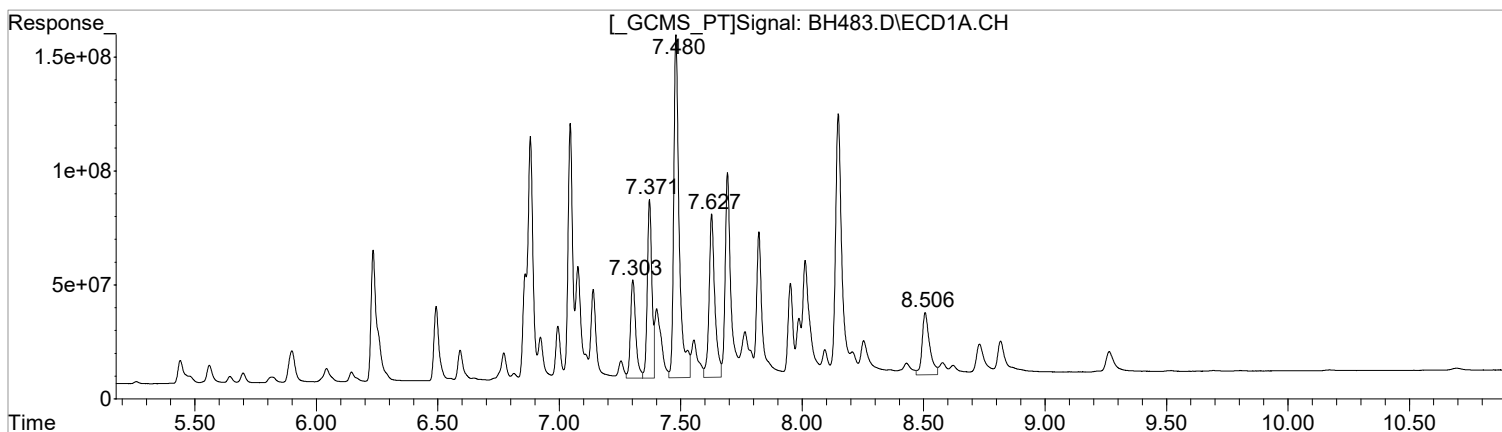
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:59 am
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:41 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	649891386	744.01
7.37	1030833350	767.14
7.48	2369300315	844.59
7.63	11744441720	716.01
8.51	585385888	665.44

Manual Integration:
Before
04/22/19

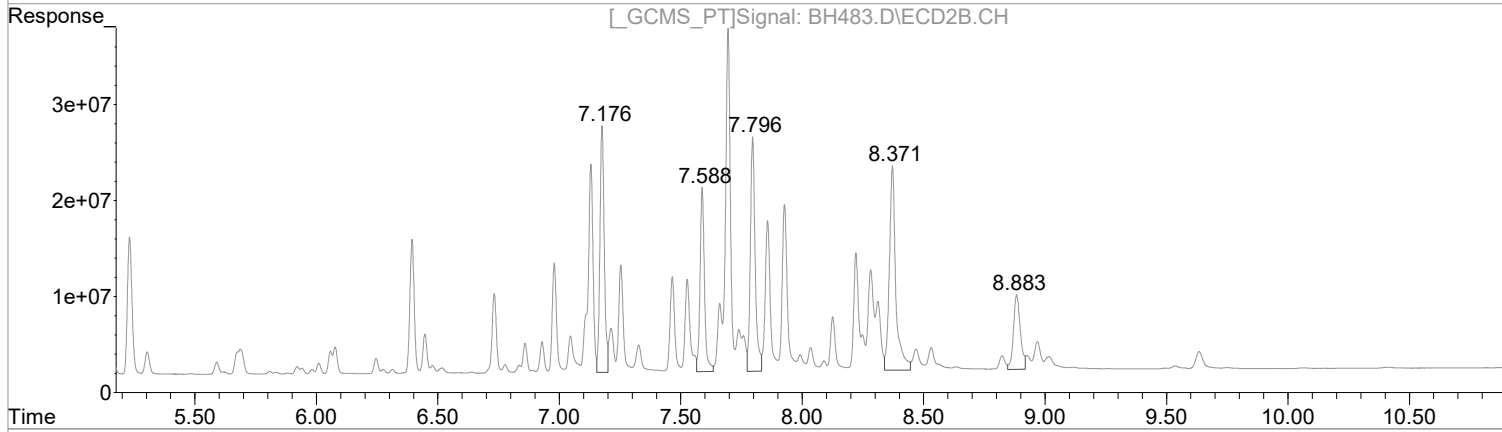
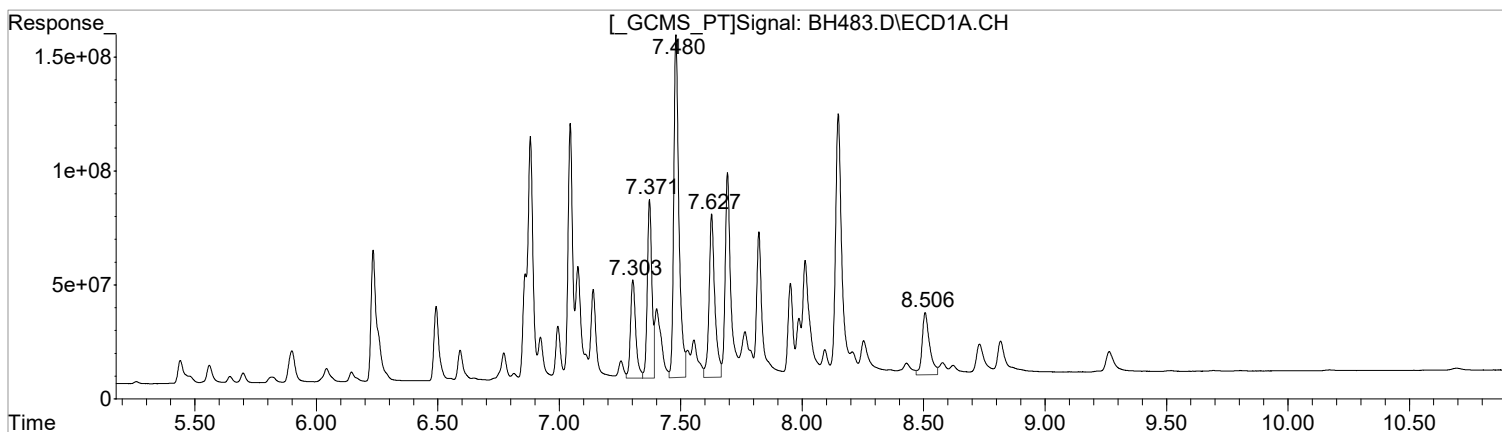
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	317190811	674.29
7.59	242386070	757.65
7.80	336519829	695.82
8.37	394999755	658.88
8.88	153181976	716.06

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH483.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:59 am
Operator :
Sample : 1221/54 MH
Misc : INITIAL CAL.
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:41 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	649891386	744.01
7.37	1030833350	767.14
7.48	2243921803	799.89
7.63	11744441720	716.01
8.51	585385888	665.44

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	317190811	674.29
7.59	242386070	757.65
7.80	336519829	695.82
8.37	394999755	658.88
8.88	153181976	716.06

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH482.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:40 am
 Operator :
 Sample : 1221/54 M
 Misc : INITIAL CAL.
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:38 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

System Monitoring Compounds

1) S SURR1, TCMX	4.381	4.461	3593.0E6	734.8E6	60.235	57.487
Spiked Amount	100.000	Range	30 - 150	Recovery	= 60.23%	57.49%
2) S SURR2, Dec...	11.001	11.961	3105.6E6	521.3E6	54.769	52.885
Spiked Amount	100.000	Range	30 - 150	Recovery	= 54.77%	52.88%

Target Compounds

Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000

8) L2c PCB 1221	4.780	4.135	313.7E6	50145441	511.933	440.889
9) L2c PCB 1221{2}	4.952	4.981	197.1E6	67907615	504.180	491.609
10) L2c PCB 1221{3}	5.016	5.156	760.5E6	44938181	521.101	465.756
11) L2c PCB 1221{4}	5.441	5.230	158.3E6	137.2E6	552.212	482.288
12) L2c PCB 1221{5}	6.235	5.303	735.6E6	22351321	516.364	505.126
Sum PCB 1221			2165.2E6	322.5E6	2605.791	2385.669
Average PCB 1221					521.158	477.134

Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000

Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000

Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000

28) L6c PCB 1254	7.304	7.176	471.3E6	226.2E6	539.502	480.900
29) L6c PCB 1254{2}	7.372	7.588	726.7E6	172.9E6	540.790	540.489
30) L6c PCB 1254{3}	7.481	7.795	1587.8E6	237.9E6	565.988m	491.950
31) L6c PCB 1254{4}	7.628	8.371	855.5E6	281.1E6	521.552	468.894
32) L6c PCB 1254{5}	8.508	8.882	439.8E6	106.1E6	499.986	496.029
Sum PCB 1254			4081.0E6	1024.3E6	2667.818	2478.263
Average PCB 1254					533.564	495.653

Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000

Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000

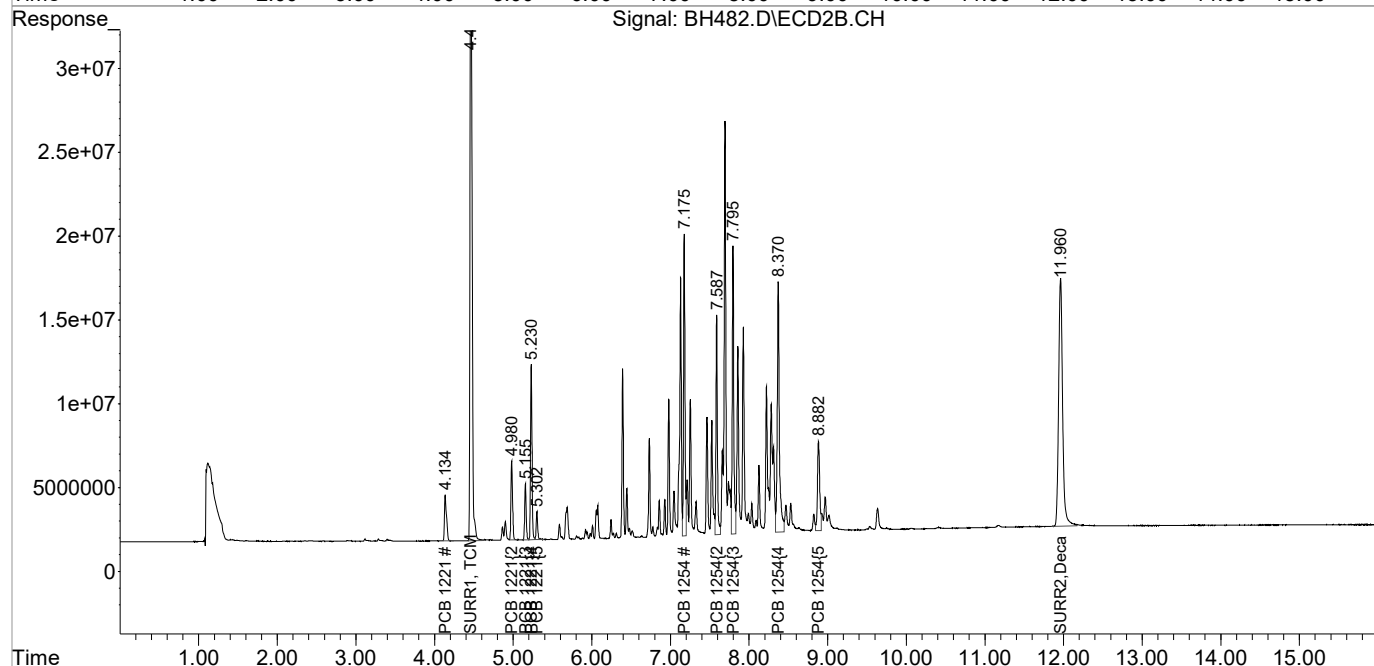
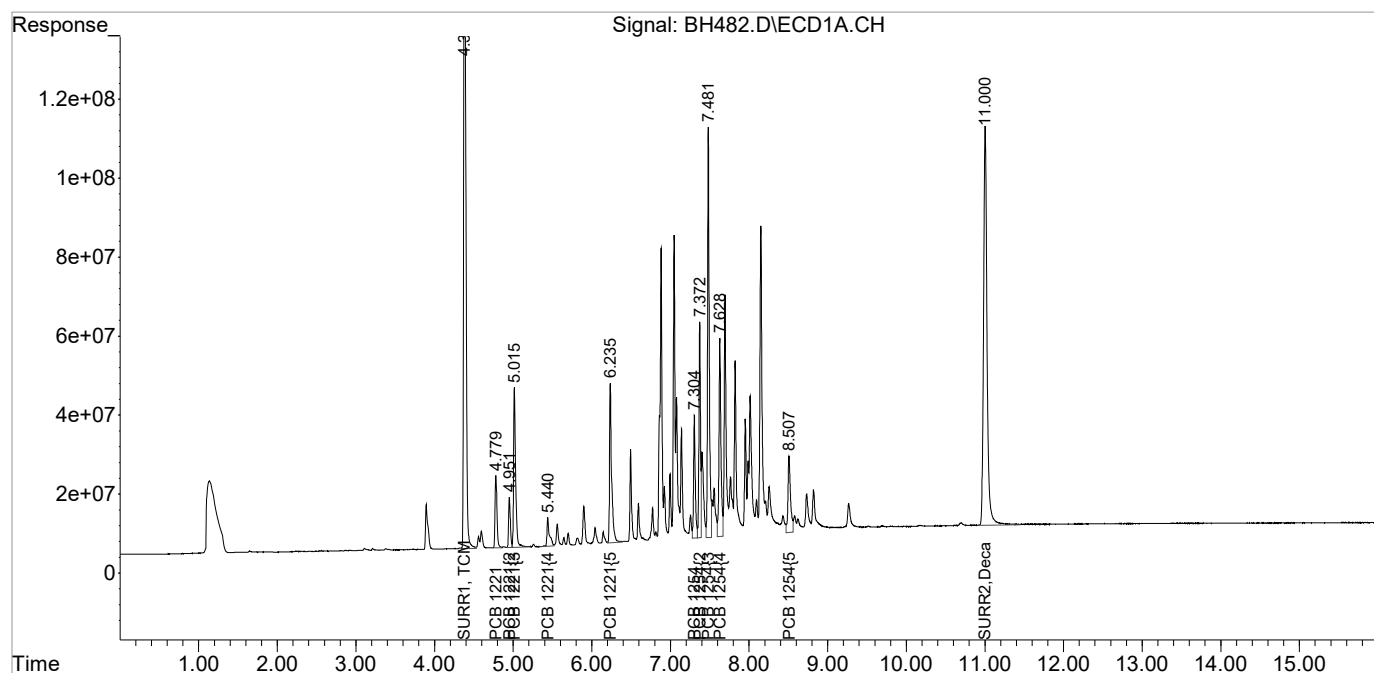
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

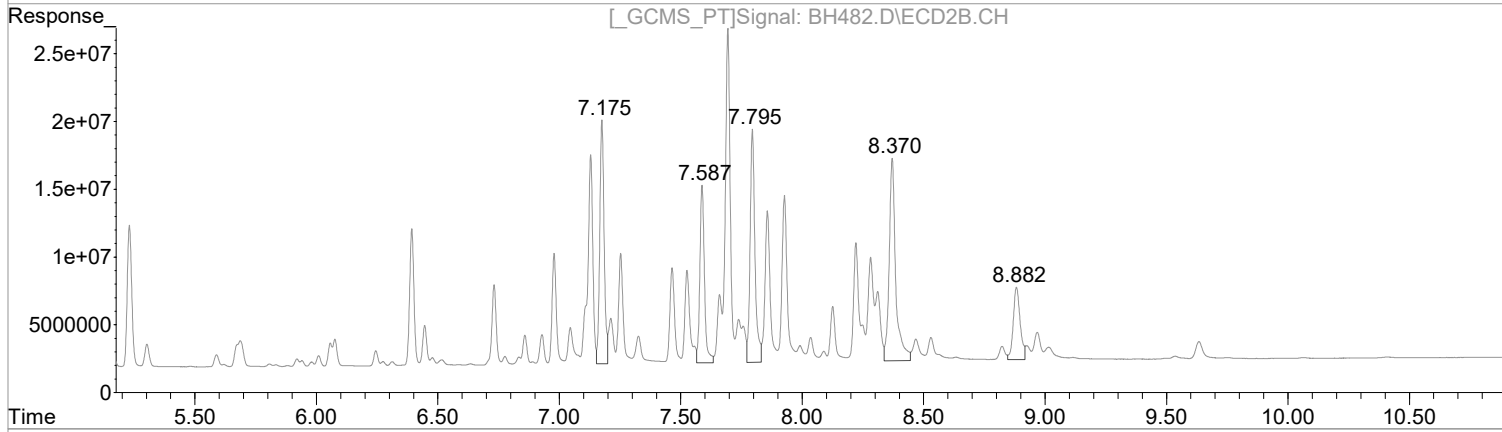
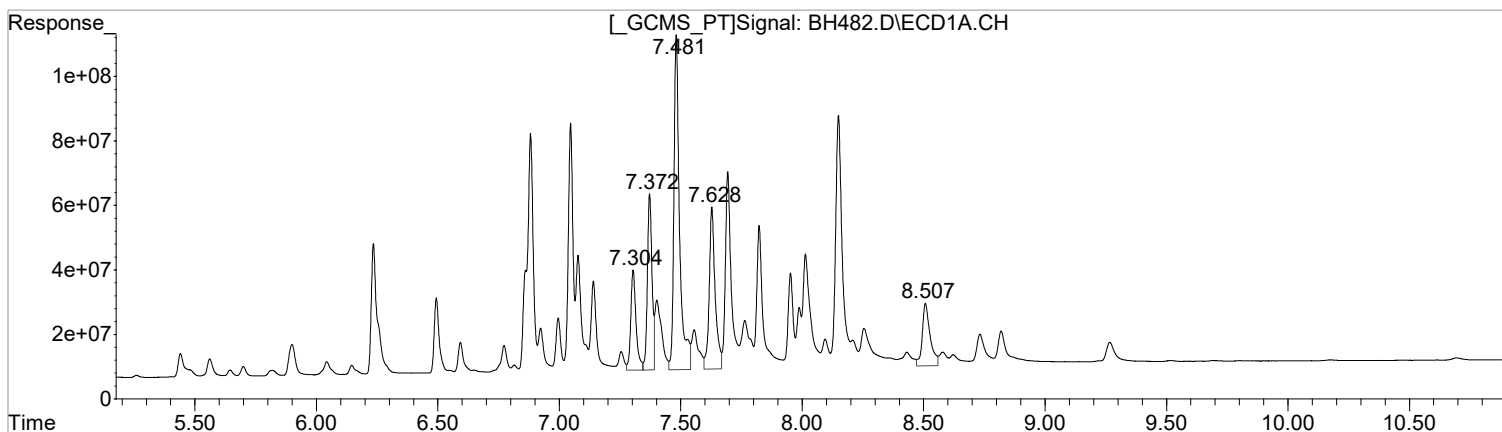
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	471252439	539.50
7.37	726677031	540.79
7.48	1676762003	597.72
7.63	855474765	521.55
8.51	439836400	499.99

(28) PCB 1254 #2 (L6c)

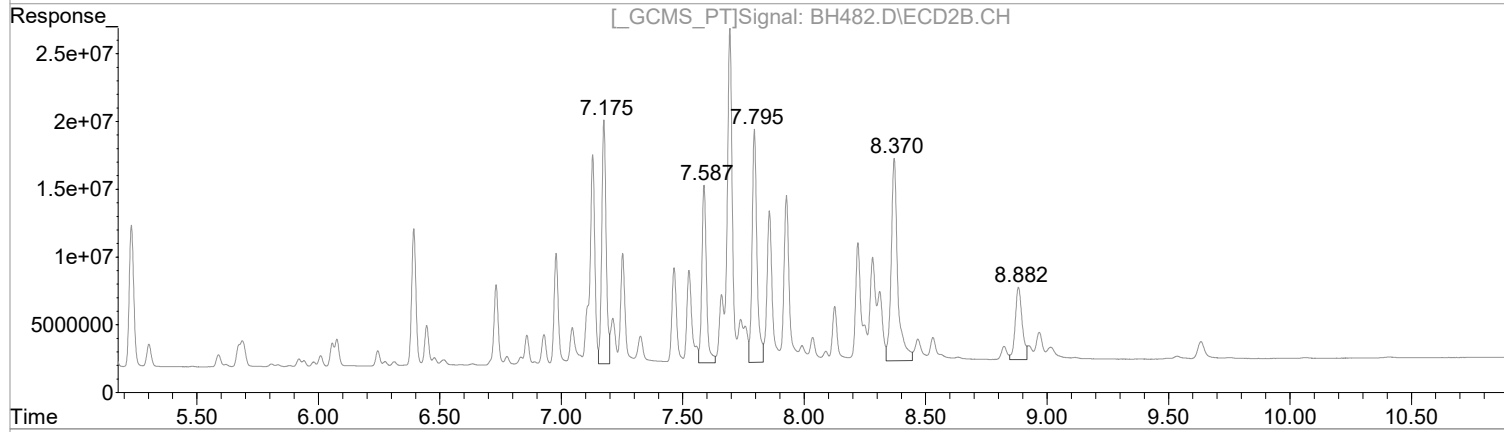
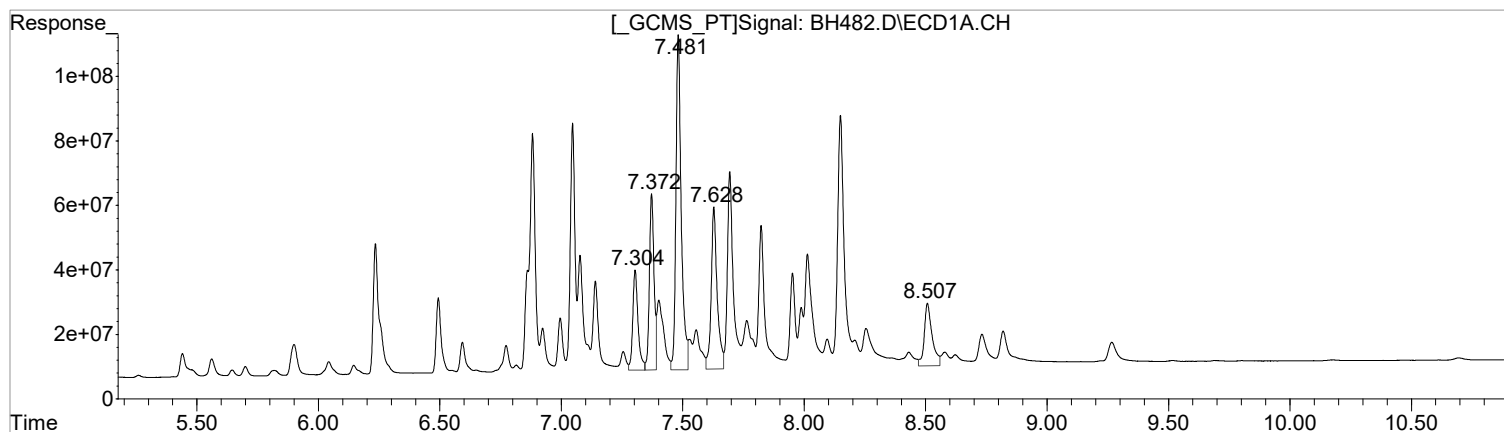
R.T.	Response	Conc
7.18	226219689	480.90
7.59	172911407	540.49
7.80	237922395	491.95
8.37	281105023	468.89
8.88	106112427	496.03

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH482.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:40 am
Operator :
Sample : 1221/54 M
Misc : INITIAL CAL.
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:38 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	471252439	539.50
7.37	726677031	540.79
7.48	1587751155	565.99
7.63	855474765	521.55
8.51	439836400	499.99

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	226219689	480.90
7.59	172911407	540.49
7.80	237922395	491.95
8.37	281105023	468.89
8.88	106112427	496.03

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH481.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:19 am
 Operator :
 Sample : 1221/54 ML
 Misc : INITIAL CAL.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:35 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

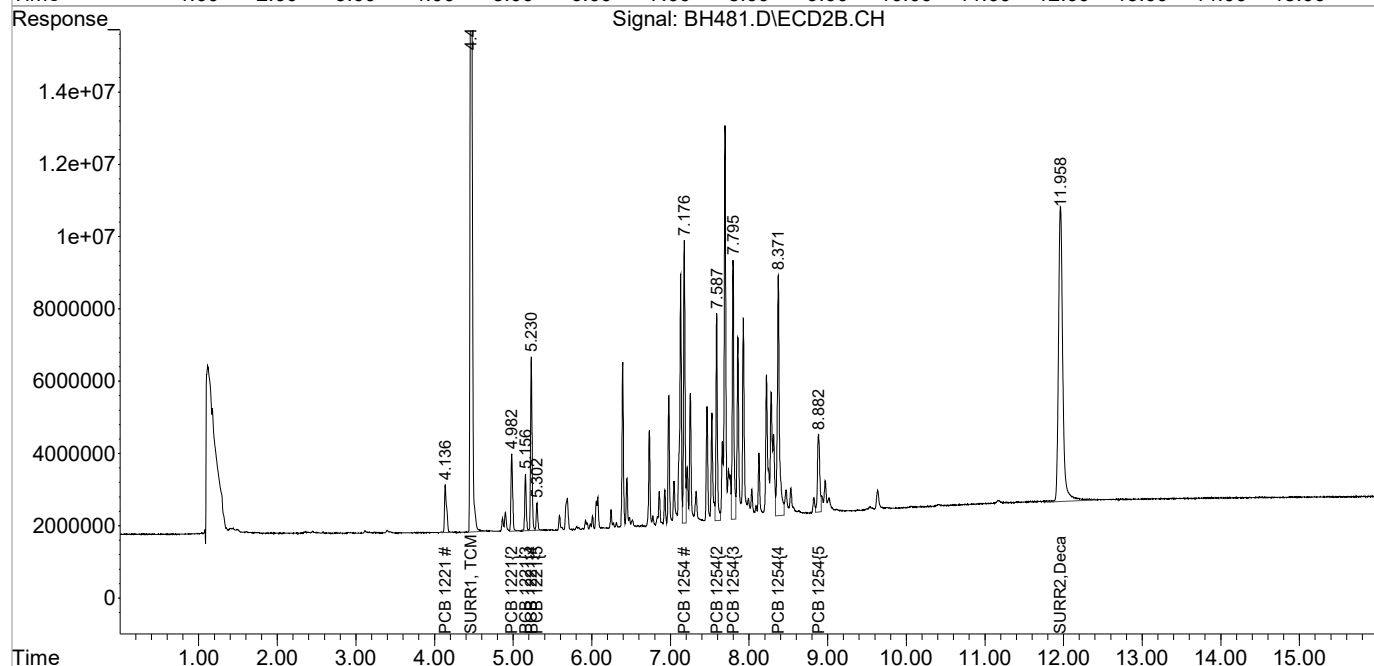
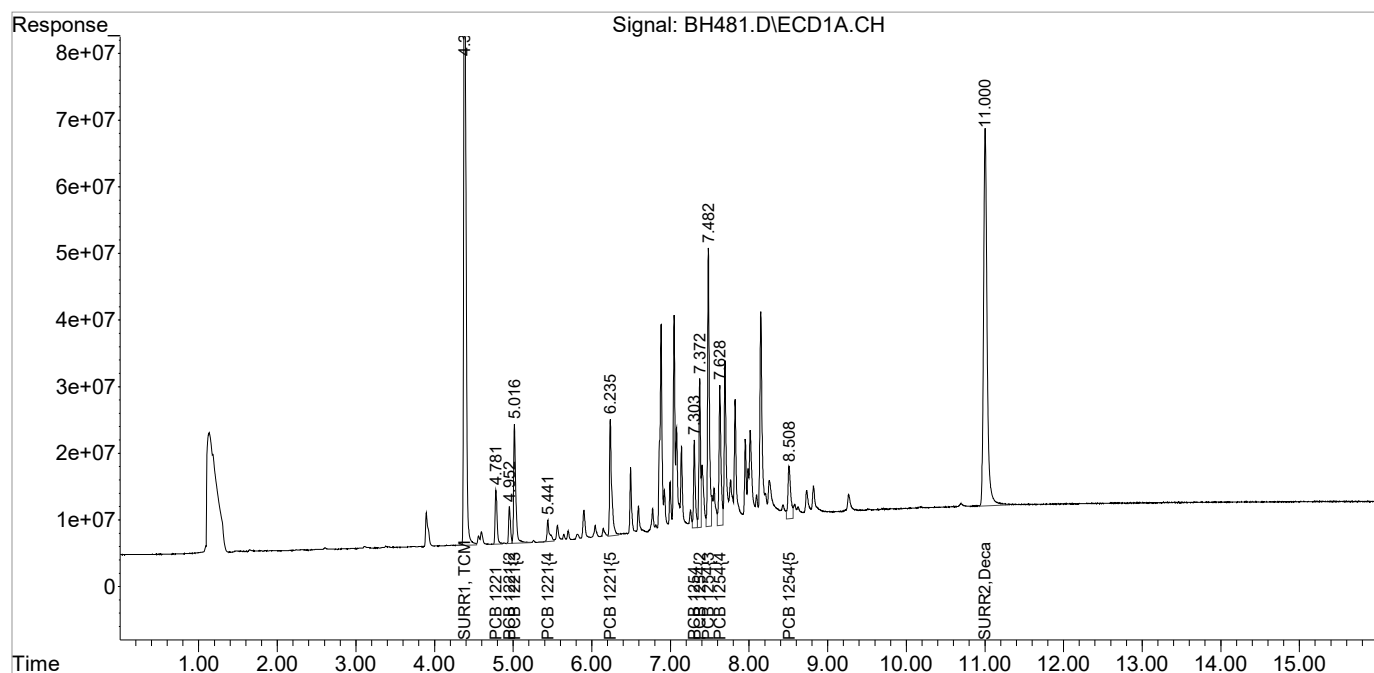
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	2032.0E6	426.1E6	34.067	33.339
Spiked Amount	100.000	Range	30 - 150	Recovery	= 34.07%	33.34%
2) S SURR2, Dec...	11.001	11.959	1764.3E6	309.1E6	31.115	31.360
Spiked Amount	100.000	Range	30 - 150	Recovery	= 31.11%	31.36%
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.781	4.136	140.7E6	24435795	229.613	214.845
9) L2c PCB 1221{2}	4.953	4.982	88745587	31947150	227.065	231.278
10) L2c PCB 1221{3}	5.016	5.157	343.1E6	20922377	235.076	216.847
11) L2c PCB 1221{4}	5.441	5.231	70698944	63761648	246.642	224.194
12) L2c PCB 1221{5}	6.235	5.303	325.5E6	10296336	228.489	232.691
Sum PCB 1221			968.7E6	151.4E6	1166.885	1119.855
Average PCB 1221					233.377	223.971
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	206.4E6	100.8E6	236.336	214.236
29) L6c PCB 1254{2}	7.372	7.588	304.1E6	74726930	226.319	233.583
30) L6c PCB 1254{3}	7.482	7.796	657.5E6	103.9E6	234.363m	214.788
31) L6c PCB 1254{4}	7.629	8.372	373.8E6	123.9E6	227.920	206.650
32) L6c PCB 1254{5}	8.508	8.883	199.3E6	44289064	226.553	207.032
Sum PCB 1254			1741.1E6	447.6E6	1151.491	1076.288
Average PCB 1254					230.298	215.258
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH481.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 3:19 am
Operator :
Sample : 1221/54 ML
Misc : INITIAL CAL.
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:35 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

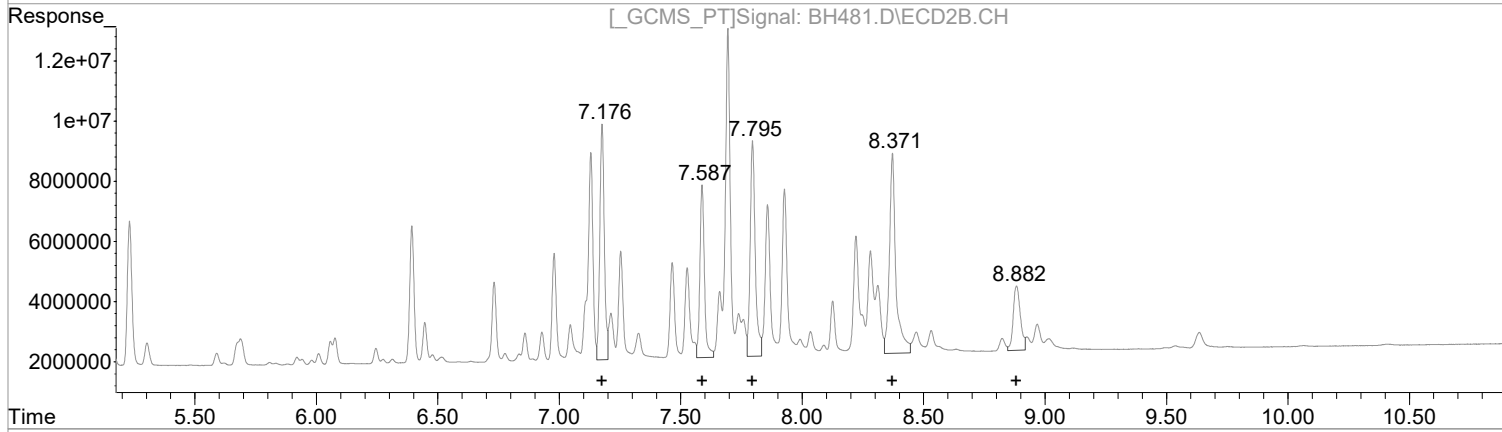
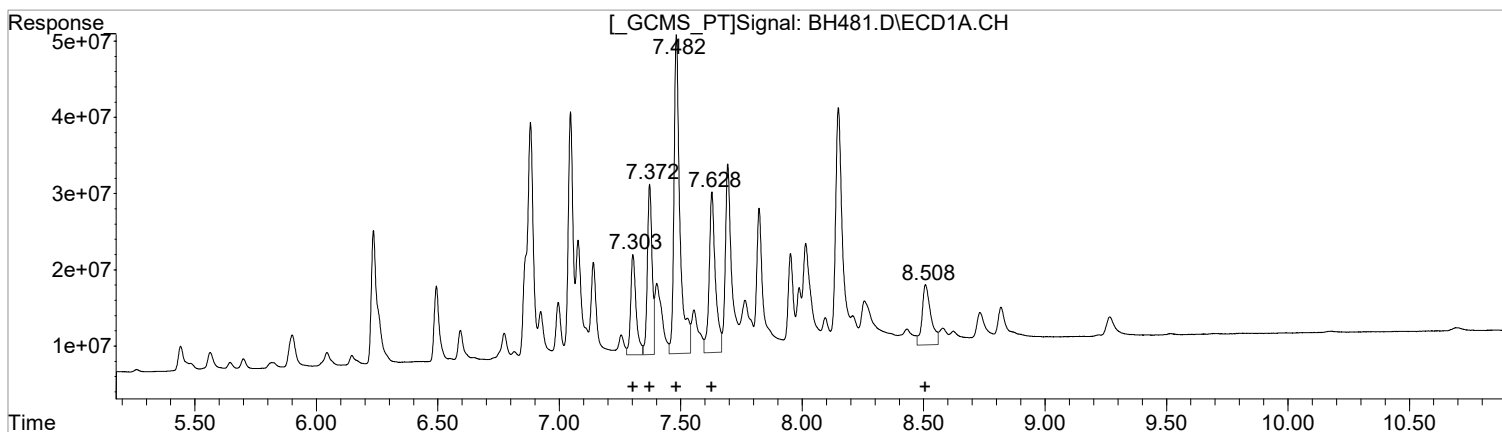
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH481.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:19 am
 Operator :
 Sample : 1221/54 ML
 Misc : INITIAL CAL.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:35 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	206437993	236.34
7.37	304112471	226.32
7.48	708681621	252.62
7.63	373845832	227.92
8.51	199297589	226.55

Manual Integration:
 Before
 04/22/19

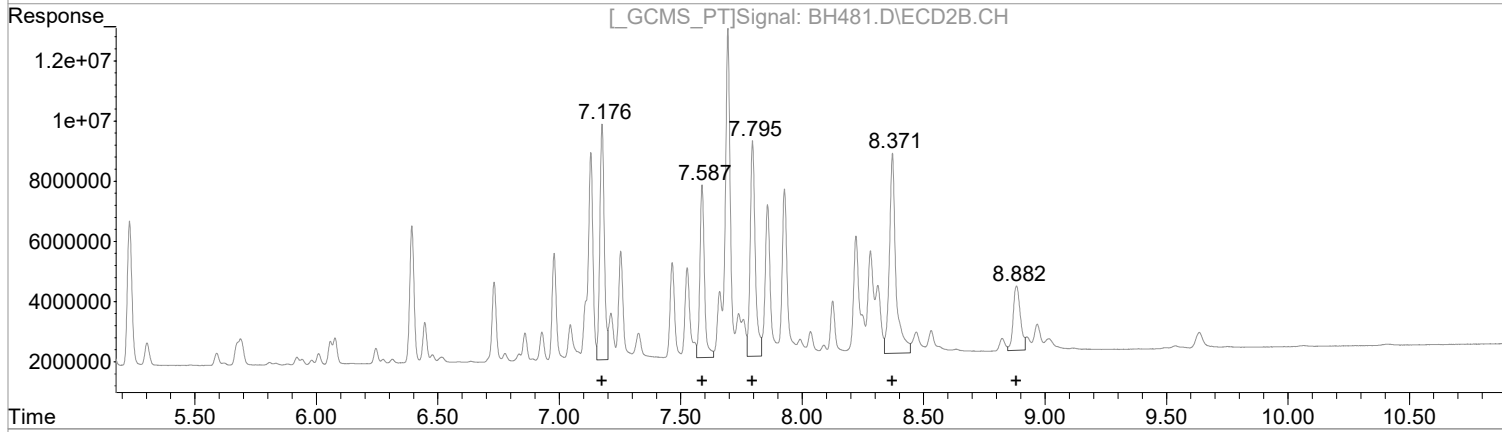
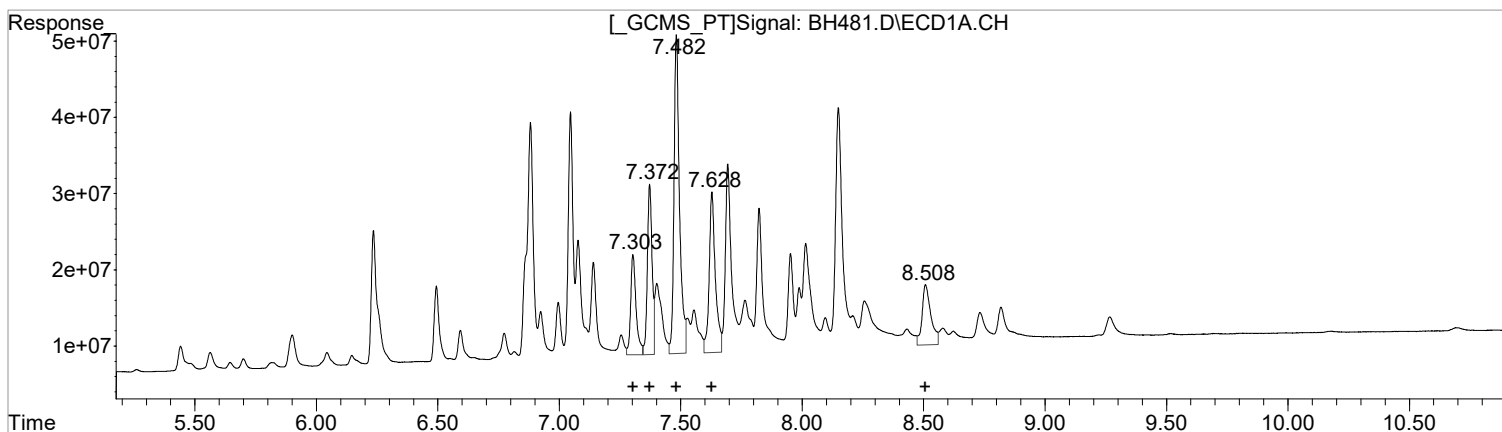
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	100778351	214.24
7.59	74726930	233.58
7.80	103878159	214.79
8.37	123888151	206.65
8.88	44289064	207.03

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH481.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 3:19 am
 Operator :
 Sample : 1221/54 ML
 Misc : INITIAL CAL.
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:35 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	206437993	236.34
7.37	304112471	226.32
7.48	657452537	234.36
7.63	373845832	227.92
8.51	199297589	226.55

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	100778351	214.24
7.59	74726930	233.58
7.80	103878159	214.79
8.37	123888151	206.65
8.88	44289064	207.03

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH480.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:59 am
 Operator :
 Sample : 1221/54 L
 Misc : INITIAL CAL.
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:32 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

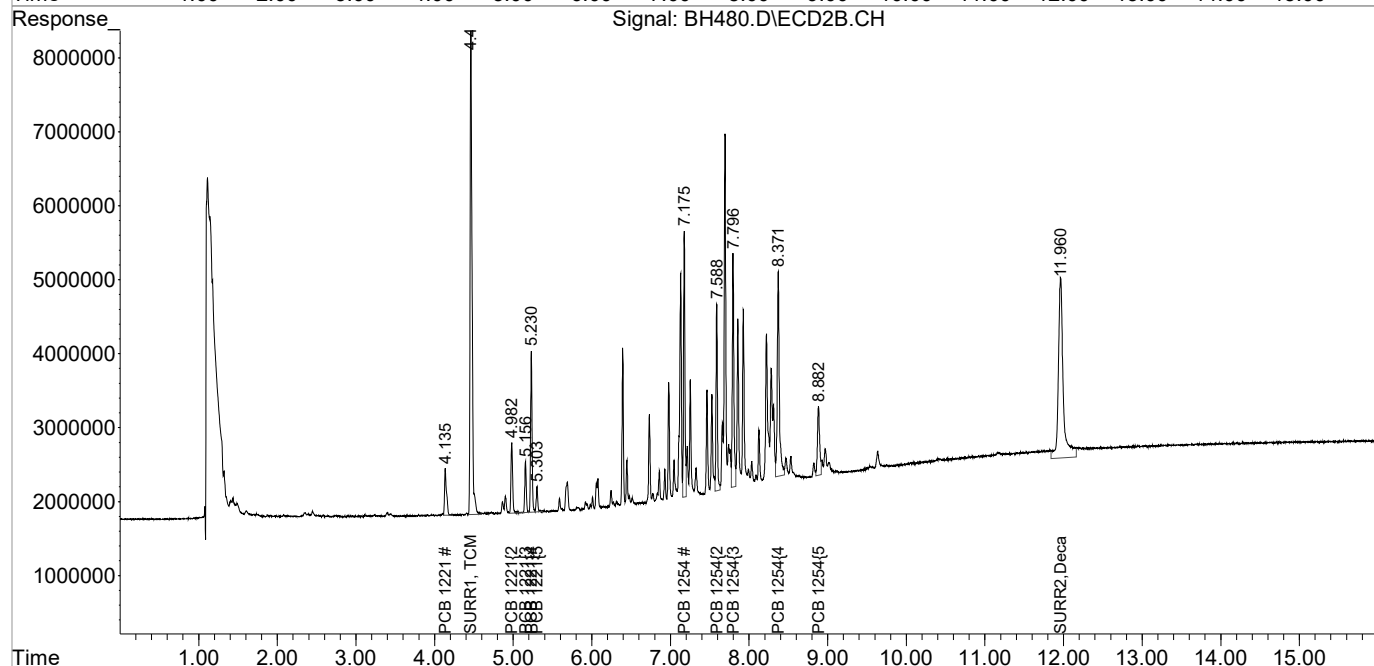
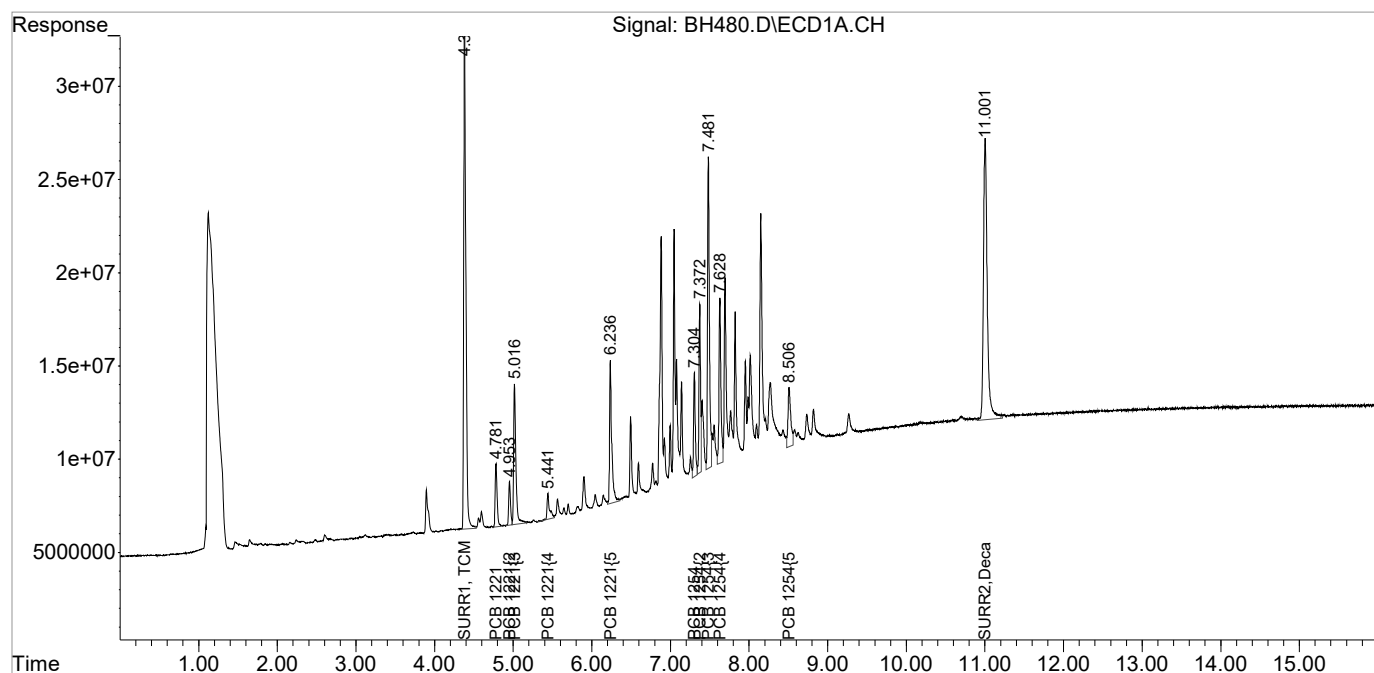
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	522.3E6	116.1E6	8.756	9.084
Spiked Amount	100.000	Range	30 - 150	Recovery	=	8.76%# 9.08%#
2) S SURR2, Dec...	11.001	11.962	507.7E6	104.7E6	8.953	10.620
Spiked Amount	100.000	Range	30 - 150	Recovery	=	8.95%# 10.62%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.782	4.136	59830051	11127281	97.629	97.833
9) L2c PCB 1221{2}	4.954	4.982	37890455	14266316	96.947	103.279
10) L2c PCB 1221{3}	5.017	5.157	149.8E6	9350222	102.634	96.909
11) L2c PCB 1221{4}	5.442	5.231	31079612	28516275	108.425	100.267
12) L2c PCB 1221{5}	6.236	5.303	145.6E6	4667510	102.223	105.483
Sum PCB 1221			424.2E6	67927604	507.858	503.772
Average PCB 1221					101.572	100.754
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	83836975	44754481	95.979m	95.139
29) L6c PCB 1254{2}	7.372	7.589	123.0E6	31416988	91.533m	98.204
30) L6c PCB 1254{3}	7.481	7.796	264.8E6	44115739	94.391m	91.218
31) L6c PCB 1254{4}	7.628	8.371	148.3E6	50538169	90.437m	84.300
32) L6c PCB 1254{5}	8.506	8.882	79999249	18376290	90.940m	85.901
Sum PCB 1254			700.0E6	189.2E6	463.279	454.762
Average PCB 1254					92.656	90.952
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:59 am
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:32 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

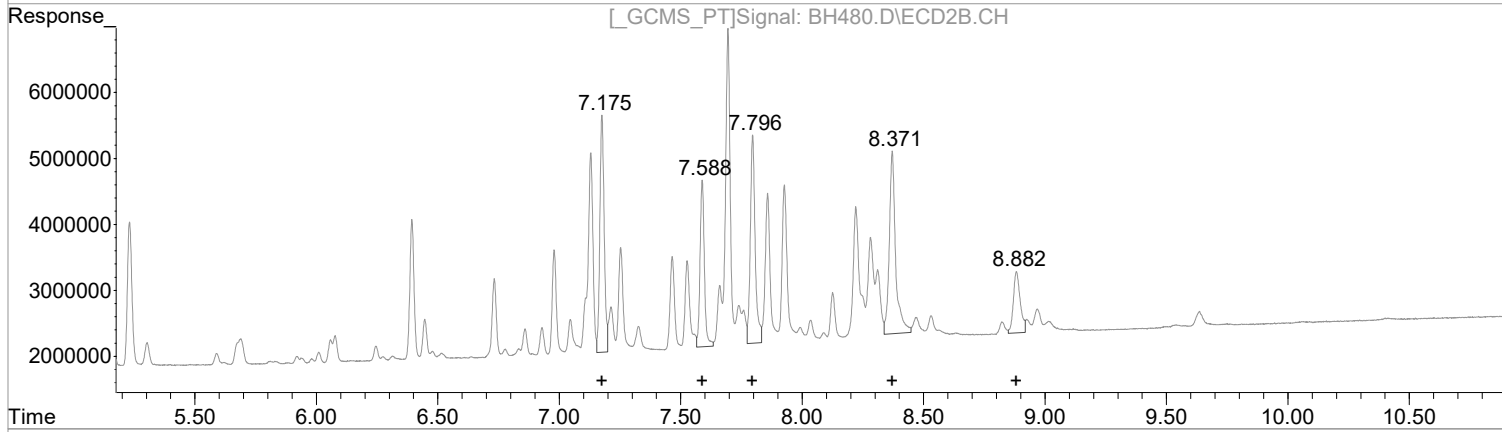
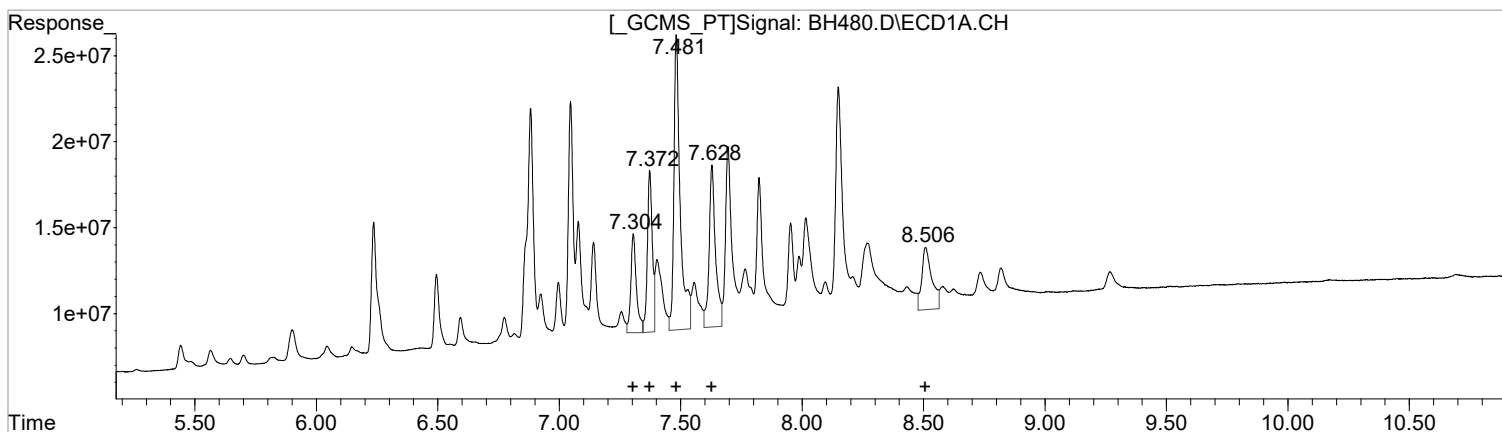
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:59 am
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:32 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	93886726	107.48
7.37	133443007	99.31
7.48	309974597	110.50
7.63	173001708	105.47
8.51	105397016	119.81

Manual Integration:
Before
04/22/19

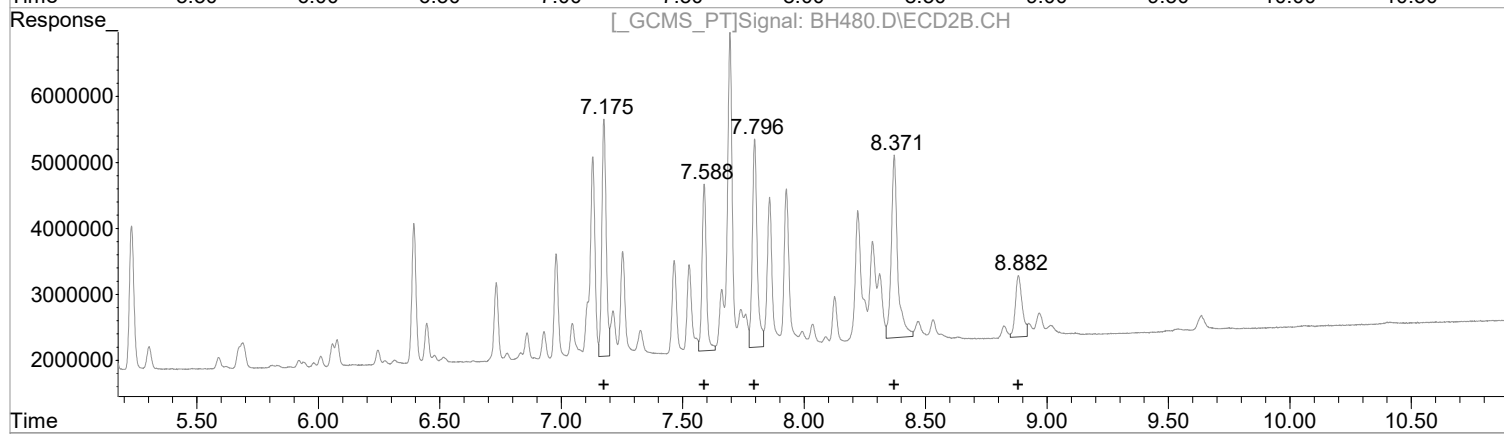
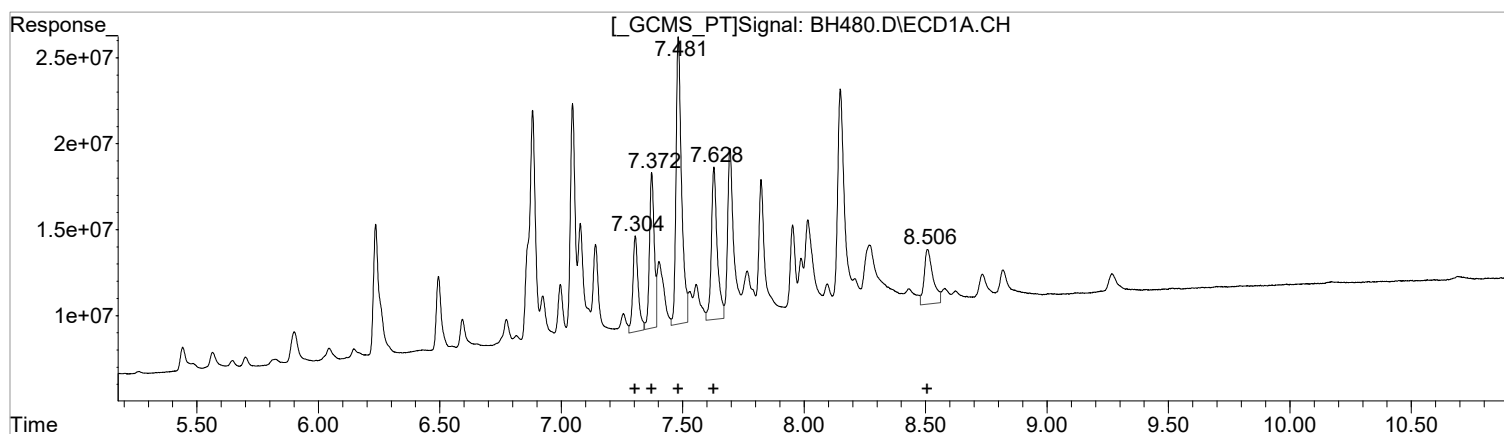
(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	44754481	95.14
7.59	31416988	98.20
7.80	44115739	91.22
8.37	50538169	84.30
8.88	18376290	85.90

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH480.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:59 am
Operator :
Sample : 1221/54 L
Misc : INITIAL CAL.
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:32 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	83836975	95.98
7.37	122995163	91.53
7.48	264791636	94.39
7.63	148339337	90.44
8.51	79999249	90.94

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	44754481	95.14
7.59	31416988	98.20
7.80	44115739	91.22
8.37	50538169	84.30
8.88	18376290	85.90

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

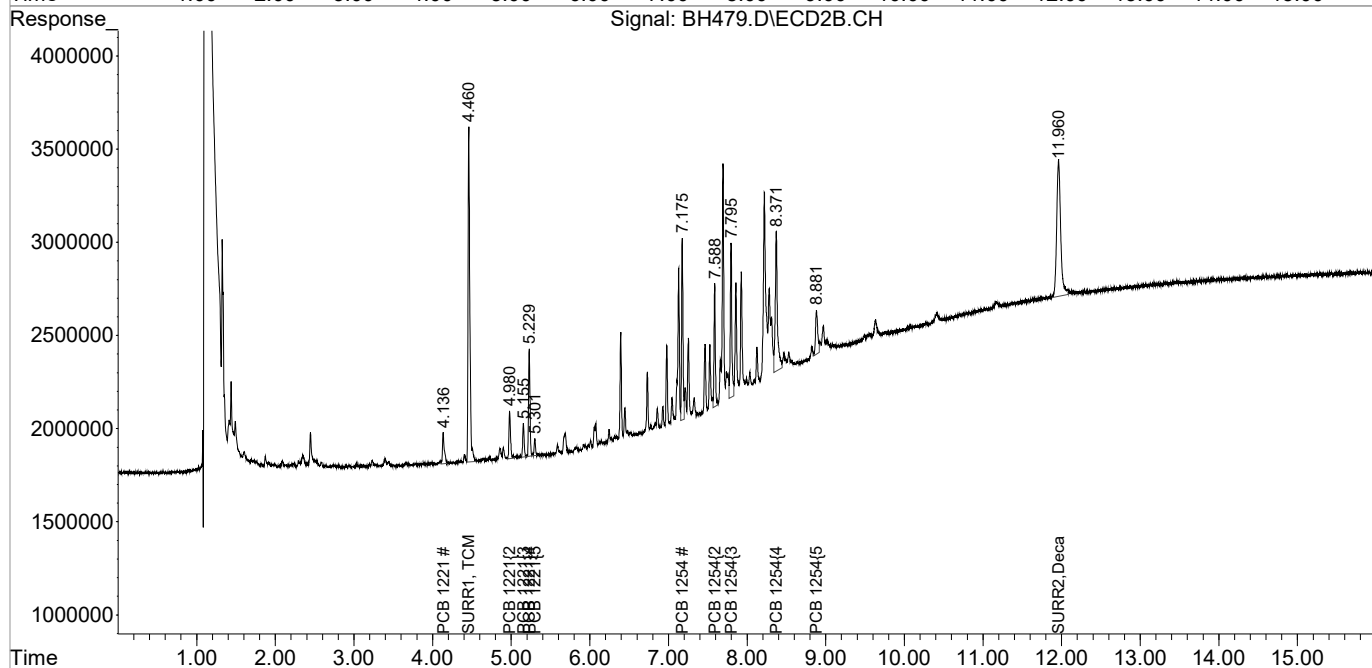
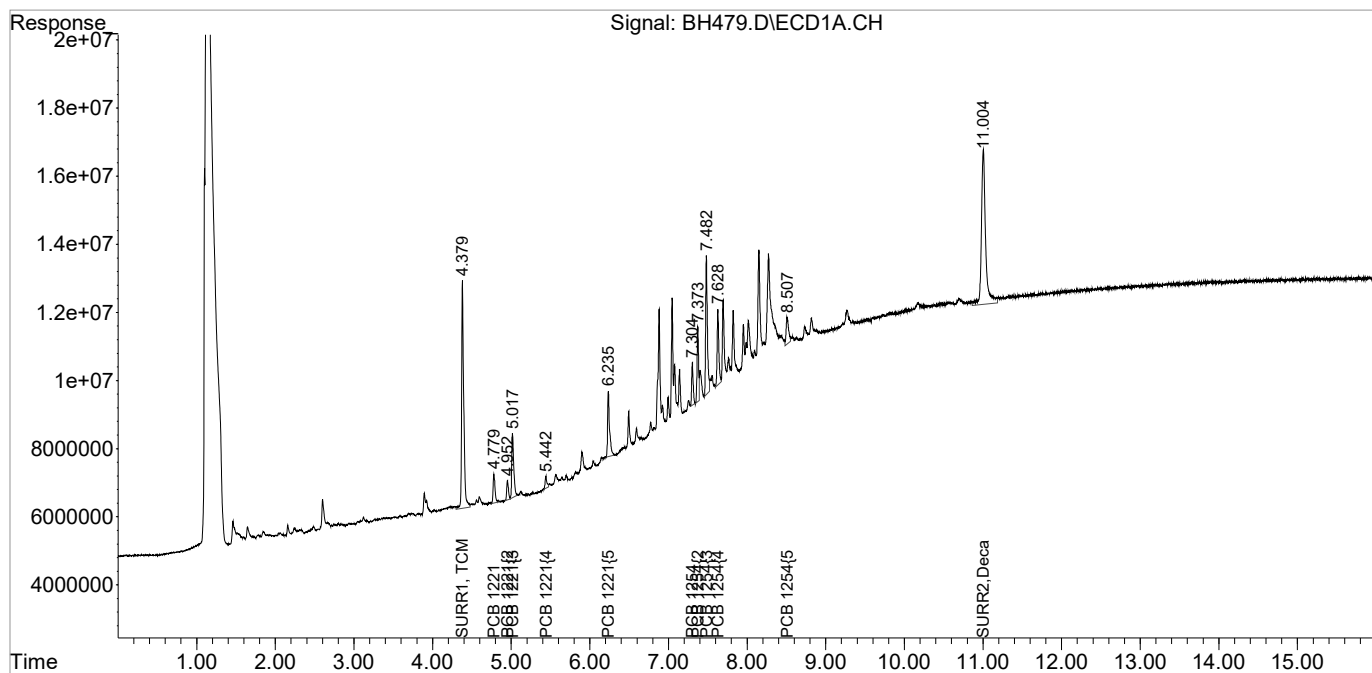
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.461	124.2E6	27809700	2.082	2.176
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.08%#	2.18%#
2) S SURR2, Dec...	11.004	11.960	166.0E6	25914891	2.928	2.629
Spiked Amount	100.000	Range	30 - 150	Recovery =	2.93%#	2.63%#
Target Compounds						
Sum PCB 1016			0	0	N.D.	N.D.
Average PCB 1016					0.000	0.000
8) L2c PCB 1221	4.779	4.136	14221937	2768065	23.207m	24.337m
9) L2c PCB 1221{2}	4.952	4.981	8703469	3657216	22.269m	26.476
10) L2c PCB 1221{3}	5.017	5.156	33848753	2334421	23.192m	24.195
11) L2c PCB 1221{4}	5.442	5.230	5721015	7396543	19.958m	26.007 #
12) L2c PCB 1221{5}	6.235	5.302	32719984	1146636	22.968m	25.913
Sum PCB 1221			95215159	17302881	111.595	126.929
Average PCB 1221					22.319	25.386
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
28) L6c PCB 1254	7.304	7.176	16778836	11774237	19.209m	25.030 #
29) L6c PCB 1254{2}	7.373	7.588	27962068	7910088	20.809m	24.725
30) L6c PCB 1254{3}	7.482	7.796	63320800	11561445	22.572m	23.905
31) L6c PCB 1254{4}	7.628	8.371	32700804	14587603	19.936m	24.333
32) L6c PCB 1254{5}	8.507	8.882	16915682	4616958	19.229m	21.582
Sum PCB 1254			157.7E6	50450331	101.756	119.576
Average PCB 1254					20.351	23.915
Sum PCB 1260			0	0	N.D.	N.D.
Average PCB 1260					0.000	0.000
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:38 am
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

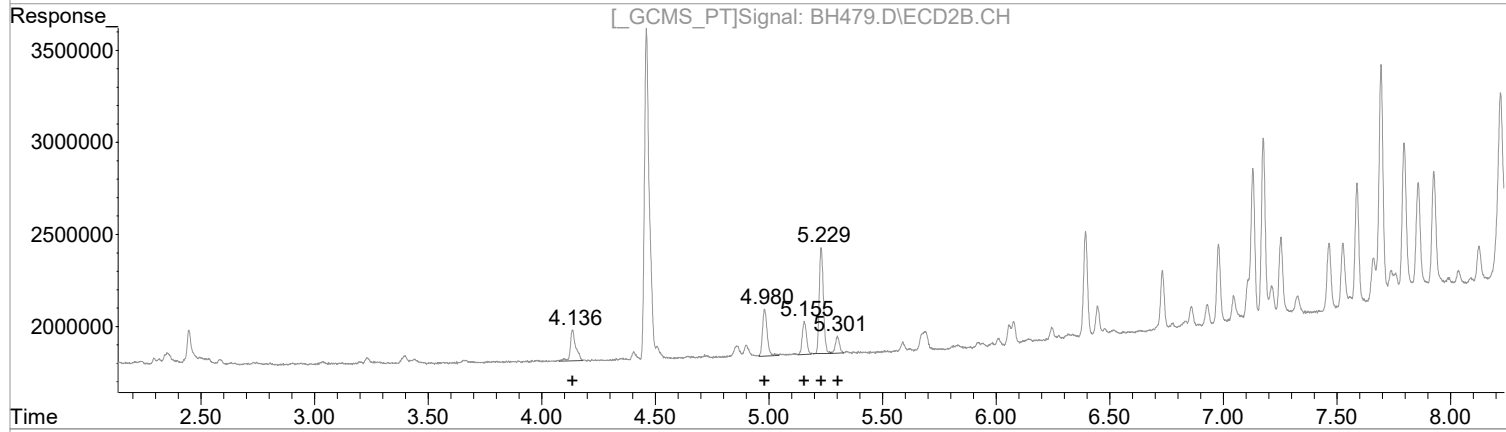
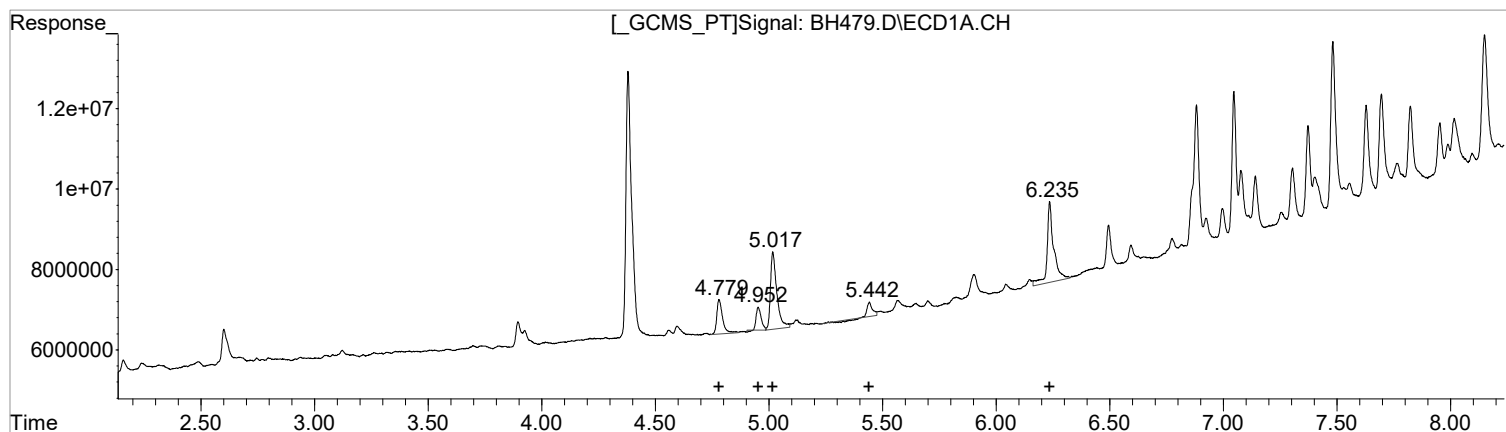
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.78	15311994	24.99
4.95	9676733	24.76
5.02	37737893	25.86
5.44	4230157	14.76
6.24	40374184	28.34

(8) PCB 1221 #2 (L2c)

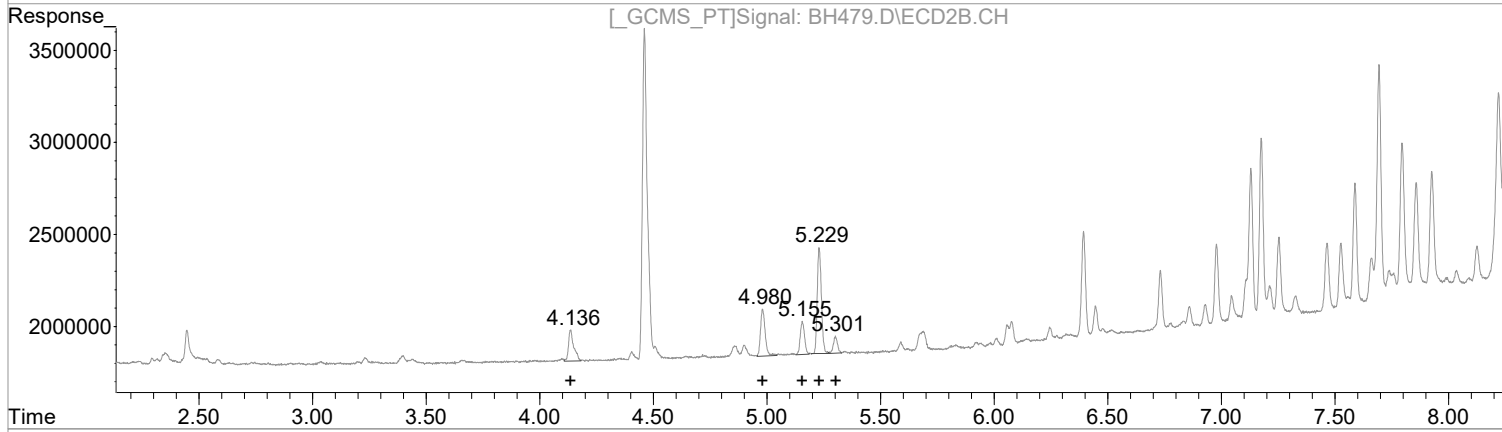
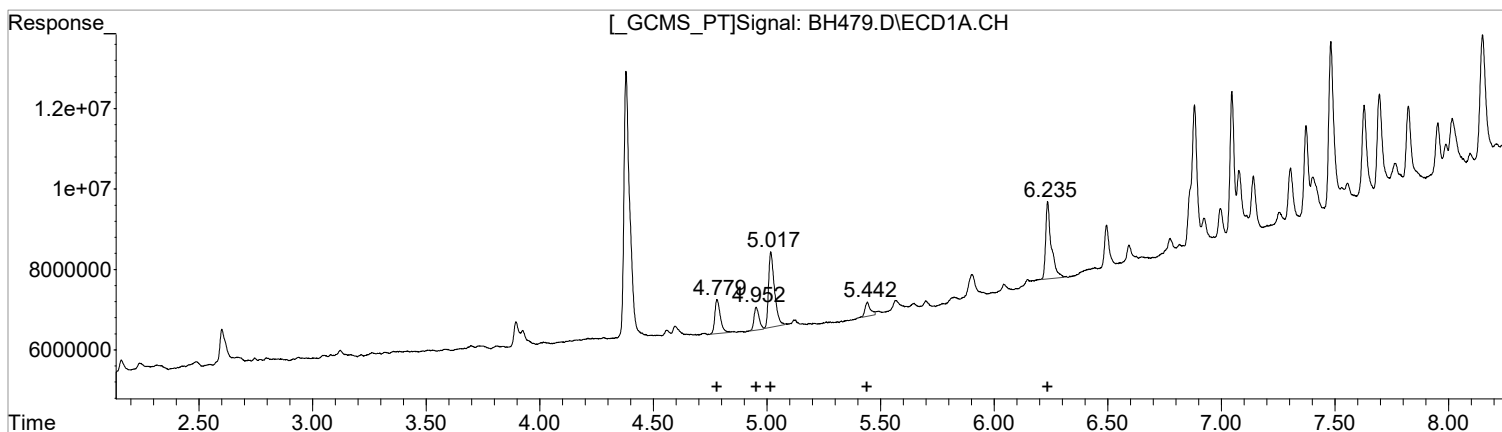
R.T.	Response	Conc
4.14	2829752	24.88
4.98	3657216	26.48
5.16	2334421	24.19
5.23	7396543	26.01
5.30	1146636	25.91

Manual Integration:
 Before
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(8) PCB 1221 (L2c)

R.T.	Response	Conc
4.78	14221937	23.21
4.95	8703469	22.27
5.02	33848753	23.19
5.44	5721015	19.96
6.23	32719984	22.97

(8) PCB 1221 #2 (L2c)

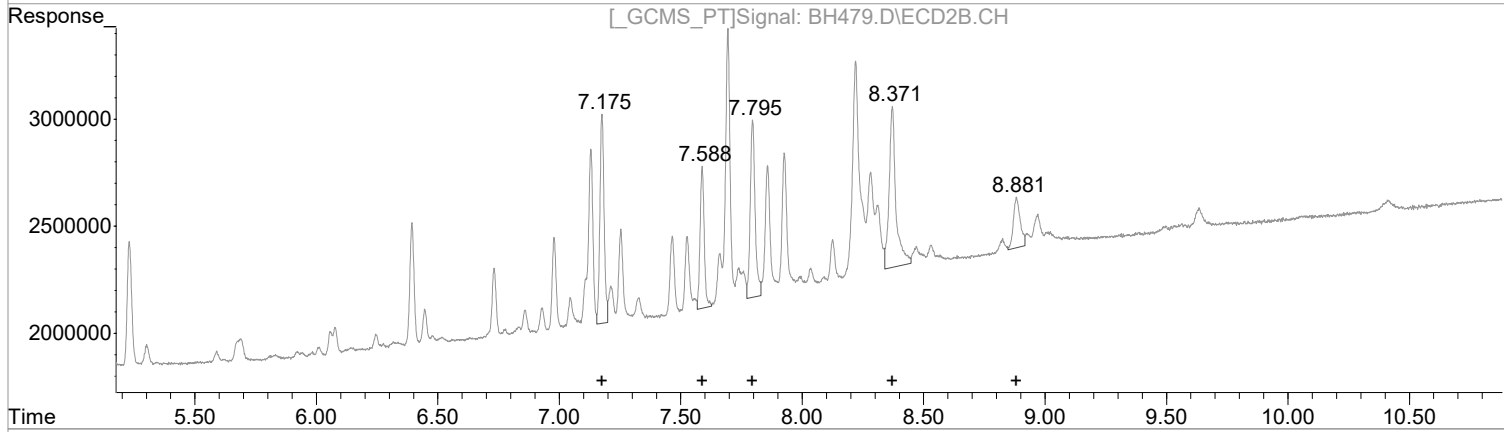
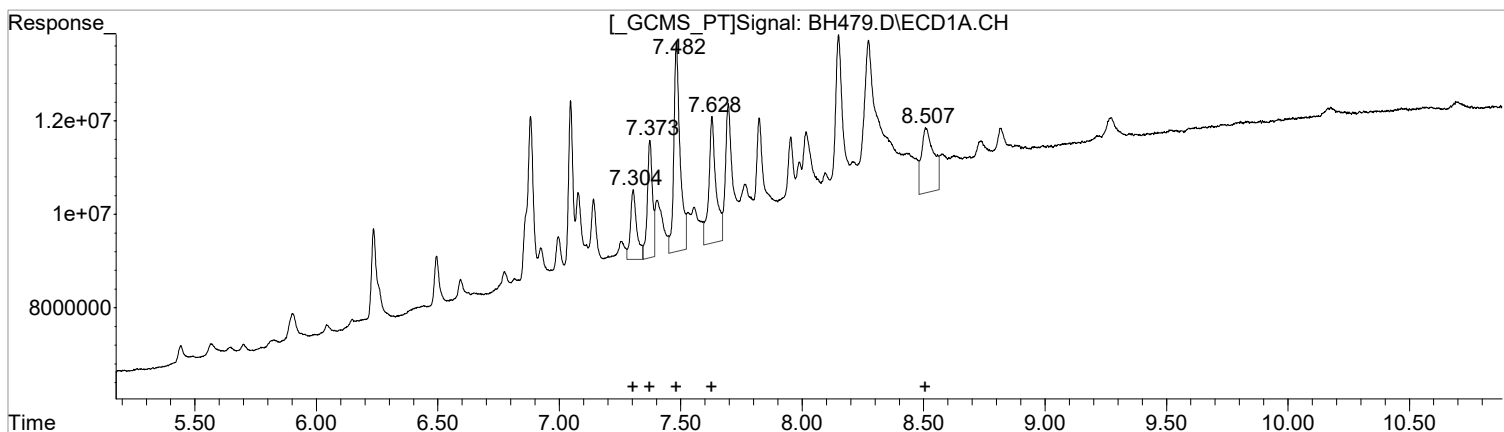
R.T.	Response	Conc
4.14	2768065	24.34
4.98	3657216	26.48
5.16	2334421	24.19
5.23	7396543	26.01
5.30	1146636	25.91

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH479.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:38 am
 Operator :
 Sample : 1221/54 LL
 Misc : INITIAL CAL.
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:29 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	28323291	32.43
7.37	37365893	27.81
7.48	80176945	28.58
7.63	55959842	34.12
8.51	48704719	55.37

(28) PCB 1254 #2 (L6c)

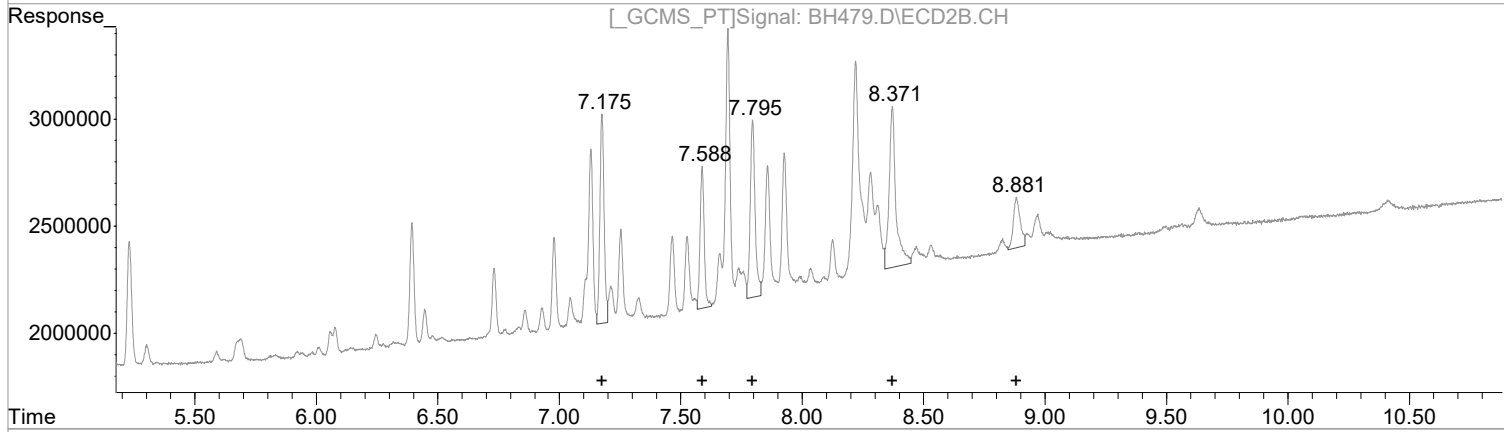
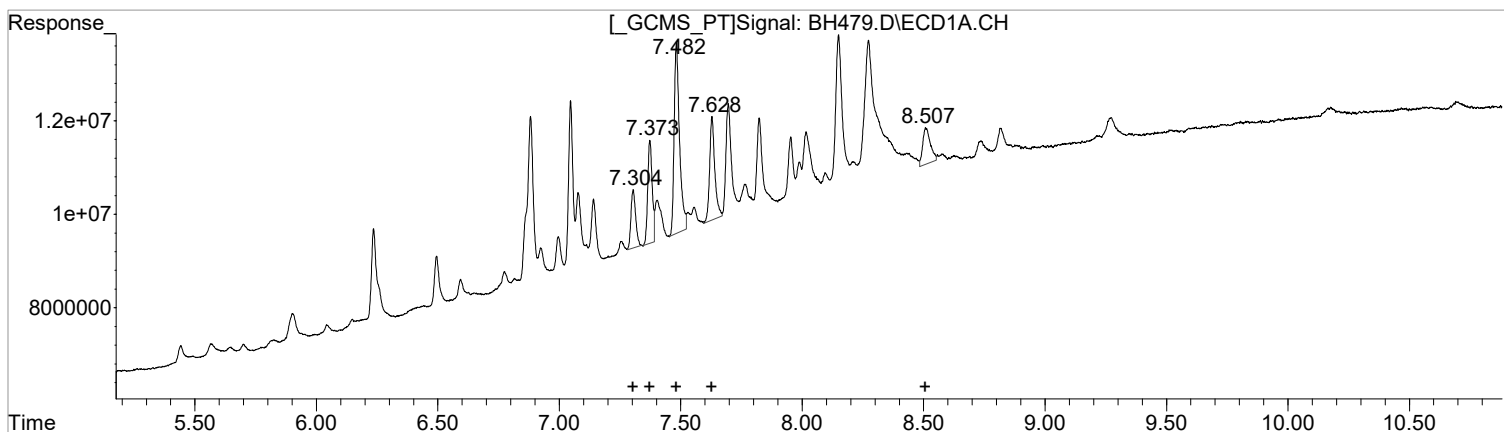
R.T.	Response	Conc
7.18	11774237	25.03
7.59	7910088	24.73
7.80	11561445	23.91
8.37	14587603	24.33
8.88	4616958	21.58

Manual Integration:
 Before
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH479.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:38 am
Operator :
Sample : 1221/54 LL
Misc : INITIAL CAL.
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:29 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(28) PCB 1254 (L6c)

R.T.	Response	Conc
7.30	16778836	19.21
7.37	27962068	20.81
7.48	63320800	22.57
7.63	32700804	19.94
8.51	16915682	19.23

(28) PCB 1254 #2 (L6c)

R.T.	Response	Conc
7.18	11774237	25.03
7.59	7910088	24.73
7.80	11561445	23.91
8.37	14587603	24.33
8.88	4616958	21.58

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH478.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 2:18 am
 Operator :
 Sample : 1660 H
 Misc : INITIAL CAL.
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:26 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

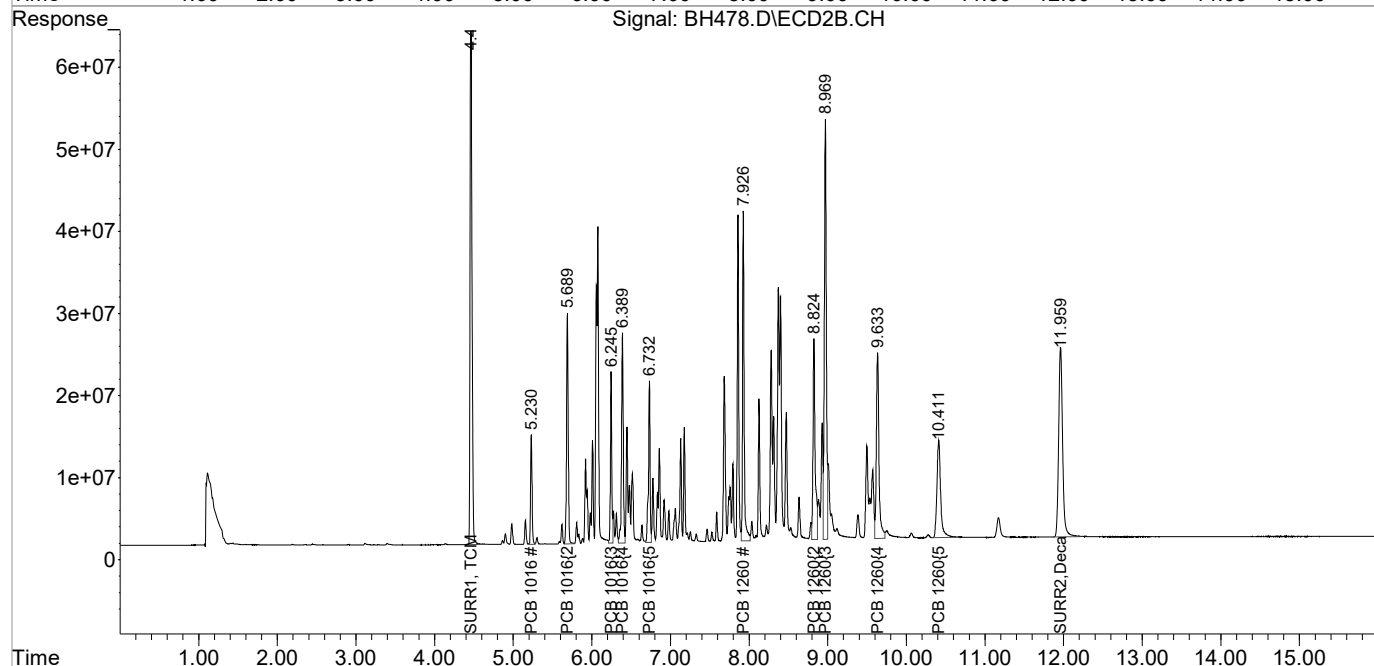
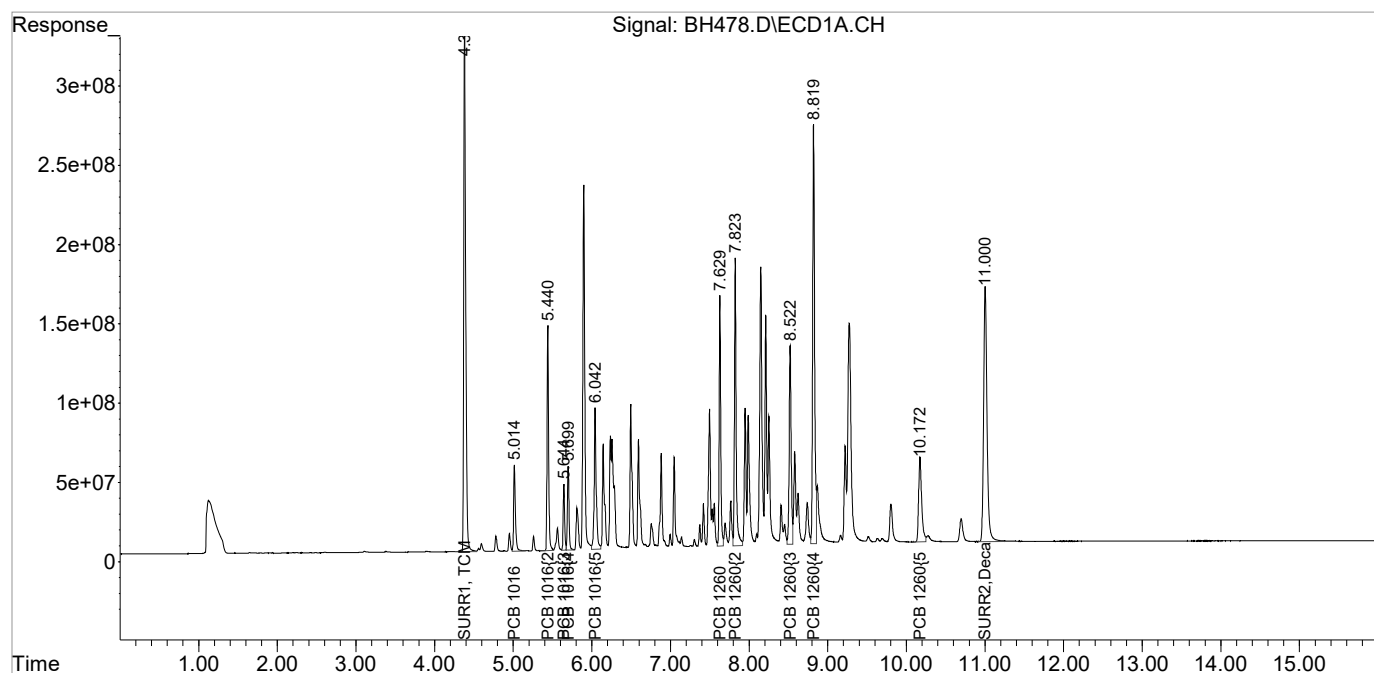
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5791.6E6	1153.6E6	97.096	90.256
Spiked Amount	100.000	Range	30 - 150	Recovery	= 97.10%	90.26%
2) S SURR2, Dec...	11.001	11.960	4833.4E6	808.3E6	85.240	82.005
Spiked Amount	100.000	Range	30 - 150	Recovery	= 85.24%	82.00%
Target Compounds						
3) L1c PCB 1016	5.015	5.231	886.5E6	175.0E6	865.928	768.925
4) L1c PCB 1016{2}	5.441	5.689	1993.0E6	418.3E6	868.701	774.143
5) L1c PCB 1016{3}	5.645	6.246	543.5E6	246.5E6	865.930	793.560
6) L1c PCB 1016{4}	5.700	6.390	738.1E6	396.4E6	848.595	789.595
7) L1c PCB 1016{5}	6.042	6.732	1623.6E6	281.5E6	832.194	726.718
Sum PCB 1016			5784.6E6	1517.6E6	4281.348	3852.941
Average PCB 1016					856.270	770.588
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	2152.5E6	551.3E6	828.833	788.848
34) L7c PCB 1260{2}	7.824	8.825	2703.0E6	466.4E6	907.353	853.234
35) L7c PCB 1260{3}	8.522	8.970	2183.5E6	915.8E6	827.658	892.635
36) L7c PCB 1260{4}	8.819	9.634	4600.3E6	516.9E6	963.825	838.274
37) L7c PCB 1260{5}	10.172	10.411	1442.4E6	394.7E6	845.893	814.905
Sum PCB 1260			13081.7E6	2845.2E6	4373.562	4187.896
Average PCB 1260					874.712	837.579
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH478.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 2:18 am
Operator :
Sample : 1660 H
Misc : INITIAL CAL.
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:26 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH477.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:57 am
 Operator :
 Sample : 1660 MH
 Misc : INITIAL CAL.
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:23 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

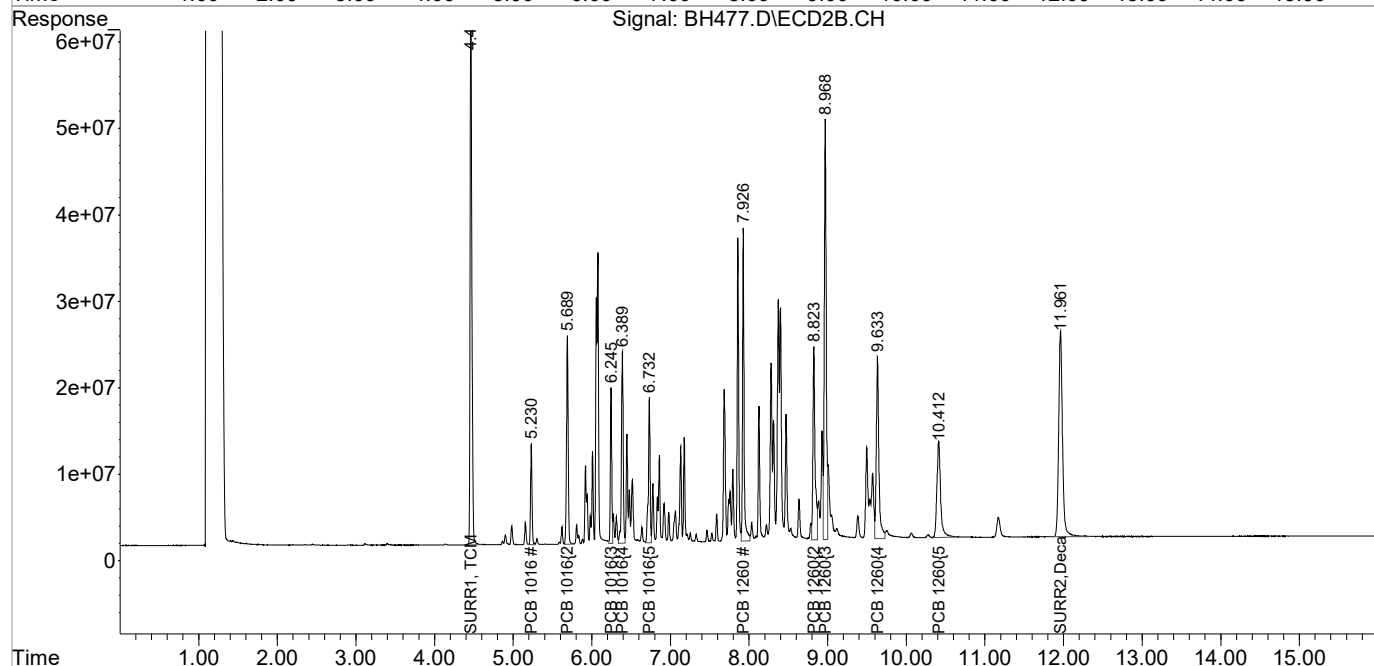
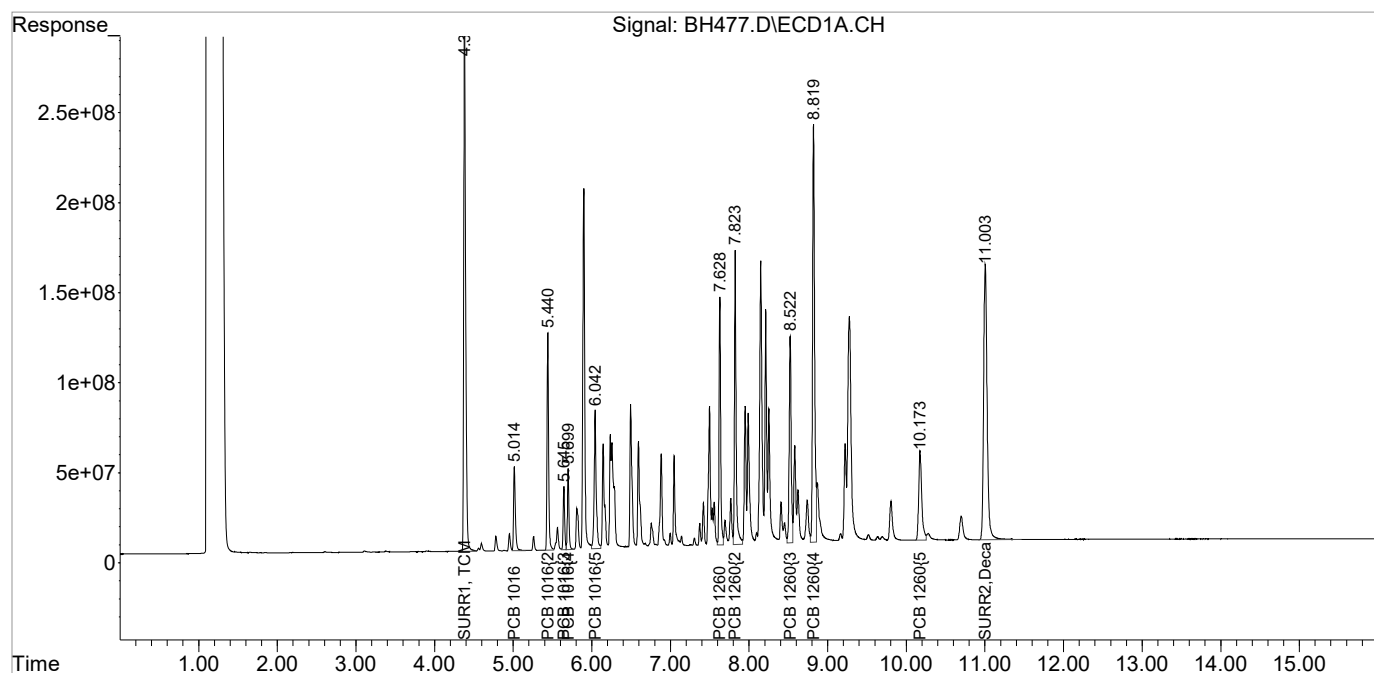
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.462	5129.5E6	1025.3E6	85.995	80.221
Spiked Amount	100.000	Range	30 - 150	Recovery	= 86.00%	80.22%
2) S SURR2, Dec...	11.003	11.961	4764.1E6	802.2E6	84.018	81.379
Spiked Amount	100.000	Range	30 - 150	Recovery	= 84.02%	81.38%
Target Compounds						
3) L1c PCB 1016	5.015	5.230	742.3E6	149.1E6	725.109	655.049
4) L1c PCB 1016{2}	5.441	5.690	1667.6E6	355.9E6	726.893	658.723
5) L1c PCB 1016{3}	5.646	6.245	456.7E6	214.5E6	727.730	690.569
6) L1c PCB 1016{4}	5.700	6.389	617.4E6	344.0E6	709.855	685.203
7) L1c PCB 1016{5}	6.043	6.732	1387.5E6	245.3E6	711.189	633.196
Sum PCB 1016			4871.6E6	1308.7E6	3600.775	3322.741
Average PCB 1016					720.155	664.548
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	1899.3E6	495.1E6	731.336	708.330
34) L7c PCB 1260{2}	7.824	8.824	2411.0E6	420.4E6	809.331	769.111
35) L7c PCB 1260{3}	8.523	8.969	1966.4E6	827.4E6	745.372	806.535
36) L7c PCB 1260{4}	8.820	9.633	4187.2E6	476.4E6	877.277	772.562
37) L7c PCB 1260{5}	10.174	10.412	1337.2E6	365.9E6	784.207	755.458
Sum PCB 1260			11801.1E6	2585.3E6	3947.524	3811.996
Average PCB 1260					789.505	762.399
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH477.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:57 am
Operator :
Sample : 1660 MH
Misc : INITIAL CAL.
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:23 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

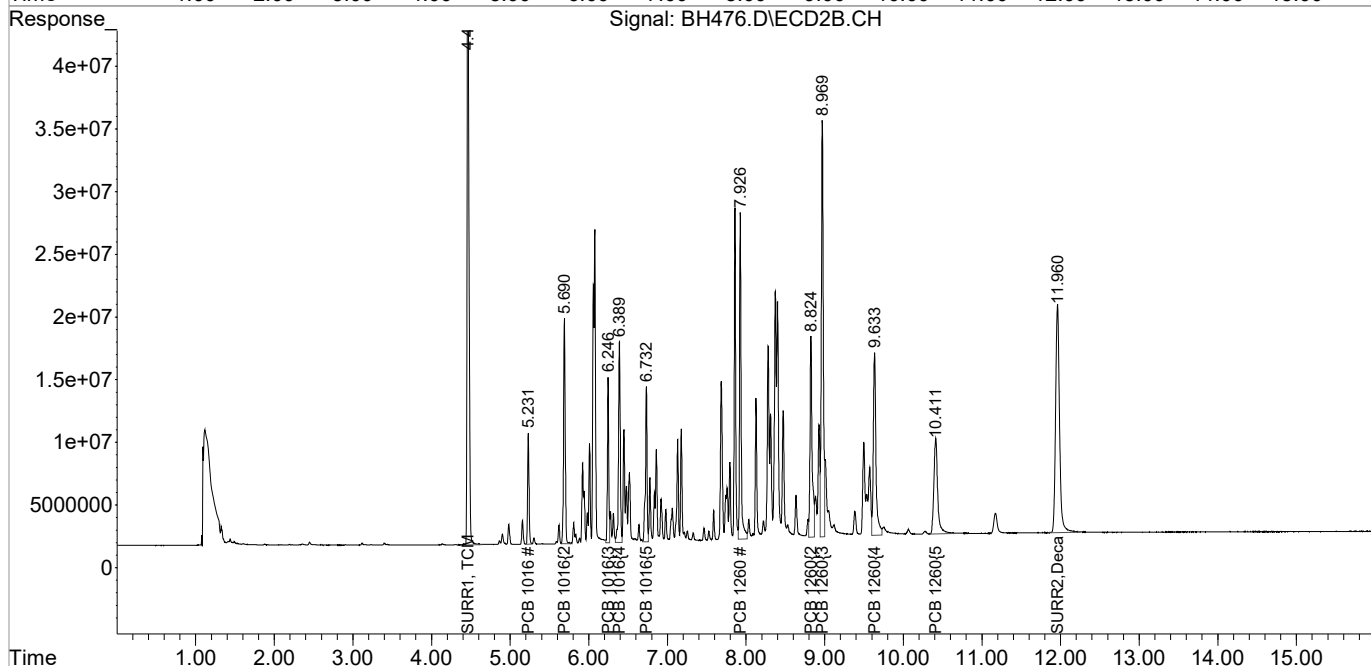
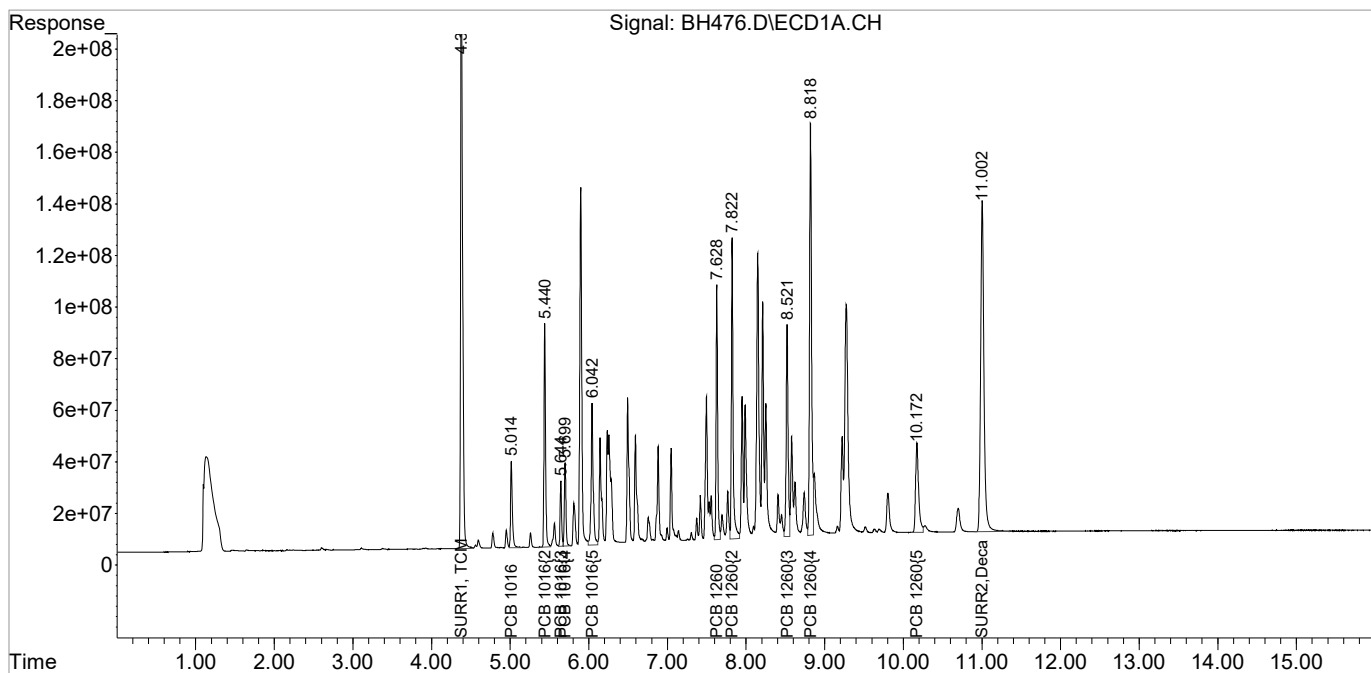
System Monitoring Compounds						
1) S SURR1, TCMX	4.380	4.462	4153.4E6	844.2E6	69.631	66.047
Spiked Amount	100.000	Range	30 - 150	Recovery	= 69.63%	66.05%
2) S SURR2, Dec...	11.002	11.961	3755.8E6	633.2E6	66.236	64.236
Spiked Amount	100.000	Range	30 - 150	Recovery	= 66.24%	64.24%
Target Compounds						
3) L1c PCB 1016	5.015	5.231	545.3E6	110.9E6	532.657	487.230
4) L1c PCB 1016{2}	5.440	5.690	1218.7E6	264.9E6	531.194	490.354
5) L1c PCB 1016{3}	5.645	6.246	332.6E6	157.8E6	530.003	507.836
6) L1c PCB 1016{4}	5.699	6.389	452.6E6	252.8E6	520.292	503.557
7) L1c PCB 1016{5}	6.042	6.733	1008.8E6	180.4E6	517.086	465.690
Sum PCB 1016			3557.9E6	966.7E6	2631.232	2454.668
Average PCB 1016					526.246	490.934
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.628	7.927	1361.7E6	360.4E6	524.317	515.643
34) L7c PCB 1260{2}	7.823	8.825	1723.1E6	300.1E6	578.426	548.909
35) L7c PCB 1260{3}	8.522	8.969	1392.9E6	593.5E6	527.988	578.474
36) L7C PCB 1260{4}	8.818	9.634	2904.7E6	336.8E6	608.569m	546.234
37) L7C PCB 1260{5}	10.172	10.411	934.5E6	256.9E6	548.056	530.355
Sum PCB 1260			8316.9E6	1847.6E6	2787.356	2719.615
Average PCB 1260					557.471	543.923
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH476.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:37 am
Operator :
Sample : 1660 M
Misc : INITIAL CAL.
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:20 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

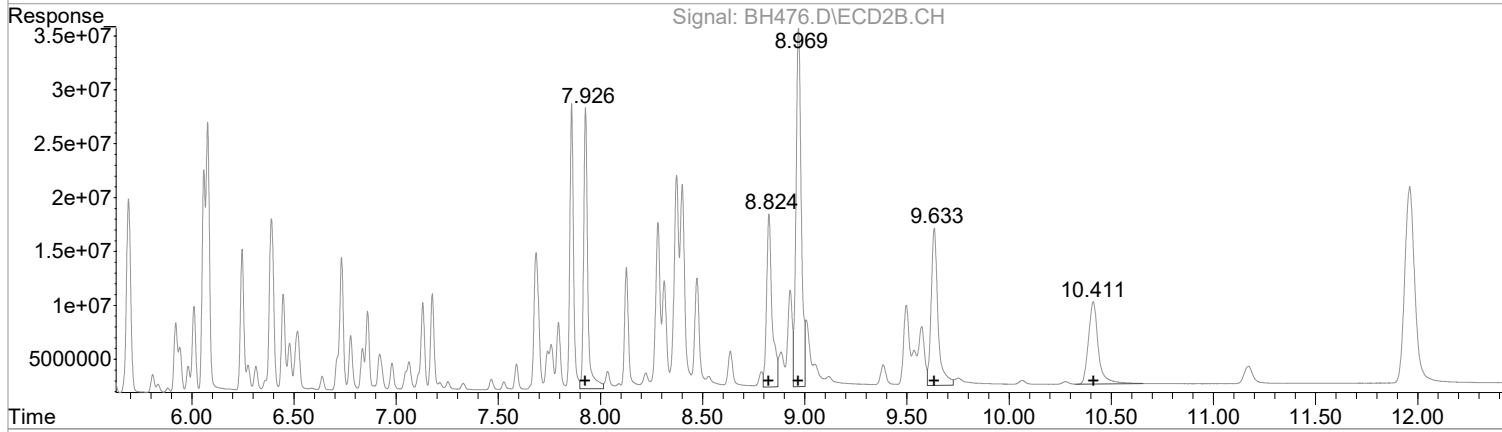
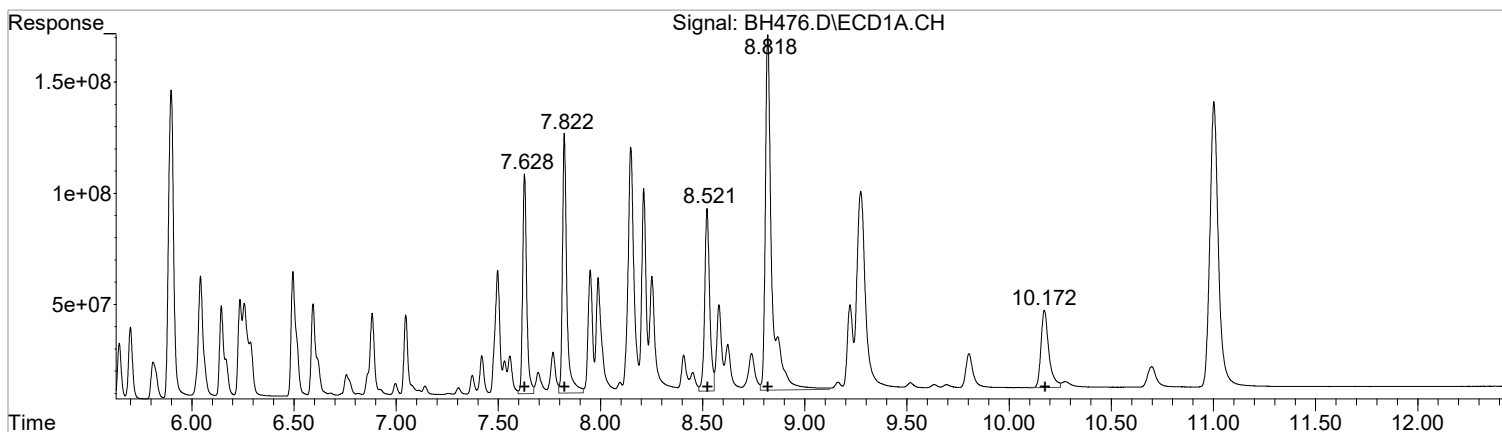
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	1361672046	524.32
7.82	1723144483	578.43
8.52	1392903967	527.99
8.82	3590338192	752.23
10.17	934510027	548.06

Manual Integration:
 Before
 04/22/19

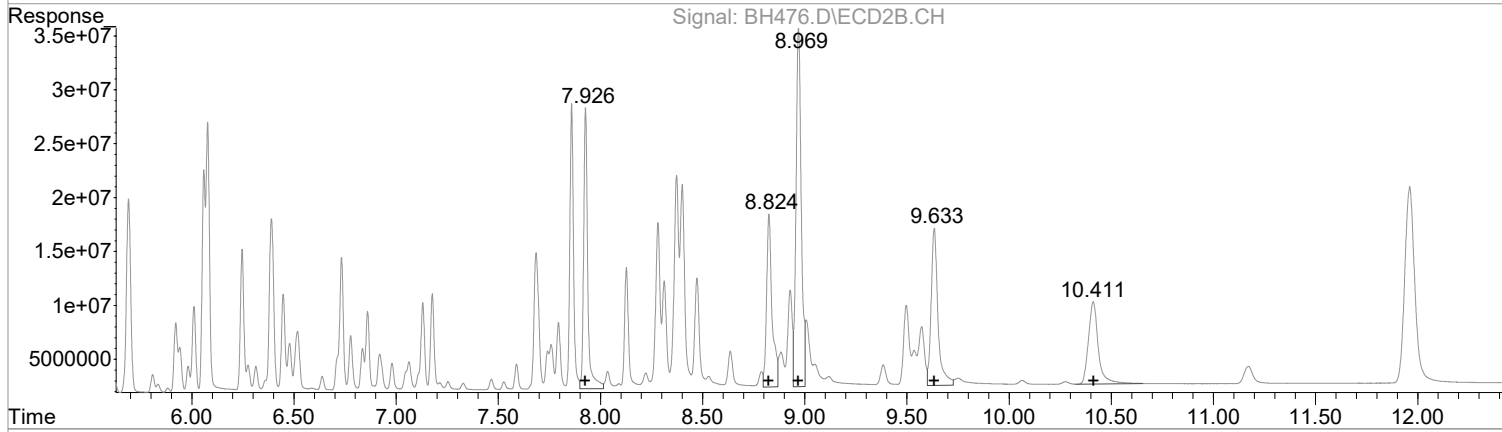
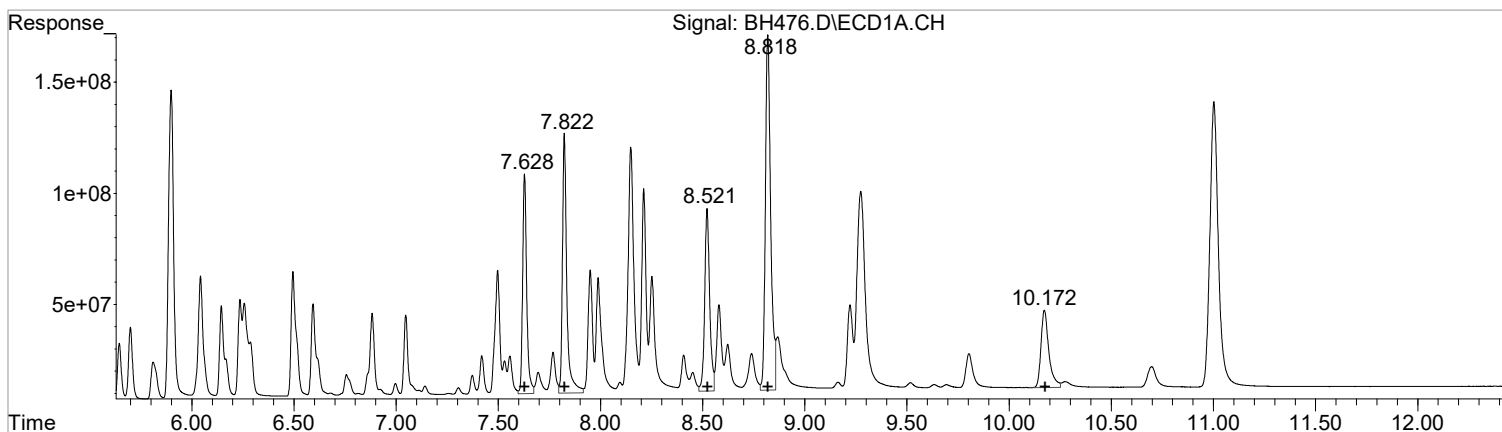
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	360386643	515.64
8.82	300065050	548.91
8.97	593459147	578.47
9.63	336848402	546.23
10.41	256885475	530.36

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH476.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:37 am
 Operator :
 Sample : 1660 M
 Misc : INITIAL CAL.
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:20 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	1361672046	524.32
7.82	1723144483	578.43
8.52	1392903967	527.99
8.82	2904668175	608.57
10.17	934510027	548.06

Manual Integration:
 After
 Poor integration.
 04/22/19

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	360386643	515.64
8.82	300065050	548.91
8.97	593459147	578.47
9.63	336848402	546.23
10.41	256885475	530.36

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH475.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 1:18 am
 Operator :
 Sample : 1660 ML
 Misc : INITIAL CAL.
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:17 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

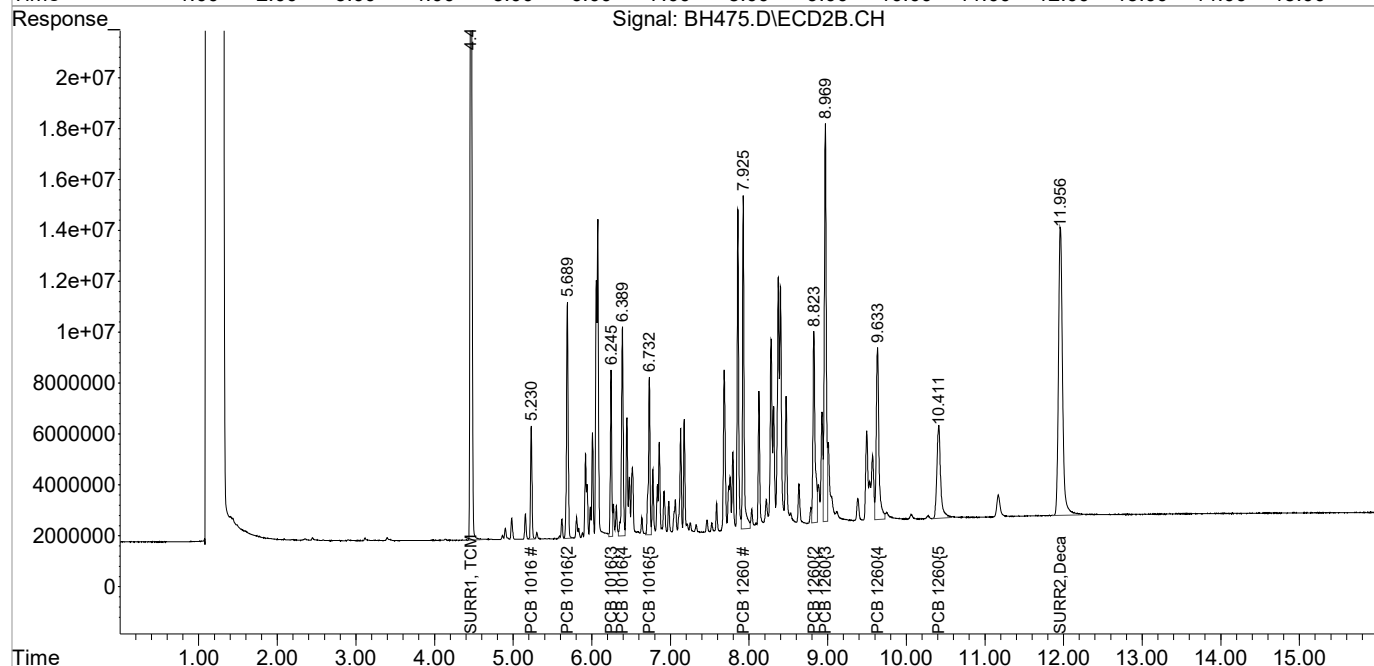
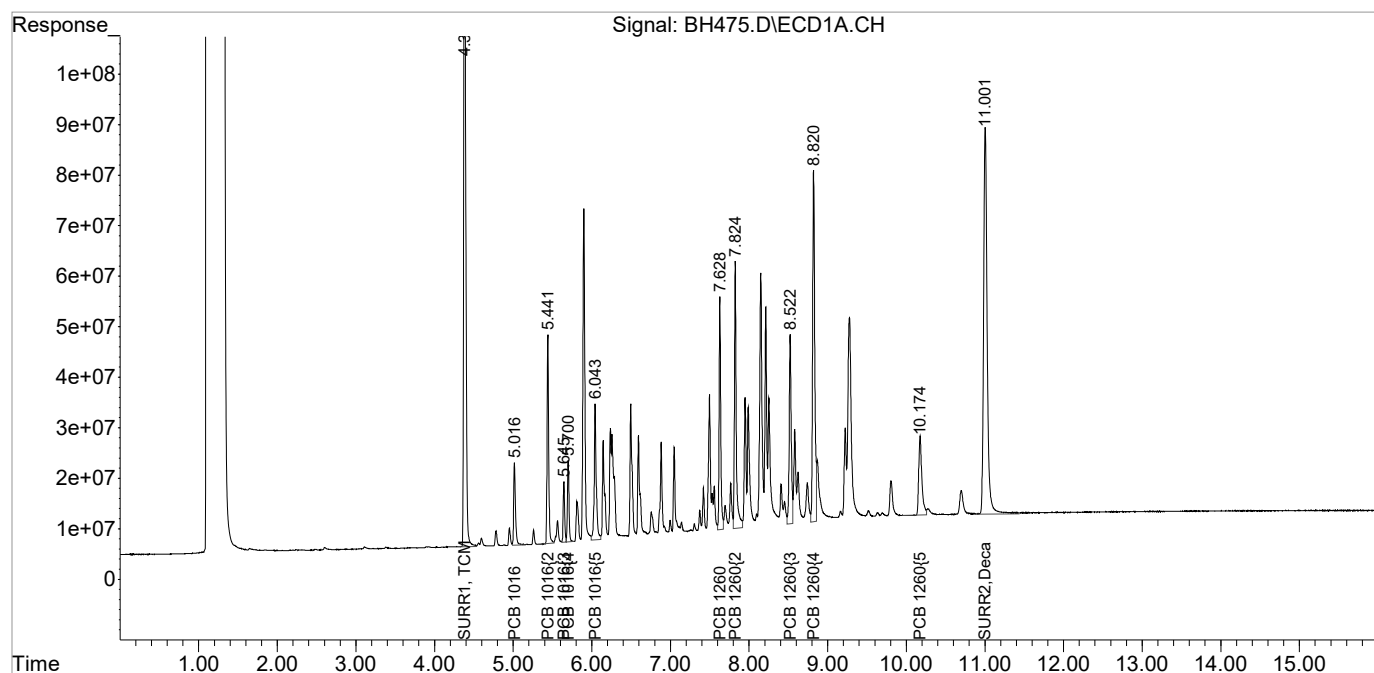
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	2647.6E6	547.0E6	44.386	42.798
Spiked Amount	100.000	Range	30 - 150	Recovery	= 44.39%	42.80%
2) S SURR2, Dec...	11.002	11.957	2429.4E6	405.1E6	42.843	41.095
Spiked Amount	100.000	Range	30 - 150	Recovery	= 42.84%	41.09%
Target Compounds						
3) L1c PCB 1016	5.017	5.231	270.9E6	56730239	264.645	249.274
4) L1c PCB 1016{2}	5.442	5.690	590.9E6	135.2E6	257.561	250.147
5) L1c PCB 1016{3}	5.646	6.245	158.4E6	78906876	252.343	254.013
6) L1c PCB 1016{4}	5.701	6.390	219.1E6	126.7E6	251.948	252.337
7) L1c PCB 1016{5}	6.043	6.732	487.8E6	90276744	250.016	233.074
Sum PCB 1016			1727.1E6	487.7E6	1276.514	1238.844
Average PCB 1016					255.303	247.769
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.926	657.2E6	176.1E6	253.050	252.026
34) L7c PCB 1260{2}	7.825	8.823	835.9E6	143.7E6	280.596	262.817
35) L7c PCB 1260{3}	8.523	8.970	666.0E6	273.8E6	252.445	266.850
36) L7C PCB 1260{4}	8.820	9.633	1327.8E6	158.1E6	278.192m	256.364
37) L7C PCB 1260{5}	10.175	10.412	428.9E6	120.9E6	251.510	249.585
Sum PCB 1260			3915.7E6	872.6E6	1315.792	1287.641
Average PCB 1260					263.158	257.528
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:18 am
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

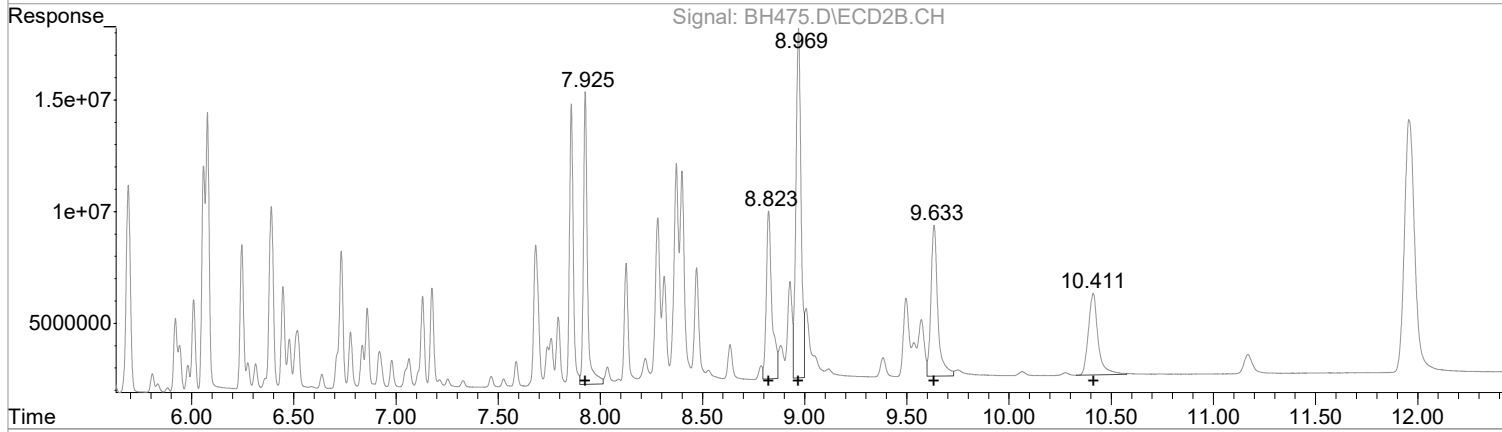
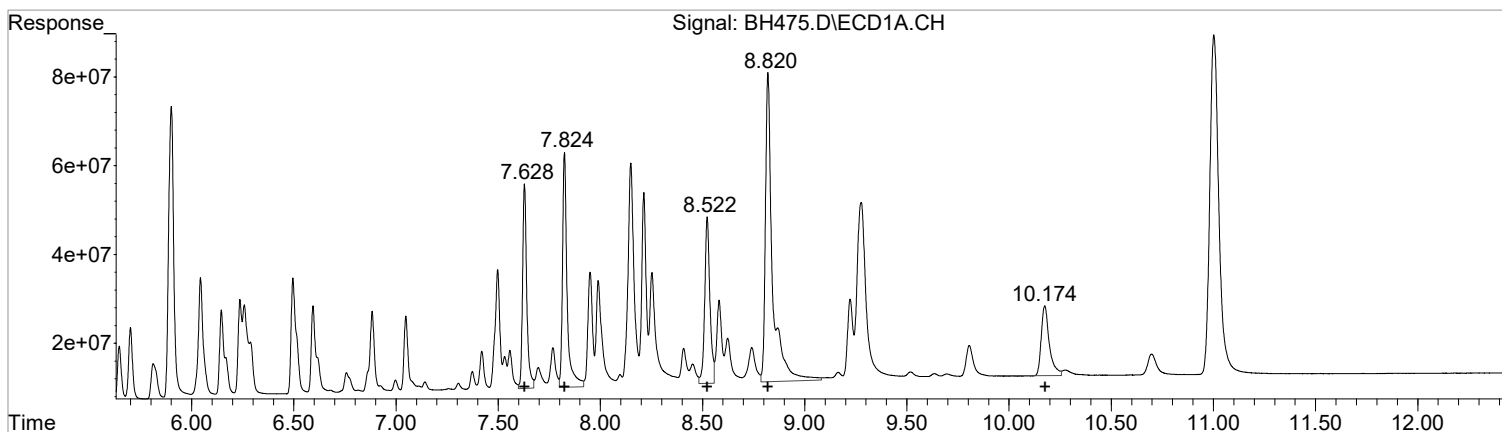
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:18 am
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	657180687	253.05
7.82	835901639	280.60
8.52	665983027	252.44
8.82	1703446462	356.90
10.17	428858492	251.51

Manual Integration:
Before
04/22/19

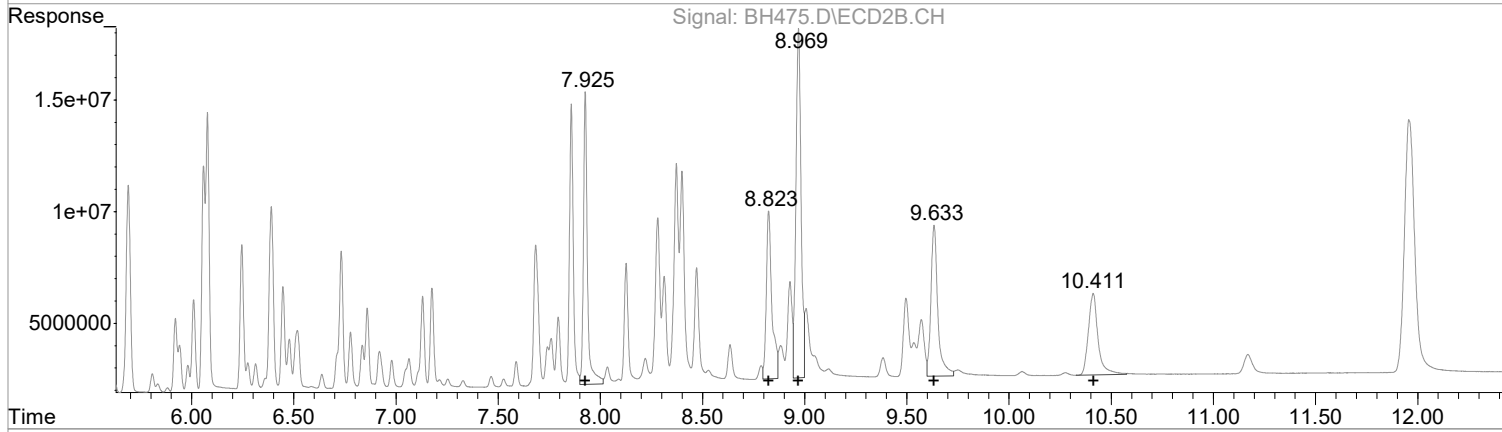
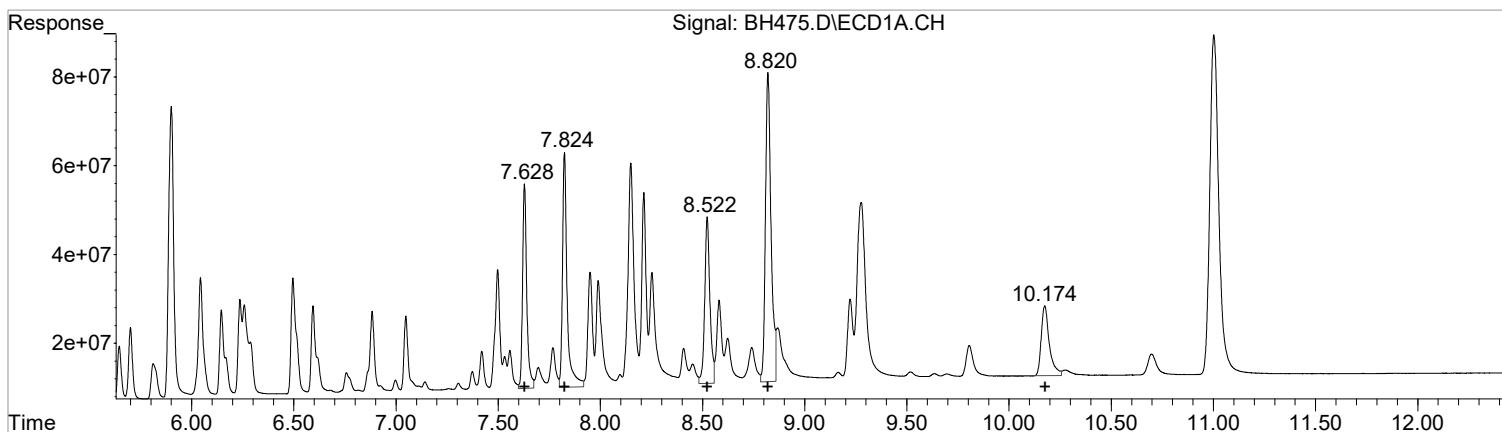
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	176142949	252.03
8.82	143670448	262.82
8.97	273762758	266.85
9.63	158093103	256.36
10.41	120889978	249.58

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH475.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 1:18 am
Operator :
Sample : 1660 ML
Misc : INITIAL CAL.
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:17 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	657180687	253.05
7.82	835901639	280.60
8.52	665983027	252.44
8.82	1327797482	278.19
10.17	428858492	251.51

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	176142949	252.03
8.82	143670448	262.82
8.97	273762758	266.85
9.63	158093103	256.36
10.41	120889978	249.58

Manual Integration:
After
Poor integration.
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH474.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:57 am
 Operator :
 Sample : 1660 L
 Misc : INITIAL CAL.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

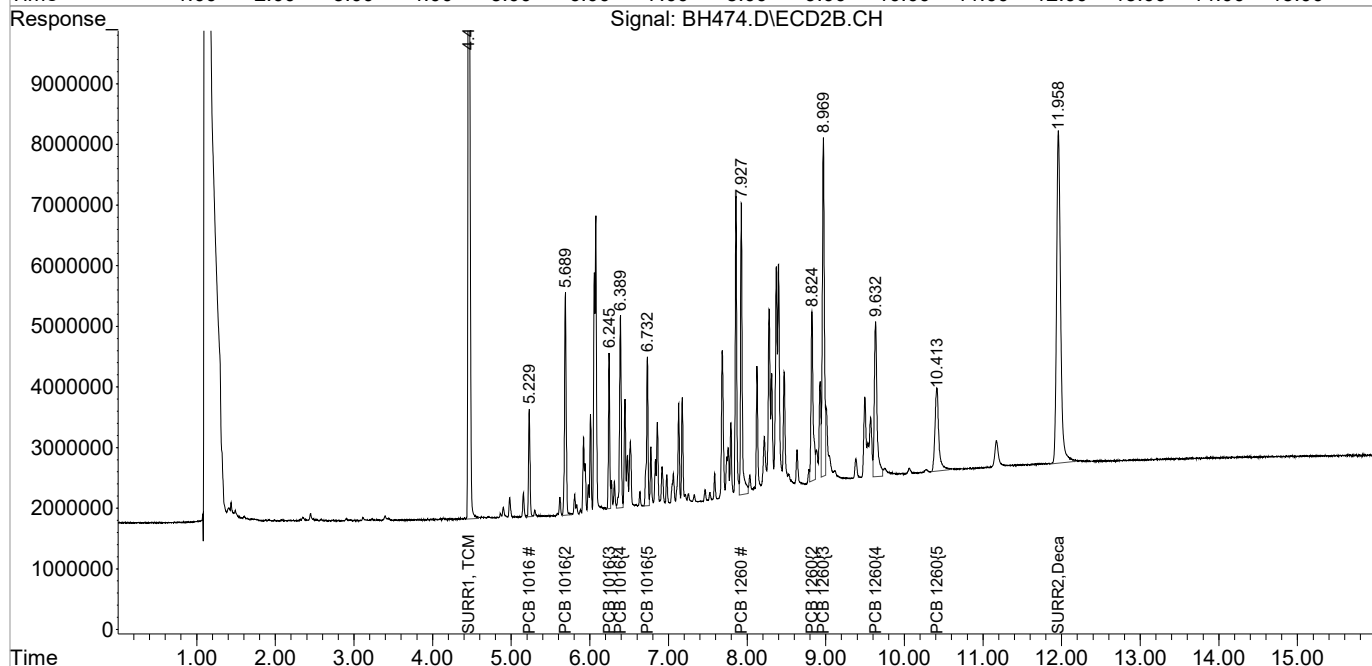
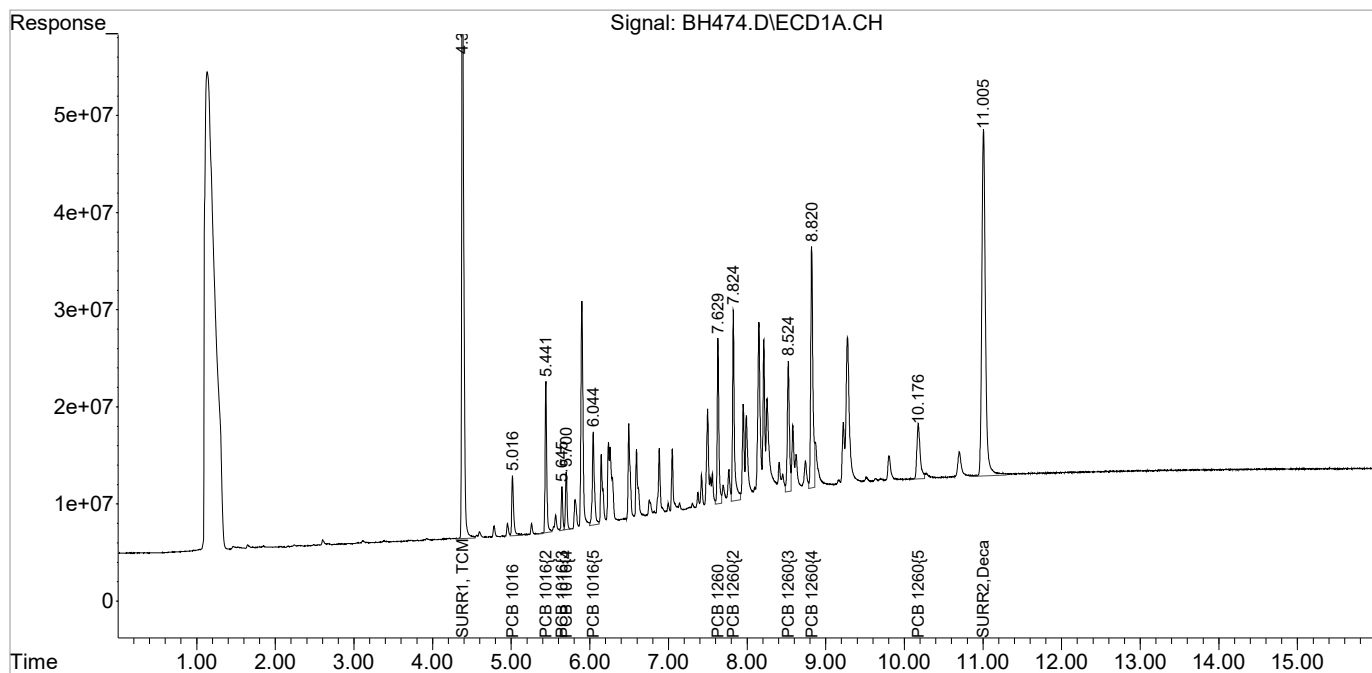
System Monitoring Compounds						
1) S SURR1, TCMX	4.381	4.461	1197.1E6	256.5E6	20.069	20.067
Spiked Amount	100.000	Range	30 - 150	Recovery	=	20.07%# 20.07%#
2) S SURR2, Dec...	11.006	11.958	1149.4E6	194.1E6	20.271	19.692
Spiked Amount	100.000	Range	30 - 150	Recovery	=	20.27%# 19.69%#
Target Compounds						
3) L1c PCB 1016	5.017	5.230	108.1E6	22669893	105.623	99.612
4) L1c PCB 1016{2}	5.441	5.689	225.8E6	54121713	98.434	100.173
5) L1c PCB 1016{3}	5.646	6.245	59435905	29972484	94.701	96.486
6) L1c PCB 1016{4}	5.701	6.390	82335980	48336507	94.659	96.286
7) L1c PCB 1016{5}	6.044	6.732	181.3E6	34386649	92.932	88.778
Sum PCB 1016			657.0E6	189.5E6	486.350	481.335
Average PCB 1016					97.270	96.267
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.630	7.927	250.1E6	69999074	96.294	100.155
34) L7c PCB 1260{2}	7.825	8.824	319.2E6	52838991	107.144	96.658
35) L7c PCB 1260{3}	8.524	8.969	246.8E6	101.3E6	93.551	98.708
36) L7C PCB 1260{4}	8.820	9.633	482.0E6	61221773	100.978m	99.277
37) L7C PCB 1260{5}	10.176	10.413	164.9E6	46282185	96.727	95.552
Sum PCB 1260			1463.0E6	331.6E6	494.694	490.351
Average PCB 1260					98.939	98.070
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:57 am
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

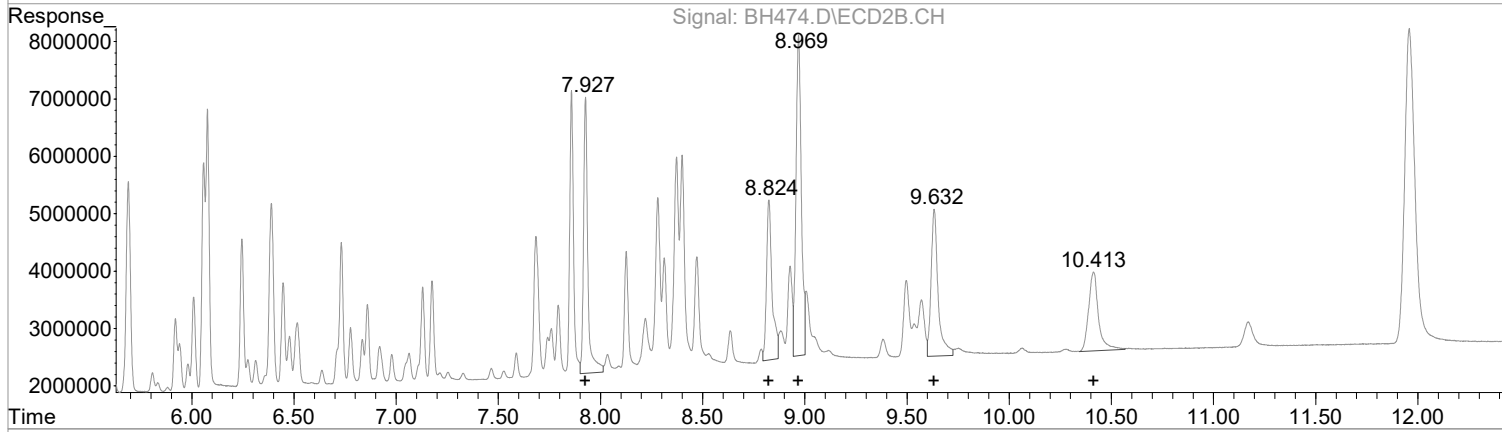
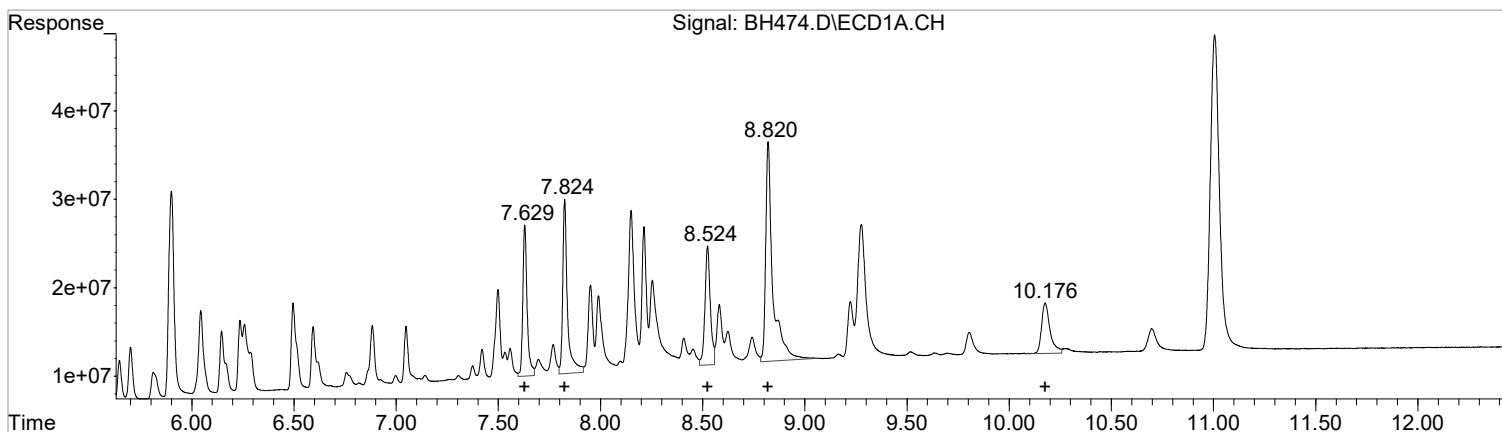
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH474.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:57 am
Operator :
Sample : 1660 L
Misc : INITIAL CAL.
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:14 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	250078880	96.29
7.82	319185499	107.14
8.52	246800880	93.55
8.82	599261397	125.55
10.18	164932871	96.73

Manual Integration:
Before
04/22/19

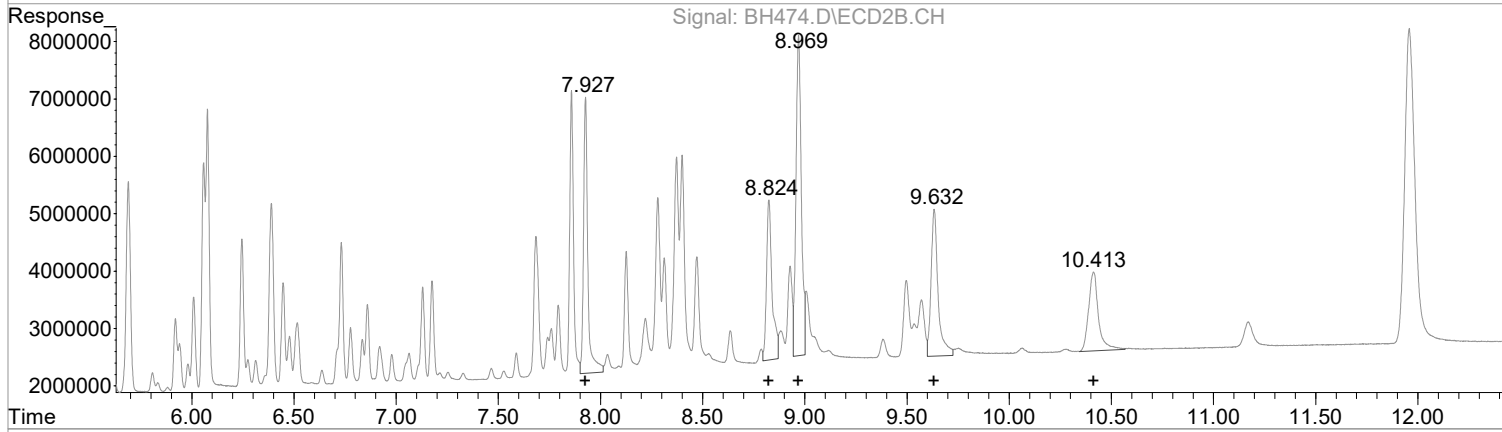
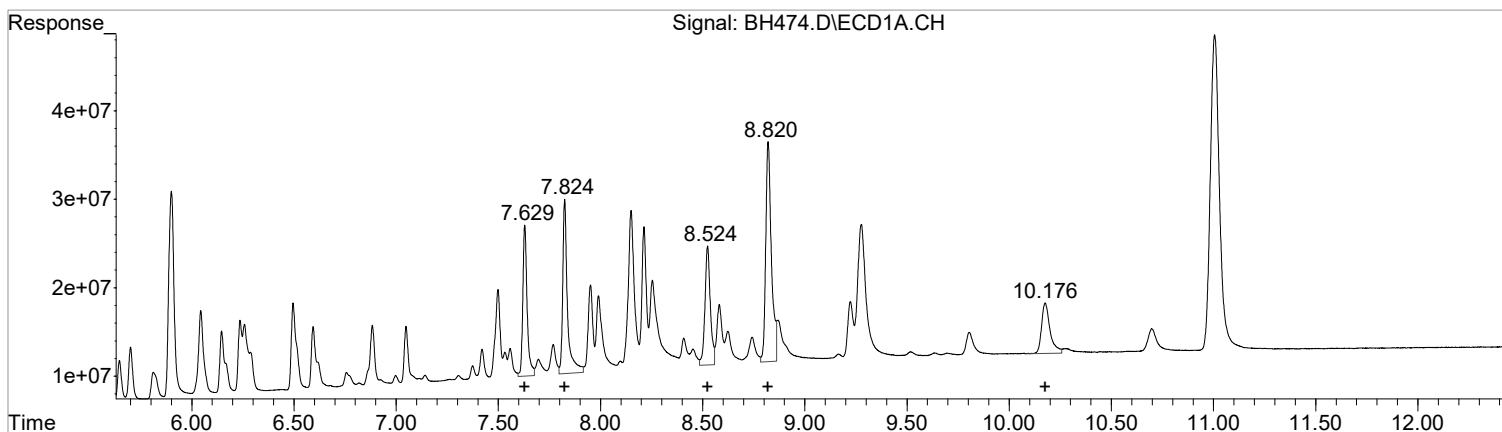
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	69999074	100.15
8.82	52838991	96.66
8.97	101265191	98.71
9.63	61221773	99.28
10.41	46282185	95.55

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH474.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:57 am
 Operator :
 Sample : 1660 L
 Misc : INITIAL CAL.
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:12:14 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 13:58:32 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	250078880	96.29
7.82	319185499	107.14
8.52	246800880	93.55
8.82	481962945	100.98
10.18	164932871	96.73

(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	69999074	100.15
8.82	52838991	96.66
8.97	101265191	98.71
9.63	61221773	99.28
10.41	46282185	95.55

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

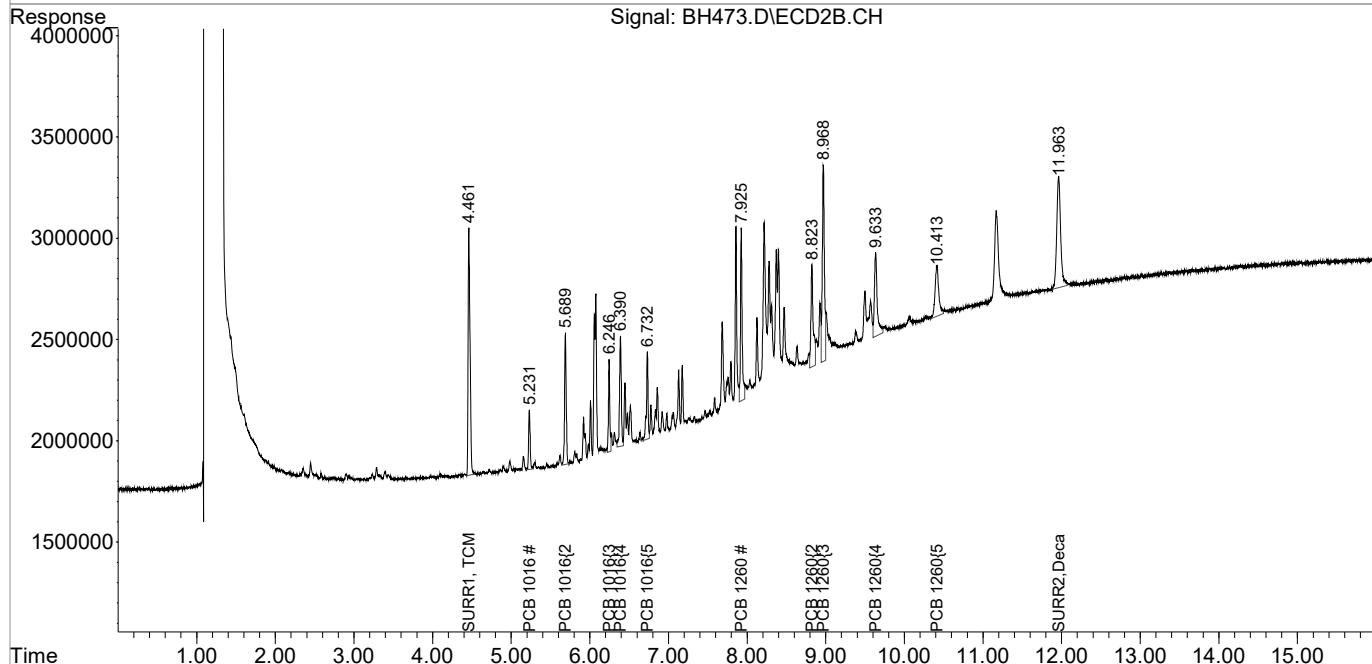
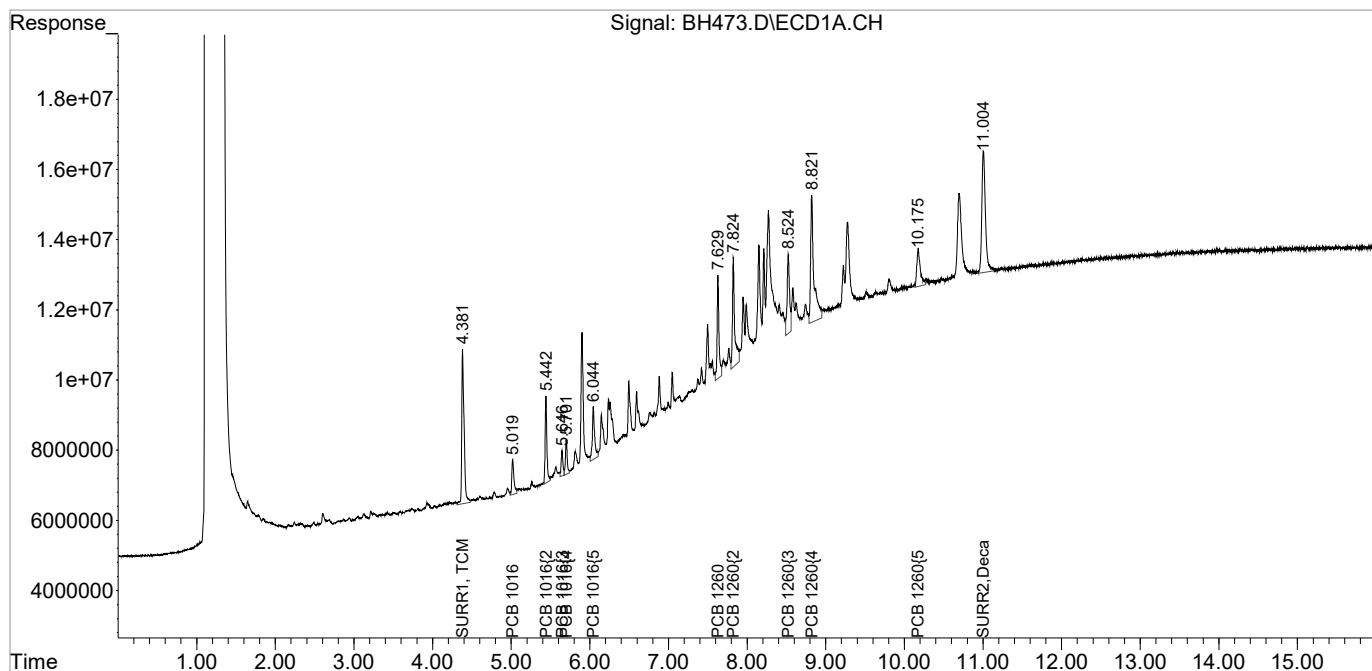
System Monitoring Compounds						
1) S SURR1, TCMX	4.382	4.462	91108767	20593824	1.507	1.643
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.51%#	1.64%#
2) S SURR2, Dec...	11.004	11.962	110.7E6	19056708	1.908m	1.971
Spiked Amount	100.000	Range	30 - 150	Recovery =	1.91%#	1.97%#
Target Compounds						
3) L1c PCB 1016	5.019	5.231	19744208	3906973	19.725m	18.836
4) L1c PCB 1016{2}	5.442	5.690	38670252	9511745	17.666m	19.151
5) L1c PCB 1016{3}	5.646	6.246	11467828	5519371	19.397m	19.277m
6) L1c PCB 1016{4}	5.701	6.390	14944810	8647594	18.567m	18.643
7) L1c PCB 1016{5}	6.044	6.732	31874081	6390440	18.067m	19.232
Sum PCB 1016			116.7E6	33976124	93.422	95.139
Average PCB 1016					18.684	19.028
Sum PCB 1221			0	0	N.D.	N.D.
Average PCB 1221					0.000	0.000
Sum PCB 1232			0	0	N.D.	N.D.
Average PCB 1232					0.000	0.000
Sum PCB 1242			0	0	N.D.	N.D.
Average PCB 1242					0.000	0.000
Sum PCB 1248			0	0	N.D.	N.D.
Average PCB 1248					0.000	0.000
Sum PCB 1254			0	0	N.D.	N.D.
Average PCB 1254					0.000	0.000
33) L7c PCB 1260	7.629	7.925	48288429	12347318	18.345m	18.416m
34) L7c PCB 1260{2}	7.824	8.824	61869869	10328252	18.407m	19.087
35) L7c PCB 1260{3}	8.524	8.969	48084436	17739447	17.969m	17.166
36) L7c PCB 1260{4}	8.821	9.634	105.7E6	10294981	18.522m	17.229
37) L7c PCB 1260{5}	10.175	10.414	33777738	8259689	19.741m	17.984
Sum PCB 1260			297.7E6	58969688	92.984	89.882
Average PCB 1260					18.597	17.976
Sum PCB 1268			0	0	N.D.	N.D.
Average PCB 1268					0.000	0.000
Sum PCB 1262			0	0	N.D.	N.D.
Average PCB 1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

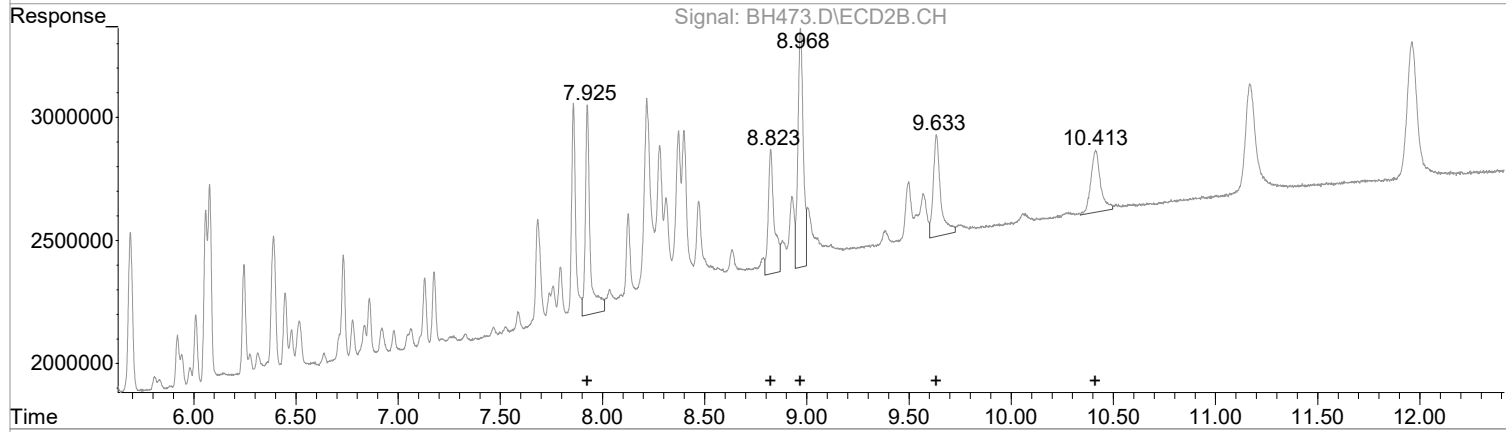
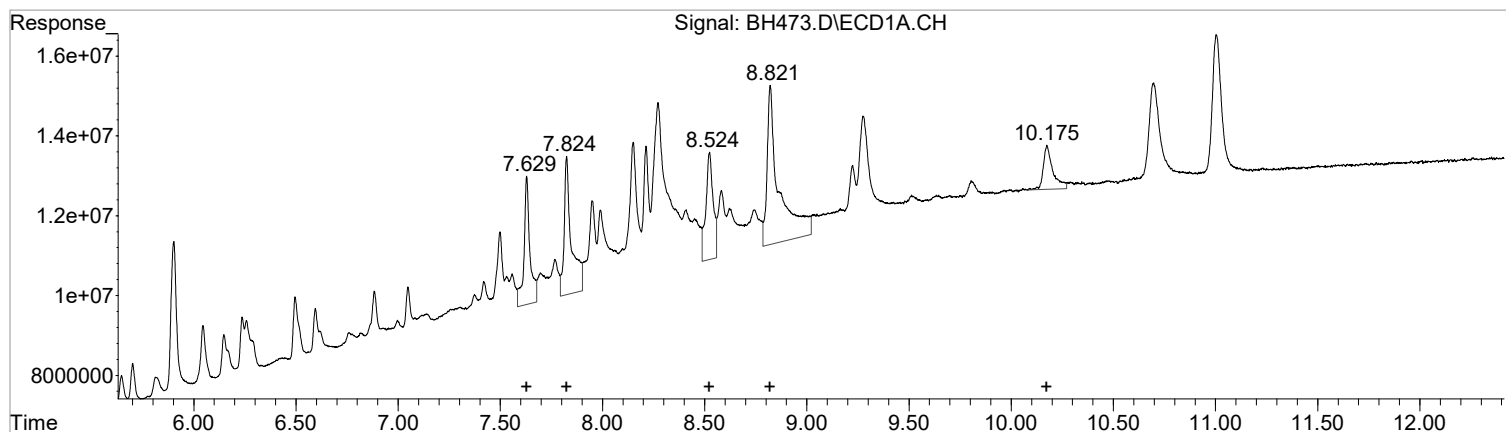
Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	65105086	24.73
7.82	85357881	25.39
8.52	66659194	24.91
8.82	162158252	28.42
10.18	36147872	21.13

Manual Integration:
 Before
 04/22/19

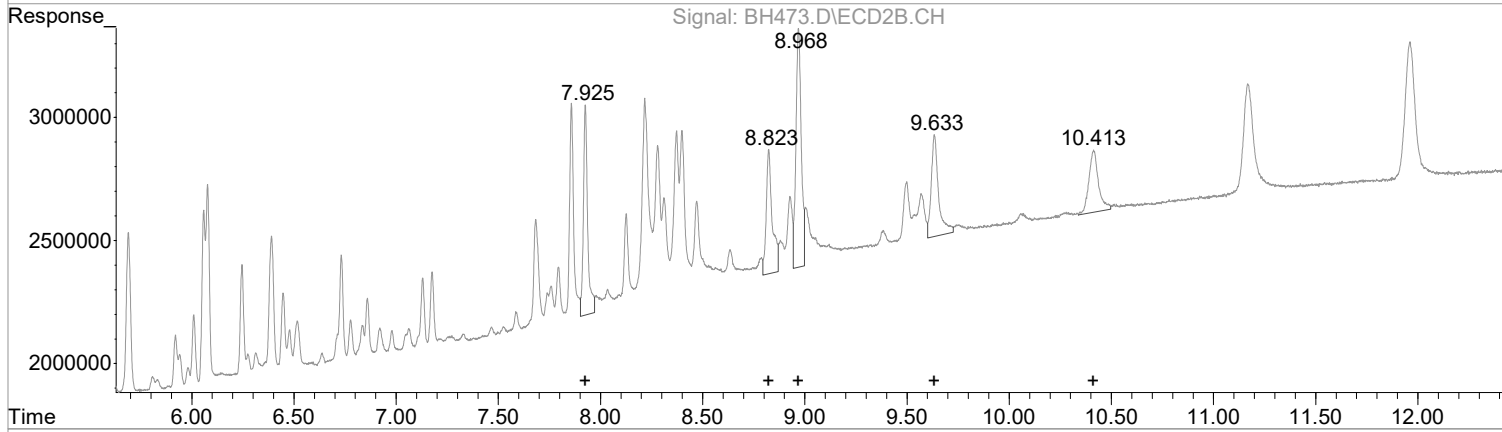
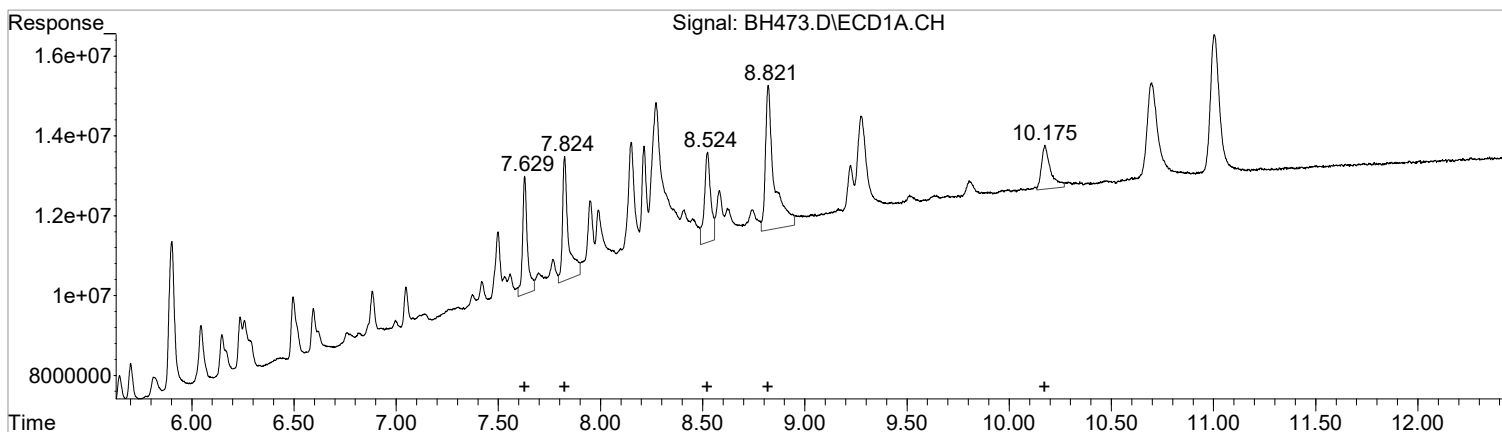
(33) PCB 1260 #2 (L7c)

R.T.	Response	Conc
7.93	13718985	20.46
8.82	10328252	19.09
8.97	17739447	17.17
9.63	10294981	17.23
10.41	8259689	17.98

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(33) PCB 1260 (L7c)

R.T.	Response	Conc
7.63	48288429	18.35
7.82	61869869	18.41
8.52	48084436	17.97
8.82	105674763	18.52
10.17	33777738	19.74

(33) PCB 1260 #2 (L7c)

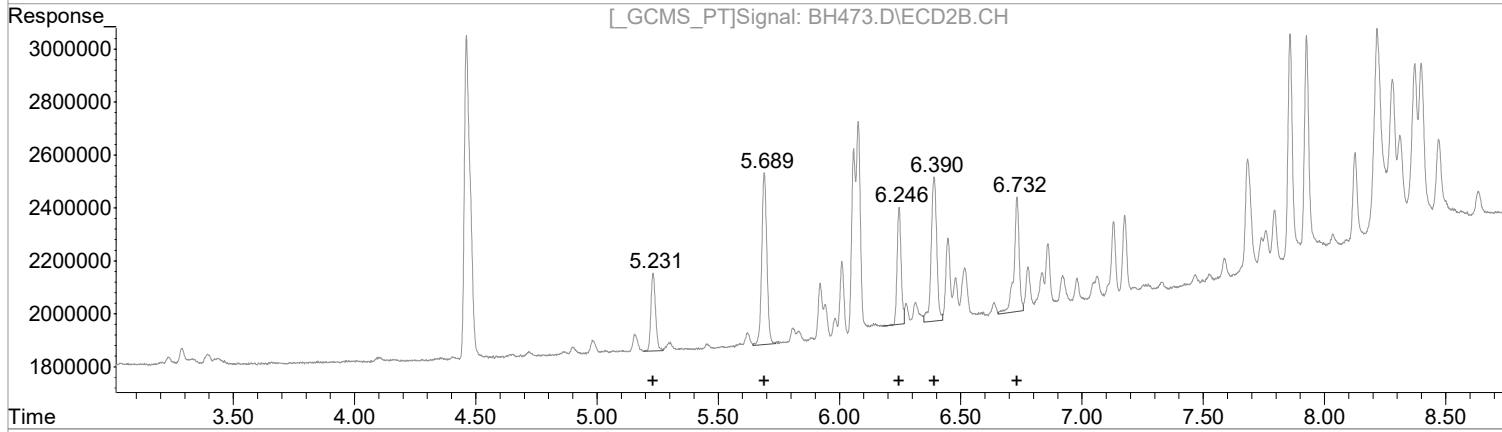
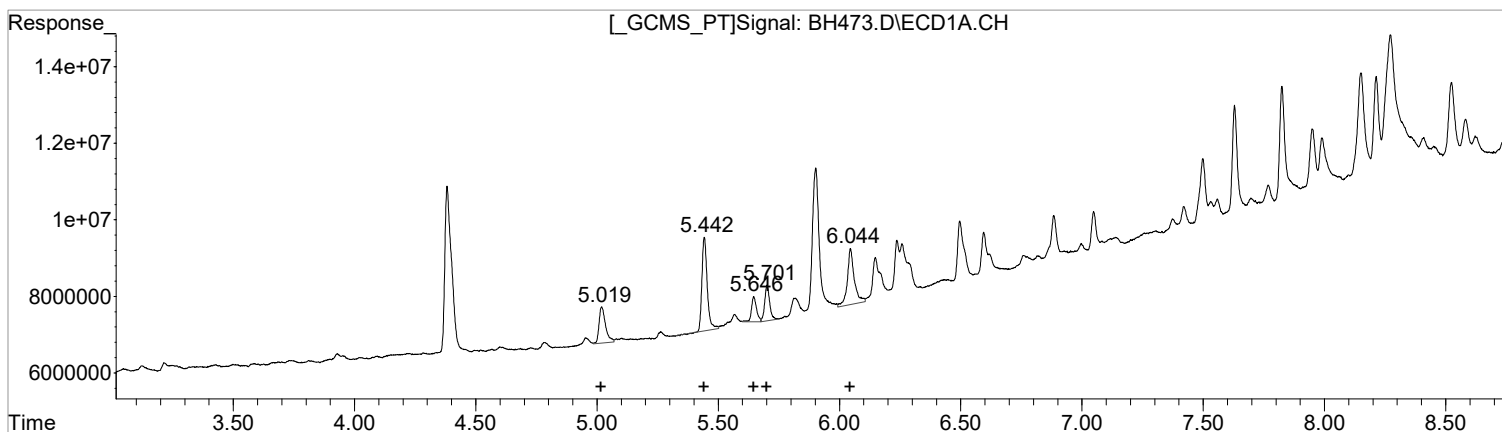
R.T.	Response	Conc
7.93	12347318	18.42
8.82	10328252	19.09
8.97	17739447	17.17
9.63	10294981	17.23
10.41	8259689	17.98

Manual Integration:
 After
 Poor integration.
 04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(3) PCB 1016 (L1c)

R.T.	Response	Conc
5.02	17481600	17.46
5.44	36818158	16.82
5.65	11485920	19.43
5.70	13259662	16.47
6.05	29318403	16.62

Manual Integration:
Before
04/22/19

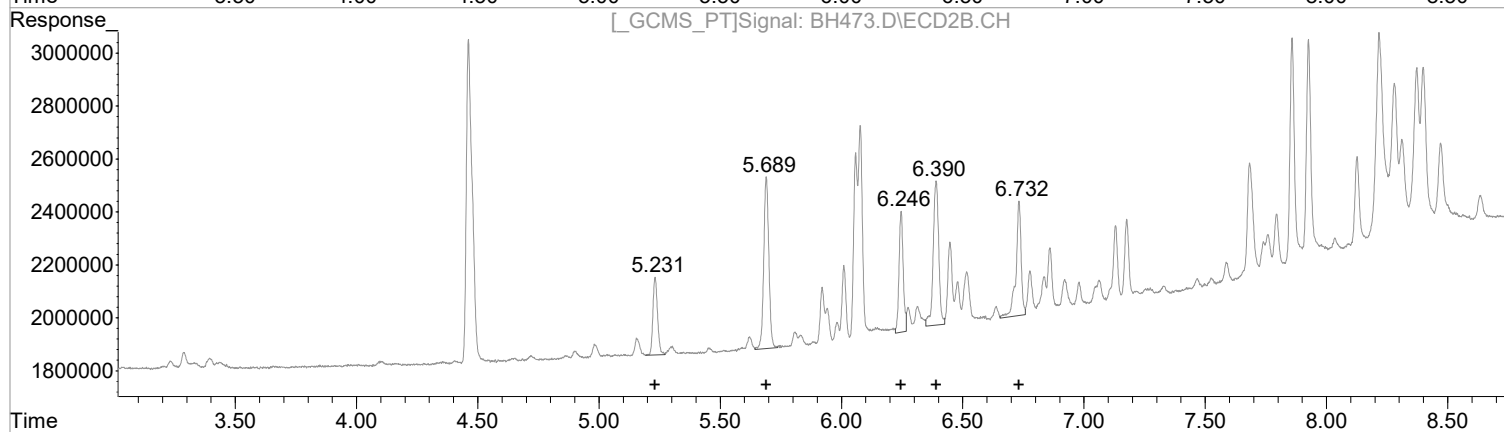
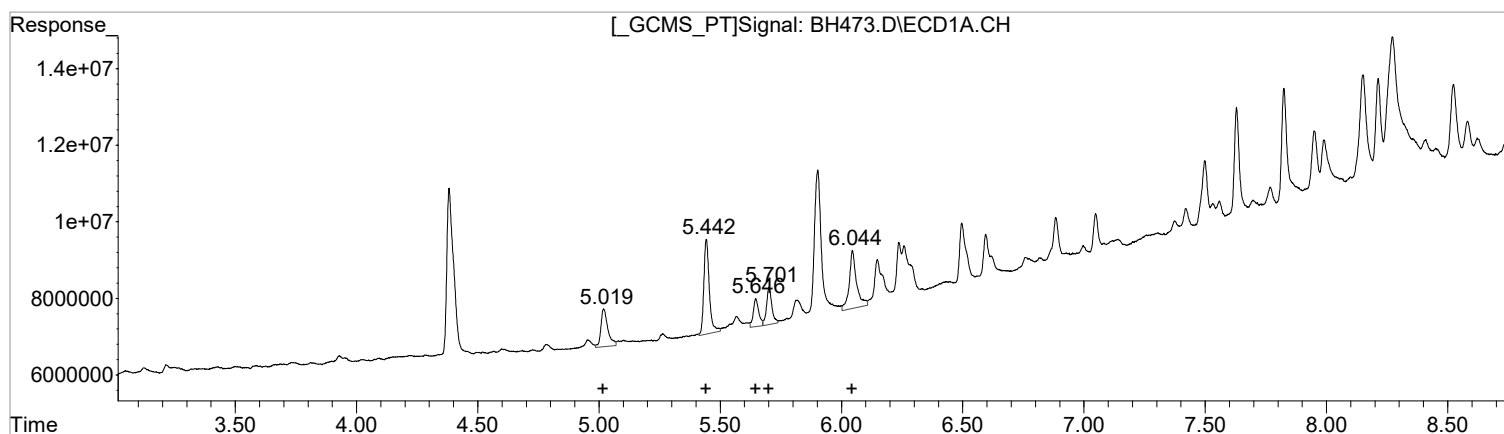
(3) PCB 1016 #2 (L1c)

R.T.	Response	Conc
5.23	3906973	18.84
5.69	9511745	19.15
6.25	5090227	17.78
6.39	8647594	18.64
6.73	6390440	19.23

Data Path : I:\ACQUDATA\6890G\Data\041619\
 Data File : BH473.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2019 12:37 am
 Operator :
 Sample : 1660 LL
 Misc : INITIAL CAL.
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
 Integration File signal 2: AUTOINT2.E
 Quant Time: Apr 22 14:55:10 2019
 Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
 Quant Title : 608/8082 PCB'S
 QLast Update : Mon Apr 22 14:54:00 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
 Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



(3) PCB 1016 (L1c)

R.T.	Response	Conc
5.02	19744208	19.72
5.44	38670252	17.67
5.65	11467828	19.40
5.70	14944810	18.57
6.04	31874081	18.07

Manual Integration:
 After
 Poor integration.
 04/22/19

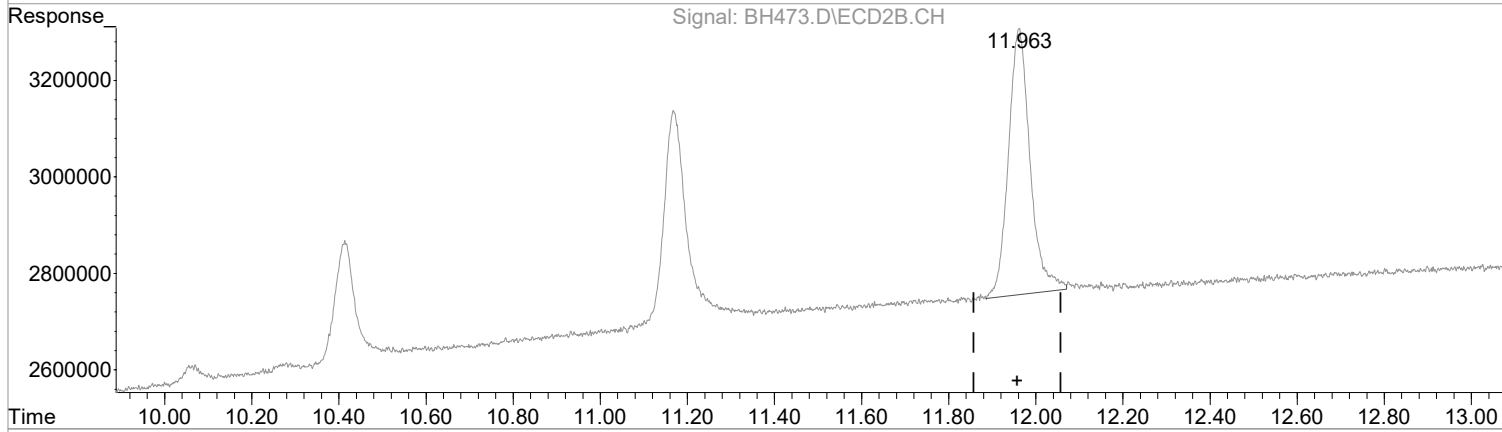
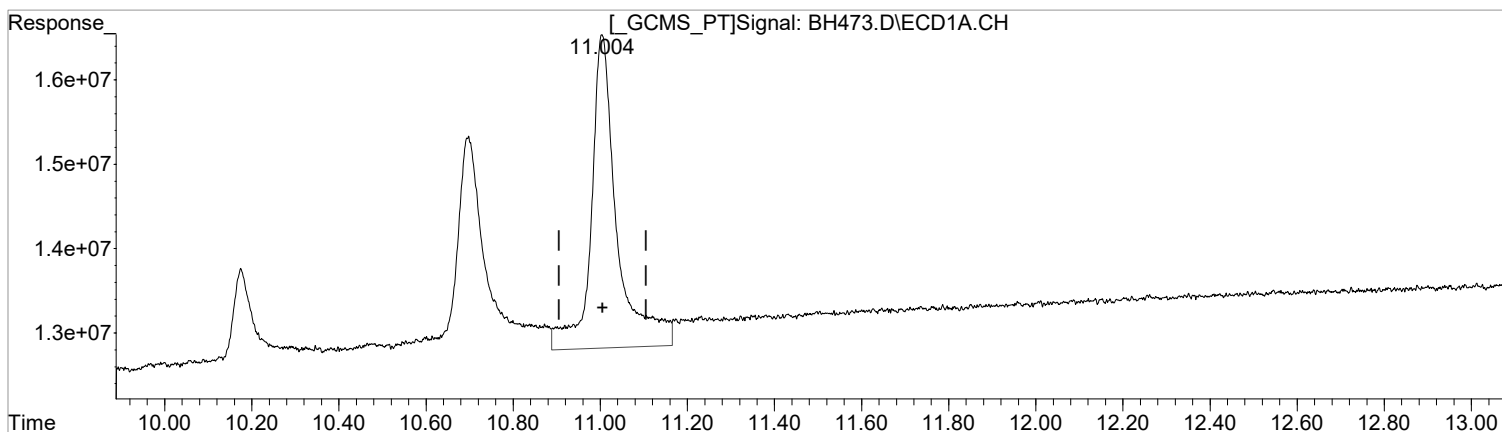
(3) PCB 1016 #2 (L1c)

R.T.	Response	Conc
5.23	3906973	18.84
5.69	9511745	19.15
6.25	5519371	19.28
6.39	8647594	18.64
6.73	6390440	19.23

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:12:11 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 13:58:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)
11.004min 2.701 ug/l
response 153165720

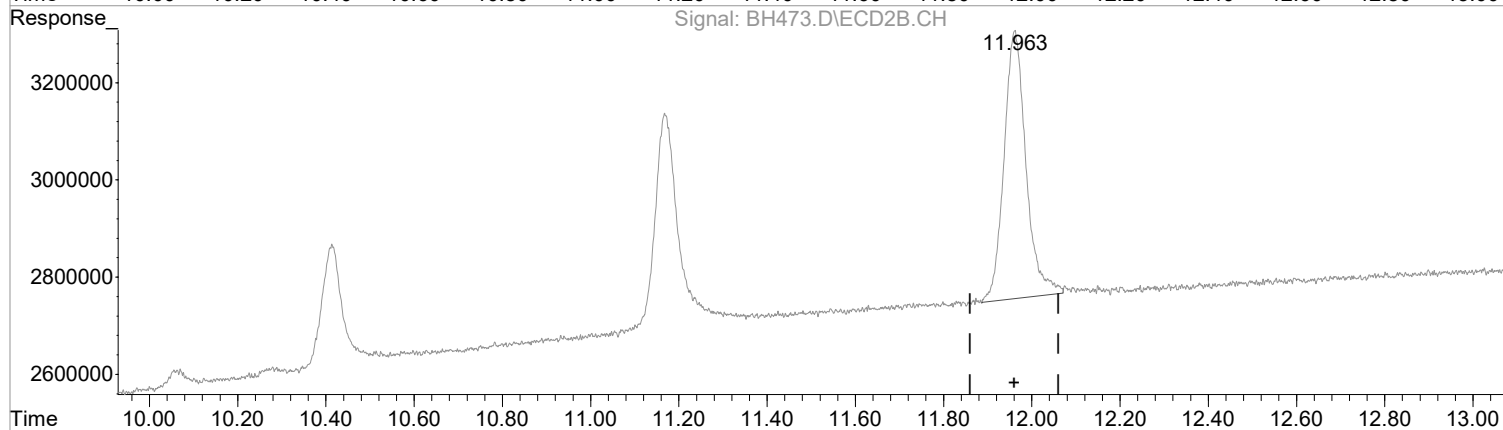
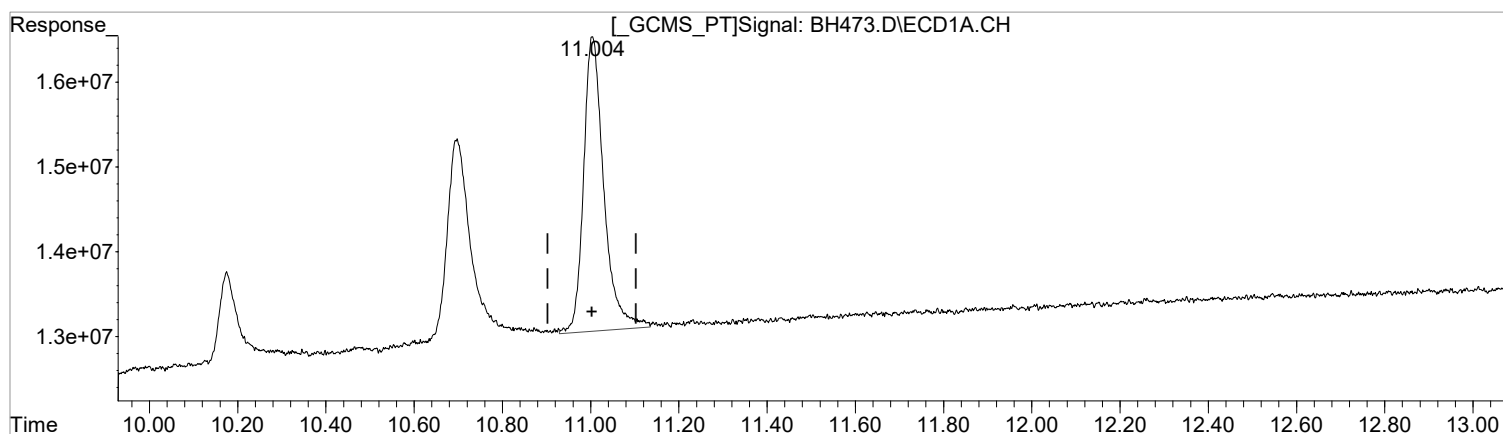
(2) SURR2,Decachlorobiphenyl #2 (S)
11.962min 1.933 ug/l
response 19056708

Manual Integration:
Before
04/22/19

Data Path : I:\ACQUDATA\6890G\Data\041619\
Data File : BH473.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2019 12:37 am
Operator :
Sample : 1660 LL
Misc : INITIAL CAL.
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Apr 22 14:55:10 2019
Quant Method : I:\ACQUDATA\6890G\Methods\G-PCB041619.M
Quant Title : 608/8082 PCB'S
QLast Update : Mon Apr 22 14:54:00 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 0.32mm 30m Signal #2 Info : 0.32mm 30m



QEdit

(2) SURR2,Decachlorobiphenyl (S)
11.004min 1.908 ug/l m
response 110685402

(2) SURR2,Decachlorobiphenyl #2 (S)
11.962min 1.971 ug/l
response 19056708

Manual Integration:
After
Poor integration.
04/22/19

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900045-01	1660 LL	I:\ACQUADATA\6890G\Data\041619\BH473.D	04/17/2019 00:37
02	RC1900045-02	1660 L	I:\ACQUADATA\6890G\Data\041619\BH474.D	04/17/2019 00:57
03	RC1900045-03	1660 ML	I:\ACQUADATA\6890G\Data\041619\BH475.D	04/17/2019 01:18
04	RC1900045-04	1660 M	I:\ACQUADATA\6890G\Data\041619\BH476.D	04/17/2019 01:37
05	RC1900045-05	1660 MH	I:\ACQUADATA\6890G\Data\041619\BH477.D	04/17/2019 01:57
06	RC1900045-06	1660 H	I:\ACQUADATA\6890G\Data\041619\BH478.D	04/17/2019 02:18
07	RC1900045-07	1221/54 LL	I:\ACQUADATA\6890G\Data\041619\BH479.D	04/17/2019 02:38
08	RC1900045-08	1221/54 L	I:\ACQUADATA\6890G\Data\041619\BH480.D	04/17/2019 02:59
09	RC1900045-09	1221/54 ML	I:\ACQUADATA\6890G\Data\041619\BH481.D	04/17/2019 03:19
10	RC1900045-10	1221/54 M	I:\ACQUADATA\6890G\Data\041619\BH482.D	04/17/2019 03:40
11	RC1900045-11	1221/54 MH	I:\ACQUADATA\6890G\Data\041619\BH483.D	04/17/2019 03:59
12	RC1900045-12	1221/54 H	I:\ACQUADATA\6890G\Data\041619\BH484.D	04/17/2019 04:20
13	RC1900045-13	1232 LL	I:\ACQUADATA\6890G\Data\041619\BH485.D	04/17/2019 04:40
14	RC1900045-14	1232 L	I:\ACQUADATA\6890G\Data\041619\BH486.D	04/17/2019 05:00
15	RC1900045-15	1232 ML	I:\ACQUADATA\6890G\Data\041619\BH487.D	04/17/2019 05:21
16	RC1900045-16	1232 M	I:\ACQUADATA\6890G\Data\041619\BH488.D	04/17/2019 05:41
17	RC1900045-17	1232 MH	I:\ACQUADATA\6890G\Data\041619\BH489.D	04/17/2019 06:02
18	RC1900045-18	1232 H	I:\ACQUADATA\6890G\Data\041619\BH490.D	04/17/2019 06:22
19	RC1900045-19	1242/68 LL	I:\ACQUADATA\6890G\Data\041619\BH491.D	04/17/2019 06:42
20	RC1900045-20	1242/68 L	I:\ACQUADATA\6890G\Data\041619\BH492.D	04/17/2019 07:03
21	RC1900045-21	1242/68 ML	I:\ACQUADATA\6890G\Data\041619\BH493.D	04/17/2019 07:23
22	RC1900045-22	1242/68 M	I:\ACQUADATA\6890G\Data\041619\BH494.D	04/17/2019 07:44
23	RC1900045-23	1242/68 MH	I:\ACQUADATA\6890G\Data\041619\BH495.D	04/17/2019 08:04
24	RC1900045-24	1242/68 H	I:\ACQUADATA\6890G\Data\041619\BH496.D	04/17/2019 08:24
25	RC1900045-25	1248 LL	I:\ACQUADATA\6890G\Data\041619\BH497.D	04/17/2019 08:45
26	RC1900045-26	1248 L	I:\ACQUADATA\6890G\Data\041619\BH498.D	04/17/2019 09:05
27	RC1900045-27	1248 ML	I:\ACQUADATA\6890G\Data\041619\BH499.D	04/17/2019 09:26
28	RC1900045-28	1248 M	I:\ACQUADATA\6890G\Data\041619\BH500.D	04/17/2019 09:46
29	RC1900045-29	1248 MH	I:\ACQUADATA\6890G\Data\041619\BH501.D	04/17/2019 10:06
30	RC1900045-30	1248 H	I:\ACQUADATA\6890G\Data\041619\BH502.D	04/17/2019 10:27
31	RC1900045-31	1262 M	I:\ACQUADATA\6890G\Data\041619\BH503.D	04/17/2019 10:47

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.953E5	02	100.000	2.267E5	03	250.000	2.269E5	04	500.000	2.218E5
05	750.000	1.988E5	06	1000.000	1.75E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.756E5	02	100.000	5.412E5	03	250.000	5.406E5	04	500.000	5.299E5
05	750.000	4.745E5	06	1000.000	4.183E5						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.76E5	02	100.000	2.997E5	03	250.000	3.156E5	04	500.000	3.155E5
05	750.000	2.86E5	06	1000.000	2.465E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.324E5	02	100.000	4.834E5	03	250.000	5.067E5	04	500.000	5.056E5
05	750.000	4.586E5	06	1000.000	3.964E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	3.195E5	02	100.000	3.439E5	03	250.000	3.611E5	04	500.000	3.608E5
05	750.000	3.27E5	06	1000.000	2.815E5						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.384E5	08	100.000	1.113E5	09	250.000	9.774E4	10	500.000	1.003E5
11	750.000	9.041E4	12	1000.000	8.13E4						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.829E5	08	100.000	1.427E5	09	250.000	1.278E5	10	500.000	1.358E5
11	750.000	1.28E5	12	1000.000	1.141E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.167E5	08	100.000	9.35E4	09	250.000	8.369E4	10	500.000	8.988E4
11	750.000	8.392E4	12	1000.000	7.41E4						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.698E5	08	100.000	2.852E5	09	250.000	2.55E5	10	500.000	2.743E5
11	750.000	2.548E5	12	1000.000	2.245E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.733E4	08	100.000	4.668E4	09	250.000	4.119E4	10	500.000	4.47E4
11	750.000	4.171E4	12	1000.000	3.712E4						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	8.218E4	14	100.000	6.705E4	15	250.000	6.403E4	16	500.000	6.056E4
17	750.000	5.88E4	18	1000.000	5.711E4						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	2.95E5	14	100.000	2.261E5	15	250.000	2.208E5	16	500.000	2.089E5
17	750.000	2.02E5	18	1000.000	1.951E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	2.868E5	14	100.000	2.247E5	15	250.000	2.224E5	16	500.000	2.103E5
17	750.000	2.031E5	18	1000.000	1.964E5						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.288E5	14	100.000	1.008E5	15	250.000	1.032E5	16	500.000	9.677E4
17	750.000	9.826E4	18	1000.000	9.164E4						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.54E5	14	100.000	1.256E5	15	250.000	1.319E5	16	500.000	1.233E5
17	750.000	1.262E5	18	1000.000	1.173E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.133E5	20	100.000	1.693E5	21	250.000	1.653E5	22	500.000	1.58E5
23	750.000	1.511E5	24	1000.000	1.428E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	4.845E5	20	100.000	3.817E5	21	250.000	3.739E5	22	500.000	3.556E5
23	750.000	3.425E5	24	1000.000	3.238E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	3.207E5	20	100.000	2.623E5	21	250.000	2.636E5	22	500.000	2.59E5
23	750.000	2.543E5	24	1000.000	2.405E5						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.897E5	20	100.000	2.585E5	21	250.000	2.659E5	22	500.000	2.619E5
23	750.000	2.582E5	24	1000.000	2.436E5						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	2.161E5	20	100.000	1.984E5	21	250.000	2.163E5	22	500.000	2.056E5
23	750.000	2.009E5	24	1000.000	1.897E5						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.284E5	26	100.000	2.057E5	27	250.000	1.78E5	28	500.000	1.778E5
29	750.000	1.68E5	30	1000.000	1.745E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	4.052E5	26	100.000	3.796E5	27	250.000	3.361E5	28	500.000	3.34E5
29	750.000	3.207E5	30	1000.000	3.353E5						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.335E5	26	100.000	2.286E5	27	250.000	2.018E5	28	500.000	2.012E5
29	750.000	1.936E5	30	1000.000	2.011E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	3.896E5	26	100.000	3.778E5	27	250.000	3.396E5	28	500.000	3.391E5
29	750.000	3.283E5	30	1000.000	3.431E5						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.191E5	26	100.000	2.19E5	27	250.000	2.015E5	28	500.000	2.027E5
29	750.000	1.988E5	30	1000.000	2.074E5						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.887E5	08	100.000	4.475E5	09	250.000	4.031E5	10	500.000	4.524E5
11	750.000	4.229E5	12	1000.000	3.768E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.955E5	08	100.000	3.142E5	09	250.000	2.989E5	10	500.000	3.458E5
11	750.000	3.232E5	12	1000.000	2.877E5						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	5.781E5	08	100.000	4.412E5	09	250.000	4.155E5	10	500.000	4.758E5
11	750.000	4.487E5	12	1000.000	3.919E5						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.294E5	08	100.000	5.054E5	09	250.000	4.956E5	10	500.000	5.622E5
11	750.000	5.267E5	12	1000.000	4.639E5						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.308E5	08	100.000	1.838E5	09	250.000	1.772E5	10	500.000	2.122E5
11	750.000	2.042E5	12	1000.000	1.78E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	6.174E5	02	100.000	7E5	03	250.000	7.046E5	04	500.000	7.208E5
05	750.000	6.601E5	06	1000.000	5.513E5						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.164E5	02	100.000	5.284E5	03	250.000	5.747E5	04	500.000	6.001E5
05	750.000	5.606E5	06	1000.000	4.664E5						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	8.87E5	02	100.000	1.013E6	03	250.000	1.095E6	04	500.000	1.187E6
05	750.000	1.103E6	06	1000.000	9.158E5						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.147E5	02	100.000	6.122E5	03	250.000	6.324E5	04	500.000	6.737E5
05	750.000	6.352E5	06	1000.000	5.169E5						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	4.13E5	02	100.000	4.628E5	03	250.000	4.836E5	04	500.000	5.138E5
05	750.000	4.879E5	06	1000.000	3.947E5						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	9.528E6	02	20.000	9.705E6	03	40.000	1.013E7	04	60.000	1.055E7
05	80.000	1.003E7	06	100.000	8.083E6						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	1.03E7	02	20.000	1.282E7	03	40.000	1.368E7	04	60.000	1.407E7
05	80.000	1.282E7	06	100.000	1.154E7						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	10.2	20	2.074E5	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	9.9	20	4.967E5	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	9.1	20	2.899E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	9.4	20	4.638E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	9.1	20	3.323E5	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	19.3	20	1.032E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	17.1	20	1.385E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	16.1	20	9.03E4	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	18.0	20	2.773E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	15.5	20	4.479E4	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	14.1	20	6.495E4	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	16.2	20	2.247E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	14.6	20	2.24E5	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	12.7	20	1.032E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	9.9	20	1.297E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	14.9	20	1.666E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	15.0	20	3.77E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	10.4	20	2.667E5	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	5.7	20	2.63E5	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	5.1	20	2.045E5	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	12.4	20	1.887E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	9.4	20	3.518E5	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	7.9	20	2.1E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	7.0	20	3.529E5	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	4.3	20	2.081E5	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	16.5	20	4.486E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	11.9	20	3.276E5	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	14.2	20	4.585E5	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	17.4	20	5.472E5	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	11.0	20	1.977E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	9.8	20	6.59E5	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	8.8	20	5.411E5	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	11.3	20	1.033E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	11.1	20	5.975E5	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	10.1	20	4.593E5	
Decachlorobiphenyl	SURR	Average RF	% RSD	8.8	20	9.671E6	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	11.2	20	1.254E7	

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900045-01	1660 LL	I:\ACQUADATA\6890G\Data\041619\BH473.D	04/17/2019 00:37
02	RC1900045-02	1660 L	I:\ACQUADATA\6890G\Data\041619\BH474.D	04/17/2019 00:57
03	RC1900045-03	1660 ML	I:\ACQUADATA\6890G\Data\041619\BH475.D	04/17/2019 01:18
04	RC1900045-04	1660 M	I:\ACQUADATA\6890G\Data\041619\BH476.D	04/17/2019 01:37
05	RC1900045-05	1660 MH	I:\ACQUADATA\6890G\Data\041619\BH477.D	04/17/2019 01:57
06	RC1900045-06	1660 H	I:\ACQUADATA\6890G\Data\041619\BH478.D	04/17/2019 02:18
07	RC1900045-07	1221/54 LL	I:\ACQUADATA\6890G\Data\041619\BH479.D	04/17/2019 02:38
08	RC1900045-08	1221/54 L	I:\ACQUADATA\6890G\Data\041619\BH480.D	04/17/2019 02:59
09	RC1900045-09	1221/54 ML	I:\ACQUADATA\6890G\Data\041619\BH481.D	04/17/2019 03:19
10	RC1900045-10	1221/54 M	I:\ACQUADATA\6890G\Data\041619\BH482.D	04/17/2019 03:40
11	RC1900045-11	1221/54 MH	I:\ACQUADATA\6890G\Data\041619\BH483.D	04/17/2019 03:59
12	RC1900045-12	1221/54 H	I:\ACQUADATA\6890G\Data\041619\BH484.D	04/17/2019 04:20
13	RC1900045-13	1232 LL	I:\ACQUADATA\6890G\Data\041619\BH485.D	04/17/2019 04:40
14	RC1900045-14	1232 L	I:\ACQUADATA\6890G\Data\041619\BH486.D	04/17/2019 05:00
15	RC1900045-15	1232 ML	I:\ACQUADATA\6890G\Data\041619\BH487.D	04/17/2019 05:21
16	RC1900045-16	1232 M	I:\ACQUADATA\6890G\Data\041619\BH488.D	04/17/2019 05:41
17	RC1900045-17	1232 MH	I:\ACQUADATA\6890G\Data\041619\BH489.D	04/17/2019 06:02
18	RC1900045-18	1232 H	I:\ACQUADATA\6890G\Data\041619\BH490.D	04/17/2019 06:22
19	RC1900045-19	1242/68 LL	I:\ACQUADATA\6890G\Data\041619\BH491.D	04/17/2019 06:42
20	RC1900045-20	1242/68 L	I:\ACQUADATA\6890G\Data\041619\BH492.D	04/17/2019 07:03
21	RC1900045-21	1242/68 ML	I:\ACQUADATA\6890G\Data\041619\BH493.D	04/17/2019 07:23
22	RC1900045-22	1242/68 M	I:\ACQUADATA\6890G\Data\041619\BH494.D	04/17/2019 07:44
23	RC1900045-23	1242/68 MH	I:\ACQUADATA\6890G\Data\041619\BH495.D	04/17/2019 08:04
24	RC1900045-24	1242/68 H	I:\ACQUADATA\6890G\Data\041619\BH496.D	04/17/2019 08:24
25	RC1900045-25	1248 LL	I:\ACQUADATA\6890G\Data\041619\BH497.D	04/17/2019 08:45
26	RC1900045-26	1248 L	I:\ACQUADATA\6890G\Data\041619\BH498.D	04/17/2019 09:05
27	RC1900045-27	1248 ML	I:\ACQUADATA\6890G\Data\041619\BH499.D	04/17/2019 09:26
28	RC1900045-28	1248 M	I:\ACQUADATA\6890G\Data\041619\BH500.D	04/17/2019 09:46
29	RC1900045-29	1248 MH	I:\ACQUADATA\6890G\Data\041619\BH501.D	04/17/2019 10:06
30	RC1900045-30	1248 H	I:\ACQUADATA\6890G\Data\041619\BH502.D	04/17/2019 10:27
31	RC1900045-31	1262 M	I:\ACQUADATA\6890G\Data\041619\BH503.D	04/17/2019 10:47

Analyte

Aroclor 1016 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	9.872E5	02	100.000	1.081E6	03	250.000	1.084E6	04	500.000	1.091E6
05	750.000	9.898E5	06	1000.000	8.865E5						

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1016 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.934E6	02	100.000	2.258E6	03	250.000	2.364E6	04	500.000	2.437E6
05	750.000	2.223E6	06	1000.000	1.993E6						

Aroclor 1016 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.734E5	02	100.000	5.944E5	03	250.000	6.335E5	04	500.000	6.653E5
05	750.000	6.09E5	06	1000.000	5.435E5						

Aroclor 1016 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	7.472E5	02	100.000	8.234E5	03	250.000	8.766E5	04	500.000	9.051E5
05	750.000	8.233E5	06	1000.000	7.381E5						

Aroclor 1016 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.594E6	02	100.000	1.813E6	03	250.000	1.951E6	04	500.000	2.018E6
05	750.000	1.85E6	06	1000.000	1.624E6						

Aroclor 1221 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	7.111E5	08	100.000	5.983E5	09	250.000	5.629E5	10	500.000	6.275E5
11	750.000	5.948E5	12	1000.000	5.357E5						

Aroclor 1221 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	4.352E5	08	100.000	3.789E5	09	250.000	3.55E5	10	500.000	3.941E5
11	750.000	3.703E5	12	1000.000	3.319E5						

Aroclor 1221 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.692E6	08	100.000	1.498E6	09	250.000	1.372E6	10	500.000	1.521E6
11	750.000	1.436E6	12	1000.000	1.288E6						

Aroclor 1221 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	2.861E5	08	100.000	3.108E5	09	250.000	2.828E5	10	500.000	3.166E5
11	750.000	2.978E5	12	1000.000	2.644E5						

Aroclor 1221 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.636E6	08	100.000	1.456E6	09	250.000	1.302E6	10	500.000	1.471E6
11	750.000	1.377E6	12	1000.000	1.254E6						

Aroclor 1232 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.329E6	14	100.000	1.11E6	15	250.000	1.158E6	16	500.000	1.121E6
17	750.000	1.098E6	18	1000.000	1.078E6						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1232 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.09E6	14	100.000	9.122E5	15	250.000	9.313E5	16	500.000	9.09E5
17	750.000	8.953E5	18	1000.000	8.794E5						

Aroclor 1232 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	1.923E6	14	100.000	1.673E6	15	250.000	1.693E6	16	500.000	1.667E6
17	750.000	1.665E6	18	1000.000	1.603E6						

Aroclor 1232 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	6.245E5	14	100.000	7.017E5	15	250.000	7.282E5	16	500.000	7.141E5
17	750.000	7.109E5	18	1000.000	6.848E5						

Aroclor 1232 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
13	20.000	6.572E5	14	100.000	6.083E5	15	250.000	6.312E5	16	500.000	6.363E5
17	750.000	6.38E5	18	1000.000	6.134E5						

Aroclor 1242 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	9.307E5	20	100.000	8.207E5	21	250.000	8.021E5	22	500.000	7.941E5
23	750.000	7.725E5	24	1000.000	7.355E5						

Aroclor 1242 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	6.926E5	20	100.000	6.118E5	21	250.000	6.256E5	22	500.000	6.154E5
23	750.000	6.096E5	24	1000.000	5.826E5						

Aroclor 1242 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	3.577E6	20	100.000	3.043E6	21	250.000	3.14E6	22	500.000	3.139E6
23	750.000	3.153E6	24	1000.000	3.034E6						

Aroclor 1242 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	1.454E6	20	100.000	1.315E6	21	250.000	1.364E6	22	500.000	1.345E6
23	750.000	1.344E6	24	1000.000	1.29E6						

Aroclor 1242 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
19	20.000	1.281E6	20	100.000	1.197E6	21	250.000	1.262E6	22	500.000	1.257E6
23	750.000	1.267E6	24	1000.000	1.212E6						

Aroclor 1248 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	9.074E5	26	100.000	9.102E5	27	250.000	8.034E5	28	500.000	8.105E5
29	750.000	7.842E5	30	1000.000	8.295E5						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1248 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	2.159E6	26	100.000	2.018E6	27	250.000	1.885E6	28	500.000	1.929E6
29	750.000	1.892E6	30	1000.000	2.027E6						

Aroclor 1248 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	7.007E5	26	100.000	7.713E5	27	250.000	7.956E5	28	500.000	7.965E5
29	750.000	7.73E5	30	1000.000	8.147E5						

Aroclor 1248 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.931E6	26	100.000	2.022E6	27	250.000	1.935E6	28	500.000	1.967E6
29	750.000	1.946E6	30	1000.000	2.076E6						

Aroclor 1248 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
25	20.000	1.578E6	26	100.000	1.64E6	27	250.000	1.598E6	28	500.000	1.622E6
29	750.000	1.621E6	30	1000.000	1.723E6						

Aroclor 1254 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	8.389E5	08	100.000	8.384E5	09	250.000	8.258E5	10	500.000	9.425E5
11	750.000	8.665E5	12	1000.000	7.88E5						

Aroclor 1254 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.398E6	08	100.000	1.23E6	09	250.000	1.216E6	10	500.000	1.453E6
11	750.000	1.374E6	12	1000.000	1.235E6						

Aroclor 1254 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	3.166E6	08	100.000	2.648E6	09	250.000	2.63E6	10	500.000	3.176E6
11	750.000	2.992E6	12	1000.000	2.718E6						

Aroclor 1254 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	1.635E6	08	100.000	1.483E6	09	250.000	1.495E6	10	500.000	1.711E6
11	750.000	1.566E6	12	1000.000	1.416E6						

Aroclor 1254 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
07	20.000	8.458E5	08	100.000	8E5	09	250.000	7.972E5	10	500.000	8.797E5
11	750.000	7.805E5	12	1000.000	6.957E5						

Aroclor 1260 {1}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.414E6	02	100.000	2.501E6	03	250.000	2.629E6	04	500.000	2.723E6
05	750.000	2.532E6	06	1000.000	2.153E6						

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte

Aroclor 1260 {2}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	3.093E6	02	100.000	3.192E6	03	250.000	3.344E6	04	500.000	3.446E6
05	750.000	3.215E6	06	1000.000	2.703E6						

Aroclor 1260 {3}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	2.404E6	02	100.000	2.468E6	03	250.000	2.664E6	04	500.000	2.786E6
05	750.000	2.622E6	06	1000.000	2.183E6						

Aroclor 1260 {4}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	5.284E6	02	100.000	4.82E6	03	250.000	5.311E6	04	500.000	5.809E6
05	750.000	5.583E6	06	1000.000	4.6E6						

Aroclor 1260 {5}

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	20.000	1.689E6	02	100.000	1.649E6	03	250.000	1.715E6	04	500.000	1.869E6
05	750.000	1.783E6	06	1000.000	1.442E6						

Decachlorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	5.534E7	02	20.000	5.747E7	03	40.000	6.073E7	04	60.000	6.26E7
05	80.000	5.955E7	06	100.000	4.833E7						

Tetrachloro-m-xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	4.555E7	02	20.000	5.985E7	03	40.000	6.619E7	04	60.000	6.922E7
05	80.000	6.412E7	06	100.000	5.792E7						

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1016 {1}	MULTI	Average RF	% RSD	7.9	20	1.02E6	
Aroclor 1016 {2}	MULTI	Average RF	% RSD	9.1	20	2.202E6	
Aroclor 1016 {3}	MULTI	Average RF	% RSD	7.2	20	6.032E5	
Aroclor 1016 {4}	MULTI	Average RF	% RSD	8.2	20	8.189E5	
Aroclor 1016 {5}	MULTI	Average RF	% RSD	9.5	20	1.808E6	
Aroclor 1221 {1}	MULTI	Average RF	% RSD	10.1	20	6.05E5	
Aroclor 1221 {2}	MULTI	Average RF	% RSD	9.4	20	3.776E5	
Aroclor 1221 {3}	MULTI	Average RF	% RSD	9.5	20	1.468E6	
Aroclor 1221 {4}	MULTI	Average RF	% RSD	6.6	20	2.931E5	
Aroclor 1221 {5}	MULTI	Average RF	% RSD	9.7	20	1.416E6	
Aroclor 1232 {1}	MULTI	Average RF	% RSD	8.0	20	1.149E6	
Aroclor 1232 {2}	MULTI	Average RF	% RSD	8.3	20	9.363E5	
Aroclor 1232 {3}	MULTI	Average RF	% RSD	6.5	20	1.704E6	
Aroclor 1232 {4}	MULTI	Average RF	% RSD	5.3	20	6.94E5	
Aroclor 1232 {5}	MULTI	Average RF	% RSD	2.8	20	6.307E5	
Aroclor 1242 {1}	MULTI	Average RF	% RSD	8.2	20	8.093E5	
Aroclor 1242 {2}	MULTI	Average RF	% RSD	5.9	20	6.229E5	
Aroclor 1242 {3}	MULTI	Average RF	% RSD	6.3	20	3.181E6	
Aroclor 1242 {4}	MULTI	Average RF	% RSD	4.1	20	1.352E6	
Aroclor 1242 {5}	MULTI	Average RF	% RSD	2.7	20	1.246E6	
Aroclor 1248 {1}	MULTI	Average RF	% RSD	6.5	20	8.409E5	
Aroclor 1248 {2}	MULTI	Average RF	% RSD	5.3	20	1.985E6	
Aroclor 1248 {3}	MULTI	Average RF	% RSD	5.2	20	7.753E5	
Aroclor 1248 {4}	MULTI	Average RF	% RSD	2.9	20	1.979E6	
Aroclor 1248 {5}	MULTI	Average RF	% RSD	3.1	20	1.63E6	
Aroclor 1254 {1}	MULTI	Average RF	% RSD	6.1	20	8.5E5	
Aroclor 1254 {2}	MULTI	Average RF	% RSD	7.8	20	1.318E6	
Aroclor 1254 {3}	MULTI	Average RF	% RSD	8.8	20	2.888E6	
Aroclor 1254 {4}	MULTI	Average RF	% RSD	7.0	20	1.551E6	
Aroclor 1254 {5}	MULTI	Average RF	% RSD	7.9	20	7.998E5	
Aroclor 1260 {1}	MULTI	Average RF	% RSD	7.9	20	2.492E6	
Aroclor 1260 {2}	MULTI	Average RF	% RSD	8.1	20	3.165E6	
Aroclor 1260 {3}	MULTI	Average RF	% RSD	8.5	20	2.521E6	
Aroclor 1260 {4}	MULTI	Average RF	% RSD	8.7	20	5.235E6	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs) by GC

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Aroclor 1260 {5}	MULTI	Average RF	% RSD	8.5	20	1.691E6	
Decachlorobiphenyl	SURR	Average RF	% RSD	8.9	20	5.734E7	
Tetrachloro-m-xylene	SURR	Average RF	% RSD	13.9	20	6.048E7	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

**Initial Calibration Verification Summary
Polychlorinated Biphenyls (PCBs) by GC**

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-1701

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900045-32	1660 ICV	I:\ACQUDATA\6890G\Data\041619\BH504.D	04/17/2019 11:08

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016	500	500			0.069	±25	NA
Aroclor 1260	500	461			-7.756	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	489	1.02E6	9.971E5	-2.228	±25	Average RF
Aroclor 1016 {2}	500	496	2.202E6	2.184E6	-0.782	±25	Average RF
Aroclor 1016 {3}	500	500	6.032E5	6.03E5	-0.034	±25	Average RF
Aroclor 1016 {4}	500	507	8.189E5	8.306E5	1.42	±25	Average RF
Aroclor 1016 {5}	500	510	1.808E6	1.844E6	1.97	±25	Average RF
Aroclor 1260 {1}	500	514	2.492E6	2.56E6	2.71	±25	Average RF
Aroclor 1260 {2}	500	512	3.165E6	3.24E6	2.35	±25	Average RF
Aroclor 1260 {3}	500	450	2.521E6	2.269E6	-10.019	±25	Average RF
Aroclor 1260 {4}	500	448	5.235E6	4.687E6	-10.467	±25	Average RF
Aroclor 1260 {5}	500	383	1.691E6	1.296E6	-23.358	±25	Average RF

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903955
Calibration Date: 4/17/2019

**Initial Calibration Verification Summary
Polychlorinated Biphenyls (PCBs) by GC**

Calibration ID: RC1900045
Instrument ID: R-GC-58

Signal ID: DB-17

#	Lab Code	Sample Name	File Location	Acquisition Date
32	RC1900045-32	1660 ICV	I:\ACQUDATA\6890G\Data\041619\BH504.D	04/17/2019 11:08

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016	500	466			-6.709	±25	NA
Aroclor 1260	500	451			-9.867	±25	NA

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Aroclor 1016 {1}	500	464	2.074E5	1.925E5	-7.193	±25	Average RF
Aroclor 1016 {2}	500	466	4.967E5	4.628E5	-6.828	±25	Average RF
Aroclor 1016 {3}	500	471	2.899E5	2.731E5	-5.807	±25	Average RF
Aroclor 1016 {4}	500	467	4.638E5	4.336E5	-6.525	±25	Average RF
Aroclor 1016 {5}	500	464	3.323E5	3.084E5	-7.192	±25	Average RF
Aroclor 1260 {1}	500	503	6.59E5	6.633E5	0.645	±25	Average RF
Aroclor 1260 {2}	500	451	5.411E5	4.875E5	-9.898	±25	Average RF
Aroclor 1260 {3}	500	449	1.033E6	9.279E5	-10.214	±25	Average RF
Aroclor 1260 {4}	500	470	5.975E5	5.617E5	-5.996	±25	Average RF
Aroclor 1260 {5}	500	381	4.593E5	3.496E5	-23.874	±25	Average RF

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 15:12

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUDATA\6890G\Data\050819\BH608.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	460	NA	NA	NA	NA	±20	
Aroclor 1260	500	495	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	449	2.074E5	1.862E5	-10.2	NA	±20	Average RF
Aroclor 1016 {2}	500	457	4.967E5	4.54E5	-8.6	NA	±20	Average RF
Aroclor 1016 {3}	500	458	2.899E5	2.656E5	-8.4	NA	±20	Average RF
Aroclor 1016 {4}	500	469	4.638E5	4.349E5	-6.2	NA	±20	Average RF
Aroclor 1016 {5}	500	468	3.323E5	3.111E5	-6.4	NA	±20	Average RF
Aroclor 1260 {1}	500	483	6.59E5	6.361E5	-3.5	NA	±20	Average RF
Aroclor 1260 {2}	500	494	5.411E5	5.344E5	-1.2	NA	±20	Average RF
Aroclor 1260 {3}	500	500	1.033E6	1.033E6	-0.1	NA	±20	Average RF
Aroclor 1260 {4}	500	495	5.975E5	5.917E5	-1.0	NA	±20	Average RF
Aroclor 1260 {5}	500	506	4.593E5	4.65E5	1.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	58.8	9.671E6	9.48E6	-2.0	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	57.7	1.254E7	1.206E7	-3.8	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 15:12

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH608.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	512	NA	NA	NA	NA	±20	
Aroclor 1260	500	496	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	496	1.02E6	1.012E6	-0.8	NA	±20	Average RF
Aroclor 1016 {2}	500	486	2.202E6	2.139E6	-2.9	NA	±20	Average RF
Aroclor 1016 {3}	500	517	6.032E5	6.24E5	3.4	NA	±20	Average RF
Aroclor 1016 {4}	500	534	8.189E5	8.747E5	6.8	NA	±20	Average RF
Aroclor 1016 {5}	500	526	1.808E6	1.902E6	5.2	NA	±20	Average RF
Aroclor 1260 {1}	500	501	2.492E6	2.498E6	0.3	NA	±20	Average RF
Aroclor 1260 {2}	500	502	3.165E6	3.18E6	0.5	NA	±20	Average RF
Aroclor 1260 {3}	500	496	2.521E6	2.5E6	-0.8	NA	±20	Average RF
Aroclor 1260 {4}	500	487	5.235E6	5.096E6	-2.7	NA	±20	Average RF
Aroclor 1260 {5}	500	494	1.691E6	1.671E6	-1.2	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	59.9	5.734E7	5.729E7	-0.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	66.5	6.048E7	6.701E7	10.8	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 18:56

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH619.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	389	NA	NA	NA	NA	±20	
Aroclor 1260	500	401	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	388	2.074E5	1.61E5	-22.4*	NA	±20	Average RF
Aroclor 1016 {2}	500	390	4.967E5	3.872E5	-22.0*	NA	±20	Average RF
Aroclor 1016 {3}	500	387	2.899E5	2.243E5	-22.6*	NA	±20	Average RF
Aroclor 1016 {4}	500	392	4.638E5	3.638E5	-21.6*	NA	±20	Average RF
Aroclor 1016 {5}	500	389	3.323E5	2.587E5	-22.1*	NA	±20	Average RF
Aroclor 1260 {1}	500	382	6.59E5	5.039E5	-23.5*	NA	±20	Average RF
Aroclor 1260 {2}	500	419	5.411E5	4.539E5	-16.1	NA	±20	Average RF
Aroclor 1260 {3}	500	411	1.033E6	8.491E5	-17.8	NA	±20	Average RF
Aroclor 1260 {4}	500	390	5.975E5	4.66E5	-22.0*	NA	±20	Average RF
Aroclor 1260 {5}	500	405	4.593E5	3.72E5	-19.0	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	46.9	9.671E6	7.555E6	-21.9*	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	49.6	1.254E7	1.036E7	-17.4	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 18:56

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH619.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	435	NA	NA	NA	NA	±20	
Aroclor 1260	500	416	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	429	1.02E6	8.745E5	-14.3	NA	±20	Average RF
Aroclor 1016 {2}	500	414	2.202E6	1.824E6	-17.1	NA	±20	Average RF
Aroclor 1016 {3}	500	441	6.032E5	5.32E5	-11.8	NA	±20	Average RF
Aroclor 1016 {4}	500	448	8.189E5	7.333E5	-10.5	NA	±20	Average RF
Aroclor 1016 {5}	500	444	1.808E6	1.607E6	-11.2	NA	±20	Average RF
Aroclor 1260 {1}	500	419	2.492E6	2.089E6	-16.2	NA	±20	Average RF
Aroclor 1260 {2}	500	415	3.165E6	2.626E6	-17.0	NA	±20	Average RF
Aroclor 1260 {3}	500	419	2.521E6	2.113E6	-16.2	NA	±20	Average RF
Aroclor 1260 {4}	500	412	5.235E6	4.313E6	-17.6	NA	±20	Average RF
Aroclor 1260 {5}	500	416	1.691E6	1.408E6	-16.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	48.5	5.734E7	4.634E7	-19.2	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	55.1	6.048E7	5.556E7	-8.1	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 22:18

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH629.D\
Signal ID: DB-17

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	502	NA	NA	NA	NA	±20	
Aroclor 1260	500	542	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	490	2.074E5	2.032E5	-2.1	NA	±20	Average RF
Aroclor 1016 {2}	500	495	4.967E5	4.918E5	-1.0	NA	±20	Average RF
Aroclor 1016 {3}	500	504	2.899E5	2.922E5	0.8	NA	±20	Average RF
Aroclor 1016 {4}	500	510	4.638E5	4.728E5	1.9	NA	±20	Average RF
Aroclor 1016 {5}	500	510	3.323E5	3.388E5	2.0	NA	±20	Average RF
Aroclor 1260 {1}	500	516	6.59E5	6.795E5	3.1	NA	±20	Average RF
Aroclor 1260 {2}	500	545	5.411E5	5.902E5	9.1	NA	±20	Average RF
Aroclor 1260 {3}	500	563	1.033E6	1.164E6	12.6	NA	±20	Average RF
Aroclor 1260 {4}	500	539	5.975E5	6.439E5	7.8	NA	±20	Average RF
Aroclor 1260 {5}	500	549	4.593E5	5.043E5	9.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	63.7	9.671E6	1.026E7	6.1	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	62.8	1.254E7	1.312E7	4.7	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903955
Date Analyzed: 05/08/19 22:18

**Continuing Calibration Verification (CCV) Summary
Polychlorinated Biphenyls (PCBs) by GC**

Analysis Method: 8082A
File ID: I:\ACQUADATA\6890G\Data\050819\BH629.D\
Signal ID: DB-1701

Calibration Date: 4/17/2019
Calibration ID: RC1900045
Analysis Lot: 634898
Units: ug/L

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016	500	574	NA	NA	NA	NA	±20	
Aroclor 1260	500	569	NA	NA	NA	NA	±20	

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Aroclor 1016 {1}	500	558	1.02E6	1.138E6	11.6	NA	±20	Average RF
Aroclor 1016 {2}	500	533	2.202E6	2.348E6	6.7	NA	±20	Average RF
Aroclor 1016 {3}	500	592	6.032E5	7.145E5	18.5	NA	±20	Average RF
Aroclor 1016 {4}	500	595	8.189E5	9.748E5	19.0	NA	±20	Average RF
Aroclor 1016 {5}	500	593	1.808E6	2.144E6	18.6	NA	±20	Average RF
Aroclor 1260 {1}	500	566	2.492E6	2.82E6	13.1	NA	±20	Average RF
Aroclor 1260 {2}	500	561	3.165E6	3.549E6	12.1	NA	±20	Average RF
Aroclor 1260 {3}	500	572	2.521E6	2.882E6	14.3	NA	±20	Average RF
Aroclor 1260 {4}	500	572	5.235E6	5.986E6	14.4	NA	±20	Average RF
Aroclor 1260 {5}	500	573	1.691E6	1.94E6	14.7	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Decachlorobiphenyl	60.0	67.3	5.734E7	6.434E7	12.2	NA	±20	Average RF
Tetrachloro-m-xylene	60.0	72.4	6.048E7	7.301E7	20.7*	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903955

Analysis Run Log
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:

Analysis Lot:634898
Instrument ID:R-GC-58

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\6890G\Data\050819\BH602.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	11:55:00	
I:\ACQUDATA\6890G\Data\050819\BH603.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	12:38:00	
I:\ACQUDATA\6890G\Data\050819\BH605.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:24:00	
I:\ACQUDATA\6890G\Data\050819\BH606.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	13:44:00	
I:\ACQUDATA\6890G\Data\050819\BH607.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	14:05:00	
I:\ACQUDATA\6890G\Data\050819\BH608.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:12:00	
I:\ACQUDATA\6890G\Data\050819\BH608.D\Continuing Calibration Verification		RQ1904368-03	5/8/2019	15:12:00	
I:\ACQUDATA\6890G\Data\050819\BH609.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:32:00	
I:\ACQUDATA\6890G\Data\050819\BH609.D\Method Blank		RQ1904198-03	5/8/2019	15:32:00	
I:\ACQUDATA\6890G\Data\050819\BH610.D\Lab Control Sample		RQ1904198-06	5/8/2019	15:52:00	
I:\ACQUDATA\6890G\Data\050819\BH610.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/8/2019	15:52:00	
I:\ACQUDATA\6890G\Data\050819\BH611.D\Duplicate Lab Control Sample		RQ1904198-07	5/8/2019	16:13:00	
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I:\ACQUDATA\6890G\Data\050819\BH616.D>IDW-1		R1903955-001	5/8/2019	17:55:00	
I:\ACQUDATA\6890G\Data\050819\BH619.D\Continuing Calibration Verification		RQ1904368-04	5/8/2019	18:56:00	
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I:\ACQUDATA\6890G\Data\050819\BH629.D\Continuing Calibration Verification		RQ1904368-05	5/8/2019	22:18:00	
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I:\ACQUDATA\6890G\Data\050819\BH638.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/9/2019	01:21:00	
I:\ACQUDATA\6890G\Data\050819\BH639.D\ZZZZZZZ	ZZZZZZZ	ZZZZZZZ	5/9/2019	01:41:00	

Analysis: PCB
 Date: 5/18/19

Analyst: A. Moses
 Instr. 6890G

Run Method: PCB.M
 Quant Method: G-PCB041619.M

LIMS Run#: 634771 / 634898

63477

63479

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	BIK			DH 598	✓	
	CCV		199075	44	↓	
	CCV		↓	600	✓	
oil	R1904004-001	200		01	✓	
1	CCV		199075	02	✓	
water	R1903918-001			03	✓	Historically low conc.
	R1903881-001 RE	5		04	✓	↓ / Diluted for matrix
	R1904200-01			05	✓	
	↓ 02			06	✓	
✓	↓ 03			07	✓	
2/3	CCV		199075	08	✓	
soil	R1904198-03			09	✓	
	↓ 056			10	✓	
	↓ 067			11	✓	
	R1903839-001			12	✓	
	R1903847-001			13	✓	
	R1903954-003			14	✓	
	↓ 006			15	✓	
	R1903955-001	5		16	✓	Diluted for matrix
	R1903957-002	5		17	N	1/20
↓	002 MS	5		18	N	1/20
4	CCV		199075	19	↓	Peak low 1016/1260
soil	002 MS	5		20	N	1/20
	↓ 004	10		21	✓	Diluted for matrix
	R1903967-009			22	✓	
	↓ 010			23	✓	
	R1904026-002			24	✓	
	↓ 004			25	✓	
	↓ 006			26	✓	
	↓ 008			27	✓	
↓	↓ 010			28	✓	
5/6	CCV		199075	29	✓	
2L	R1904098-03			30	✓	
	↓ 04			31	✓	
	↓ 05			32	✓	
	R1903829-005			33	✓	
	↓ 008			34	✓	
	008 MS			35	✓	
	008 MS			36	✓	
↓	↓ 016			37	✓	
	017			38	✓	
X	CCV		199075	39	✓	

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

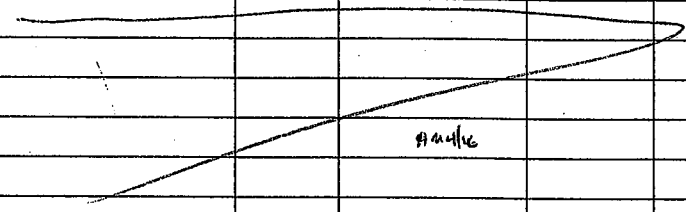
Runlog GCEXT r1 12/5/12

Analysis: 8082
Date: 4/16/19

Analyst: A. NOSES
Instr. 6890G

Run Method: PCB.M
Quant Method: G-PCB041619.M

LIMS Run#:

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
	High Std.			BH446771	—	
	Blk			BH472	✓	
	1660 LL		194658	73	✓	
	↓ L		654	74	✓	
	ML		655	75	✓	
	M		583	76	✓	
	MH		656	77	✓	
	↓ H		657	78	✓	
	1221/54 LL		196774	79	✓	
	↓ L		73	80	✓	
	ML		194660	81	✓	
	M		61	82	✓	
	MH		62	83	✓	
	↓ H		63	84	✓	
	1232 LL		196768	85	✓	
	↓ L		194664	86	✓	
	ML		65	87	✓	
	M		66	88	✓	
	MH		67	89	✓	
	↓ H		68	90	✓	
	1242/68 LL		196769	91	✓	
	↓ L		194670	92	✓	
	ML		71	93	✓	
	M		72	94	✓	
	MH		73	95	✓	
	↓ H		74	96	✓	
	1248 LL		196770	97	✓	
	↓ L		194672	98	✓	
	ML		78	99	✓	
	M		79	500	✓	
	MH		80	61	✓	
	↓ H		81	62	✓	
	1262 M		194682	63	✓	
	ICV		197075	64	✓	
						
			AMM16			

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
Primary: _____ exp: _____

Secondary: _____ exp: _____
Secondary: _____ exp: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil

Service Request:R1903955

Polychlorinated Biphenyls (PCBs) by GC

Prep Method: EPA 3541
Analytical Method: 8082A

Extraction Lot: 336082
Extraction Date: 05/07/19 07:35

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-1	R1903955-001	4/30/19	5/2/19	29.3900 g	10 mL	81.1
Method Blank	RQ1904198-03MB	NA	NA	29.9700 g	10 mL	
Lab Control Sample	RQ1904198-06LCS	NA	NA	29.3200 g	10 mL	
Duplicate Lab Control Sample	RQ1904198-07DLCS	NA	NA	30.3300 g	10 mL	

Preparation Information Benchsheet

Prep Run#: 336082
Team: Semiova GC/VSTAUFFER

Prep Workflow: OrgExHS(14)
Prep Method: EPA 3541

Status: Prepped
Prep Date/Time: 5/7/19 07:35

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904198-03	MB		29.9700g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198620	
2	RQ1904198-03	MB		29.9700g	8082A/PCB				10.00mL	sand	1.0000 mL/198620	
3	RQ1904198-04	LCS		29.8000g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198056	
4	RQ1904198-05	DLCs		30.2300g	8081B/Pest OC				10.00mL	sand	1.0000 mL/198056	
5	RQ1904198-06	LCS		29.3200g	8082A/PCB				10.00mL	sand	1.0000 mL/196869	
6	RQ1904198-07	DLCs		30.3300g	8082A/PCB				10.00mL	sand	1.0000 mL/198620	
7	R1903839-001	Sludge	.10	29.3700g	8081B/Pest OC				10.00mL	black	1.0000 mL/198620	
8	R1903839-001	Sludge	.10	29.3700g	8082A/PCB				10.00mL	black	1.0000 mL/198620	
9	R1903839-001	U-60/67	.01	30.3100g	8082A/PCB				10.00mL	grey stones	1.0000 mL/198620	
10	R1903954-003	TB-02-24 (2-4)	.01	29.7800g	8082A/PCB				10.00mL	black and white; rocky	1.0000 mL/198620	
11	R1903954-006	TB-05-24 (1-4)	.02	30.2700g	8082A/PCB				10.00mL	black and white; rocky	1.0000 mL/198620	
12	R1903955-001	IDW-1	.03	29.3900g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	
13	R1903957-002	TP-02 (2-4)	.02	29.8300g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
14	RQ1904198-01	R1903957-002 MS	.10	29.9700g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/196869	
15	RQ1904198-02	R1903957-002 DMS	.10	29.9700g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/196869	
16	R1903957-004	TP-04 (4-5)	.03	30.0600g	8082A/PCB				10.00mL	black; rocks	1.0000 mL/198620	
17	R1903967-009	B-3	.01	30.0400g	8081B/Pest OC				10.00mL	brown	1.0000 mL/198620	
18	R1903967-009	B-3	.01	30.0400g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	
19	R1903967-010	B-4	.01	30.0300g	8081B/Pest OC				10.00mL	brown	1.0000 mL/198620	
20	R1903967-010	B-4	.01	30.0300g	8082A/PCB				10.00mL	brown	1.0000 mL/198620	

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Spikeing Solutions

Name: 8082 Spike 5 ug/mL AR 1260 Inventory ID: 196869 Logbook Ref: Expires On: 08/10/2019
Name: 608 LCS Spike STD Inventory ID: 198056 Logbook Ref: Expires On: 06/15/2019
Name: 8081/8082 Surrogate Spike STD 1 ug/mL Inventory ID: 198620 Logbook Ref: Expires On: 10/16/2019

Preparation Materials

50:50 acetone:hexane mix (199224) Eppendorf Pipette Repeater EXT #18 (184837) Sulfuric Acid Reagent Grade SYOA (195345)
 Prepared Sodium Sulfate (198693) Prepared Tetrabutylammonium (198647) H2SO4
 Na2SO4 hydrogen sulfate (TBA)

Preparation Information Benchsheet

Prep Run#: 336082
 Team: Semivoa GC/VSTAUFFER

Prep WorkFlow: OrgExs(14)
 Prep Method: EPA 3541

Status: Prepped
 Prep Date/Time: 5/7/19 07:35

Preparation Steps

Step:	Extraction	Concentration	Step:	Acid Clean-EPA 3665A	Step:	Sulfur Clean-EPA 3660B	Step:	Extraction Complete
Started:	5/7/19 07:35	5/8/19 11:32	Started:	5/8/19 13:30	Started:	5/8/19 12:45	Started:	5/8/19 14:00
Finished:	5/7/19 17:22	5/8/19 12:45	Finished:	5/8/19 14:00	Finished:	5/8/19 13:30	Finished:	5/8/19 14:15
By:	VSTAUFFER	AMOSEs	By:	AMOSEs	By:	AMOSEs	By:	AMOSEs
Comments			Comments		Comments		Comments	

Comments:

Reviewed By: [Signature] Date: 5/9/19 Spike Witness: BALLGEIER Date: _____

Chain of Custody

Relinquished By: _____ Date: _____
 Received By: _____ Date: _____
 Extracts Examined
 Yes No



Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

IDW-1

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Matrix (soil/water): WATER Lab Sample ID: R1903955-001

Level (low/med): LOW Date Received: 5/2/2019

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	500	U		P
7440-39-3	Barium	1000	U		P
7440-43-9	Cadmium	100	U		P
7440-47-3	Chromium	100	U		P
7439-92-1	Lead	100	U		P
7782-49-2	Selenium	500	U		P
7440-22-4	Silver	100	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals Cover Page

Analyst: LH

Date: 5/10/19

Instrument: ICP6

Data File: lmay10A

Reviewed By: CK5/13/19

Entered By: CK5/13/19

Starlins Run #	Analytes Used	Batch ID	Method	Failed Analytes	Repeats
635184	AgAsBaCdCrPbSe	336346	6010C TCLP		

635185	KNaZnSe	336204	6010C		

635186	AsBaCaCrCuFeMg MnNaNiPbSe	336344	6010C		

635187	TAI+BMoSn - SrNa	336345	6010C	SrNa	R4022-008, 009 All R4082-019 Ba R4115-004 Ba R4022-010 Ca

635189	TAI+BMo - NaBa	336245	6010C	Na Ba	R4024-005 Se

ICP-6 Run Log
Serial number: MY15340001

Data File: 6 May 10A

Analyst: LH

Date: 5/10/19

MRL	Prep Date	Lot #	Cal Std 1	Prep Date	Lot #
ICSA	4/26/19	M7860094P	Cal Std 2	3/1/19	M762002B
ICSAB	3/20/19	M7860100B	Cal Std 5/ HLCCV1	4/1/19	M7860021B
Int. Std	3/1/19	M786015SD	ICV/CCV	4/25/19	M7860032B
HLCCV3	5/8/19	M7860126C	HLCCV2	4/29/19	M7860051E
				5/10/19	M786004E

(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)

Blank Prep - Daily	NHO3	HCl	Pipet Used	DOD Pipet Verification	IEC Date
	M7600095	M760002	M25M34		

1:1	PBT-336346	S1:3	Contract Required Detection Limit	S1:4	Interference Check Solution A
1:2	RQ1904325-01	S1:4	Interference Check Solution A	S1:6	Interference Check Solution AB
1:3	LCST-336346	S1:5	Interference Check Solution AB	S1:7	Continuing Calibration Verification
1:4	R1903839-002	S1:6	Continuing Calibration Verification	1:49	Continuing Calibration Blank
1:5	R1903897-001	S1:7	Continuing Calibration Blank	1:50	PBW-336345
1:6	R1903934-001	1:23	PBW-336344	1:51	LCSW-336345
1:7	R1903934-001S	1:24	LCSW-336344	1:52	R1904022-001
1:8	R1903934-001SD	1:25	R1904113-001	1:53	R1904022-002
1:9	R1903934-001A	1:26	R1904113-002	1:54	R1904022-003
1:10	R1903934-001L	1:27	R1904113-003	1:55	R1904022-004
1:11	R1903955-001	1:28	R1904113-004	1:56	R1904022-005
S1:6	Continuing Calibration Verification	1:29	R1904113-005	1:57	R1904022-006
S1:7	Continuing Calibration Blank	1:30	R1904113-006	1:58	R1904022-008
S1:3	Contract Required Detection Limit	1:31	R1904113-007		R1904022-009
S1:4	Interference Check Solution A	1:32	R1904113-008	S1:8	Continuing Calibration Verification 1
S1:5	Interference Check Solution AB	S1:6	Continuing Calibration Verification	S1:9	Continuing Calibration Blank 1
S1:21	HLCCV2	S1:7	Continuing Calibration Blank	1:59	R1904022-010
S1:22	HLCCV3	1:33	R1904123-001	1:60	R1904062-001
S1:18	HLCCV1	1:34	R1904123-002	2:1	R1904082-001
S1:6	Continuing Calibration Verification	1:35	R1904123-002S	2:2	R1904082-001S
S1:7	Continuing Calibration Blank	1:36	R1904123-002SD	2:3	R1904082-001SD
1:12	PBW-336204	1:37	R1904123-002A	2:4	R1904082-001A
1:13	FBLK-336204	1:38	R1904123-002L	2:5	R1904082-001L
1:14	LCSW-336204	1:39	R1904123-003	2:6	R1904082-008
1:15	R1904038-002	1:40	R1904123-004	2:7	R1904082-013
1:16	R1903829-008 10X	1:41	R1904123-005	2:8	R1904082-018
1:17	R1903829-008S 10X	1:42	R1904123-006	S1:8	Continuing Calibration Verification 1
1:18	R1903829-008SD 10X	1:43	Continuing Calibration Verification	S1:9	Continuing Calibration Blank 1
S1:34	R1903829-008A 10X	S1:6	Continuing Calibration Blank	2:9	R1904082-019
1:19	R1903829-008L 10X	S1:7	Continuing Calibration Blank	2:10	R1904115-001
1:20	R1904038-002 10X	1:44	R1904123-007	2:11	R1904115-003
S1:6	Continuing Calibration Verification	1:45	R1904123-008	2:12	R1904115-004
S1:7	Continuing Calibration Blank	1:46	R1904123-009	2:13	R1904115-005
1:21	HCL M7600011J	1:47	R1904123-010	2:14	R1904115-006
1:22	HCL M7600011K	1:48	R1904123-011	S1:8	Continuing Calibration Verification 1
S1:6	Continuing Calibration Verification	S1:6	Continuing Calibration Verification	S1:9	Continuing Calibration Blank 1
S1:7	Continuing Calibration Blank	S1:7	Continuing Calibration Blank	S1:3	Contract Required Detection Limit
		S1:3	Contract Required Detection Limit	S1:4	Interference Check Solution A
				S1:5	Interference Check Solution AB

ICP-6 Run Log
Serial number: MY15340001

Analyst: LA

Date: 5/10/19

Data File: 6may

	Prep Date	Lot #		Prep Date	Lot #
MRL			Cal Std 1		
ICSA			Cal Std 2		
ICSAB			Cal Std 3/ HLCCV1	<u>5/10/19</u>	
Int. Std			ICV/CCV		
			HLCCV2		

(Cal Std 4 is a 1/5 and Cal Std 3 is a 1/100 dilution of Cal Std 5)

Blank Prep - Daily	NHO3	HCl	Pipet Used	DOD Pipet Verification	IEC Date
Lot					

S1:8	Continuing Calibration Verification1	2:30	R1904026-010
S1:9	Continuing Calibration Blank1	2:31	R1904038-001
2:15	PBS-336245	2:32	R1904024-001 10X
2:16	LCSS-336245	2:33	R1904024-001S 10X
2:17	R1904024-001	2:34	R1904024-001SD 10X
2:18	R1904024-001S	S1:8	Continuing Calibration Verification 1
2:19	R1904024-001SD	S1:9	Continuing Calibration Blank 1
2:20	R1904024-001A	2:35	R1904024-001A 10X
2:21	R1904024-001L	2:36	R1904024-001L 10X
2:22	R1904024-002	2:37	R1904024-002 10X
2:23	R1904024-003	2:38	R1904024-003 10X
2:24	R1904024-004	2:39	R1904024-004 10X
S1:8	Continuing Calibration Verification1	2:40	R1904024-005 10X
S1:9	Continuing Calibration Blank1	2:41	R1904026-002 10X
2:25	R1904024-005	2:42	R1904026-004 10X
2:26	R1904026-002	2:43	R1904026-006 10X
2:27	R1904026-004	2:44	R1904026-008 10X
2:28	R1904026-006	S1:8	Continuing Calibration Verification1
2:29	R1904026-008	S1:9	Continuing Calibration Blank1
		2:45	R1904026-010 10X
		S1:8	Continuing Calibration Verification1
		S1:9	Continuing Calibration Blank1
		S1:3	Contract Required Detection Limit
		S1:4	Interference Check Solution A
		S1:5	Interference Check Solution AB
		S1:8	Continuing Calibration Verification1
		S1:9	Continuing Calibration Blank1

5/10/19
LA

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Path: C:\Agilent\ICP Expert\My Results\6MAY10A.esws

Date created: 5/10/2019 11:23:24 AM

Instrument used: MY15340001

Software Version : 7.4.1.10449

Firmware Version : 3585

Notes:

*Analysis
5/11/19
(CV5/13/19)*

Detailed Results

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 13:53:32	Blank	Ag (328.068 nm)	N/A	0.0000 (ppm)	-58.7392
5/10/2019 13:53:32	Blank	Al (394.401 nm)	N/A	0.0000 (ppm)	366.4945
5/10/2019 13:53:32	Blank	As (188.980 nm)	N/A	0.0000 (ppm)	0.1361
5/10/2019 13:53:32	Blank	B (249.772 nm)	N/A	0.0000 (ppm)	100.9367
5/10/2019 13:53:32	Blank	Ba (230.424 nm)	N/A	0.0000 (ppm)	19.6263
5/10/2019 13:53:32	Blank	Be (313.107 nm)	N/A	0.0000 (ppm)	-286.4763
5/10/2019 13:53:32	Blank	Ca (227.547 nm)	N/A	0.0000 (ppm)	1.3064
5/10/2019 13:53:32	Blank	Cd (214.439 nm)	N/A	0.0000 (ppm)	8.6576
5/10/2019 13:53:32	Blank	Co (230.786 nm)	N/A	0.0000 (ppm)	-2.2623
5/10/2019 13:53:32	Blank	Cr (267.716 nm)	N/A	0.0000 (ppm)	12.7655
5/10/2019 13:53:32	Blank	Cu (327.395 nm)	N/A	0.0000 (ppm)	23.2954
5/10/2019 13:53:32	Blank	Fe (234.350 nm)	N/A	0.0000 (ppm)	72.8423
5/10/2019 13:53:32	Blank	K (766.491 nm)	N/A	0.0000 (ppm)	27.6862
5/10/2019 13:53:32	Blank	Mg (279.078 nm)	N/A	0.0000 (ppm)	34.5489
5/10/2019 13:53:32	Blank	Mn (257.610 nm)	N/A	0.0000 (ppm)	46.3575
5/10/2019 13:53:32	Blank	Mo (202.032 nm)	N/A	0.0000 (ppm)	1.7714
5/10/2019 13:53:32	Blank	Na (588.995 nm)	N/A	0.0000 (ppm)	-9115.7670
5/10/2019 13:53:32	Blank	Ni (230.299 nm)	N/A	0.0000 (ppm)	-12.0385
5/10/2019 13:53:32	Blank	Pb (220.353 nm)	N/A	0.0000 (ppm)	0.4151
5/10/2019 13:53:32	Blank	Sb (217.582 nm)	N/A	0.0000 (ppm)	-2.9329
5/10/2019 13:53:32	Blank	Se (196.026 nm)	N/A	0.0000 (ppm)	-0.3966
5/10/2019 13:53:32	Blank	Sn (189.925 nm)	N/A	0.0000 (ppm)	-0.8855
5/10/2019 13:53:32	Blank	Sr (216.596 nm)	N/A	0.0000 (ppm)	-1.0086
5/10/2019 13:53:32	Blank	Ti (336.122 nm)	N/A	0.0000 (ppm)	-102.3933
5/10/2019 13:53:32	Blank	Ti (351.923 nm)	N/A	0.0000 (ppm)	-0.9187
5/10/2019 13:53:32	Blank	V (292.401 nm)	N/A	0.0000 (ppm)	48.3041
5/10/2019 13:53:32	Blank	Y (360.074 nm)	0.00	1.00 (Ratio)	1136738.52
5/10/2019 13:53:32	Blank	Y_R (360.074 nm)	0.00	1.00 (Ratio)	1136827.24
5/10/2019 13:53:32	Blank	Zn (213.857 nm)	N/A	0.0000 (ppm)	-8.5151
5/10/2019 13:56:52	Standard 1	Ag (328.068 nm)	N/A		-64.8983
5/10/2019 13:56:52	Standard 1	Al (394.401 nm)	N/A		573.3175
5/10/2019 13:56:52	Standard 1	As (188.980 nm)	N/A	0.0050 (ppm)	3.1489
5/10/2019 13:56:52	Standard 1	B (249.772 nm)	N/A		59.2213
5/10/2019 13:56:52	Standard 1	Ba (230.424 nm)	N/A	0.0200 (ppm)	986.6813
5/10/2019 13:56:52	Standard 1	Be (313.107 nm)	N/A		-302.8331
5/10/2019 13:56:52	Standard 1	Ca (227.547 nm)	N/A		28.2103
5/10/2019 13:56:52	Standard 1	Cd (214.439 nm)	N/A	0.0010 (ppm)	27.9665
5/10/2019 13:56:52	Standard 1	Co (230.786 nm)	N/A	0.0030 (ppm)	31.5699
5/10/2019 13:56:52	Standard 1	Cr (267.716 nm)	N/A	0.0050 (ppm)	260.3951
5/10/2019 13:56:52	Standard 1	Cu (327.395 nm)	N/A	0.0100 (ppm)	638.6862

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 13:56:52	Standard 1	Fe (234.350 nm)	N/A		82.2553
5/10/2019 13:56:52	Standard 1	K (766.491 nm)	N/A		6079.0586
5/10/2019 13:56:52	Standard 1	Mg (279.078 nm)	N/A		1086.1485
5/10/2019 13:56:52	Standard 1	Mn (257.610 nm)	N/A	0.0100 (ppm)	3403.3980
5/10/2019 13:56:52	Standard 1	Mo (202.032 nm)	N/A	0.0250 (ppm)	139.1967
5/10/2019 13:56:52	Standard 1	Na (588.995 nm)	N/A		1184.14115
5/10/2019 13:56:52	Standard 1	Ni (230.299 nm)	N/A		-9.3202
5/10/2019 13:56:52	Standard 1	Pb (220.353 nm)	N/A	0.0050 (ppm)	15.6110
5/10/2019 13:56:52	Standard 1	Sb (217.582 nm)	N/A	0.0100 (ppm)	9.2422
5/10/2019 13:56:52	Standard 1	Se (196.026 nm)	N/A		-0.6157
5/10/2019 13:56:52	Standard 1	Sn (189.925 nm)	N/A		-0.9119
5/10/2019 13:56:52	Standard 1	Sr (216.596 nm)	N/A		1.2622
5/10/2019 13:56:52	Standard 1	Ti (336.122 nm)	N/A		-108.3824
5/10/2019 13:56:52	Standard 1	Ti (351.923 nm)	N/A	0.0100 (ppm)	25.5404
5/10/2019 13:56:52	Standard 1	V (292.401 nm)	N/A	0.0030 (ppm)	124.1613
5/10/2019 13:56:52	Standard 1	Y (360.074 nm)	0.50	1.00 (Ratio)	1133955.83
5/10/2019 13:56:52	Standard 1	Y_R (360.074 nm)	0.50	1.00 (Ratio)	1134115.31
5/10/2019 13:56:52	Standard 1	Zn (213.857 nm)	N/A	0.0100 (ppm)	326.8548
5/10/2019 14:00:13	Standard 2	Ag (328.068 nm)	N/A		-57.8373
5/10/2019 14:00:13	Standard 2	Al (394.401 nm)	N/A	0.1000 (ppm)	1732.2087
5/10/2019 14:00:13	Standard 2	As (188.980 nm)	N/A	0.0100 (ppm)	6.7026
5/10/2019 14:00:13	Standard 2	B (249.772 nm)	N/A	0.2000 (ppm)	6980.6318
5/10/2019 14:00:13	Standard 2	Ba (230.424 nm)	N/A		8.0827
5/10/2019 14:00:13	Standard 2	Be (313.107 nm)	N/A	0.0030 (ppm)	3365.8788
5/10/2019 14:00:13	Standard 2	Ca (227.547 nm)	N/A	1.0000 (ppm)	55.1578
5/10/2019 14:00:13	Standard 2	Cd (214.439 nm)	N/A	0.0050 (ppm)	101.6987
5/10/2019 14:00:13	Standard 2	Co (230.786 nm)	N/A		-1.3877
5/10/2019 14:00:13	Standard 2	Cr (267.716 nm)	N/A		30.4921
5/10/2019 14:00:13	Standard 2	Cu (327.395 nm)	N/A	0.0200 (ppm)	1240.1295
5/10/2019 14:00:13	Standard 2	Fe (234.350 nm)	N/A		71.3813
5/10/2019 14:00:13	Standard 2	K (766.491 nm)	N/A	2.0000 (ppm)	6047.6590
5/10/2019 14:00:13	Standard 2	Mg (279.078 nm)	N/A	1.0000 (ppm)	20.5838
5/10/2019 14:00:13	Standard 2	Mn (257.610 nm)	N/A		40.9352
5/10/2019 14:00:13	Standard 2	Mo (202.032 nm)	N/A		0.9825
5/10/2019 14:00:13	Standard 2	Na (588.995 nm)	N/A	1.0000 (ppm)	33216.7614
5/10/2019 14:00:13	Standard 2	Ni (230.299 nm)	N/A		-14.3638
5/10/2019 14:00:13	Standard 2	Pb (220.353 nm)	N/A	0.0500 (ppm)	149.6373
5/10/2019 14:00:13	Standard 2	Sb (217.582 nm)	N/A	0.0600 (ppm)	64.4892
5/10/2019 14:00:13	Standard 2	Se (196.026 nm)	N/A	0.0100 (ppm)	5.1333
5/10/2019 14:00:13	Standard 2	Sn (189.925 nm)	N/A	0.5000 (ppm)	338.5025
5/10/2019 14:00:13	Standard 2	Sr (216.596 nm)	N/A		0.6828
5/10/2019 14:00:13	Standard 2	Ti (336.122 nm)	N/A		-112.0800
5/10/2019 14:00:13	Standard 2	Ti (351.923 nm)	N/A		1.1241
5/10/2019 14:00:13	Standard 2	V (292.401 nm)	N/A		44.1530
5/10/2019 14:00:13	Standard 2	Y (360.074 nm)	0.32	0.99 (Ratio)	1128513.65
5/10/2019 14:00:13	Standard 2	Y_R (360.074 nm)	0.32	0.99 (Ratio)	1128612.40
5/10/2019 14:00:13	Standard 2	Zn (213.857 nm)	N/A		18.5179
5/10/2019 14:03:34	Standard 3	Ag (328.068 nm)	N/A	0.0100 (ppm)	566.5629
5/10/2019 14:03:34	Standard 3	Al (394.401 nm)	N/A		3070.0389
5/10/2019 14:03:34	Standard 3	As (188.980 nm)	N/A		10.6901
5/10/2019 14:03:34	Standard 3	B (249.772 nm)	N/A		1814.3295

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:03:34	Standard 3	Ba (230.424 nm)	N/A		9390.7644
5/10/2019 14:03:34	Standard 3	Be (313.107 nm)	N/A	0.0050 (ppm)	5667.0809
5/10/2019 14:03:34	Standard 3	Ca (227.547 nm)	N/A	0.5000 (ppm)	28.2492
5/10/2019 14:03:34	Standard 3	Cd (214.439 nm)	N/A		203.0018
5/10/2019 14:03:34	Standard 3	Co (230.786 nm)	N/A	0.0500 (ppm)	600.7479
5/10/2019 14:03:34	Standard 3	Cr (267.716 nm)	N/A	0.0100 (ppm)	401.2414
5/10/2019 14:03:34	Standard 3	Cu (327.395 nm)	N/A		1476.6354
5/10/2019 14:03:34	Standard 3	Fe (234.350 nm)	N/A	0.1000 (ppm)	1077.2871
5/10/2019 14:03:34	Standard 3	K (766.491 nm)	N/A	0.5000 (ppm)	1519.6157
5/10/2019 14:03:34	Standard 3	Mg (279.078 nm)	N/A	0.5000 (ppm)	1076.4906
5/10/2019 14:03:34	Standard 3	Mn (257.610 nm)	N/A		4851.3894
5/10/2019 14:03:34	Standard 3	Mo (202.032 nm)	N/A		265.4148
5/10/2019 14:03:34	Standard 3	Na (588.995 nm)	N/A	0.5000 (ppm)	11719.7788
5/10/2019 14:03:34	Standard 3	Ni (230.299 nm)	N/A	0.0400 (ppm)	380.3919
5/10/2019 14:03:34	Standard 3	Pb (220.353 nm)	N/A		30.6147
5/10/2019 14:03:34	Standard 3	Sb (217.582 nm)	N/A		104.3897
5/10/2019 14:03:34	Standard 3	Se (196.026 nm)	N/A		4.9483
5/10/2019 14:03:34	Standard 3	Sn (189.925 nm)	N/A		68.1155
5/10/2019 14:03:34	Standard 3	Sr (216.596 nm)	N/A	0.0500 (ppm)	486.1863
5/10/2019 14:03:34	Standard 3	Ti (336.122 nm)	N/A	0.0500 (ppm)	11476.9109
5/10/2019 14:03:34	Standard 3	Tl (351.923 nm)	N/A	0.0200 (ppm)	52.8455
5/10/2019 14:03:34	Standard 3	V (292.401 nm)	N/A	0.0500 (ppm)	1501.9030
5/10/2019 14:03:34	Standard 3	Y (360.074 nm)	0.41	1.00 (Ratio)	1138925.38
5/10/2019 14:03:34	Standard 3	Y_R (360.074 nm)	0.42	1.00 (Ratio)	1139141.87
5/10/2019 14:03:34	Standard 3	Zn (213.857 nm)	N/A	0.0200 (ppm)	637.9922
5/10/2019 14:06:55	Standard 4	Ag (328.068 nm)	N/A	0.2000 (ppm)	12627.2833
5/10/2019 14:06:55	Standard 4	Al (394.401 nm)	N/A	4.0000 (ppm)	60826.2178
5/10/2019 14:06:55	Standard 4	As (188.980 nm)	N/A	0.4000 (ppm)	237.0214
5/10/2019 14:06:55	Standard 4	B (249.772 nm)	N/A	1.0000 (ppm)	36376.0672
5/10/2019 14:06:55	Standard 4	Ba (230.424 nm)	N/A	4.0000 (ppm)	187419.9328
5/10/2019 14:06:55	Standard 4	Be (313.107 nm)	N/A	0.1000 (ppm)	123437.3912
5/10/2019 14:06:55	Standard 4	Ca (227.547 nm)	N/A	10.0000 (ppm)	548.8761
5/10/2019 14:06:55	Standard 4	Cd (214.439 nm)	N/A	0.2000 (ppm)	4008.4345
5/10/2019 14:06:55	Standard 4	Co (230.786 nm)	N/A	1.0000 (ppm)	12065.6981
5/10/2019 14:06:55	Standard 4	Cr (267.716 nm)	N/A	0.2000 (ppm)	7834.7325
5/10/2019 14:06:55	Standard 4	Cu (327.395 nm)	N/A	0.5000 (ppm)	29600.8271
5/10/2019 14:06:55	Standard 4	Fe (234.350 nm)	N/A	2.0000 (ppm)	21007.5169
5/10/2019 14:06:55	Standard 4	K (766.491 nm)	N/A	10.0000 (ppm)	31492.3208
5/10/2019 14:06:55	Standard 4	Mg (279.078 nm)	N/A	10.0000 (ppm)	21444.2562
5/10/2019 14:06:55	Standard 4	Mn (257.610 nm)	N/A	0.3000 (ppm)	91262.4123
5/10/2019 14:06:55	Standard 4	Mo (202.032 nm)	N/A	1.0000 (ppm)	5337.5560
5/10/2019 14:06:55	Standard 4	Na (588.995 nm)	N/A	10.0000 (ppm)	407973.9687
5/10/2019 14:06:55	Standard 4	Ni (230.299 nm)	N/A	0.8000 (ppm)	7793.8613
5/10/2019 14:06:55	Standard 4	Pb (220.353 nm)	N/A	0.2000 (ppm)	554.2597
5/10/2019 14:06:55	Standard 4	Sb (217.582 nm)	N/A	2.0000 (ppm)	2131.5630
5/10/2019 14:06:55	Standard 4	Se (196.026 nm)	N/A	0.2000 (ppm)	86.0512
5/10/2019 14:06:55	Standard 4	Sn (189.925 nm)	N/A	2.0000 (ppm)	1375.5472
5/10/2019 14:06:55	Standard 4	Sr (216.596 nm)	N/A	1.0000 (ppm)	9753.2106
5/10/2019 14:06:55	Standard 4	Ti (336.122 nm)	N/A	1.0000 (ppm)	234048.6587
5/10/2019 14:06:55	Standard 4	Tl (351.923 nm)	N/A	0.4000 (ppm)	1083.8087
5/10/2019 14:06:55	Standard 4	V (292.401 nm)	N/A	1.0000 (ppm)	29862.0539

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:06:55	Standard 4	Y (360.074 nm)	0.51	0.98 (Ratio)	1117085.76
5/10/2019 14:06:55	Standard 4	Y_R (360.074 nm)	0.51	0.98 (Ratio)	1116996.46
5/10/2019 14:06:55	Standard 4	Zn (213.857 nm)	N/A	0.4000 (ppm)	12463.6781
5/10/2019 14:10:14	Standard 5	Ag (328.068 nm)	N/A	1.0000 (ppm)	64427.8685
5/10/2019 14:10:14	Standard 5	Al (394.401 nm)	N/A	20.0000 (ppm)	323710.0682
5/10/2019 14:10:14	Standard 5	As (188.980 nm)	N/A	2.0000 (ppm)	1208.1210
5/10/2019 14:10:14	Standard 5	B (249.772 nm)	N/A	5.0000 (ppm)	186705.1567
5/10/2019 14:10:14	Standard 5	Ba (230.424 nm)	N/A	20.0000 (ppm)	903821.8346
5/10/2019 14:10:14	Standard 5	Be (313.107 nm)	N/A	0.5000 (ppm)	628120.4301
5/10/2019 14:10:14	Standard 5	Ca (227.547 nm)	N/A	50.0000 (ppm)	2863.2967
5/10/2019 14:10:14	Standard 5	Cd (214.439 nm)	N/A	1.0000 (ppm)	19777.8886
5/10/2019 14:10:14	Standard 5	Co (230.786 nm)	N/A	5.0000 (ppm)	59336.9249
5/10/2019 14:10:14	Standard 5	Cr (267.716 nm)	N/A	1.0000 (ppm)	39000.3751
5/10/2019 14:10:14	Standard 5	Cu (327.395 nm)	N/A	2.5000 (ppm)	151722.4169
5/10/2019 14:10:14	Standard 5	Fe (234.350 nm)	N/A	10.0000 (ppm)	103298.6714
5/10/2019 14:10:14	Standard 5	K (766.491 nm)	N/A	50.0000 (ppm)	165488.3036
5/10/2019 14:10:14	Standard 5	Mg (279.078 nm)	N/A	50.0000 (ppm)	107218.0791
5/10/2019 14:10:14	Standard 5	Mn (257.610 nm)	N/A	1.5000 (ppm)	449803.7379
5/10/2019 14:10:14	Standard 5	Mo (202.032 nm)	N/A	5.0000 (ppm)	26848.2342
5/10/2019 14:10:14	Standard 5	Na (588.995 nm)	N/A	50.0000 (ppm)	2079278.1625
5/10/2019 14:10:14	Standard 5	Ni (230.299 nm)	N/A	4.0000 (ppm)	38036.9658
5/10/2019 14:10:14	Standard 5	Pb (220.353 nm)	N/A	1.0000 (ppm)	2722.9044
5/10/2019 14:10:14	Standard 5	Sb (217.582 nm)	N/A	10.0000 (ppm)	10764.4757
5/10/2019 14:10:14	Standard 5	Se (196.026 nm)	N/A	1.0000 (ppm)	439.5424
5/10/2019 14:10:14	Standard 5	Sn (189.925 nm)	N/A	10.0000 (ppm)	6846.9204
5/10/2019 14:10:14	Standard 5	Sr (216.596 nm)	N/A	5.0000 (ppm)	48180.1930
5/10/2019 14:10:14	Standard 5	Ti (336.122 nm)	N/A	5.0000 (ppm)	1176111.0497
5/10/2019 14:10:14	Standard 5	Tl (351.923 nm)	N/A	2.0000 (ppm)	5612.1233
5/10/2019 14:10:14	Standard 5	V (292.401 nm)	N/A	5.0000 (ppm)	150387.0842
5/10/2019 14:10:14	Standard 5	Y (360.074 nm)	0.34	0.94 (Ratio)	1063602.39
5/10/2019 14:10:14	Standard 5	Y_R (360.074 nm)	0.34	0.94 (Ratio)	1063277.39
5/10/2019 14:10:14	Standard 5	Zn (213.857 nm)	N/A	2.0000 (ppm)	63012.4842
5/10/2019 14:14:04	Initial Calibration Verification	Ag (328.068 nm)	0.27	0.4955 (ppm)	31874.3966
5/10/2019 14:14:04	Initial Calibration Verification	Al (394.401 nm)	0.48	9.6943 (ppm)	156703.6400
5/10/2019 14:14:04	Initial Calibration Verification	As (188.980 nm)	0.68	0.9899 (ppm)	597.6007
5/10/2019 14:14:04	Initial Calibration Verification	B (249.772 nm)	0.39	2.4699 (ppm)	92170.2389
5/10/2019 14:14:04	Initial Calibration Verification	Ba (230.424 nm)	0.41	10.3962 (ppm)	470489.1717
5/10/2019 14:14:04	Initial Calibration Verification	Be (313.107 nm)	0.35	0.2553 (ppm)	320408.6272
5/10/2019 14:14:04	Initial Calibration Verification	Ca (227.547 nm)	0.76	24.6238 (ppm)	1408.3755
5/10/2019 14:14:04	Initial Calibration Verification	Cd (214.439 nm)	0.38	0.5021 (ppm)	9938.8962
5/10/2019 14:14:04	Initial Calibration Verification	Co (230.786 nm)	0.35	2.6298 (ppm)	31227.7576
5/10/2019 14:14:04	Initial Calibration Verification	Cr (267.716 nm)	0.44	0.5099 (ppm)	19895.2003
5/10/2019 14:14:04	Initial Calibration Verification	Cu (327.395 nm)	0.39	1.2228 (ppm)	74153.1779
5/10/2019 14:14:04	Initial Calibration Verification	Fe (234.350 nm)	0.43	4.9305 (ppm)	50995.1631
5/10/2019 14:14:04	Initial Calibration Verification	K (766.491 nm)	0.35	24.8776 (ppm)	82185.3994
5/10/2019 14:14:04	Initial Calibration Verification	Mg (279.078 nm)	0.27	25.2826 (ppm)	54208.2915
5/10/2019 14:14:04	Initial Calibration Verification	Mn (257.610 nm)	0.49	0.7570 (ppm)	227141.0300
5/10/2019 14:14:04	Initial Calibration Verification	Mo (202.032 nm)	0.54	2.4914 (ppm)	13375.8496
5/10/2019 14:14:04	Initial Calibration Verification	Na (588.995 nm)	0.62	24.8803 (ppm)	1030030.0595
5/10/2019 14:14:04	Initial Calibration Verification	Ni (230.299 nm)	0.36	2.0092 (ppm)	19118.6492
5/10/2019 14:14:04	Initial Calibration Verification	Pb (220.353 nm)	0.44	0.5054 (ppm)	1377.5044

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:14:04	Initial Calibration Verification	Sb (217.582 nm)	0.27	4.8123 (ppm)	5176.8922
5/10/2019 14:14:04	Initial Calibration Verification	Se (196.026 nm)	1.41	0.4865 (ppm)	213.4863
5/10/2019 14:14:04	Initial Calibration Verification	Sn (189.925 nm)	0.65	5.0072 (ppm)	3428.5098
5/10/2019 14:14:04	Initial Calibration Verification	Sr (216.596 nm)	0.50	2.5606 (ppm)	24685.4026
5/10/2019 14:14:04	Initial Calibration Verification	Ti (336.122 nm)	0.35	2.5360 (ppm)	596360.8341
5/10/2019 14:14:04	Initial Calibration Verification	Ti (351.923 nm)	0.48	1.0201 (ppm)	2858.4112
5/10/2019 14:14:04	Initial Calibration Verification	V (292.401 nm)	0.41	2.5603 (ppm)	77006.2624
5/10/2019 14:14:04	Initial Calibration Verification	Y (360.074 nm)	0.43	0.96 (Ratio)	1086501.03
5/10/2019 14:14:04	Initial Calibration Verification	Y_R (360.074 nm)	0.43	0.96 (Ratio)	1086276.91
5/10/2019 14:14:04	Initial Calibration Verification	Zn (213.857 nm)	0.35	0.9839 (ppm)	30980.7610
5/10/2019 14:17:25	Initial Calibration Blank	Ag (328.068 nm)	38.43	0.0001 (ppm)	-50.2126
5/10/2019 14:17:25	Initial Calibration Blank	Al (394.401 nm)	11.39	-0.0096 u (ppm)	211.6549
5/10/2019 14:17:25	Initial Calibration Blank	As (188.980 nm)	> 100.00	0.0007 u (ppm)	0.5288
5/10/2019 14:17:25	Initial Calibration Blank	B (249.772 nm)	8.64	0.0015 (ppm)	158.1316
5/10/2019 14:17:25	Initial Calibration Blank	Ba (230.424 nm)	11.70	0.0024 (ppm)	127.5250
5/10/2019 14:17:25	Initial Calibration Blank	Be (313.107 nm)	46.58	0.0000 (ppm)	-245.3378
5/10/2019 14:17:25	Initial Calibration Blank	Ca (227.547 nm)	81.61	0.0337 (ppm)	3.2305
5/10/2019 14:17:25	Initial Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	10.6254
5/10/2019 14:17:25	Initial Calibration Blank	Co (230.786 nm)	28.25	0.0009 (ppm)	8.2424
5/10/2019 14:17:25	Initial Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.0599
5/10/2019 14:17:25	Initial Calibration Blank	Cu (327.395 nm)	20.77	0.0001 (ppm)	31.6945
5/10/2019 14:17:25	Initial Calibration Blank	Fe (234.350 nm)	17.68	-0.0023 u (ppm)	49.3938
5/10/2019 14:17:25	Initial Calibration Blank	K (766.491 nm)	11.66	0.0373 (ppm)	150.7785
5/10/2019 14:17:25	Initial Calibration Blank	Mg (279.078 nm)	15.57	-0.0073 u (ppm)	18.9323
5/10/2019 14:17:25	Initial Calibration Blank	Mn (257.610 nm)	23.56	0.0001 (ppm)	79.4951
5/10/2019 14:17:25	Initial Calibration Blank	Mo (202.032 nm)	7.52	0.0047 (ppm)	26.9608
5/10/2019 14:17:25	Initial Calibration Blank	Na (588.995 nm)	42.32	0.0032 (ppm)	-8982.0240
5/10/2019 14:17:25	Initial Calibration Blank	Ni (230.299 nm)	> 100.00	0.0002 u (ppm)	-10.1366
5/10/2019 14:17:25	Initial Calibration Blank	Pb (220.353 nm)	> 100.00	0.0007 (ppm)	2.3568
5/10/2019 14:17:25	Initial Calibration Blank	Sb (217.582 nm)	22.74	0.0061 (ppm)	3.6311
5/10/2019 14:17:25	Initial Calibration Blank	Se (196.026 nm)	> 100.00	0.0025 u (ppm)	0.6807
5/10/2019 14:17:25	Initial Calibration Blank	Sn (189.925 nm)	> 100.00	0.0015 u (ppm)	0.1273
5/10/2019 14:17:25	Initial Calibration Blank	Sr (216.596 nm)	34.31	0.0007 (ppm)	5.4423
5/10/2019 14:17:25	Initial Calibration Blank	Ti (336.122 nm)	8.16	0.0021 (ppm)	396.4621
5/10/2019 14:17:25	Initial Calibration Blank	Ti (351.923 nm)	> 100.00	0.0013 u (ppm)	2.8015
5/10/2019 14:17:25	Initial Calibration Blank	V (292.401 nm)	20.62	0.0004 (ppm)	61.3216
5/10/2019 14:17:25	Initial Calibration Blank	Y (360.074 nm)	0.46	1.00 (Ratio)	1137258.15
5/10/2019 14:17:25	Initial Calibration Blank	Y_R (360.074 nm)	0.46	1.00 (Ratio)	1137435.17
5/10/2019 14:17:25	Initial Calibration Blank	Zn (213.857 nm)	51.40	0.0001 (ppm)	-5.7657
5/10/2019 14:20:44	Contract Required Detection Limit	Ag (328.068 nm)	0.75	0.0100 (ppm)	588.6963
5/10/2019 14:20:44	Contract Required Detection Limit	Al (394.401 nm)	0.59	0.1735 (ppm)	3164.4217
5/10/2019 14:20:44	Contract Required Detection Limit	As (188.980 nm)	13.96	0.0214 (ppm)	13.0768
5/10/2019 14:20:44	Contract Required Detection Limit	B (249.772 nm)	0.27	0.1862 (ppm)	7042.1560
5/10/2019 14:20:44	Contract Required Detection Limit	Ba (230.424 nm)	0.12	0.2167 (ppm)	9826.2870
5/10/2019 14:20:44	Contract Required Detection Limit	Be (313.107 nm)	0.31	0.0050 (ppm)	5944.3939
5/10/2019 14:20:44	Contract Required Detection Limit	Ca (227.547 nm)	4.86	0.9156 (ppm)	53.6263
5/10/2019 14:20:44	Contract Required Detection Limit	Cd (214.439 nm)	0.44	0.0100 (ppm)	206.6178
5/10/2019 14:20:44	Contract Required Detection Limit	Co (230.786 nm)	0.10	0.0530 (ppm)	627.0972
5/10/2019 14:20:44	Contract Required Detection Limit	Cr (267.716 nm)	1.97	0.0103 (ppm)	413.7066
5/10/2019 14:20:44	Contract Required Detection Limit	Cu (327.395 nm)	0.86	0.0250 (ppm)	1539.8933
5/10/2019 14:20:44	Contract Required Detection Limit	Fe (234.350 nm)	0.63	0.1034 (ppm)	1140.6961

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:20:44	Contract Required Detection Limit	K (766.491 nm)	0.38	0.9377 (ppm)	3124.5178
5/10/2019 14:20:44	Contract Required Detection Limit	Mg (279.078 nm)	0.30	0.9891 (ppm)	2153.8816
5/10/2019 14:20:44	Contract Required Detection Limit	Mn (257.610 nm)	0.47	0.0160 (ppm)	4832.4466
5/10/2019 14:20:44	Contract Required Detection Limit	Mo (202.032 nm)	1.69	0.0274 (ppm)	148.8742
5/10/2019 14:20:44	Contract Required Detection Limit	Na (588.995 nm)	0.32	0.9989 (ppm)	32604.7542
5/10/2019 14:20:44	Contract Required Detection Limit	Ni (230.299 nm)	1.34	0.0424 (ppm)	391.7946
5/10/2019 14:20:44	Contract Required Detection Limit	Pb (220.353 nm)	16.19	0.0116 (ppm)	32.0406
5/10/2019 14:20:44	Contract Required Detection Limit	Sb (217.582 nm)	3.52	0.0604 (ppm)	62.0306
5/10/2019 14:20:44	Contract Required Detection Limit	Se (196.026 nm)	19.27	0.0120 (ppm)	4.8786
5/10/2019 14:20:44	Contract Required Detection Limit	Sn (189.925 nm)	0.36	0.5026 (ppm)	343.3754
5/10/2019 14:20:44	Contract Required Detection Limit	Sr (216.596 nm)	0.81	0.1038 (ppm)	999.3588
5/10/2019 14:20:44	Contract Required Detection Limit	Ti (336.122 nm)	0.30	0.0520 (ppm)	12123.9997
5/10/2019 14:20:44	Contract Required Detection Limit	Tl (351.923 nm)	1.72	0.0181 (ppm)	49.7317
5/10/2019 14:20:44	Contract Required Detection Limit	V (292.401 nm)	0.51	0.0512 (ppm)	1586.2168
5/10/2019 14:20:44	Contract Required Detection Limit	Y (360.074 nm)	0.41	0.99 (Ratio)	1129847.05
5/10/2019 14:20:44	Contract Required Detection Limit	Y_R (360.074 nm)	0.41	0.99 (Ratio)	1130018.71
5/10/2019 14:20:44	Contract Required Detection Limit	Zn (213.857 nm)	1.32	0.0200 (ppm)	622.6537
5/10/2019 14:24:03	Interference Check Solution A	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-50.2342
5/10/2019 14:24:03	Interference Check Solution A	Al (394.401 nm)	0.22	266.2803 o (ppm)	4294575.3137
5/10/2019 14:24:03	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0011 u (ppm)	-0.4986
5/10/2019 14:24:03	Interference Check Solution A	B (249.772 nm)	0.23	0.0478 (ppm)	1881.1076
5/10/2019 14:24:03	Interference Check Solution A	Ba (230.424 nm)	6.56	0.0024 (ppm)	126.9388
5/10/2019 14:24:03	Interference Check Solution A	Be (313.107 nm)	47.73	0.0000 u (ppm)	-312.3000
5/10/2019 14:24:03	Interference Check Solution A	Ca (227.547 nm)	0.14	267.8656 o (ppm)	15307.8810
5/10/2019 14:24:03	Interference Check Solution A	Cd (214.439 nm)	21.24	-0.0009 u (ppm)	-8.4729
5/10/2019 14:24:03	Interference Check Solution A	Co (230.786 nm)	15.81	-0.0020 u (ppm)	-26.1441
5/10/2019 14:24:03	Interference Check Solution A	Cr (267.716 nm)	20.85	0.0007 (ppm)	41.5426
5/10/2019 14:24:03	Interference Check Solution A	Cu (327.395 nm)	6.80	-0.0003 u (ppm)	6.8434
5/10/2019 14:24:03	Interference Check Solution A	Fe (234.350 nm)	0.68	91.1971 o (ppm)	941968.0383
5/10/2019 14:24:03	Interference Check Solution A	K (766.491 nm)	47.14	0.0377 (ppm)	152.1746
5/10/2019 14:24:03	Interference Check Solution A	Mg (279.078 nm)	0.41	262.2188 o (ppm)	561899.0661
5/10/2019 14:24:03	Interference Check Solution A	Mn (257.610 nm)	0.25	0.0020 (ppm)	651.2966
5/10/2019 14:24:03	Interference Check Solution A	Mo (202.032 nm)	39.54	0.0013 (ppm)	8.8541
5/10/2019 14:24:03	Interference Check Solution A	Na (588.995 nm)	14.54	-0.0115 u (ppm)	-9596.1660
5/10/2019 14:24:03	Interference Check Solution A	Ni (230.299 nm)	81.19	-0.0010 u (ppm)	-21.6613
5/10/2019 14:24:03	Interference Check Solution A	Pb (220.353 nm)	91.79	-0.0021 u (ppm)	-5.2268
5/10/2019 14:24:03	Interference Check Solution A	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-3.0082
5/10/2019 14:24:03	Interference Check Solution A	Se (196.026 nm)	61.56	0.0041 (ppm)	1.4031
5/10/2019 14:24:03	Interference Check Solution A	Sn (189.925 nm)	> 100.00	-0.0002 u (ppm)	-1.0461
5/10/2019 14:24:03	Interference Check Solution A	Sr (216.596 nm)	2.87	0.0191 (ppm)	182.6809
5/10/2019 14:24:03	Interference Check Solution A	Ti (336.122 nm)	3.66	0.0022 (ppm)	404.9535
5/10/2019 14:24:03	Interference Check Solution A	Tl (351.923 nm)	62.32	0.0005 (ppm)	0.3684
5/10/2019 14:24:03	Interference Check Solution A	V (292.401 nm)	8.88	0.0017 (ppm)	97.9687
5/10/2019 14:24:03	Interference Check Solution A	Y (360.074 nm)	0.48	0.88 (Ratio)	1004903.46
5/10/2019 14:24:03	Interference Check Solution A	Y_R (360.074 nm)	0.49	0.88 (Ratio)	1004619.11
5/10/2019 14:24:03	Interference Check Solution A	Zn (213.857 nm)	1.92	0.0116 K (ppm)	356.4724 K
5/10/2019 14:27:22	Interference Check Solution AB	Ag (328.068 nm)	0.14	0.2127 (ppm)	13650.0565
5/10/2019 14:27:22	Interference Check Solution AB	Al (394.401 nm)	0.36	266.6753 o (ppm)	4300945.3524
5/10/2019 14:27:22	Interference Check Solution AB	As (188.980 nm)	3.79	0.1008 (ppm)	61.0008
5/10/2019 14:27:22	Interference Check Solution AB	B (249.772 nm)	0.44	0.0464 (ppm)	1830.9163
5/10/2019 14:27:22	Interference Check Solution AB	Ba (230.424 nm)	0.50	0.5278 (ppm)	23906.7833

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:27:22	Interference Check Solution AB	Be (313.107 nm)	0.14	0.5000 (ppm)	627692.9057
5/10/2019 14:27:22	Interference Check Solution AB	Ca (227.547 nm)	0.15	268.3034 o (ppm)	15332.8961
5/10/2019 14:27:22	Interference Check Solution AB	Cd (214.439 nm)	0.13	0.9717 (ppm)	19226.4647
5/10/2019 14:27:22	Interference Check Solution AB	Co (230.786 nm)	0.06	0.4874 (ppm)	5785.3451
5/10/2019 14:27:22	Interference Check Solution AB	Cr (267.716 nm)	0.07	0.5012 (ppm)	19557.4491
5/10/2019 14:27:22	Interference Check Solution AB	Cu (327.395 nm)	0.26	0.5230 (ppm)	31727.4812
5/10/2019 14:27:22	Interference Check Solution AB	Fe (234.350 nm)	0.39	91.8767 o (ppm)	948987.1192
5/10/2019 14:27:22	Interference Check Solution AB	K (766.491 nm)	12.28	0.0099 (ppm)	60.4336
5/10/2019 14:27:22	Interference Check Solution AB	Mg (279.078 nm)	0.46	263.7929 o (ppm)	565271.9360
5/10/2019 14:27:22	Interference Check Solution AB	Mn (257.610 nm)	0.10	0.4976 (ppm)	149315.1559
5/10/2019 14:27:22	Interference Check Solution AB	Mo (202.032 nm)	69.38	0.0008 (ppm)	6.0604
5/10/2019 14:27:22	Interference Check Solution AB	Na (588.995 nm)	77.29	-0.0024 u (ppm)	-9216.4754
5/10/2019 14:27:22	Interference Check Solution AB	Ni (230.299 nm)	0.08	0.9537 (ppm)	9068.9524
5/10/2019 14:27:22	Interference Check Solution AB	Pb (220.353 nm)	2.02	0.0472 (ppm)	129.1387
5/10/2019 14:27:22	Interference Check Solution AB	Sb (217.582 nm)	1.31	0.6134 (ppm)	657.3694
5/10/2019 14:27:22	Interference Check Solution AB	Se (196.026 nm)	19.38	0.0417 (ppm)	17.9574
5/10/2019 14:27:22	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0009 u (ppm)	-0.2649
5/10/2019 14:27:22	Interference Check Solution AB	Sr (216.596 nm)	4.05	0.0190 (ppm)	182.1191
5/10/2019 14:27:22	Interference Check Solution AB	Ti (336.122 nm)	4.69	0.0020 (ppm)	360.7405
5/10/2019 14:27:22	Interference Check Solution AB	Tl (351.923 nm)	1.57	0.1133 (ppm)	316.5267
5/10/2019 14:27:22	Interference Check Solution AB	V (292.401 nm)	0.17	0.5089 (ppm)	15344.4625
5/10/2019 14:27:22	Interference Check Solution AB	Y (360.074 nm)	0.64	0.88 (Ratio)	1002974.17
5/10/2019 14:27:22	Interference Check Solution AB	Y_R (360.074 nm)	0.65	0.88 (Ratio)	1002817.57
5/10/2019 14:27:22	Interference Check Solution AB	Zn (213.857 nm)	0.05	1.0124 (ppm)	31880.8961
5/10/2019 14:30:42	Continuing Calibration Verification	Ag (328.068 nm)	0.16	0.4963 (ppm)	31924.6065
5/10/2019 14:30:42	Continuing Calibration Verification	Al (394.401 nm)	0.14	9.6857 (ppm)	156563.8014
5/10/2019 14:30:42	Continuing Calibration Verification	As (188.980 nm)	0.31	0.9838 (ppm)	593.9123
5/10/2019 14:30:42	Continuing Calibration Verification	B (249.772 nm)	0.18	2.4461 (ppm)	91282.2326
5/10/2019 14:30:42	Continuing Calibration Verification	Ba (230.424 nm)	0.25	10.3508 (ppm)	468433.8291
5/10/2019 14:30:42	Continuing Calibration Verification	Be (313.107 nm)	0.16	0.2544 (ppm)	319291.6434
5/10/2019 14:30:42	Continuing Calibration Verification	Ca (227.547 nm)	0.57	24.5637 (ppm)	1404.9454
5/10/2019 14:30:42	Continuing Calibration Verification	Cd (214.439 nm)	0.26	0.5009 (ppm)	9915.4306
5/10/2019 14:30:42	Continuing Calibration Verification	Co (230.786 nm)	0.36	2.6156 (ppm)	31059.2253
5/10/2019 14:30:42	Continuing Calibration Verification	Cr (267.716 nm)	0.31	0.5068 (ppm)	19774.7481
5/10/2019 14:30:42	Continuing Calibration Verification	Cu (327.395 nm)	0.18	1.2199 (ppm)	73974.9260
5/10/2019 14:30:42	Continuing Calibration Verification	Fe (234.350 nm)	0.25	4.9309 (ppm)	50999.5127
5/10/2019 14:30:42	Continuing Calibration Verification	K (766.491 nm)	0.43	24.7586 (ppm)	81792.1638
5/10/2019 14:30:42	Continuing Calibration Verification	Mg (279.078 nm)	0.27	25.2437 (ppm)	54124.9202
5/10/2019 14:30:42	Continuing Calibration Verification	Mn (257.610 nm)	0.24	0.7505 (ppm)	225206.5783
5/10/2019 14:30:42	Continuing Calibration Verification	Mo (202.032 nm)	0.43	2.4772 (ppm)	13299.4922
5/10/2019 14:30:42	Continuing Calibration Verification	Na (588.995 nm)	0.26	24.8495 (ppm)	1028742.0645
5/10/2019 14:30:42	Continuing Calibration Verification	Ni (230.299 nm)	0.37	2.0011 (ppm)	19042.0511
5/10/2019 14:30:42	Continuing Calibration Verification	Pb (220.353 nm)	0.12	0.5057 (ppm)	1378.4973
5/10/2019 14:30:42	Continuing Calibration Verification	Sb (217.582 nm)	0.48	4.8013 (ppm)	5165.0489
5/10/2019 14:30:42	Continuing Calibration Verification	Se (196.026 nm)	0.92	0.4932 (ppm)	216.4417
5/10/2019 14:30:42	Continuing Calibration Verification	Sn (189.925 nm)	0.64	5.0198 (ppm)	3437.1743
5/10/2019 14:30:42	Continuing Calibration Verification	Sr (216.596 nm)	0.57	2.5565 (ppm)	24645.5293
5/10/2019 14:30:42	Continuing Calibration Verification	Ti (336.122 nm)	0.37	2.5287 (ppm)	594649.2223
5/10/2019 14:30:42	Continuing Calibration Verification	Tl (351.923 nm)	0.08	1.0147 (ppm)	2843.2045
5/10/2019 14:30:42	Continuing Calibration Verification	V (292.401 nm)	0.21	2.5517 (ppm)	76747.3005
5/10/2019 14:30:42	Continuing Calibration Verification	Y (360.074 nm)	0.46	0.96 (Ratio)	1088343.37

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:30:42	Continuing Calibration Verification	Y_R (360.074 nm)	0.46	0.96 (Ratio)	1088417.38
5/10/2019 14:30:42	Continuing Calibration Verification	Zn (213.857 nm)	0.20	0.9794 (ppm)	30841.1852
5/10/2019 14:34:02	Continuing Calibration Blank	Ag (328.068 nm)	39.91	-0.0001 u (ppm)	-63.8463
5/10/2019 14:34:02	Continuing Calibration Blank	Al (394.401 nm)	93.96	0.0037 u (ppm)	426.9477
5/10/2019 14:34:02	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0021 u (ppm)	-1.1076
5/10/2019 14:34:02	Continuing Calibration Blank	B (249.772 nm)	80.96	0.0002 (ppm)	109.8927
5/10/2019 14:34:02	Continuing Calibration Blank	Ba (230.424 nm)	35.63	0.0009 (ppm)	61.6122
5/10/2019 14:34:02	Continuing Calibration Blank	Be (313.107 nm)	85.35	0.0000 (ppm)	-267.2121
5/10/2019 14:34:02	Continuing Calibration Blank	Ca (227.547 nm)	63.36	0.0286 (ppm)	2.9434
5/10/2019 14:34:02	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	10.0727
5/10/2019 14:34:02	Continuing Calibration Blank	Co (230.786 nm)	55.38	0.0006 (ppm)	5.3263
5/10/2019 14:34:02	Continuing Calibration Blank	Cr (267.716 nm)	81.74	-0.0001 u (ppm)	9.1972
5/10/2019 14:34:02	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	20.9470
5/10/2019 14:34:02	Continuing Calibration Blank	Fe (234.350 nm)	27.68	0.0050 (ppm)	124.0078
5/10/2019 14:34:02	Continuing Calibration Blank	K (766.491 nm)	22.48	0.0161 (ppm)	80.7875
5/10/2019 14:34:02	Continuing Calibration Blank	Mg (279.078 nm)	38.03	0.0096 (ppm)	55.2027
5/10/2019 14:34:02	Continuing Calibration Blank	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	51.5036
5/10/2019 14:34:02	Continuing Calibration Blank	Mo (202.032 nm)	17.06	0.0033 (ppm)	19.5413
5/10/2019 14:34:02	Continuing Calibration Blank	Na (588.995 nm)	74.03	-0.0012 u (ppm)	-9167.6297
5/10/2019 14:34:02	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	-0.0002 u (ppm)	-14.0964
5/10/2019 14:34:02	Continuing Calibration Blank	Pb (220.353 nm)	18.83	0.0011 (ppm)	3.4715
5/10/2019 14:34:02	Continuing Calibration Blank	Sb (217.582 nm)	56.12	0.0040 (ppm)	1.3616
5/10/2019 14:34:02	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0018 u (ppm)	0.3895
5/10/2019 14:34:02	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	-0.0759
5/10/2019 14:34:02	Continuing Calibration Blank	Sr (216.596 nm)	55.87	0.0003 (ppm)	2.0279
5/10/2019 14:34:02	Continuing Calibration Blank	Ti (336.122 nm)	15.50	0.0014 (ppm)	222.0127
5/10/2019 14:34:02	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	-0.0008 u (ppm)	-3.0908
5/10/2019 14:34:02	Continuing Calibration Blank	V (292.401 nm)	71.82	0.0001 (ppm)	49.8300
5/10/2019 14:34:02	Continuing Calibration Blank	Y (360.074 nm)	0.32	1.00 (Ratio)	1134775.07
5/10/2019 14:34:02	Continuing Calibration Blank	Y_R (360.074 nm)	0.32	1.00 (Ratio)	1135083.92
5/10/2019 14:34:02	Continuing Calibration Blank	Zn (213.857 nm)	36.60	0.0001 (ppm)	-5.9255
5/10/2019 14:37:22	PBT-336346	Ag (328.068 nm)	78.73	0.0001 (ppm)	-53.6706
5/10/2019 14:37:22	PBT-336346	Al (394.401 nm)	60.95	0.0034 (ppm)	421.1292
5/10/2019 14:37:22	PBT-336346	As (188.980 nm)	> 100.00	0.0005 u (ppm)	0.4304
5/10/2019 14:37:22	PBT-336346	B (249.772 nm)	18.91	0.0009 (ppm)	134.1658
5/10/2019 14:37:22	PBT-336346	Ba (230.424 nm)	21.64	0.0005 (ppm)	43.3251
5/10/2019 14:37:22	PBT-336346	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.3603
5/10/2019 14:37:22	PBT-336346	Ca (227.547 nm)	41.19	0.0765 (ppm)	5.6787
5/10/2019 14:37:22	PBT-336346	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	7.1831
5/10/2019 14:37:22	PBT-336346	Co (230.786 nm)	95.80	0.0003 (ppm)	1.6159
5/10/2019 14:37:22	PBT-336346	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.0383
5/10/2019 14:37:22	PBT-336346	Cu (327.395 nm)	25.13	0.0002 (ppm)	36.2101
5/10/2019 14:37:22	PBT-336346	Fe (234.350 nm)	13.40	0.0054 (ppm)	128.6824
5/10/2019 14:37:22	PBT-336346	K (766.491 nm)	1.99	0.3400 (ppm)	1150.5318
5/10/2019 14:37:22	PBT-336346	Mg (279.078 nm)	> 100.00	0.0032 u (ppm)	41.3553
5/10/2019 14:37:22	PBT-336346	Mn (257.610 nm)	50.07	0.0001 (ppm)	67.3185
5/10/2019 14:37:22	PBT-336346	Mo (202.032 nm)	23.14	0.0013 (ppm)	8.7067
5/10/2019 14:37:22	PBT-336346	Na (588.995 nm)	1.93	0.0802 (ppm)	-5766.3584
5/10/2019 14:37:22	PBT-336346	Ni (230.299 nm)	21.18	-0.0006 u (ppm)	-17.9733
5/10/2019 14:37:22	PBT-336346	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	-0.7537
5/10/2019 14:37:22	PBT-336346	Sb (217.582 nm)	62.63	0.0029 (ppm)	0.2038

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:37:22	PBT-336346	Se (196.026 nm)	58.63	0.0023 (ppm)	0.6220
5/10/2019 14:37:22	PBT-336346	Sn (189.925 nm)	70.40	0.0018 (ppm)	0.3812
5/10/2019 14:37:22	PBT-336346	Sr (216.596 nm)	38.30	0.0004 (ppm)	2.6578
5/10/2019 14:37:22	PBT-336346	Ti (336.122 nm)	4.32	0.0015 (ppm)	254.7343
5/10/2019 14:37:22	PBT-336346	Tl (351.923 nm)	46.32	-0.0039 u (ppm)	-11.8555
5/10/2019 14:37:22	PBT-336346	V (292.401 nm)	53.70	0.0001 (ppm)	50.5341
5/10/2019 14:37:22	PBT-336346	Y (360.074 nm)	0.75	1.01 (Ratio)	1145930.94
5/10/2019 14:37:22	PBT-336346	Y_R (360.074 nm)	0.75	1.01 (Ratio)	1146236.81
5/10/2019 14:37:22	PBT-336346	Zn (213.857 nm)	0.92	0.0058 (ppm)	174.9162
5/10/2019 14:40:42	RQ1904325-01	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-57.7290
5/10/2019 14:40:42	RQ1904325-01	Al (394.401 nm)	26.27	0.0171 (ppm)	641.4609
5/10/2019 14:40:42	RQ1904325-01	As (188.980 nm)	47.63	0.0043 (ppm)	2.7428
5/10/2019 14:40:42	RQ1904325-01	B (249.772 nm)	0.70	0.0275 (ppm)	1126.1775
5/10/2019 14:40:42	RQ1904325-01	Ba (230.424 nm)	7.50	0.0046 (ppm)	226.4290
5/10/2019 14:40:42	RQ1904325-01	Be (313.107 nm)	12.16	0.0000 u (ppm)	-321.2017
5/10/2019 14:40:42	RQ1904325-01	Ca (227.547 nm)	25.81	0.2356 (ppm)	14.7688
5/10/2019 14:40:42	RQ1904325-01	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.1271
5/10/2019 14:40:42	RQ1904325-01	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-1.8013
5/10/2019 14:40:42	RQ1904325-01	Cr (267.716 nm)	43.38	0.0004 (ppm)	27.0842
5/10/2019 14:40:42	RQ1904325-01	Cu (327.395 nm)	4.82	0.0029 (ppm)	200.9339
5/10/2019 14:40:42	RQ1904325-01	Fe (234.350 nm)	20.98	0.0086 (ppm)	161.5117
5/10/2019 14:40:42	RQ1904325-01	K (766.491 nm)	0.49	0.6841 (ppm)	2286.9063
5/10/2019 14:40:42	RQ1904325-01	Mg (279.078 nm)	8.09	0.0448 (ppm)	130.4904
5/10/2019 14:40:42	RQ1904325-01	Mn (257.610 nm)	6.85	0.0002 (ppm)	118.7665
5/10/2019 14:40:42	RQ1904325-01	Mo (202.032 nm)	39.05	0.0005 (ppm)	4.2010
5/10/2019 14:40:42	RQ1904325-01	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 14:40:42	RQ1904325-01	Ni (230.299 nm)	4.85	0.0089 (ppm)	72.7462
5/10/2019 14:40:42	RQ1904325-01	Pb (220.353 nm)	90.48	0.0003 (ppm)	1.2625
5/10/2019 14:40:42	RQ1904325-01	Sb (217.582 nm)	81.97	0.0037 (ppm)	1.0589
5/10/2019 14:40:42	RQ1904325-01	Se (196.026 nm)	> 100.00	-0.0003 u (ppm)	-0.5165
5/10/2019 14:40:42	RQ1904325-01	Sn (189.925 nm)	97.90	0.0027 (ppm)	0.9490
5/10/2019 14:40:42	RQ1904325-01	Sr (216.596 nm)	45.15	0.0005 (ppm)	3.9602
5/10/2019 14:40:42	RQ1904325-01	Ti (336.122 nm)	4.50	0.0012 (ppm)	180.6923
5/10/2019 14:40:42	RQ1904325-01	Tl (351.923 nm)	> 100.00	-0.0006 u (ppm)	-2.7186
5/10/2019 14:40:42	RQ1904325-01	V (292.401 nm)	52.25	0.0003 (ppm)	57.3407
5/10/2019 14:40:42	RQ1904325-01	Y (360.074 nm)	0.93	0.84 (Ratio)	953678.92
5/10/2019 14:40:42	RQ1904325-01	Y_R (360.074 nm)	0.93	0.84 (Ratio)	953477.86
5/10/2019 14:40:42	RQ1904325-01	Zn (213.857 nm)	0.84	0.0108 (ppm)	330.4717
5/10/2019 14:44:01	LCST-336346	Ag (328.068 nm)	0.20	0.2551 (ppm)	16381.6285
5/10/2019 14:44:01	LCST-336346	Al (394.401 nm)	> 100.00	0.0004 u (ppm)	372.7779
5/10/2019 14:44:01	LCST-336346	As (188.980 nm)	0.15	1.0078 (ppm)	608.3875
5/10/2019 14:44:01	LCST-336346	B (249.772 nm)	84.82	0.0002 (ppm)	108.1997
5/10/2019 14:44:01	LCST-336346	Ba (230.424 nm)	0.92	2.1190 (ppm)	95914.6703
5/10/2019 14:44:01	LCST-336346	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-286.3061
5/10/2019 14:44:01	LCST-336346	Ca (227.547 nm)	12.88	0.0589 (ppm)	4.6739
5/10/2019 14:44:01	LCST-336346	Cd (214.439 nm)	0.22	0.5155 (ppm)	10204.7271
5/10/2019 14:44:01	LCST-336346	Co (230.786 nm)	14.68	-0.0010 u (ppm)	-14.3984
5/10/2019 14:44:01	LCST-336346	Cr (267.716 nm)	0.28	0.5165 (ppm)	20153.0393
5/10/2019 14:44:01	LCST-336346	Cu (327.395 nm)	0.16	0.9985 (ppm)	60553.9780
5/10/2019 14:44:01	LCST-336346	Fe (234.350 nm)	9.23	0.0097 (ppm)	173.4663
5/10/2019 14:44:01	LCST-336346	K (766.491 nm)	0.41	0.2774 (ppm)	943.8519

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:44:01	LCST-336346	Mg (279.078 nm)	> 100.00	0.0007 u (ppm)	35.9755
5/10/2019 14:44:01	LCST-336346	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	46.3868
5/10/2019 14:44:01	LCST-336346	Mo (202.032 nm)	> 100.00	0.0004 u (ppm)	4.1305
5/10/2019 14:44:01	LCST-336346	Na (588.995 nm)	5.72	0.3189 (ppm)	4201.8329
5/10/2019 14:44:01	LCST-336346	Ni (230.299 nm)	0.74	1.0395 (ppm)	9886.1519
5/10/2019 14:44:01	LCST-336346	Pb (220.353 nm)	0.38	0.5310 (ppm)	1447.2215
5/10/2019 14:44:01	LCST-336346	Sb (217.582 nm)	64.97	0.0061 (ppm)	3.6168
5/10/2019 14:44:01	LCST-336346	Se (196.026 nm)	1.25	1.0087 (ppm)	443.0731
5/10/2019 14:44:01	LCST-336346	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0653
5/10/2019 14:44:01	LCST-336346	Sr (216.596 nm)	35.29	0.0009 (ppm)	7.5656
5/10/2019 14:44:01	LCST-336346	Tl (336.122 nm)	3.43	0.0011 (ppm)	144.9257
5/10/2019 14:44:01	LCST-336346	Tl (351.923 nm)	> 100.00	-0.0009 u (ppm)	-3.4863
5/10/2019 14:44:01	LCST-336346	V (292.401 nm)	82.72	-0.0002 u (ppm)	41.7364
5/10/2019 14:44:01	LCST-336346	Y (360.074 nm)	0.73	1.02 (Ratio)	1163609.62
5/10/2019 14:44:01	LCST-336346	Y_R (360.074 nm)	0.73	1.02 (Ratio)	1163891.82
5/10/2019 14:44:01	LCST-336346	Zn (213.857 nm)	0.32	0.9899 (ppm)	31172.7815
5/10/2019 14:47:21	R1903839-002	Ag (328.068 nm)	81.70	-0.0002 u (ppm)	-70.5158
5/10/2019 14:47:21	R1903839-002	Al (394.401 nm)	0.54	2.0318 (ppm)	33132.7160
5/10/2019 14:47:21	R1903839-002	As (188.980 nm)	10.60	0.0075 (ppm)	4.6723
5/10/2019 14:47:21	R1903839-002	B (249.772 nm)	0.18	0.5112 (ppm)	19155.3953
5/10/2019 14:47:21	R1903839-002	Ba (230.424 nm)	0.92	0.4262 (ppm)	19306.9259
5/10/2019 14:47:21	R1903839-002	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-310.3382
5/10/2019 14:47:21	R1903839-002	Ca (227.547 nm)	0.50	159.9640 o (ppm)	9142.0843
5/10/2019 14:47:21	R1903839-002	Cd (214.439 nm)	24.87	0.0005 (ppm)	18.9360
5/10/2019 14:47:21	R1903839-002	Co (230.786 nm)	10.34	0.0037 (ppm)	41.7041
5/10/2019 14:47:21	R1903839-002	Cr (267.716 nm)	8.62	0.0017 (ppm)	77.5092
5/10/2019 14:47:21	R1903839-002	Cu (327.395 nm)	0.50	0.2594 (ppm)	15751.1088
5/10/2019 14:47:21	R1903839-002	Fe (234.350 nm)	0.37	0.5926 (ppm)	6193.6395
5/10/2019 14:47:21	R1903839-002	K (766.491 nm)	0.46	10.5220 (ppm)	34776.3075
5/10/2019 14:47:21	R1903839-002	Mg (279.078 nm)	0.10	10.7181 (ppm)	23000.6536
5/10/2019 14:47:21	R1903839-002	Mn (257.610 nm)	0.07	3.0564 o (ppm)	916978.2298
5/10/2019 14:47:21	R1903839-002	Mo (202.032 nm)	39.30	0.0012 (ppm)	8.0339
5/10/2019 14:47:21	R1903839-002	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 14:47:21	R1903839-002	Ni (230.299 nm)	4.57	0.0155 (ppm)	135.8918
5/10/2019 14:47:21	R1903839-002	Pb (220.353 nm)	66.75	0.0011 (ppm)	3.3007
5/10/2019 14:47:21	R1903839-002	Sb (217.582 nm)	13.55	0.0107 (ppm)	8.5421
5/10/2019 14:47:21	R1903839-002	Se (196.026 nm)	> 100.00	-0.0003 u (ppm)	-0.5490
5/10/2019 14:47:21	R1903839-002	Sn (189.925 nm)	99.68	0.0030 u (ppm)	1.1934
5/10/2019 14:47:21	R1903839-002	Sr (216.596 nm)	0.43	0.4477 (ppm)	4315.1790
5/10/2019 14:47:21	R1903839-002	Tl (336.122 nm)	2.99	0.0072 (ppm)	1593.5625
5/10/2019 14:47:21	R1903839-002	Tl (351.923 nm)	38.48	0.0062 (ppm)	16.3515
5/10/2019 14:47:21	R1903839-002	V (292.401 nm)	8.14	0.0033 (ppm)	148.5330
5/10/2019 14:47:21	R1903839-002	Y (360.074 nm)	0.68	0.83 (Ratio)	948972.57
5/10/2019 14:47:21	R1903839-002	Y_R (360.074 nm)	0.68	0.83 (Ratio)	948655.89
5/10/2019 14:47:21	R1903839-002	Zn (213.857 nm)	1.22	0.9646 (ppm)	30375.9539
5/10/2019 14:50:41	R1903897-001	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-54.8312
5/10/2019 14:50:41	R1903897-001	Al (394.401 nm)	5.58	0.0614 (ppm)	1356.6079
5/10/2019 14:50:41	R1903897-001	As (188.980 nm)	> 100.00	-0.0015 u (ppm)	-0.7728
5/10/2019 14:50:41	R1903897-001	B (249.772 nm)	0.08	0.1720 (ppm)	6512.7555
5/10/2019 14:50:41	R1903897-001	Ba (230.424 nm)	0.45	0.1509 (ppm)	6846.3158
5/10/2019 14:50:41	R1903897-001	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-299.4121

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:50:41	R1903897-001	Ca (227.547 nm)	0.37	737.0224 o (ppm)	42116.7839
5/10/2019 14:50:41	R1903897-001	Cd (214.439 nm)	47.04	-0.0001 u (ppm)	6.5729
5/10/2019 14:50:41	R1903897-001	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-1.8170
5/10/2019 14:50:41	R1903897-001	Cr (267.716 nm)	4.41	0.0051 (ppm)	210.7051
5/10/2019 14:50:41	R1903897-001	Cu (327.395 nm)	6.16	0.0053 (ppm)	347.1169
5/10/2019 14:50:41	R1903897-001	Fe (234.350 nm)	5.33	0.0164 (ppm)	242.1659
5/10/2019 14:50:41	R1903897-001	K (766.491 nm)	0.82	23.8145 (ppm)	78674.5008
5/10/2019 14:50:41	R1903897-001	Mg (279.078 nm)	0.22	10.9293 (ppm)	23453.1558
5/10/2019 14:50:41	R1903897-001	Mn (257.610 nm)	3.58	0.0019 (ppm)	610.3318
5/10/2019 14:50:41	R1903897-001	Mo (202.032 nm)	4.93	0.0069 (ppm)	38.7441
5/10/2019 14:50:41	R1903897-001	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 14:50:41	R1903897-001	Ni (230.299 nm)	3.86	-0.0370 u (ppm)	-364.3312
5/10/2019 14:50:41	R1903897-001	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	1.0102
5/10/2019 14:50:41	R1903897-001	Sb (217.582 nm)	80.77	0.0032 (ppm)	0.5270
5/10/2019 14:50:41	R1903897-001	Se (196.026 nm)	27.30	-0.0109 u (ppm)	-5.1899
5/10/2019 14:50:41	R1903897-001	Sn (189.925 nm)	37.80	0.0052 (ppm)	2.6755
5/10/2019 14:50:41	R1903897-001	Sr (216.596 nm)	0.56	1.1894 (ppm)	11466.1539
5/10/2019 14:50:41	R1903897-001	Ti (336.122 nm)	1.85	0.0053 (ppm)	1139.2927
5/10/2019 14:50:41	R1903897-001	Ti (351.923 nm)	7.07	0.0212 (ppm)	58.4912
5/10/2019 14:50:41	R1903897-001	V (292.401 nm)	1.92	0.0114 (ppm)	392.0941
5/10/2019 14:50:41	R1903897-001	Y (360.074 nm)	0.60	0.81 (Ratio)	918696.44
5/10/2019 14:50:41	R1903897-001	Y_R (360.074 nm)	0.60	0.81 (Ratio)	918359.56
5/10/2019 14:50:41	R1903897-001	Zn (213.857 nm)	2.32	0.0047 (ppm)	140.9223
5/10/2019 14:54:01	R1903934-001	Ag (328.068 nm)	8.70	-0.0006 u (ppm)	-98.2632
5/10/2019 14:54:01	R1903934-001	Al (394.401 nm)	0.43	0.2495 (ppm)	4390.7875
5/10/2019 14:54:01	R1903934-001	As (188.980 nm)	> 100.00	0.0000 u (ppm)	0.1311
5/10/2019 14:54:01	R1903934-001	B (249.772 nm)	0.31	0.4511 (ppm)	16915.3532
5/10/2019 14:54:01	R1903934-001	Ba (230.424 nm)	1.15	0.0561 (ppm)	2558.1165
5/10/2019 14:54:01	R1903934-001	Be (313.107 nm)	35.50	0.0000 u (ppm)	-347.3563
5/10/2019 14:54:01	R1903934-001	Ca (227.547 nm)	0.83	-11.6047 u (ppm)	-661.8188
5/10/2019 14:54:01	R1903934-001	Cd (214.439 nm)	2.09	0.0152 (ppm)	308.7663
5/10/2019 14:54:01	R1903934-001	Co (230.786 nm)	18.91	0.0077 (ppm)	89.4991
5/10/2019 14:54:01	R1903934-001	Cr (267.716 nm)	0.07	0.3992 (ppm)	15577.0813
5/10/2019 14:54:01	R1903934-001	Cu (327.395 nm)	2.12	0.0075 (ppm)	478.0347
5/10/2019 14:54:01	R1903934-001	Fe (234.350 nm)	0.55	589.6797 o (ppm)	6090357.8862
5/10/2019 14:54:01	R1903934-001	K (766.491 nm)	0.38	43.9202 (ppm)	145073.0838
5/10/2019 14:54:01	R1903934-001	Mg (279.078 nm)	0.27	1.4804 (ppm)	3206.7038
5/10/2019 14:54:01	R1903934-001	Mn (257.610 nm)	0.04	5.9921 o (ppm)	1797681.7947
5/10/2019 14:54:01	R1903934-001	Mo (202.032 nm)	3.69	0.0144 (ppm)	78.9415
5/10/2019 14:54:01	R1903934-001	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 14:54:01	R1903934-001	Ni (230.299 nm)	1.24	0.1443 (ppm)	1361.7280
5/10/2019 14:54:01	R1903934-001	Pb (220.353 nm)	34.64	0.0063 (ppm)	17.5407
5/10/2019 14:54:01	R1903934-001	Sb (217.582 nm)	20.05	-0.0286 u (ppm)	-33.7280
5/10/2019 14:54:01	R1903934-001	Se (196.026 nm)	32.11	0.0141 (ppm)	5.8096
5/10/2019 14:54:01	R1903934-001	Sn (189.925 nm)	71.78	0.0111 (ppm)	6.7464
5/10/2019 14:54:01	R1903934-001	Sr (216.596 nm)	0.87	0.1167 (ppm)	1123.8519
5/10/2019 14:54:01	R1903934-001	Ti (336.122 nm)	4.64	0.0445 (ppm)	10374.8106
5/10/2019 14:54:01	R1903934-001	Ti (351.923 nm)	4.06	-0.0472 u (ppm)	-133.1413
5/10/2019 14:54:01	R1903934-001	V (292.401 nm)	0.86	0.0384 (ppm)	1201.5878
5/10/2019 14:54:01	R1903934-001	Y (360.074 nm)	0.70	0.83 (Ratio)	941729.99
5/10/2019 14:54:01	R1903934-001	Y_R (360.074 nm)	0.70	0.83 (Ratio)	941375.87

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 14:54:01	R1903934-001	Zn (213.857 nm)	0.15	0.5165 (ppm)	16260.3304
5/10/2019 14:57:21	R1903934-001S	Ag (328.068 nm)	0.21	0.2727 (ppm)	17514.2352
5/10/2019 14:57:21	R1903934-001S	Al (394.401 nm)	1.19	0.2503 (ppm)	4403.6920
5/10/2019 14:57:21	R1903934-001S	As (188.980 nm)	0.98	1.1079 (ppm)	668.7726
5/10/2019 14:57:21	R1903934-001S	B (249.772 nm)	0.59	0.4486 (ppm)	16822.1794
5/10/2019 14:57:21	R1903934-001S	Ba (230.424 nm)	0.31	2.1018 (ppm)	95134.9567
5/10/2019 14:57:21	R1903934-001S	Be (313.107 nm)	10.52	0.0000 u (ppm)	-334.4710
5/10/2019 14:57:21	R1903934-001S	Ca (227.547 nm)	0.26	-11.5488 u (ppm)	-658.6236
5/10/2019 14:57:21	R1903934-001S	Cd (214.439 nm)	0.40	0.5181 (ppm)	10254.8387
5/10/2019 14:57:21	R1903934-001S	Co (230.786 nm)	14.37	0.0047 (ppm)	54.0214
5/10/2019 14:57:21	R1903934-001S	Cr (267.716 nm)	0.42	0.8955 (ppm)	34930.4912
5/10/2019 14:57:21	R1903934-001S	Cu (327.395 nm)	0.13	1.0950 (ppm)	66403.3539
5/10/2019 14:57:21	R1903934-001S	Fe (234.350 nm)	0.38	590.4576 o (ppm)	6098391.7138
5/10/2019 14:57:21	R1903934-001S	K (766.491 nm)	0.30	43.7198 (ppm)	144411.0580
5/10/2019 14:57:21	R1903934-001S	Mg (279.078 nm)	0.63	1.4700 (ppm)	3184.3692
5/10/2019 14:57:21	R1903934-001S	Mn (257.610 nm)	0.38	5.9911 o (ppm)	1797390.1315
5/10/2019 14:57:21	R1903934-001S	Mo (202.032 nm)	6.29	0.0147 (ppm)	80.7464
5/10/2019 14:57:21	R1903934-001S	Na (588.995 nm)	N/A	### (ppm)	###
5/10/2019 14:57:21	R1903934-001S	Ni (230.299 nm)	1.03	1.0898 (ppm)	10364.3867
5/10/2019 14:57:21	R1903934-001S	Pb (220.353 nm)	0.37	0.4859 (ppm)	1324.3930
5/10/2019 14:57:21	R1903934-001S	Sb (217.582 nm)	13.19	-0.0295 u (ppm)	-34.7289
5/10/2019 14:57:21	R1903934-001S	Se (196.026 nm)	0.45	1.1566 o (ppm)	508.1256
5/10/2019 14:57:21	R1903934-001S	Sn (189.925 nm)	35.56	0.0120 (ppm)	7.3160
5/10/2019 14:57:21	R1903934-001S	Sr (216.596 nm)	0.55	0.1164 (ppm)	1121.0548
5/10/2019 14:57:21	R1903934-001S	Ti (336.122 nm)	4.13	0.0429 (ppm)	9986.6220
5/10/2019 14:57:21	R1903934-001S	Tl (351.923 nm)	5.25	-0.0496 u (ppm)	-139.8137
5/10/2019 14:57:21	R1903934-001S	V (292.401 nm)	1.16	0.0381 (ppm)	1193.7819
5/10/2019 14:57:21	R1903934-001S	Y (360.074 nm)	0.33	0.83 (Ratio)	940205.24
5/10/2019 14:57:21	R1903934-001S	Y_R (360.074 nm)	0.33	0.83 (Ratio)	939865.16
5/10/2019 14:57:21	R1903934-001S	Zn (213.857 nm)	0.43	1.5671 (ppm)	49351.2963
5/10/2019 15:00:41	R1903934-001SD	Ag (328.068 nm)	0.16	0.2743 (ppm)	17615.9876
5/10/2019 15:00:41	R1903934-001SD	Al (394.401 nm)	0.17	0.2430 (ppm)	4284.6405
5/10/2019 15:00:41	R1903934-001SD	As (188.980 nm)	0.67	1.1147 (ppm)	672.8788
5/10/2019 15:00:41	R1903934-001SD	B (249.772 nm)	0.22	0.4359 (ppm)	16348.8913
5/10/2019 15:00:41	R1903934-001SD	Ba (230.424 nm)	0.44	2.0877 (ppm)	94496.9269
5/10/2019 15:00:41	R1903934-001SD	Be (313.107 nm)	22.73	0.0000 u (ppm)	-342.2205
5/10/2019 15:00:41	R1903934-001SD	Ca (227.547 nm)	1.20	-11.3825 u (ppm)	-649.1188
5/10/2019 15:00:41	R1903934-001SD	Cd (214.439 nm)	0.09	0.5150 (ppm)	10194.6293
5/10/2019 15:00:41	R1903934-001SD	Co (230.786 nm)	17.53	0.0045 (ppm)	50.7544
5/10/2019 15:00:41	R1903934-001SD	Cr (267.716 nm)	0.04	0.8828 (ppm)	34435.9533
5/10/2019 15:00:41	R1903934-001SD	Cu (327.395 nm)	0.15	1.0920 (ppm)	66224.4965
5/10/2019 15:00:41	R1903934-001SD	Fe (234.350 nm)	0.30	578.3002 o (ppm)	5972828.4769
5/10/2019 15:00:41	R1903934-001SD	K (766.491 nm)	0.70	42.7511 (ppm)	141211.9977
5/10/2019 15:00:41	R1903934-001SD	Mg (279.078 nm)	0.22	1.4374 (ppm)	3114.6120
5/10/2019 15:00:41	R1903934-001SD	Mn (257.610 nm)	0.26	5.8298 o (ppm)	1749000.3831
5/10/2019 15:00:41	R1903934-001SD	Mo (202.032 nm)	3.38	0.0142 (ppm)	78.0184
5/10/2019 15:00:41	R1903934-001SD	Na (588.995 nm)	N/A	### (ppm)	###
5/10/2019 15:00:41	R1903934-001SD	Ni (230.299 nm)	0.30	1.0863 (ppm)	10331.7144
5/10/2019 15:00:41	R1903934-001SD	Pb (220.353 nm)	0.56	0.4845 (ppm)	1320.5601
5/10/2019 15:00:41	R1903934-001SD	Sb (217.582 nm)	4.12	-0.0259 u (ppm)	-30.8175
5/10/2019 15:00:41	R1903934-001SD	Se (196.026 nm)	1.00	1.1627 o (ppm)	510.7713

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	i Intensity
5/10/2019 15:00:41	R1903934-001SD	Sn (189.925 nm)	15.23	0.0110 (ppm)	6.6422
5/10/2019 15:00:41	R1903934-001SD	Sr (216.596 nm)	0.82	0.1130 (ppm)	1088.8728
5/10/2019 15:00:41	R1903934-001SD	Ti (336.122 nm)	3.69	0.0397 (ppm)	9227.2608
5/10/2019 15:00:41	R1903934-001SD	Tl (351.923 nm)	7.72	-0.0481 u (ppm)	-135.8593
5/10/2019 15:00:41	R1903934-001SD	V (292.401 nm)	1.00	0.0370 (ppm)	1160.7199
5/10/2019 15:00:41	R1903934-001SD	Y (360.074 nm)	0.76	0.83 (Ratio)	944993.08
5/10/2019 15:00:41	R1903934-001SD	Y_R (360.074 nm)	0.76	0.83 (Ratio)	944693.34
5/10/2019 15:00:41	R1903934-001SD	Zn (213.857 nm)	0.10	1.5493 (ppm)	48791.8739
5/10/2019 15:04:00	R1903934-001A	Ag (328.068 nm)	0.28	0.2537 (ppm)	16292.4362
5/10/2019 15:04:00	R1903934-001A	Al (394.401 nm)	0.52	0.2442 (ppm)	4303.8529
5/10/2019 15:04:00	R1903934-001A	As (188.980 nm)	1.43	1.0307 (ppm)	622.1962
5/10/2019 15:04:00	R1903934-001A	B (249.772 nm)	0.29	0.4375 (ppm)	16409.8454
5/10/2019 15:04:00	R1903934-001A	Ba (230.424 nm)	0.44	1.9223 (ppm)	87011.2023
5/10/2019 15:04:00	R1903934-001A	Be (313.107 nm)	10.82	-0.0001 u (ppm)	-357.8932
5/10/2019 15:04:00	R1903934-001A	Ca (227.547 nm)	0.06	-11.4056 u (ppm)	-650.4416
5/10/2019 15:04:00	R1903934-001A	Cd (214.439 nm)	0.34	0.4749 (ppm)	9401.3488
5/10/2019 15:04:00	R1903934-001A	Co (230.786 nm)	5.83	0.0054 (ppm)	62.3863
5/10/2019 15:04:00	R1903934-001A	Cr (267.716 nm)	0.18	0.8433 (ppm)	32893.7459
5/10/2019 15:04:00	R1903934-001A	Cu (327.395 nm)	0.23	1.0051 (ppm)	60955.3840
5/10/2019 15:04:00	R1903934-001A	Fe (234.350 nm)	0.40	579.4076 o (ppm)	5984265.9818
5/10/2019 15:04:00	R1903934-001A	K (766.491 nm)	0.08	42.9370 (ppm)	141825.9225
5/10/2019 15:04:00	R1903934-001A	Mg (279.078 nm)	0.13	1.4413 (ppm)	3122.7611
5/10/2019 15:04:00	R1903934-001A	Mn (257.610 nm)	0.22	5.8367 o (ppm)	1751053.6951
5/10/2019 15:04:00	R1903934-001A	Mo (202.032 nm)	5.61	0.0134 (ppm)	73.9420
5/10/2019 15:04:00	R1903934-001A	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 15:04:00	R1903934-001A	Ni (230.299 nm)	0.33	1.0054 (ppm)	9561.3202
5/10/2019 15:04:00	R1903934-001A	Pb (220.353 nm)	0.27	0.4449 (ppm)	1212.6644
5/10/2019 15:04:00	R1903934-001A	Sb (217.582 nm)	15.11	-0.0315 u (ppm)	-36.8733
5/10/2019 15:04:00	R1903934-001A	Se (196.026 nm)	0.39	1.0780 (ppm)	473.5689
5/10/2019 15:04:00	R1903934-001A	Sn (189.925 nm)	32.65	0.0118 (ppm)	7.2014
5/10/2019 15:04:00	R1903934-001A	Sr (216.596 nm)	0.79	0.1134 (ppm)	1092.3102
5/10/2019 15:04:00	R1903934-001A	Ti (336.122 nm)	3.72	0.0460 (ppm)	10727.1256
5/10/2019 15:04:00	R1903934-001A	Tl (351.923 nm)	7.77	-0.0469 u (ppm)	-132.4131
5/10/2019 15:04:00	R1903934-001A	V (292.401 nm)	0.63	0.0375 (ppm)	1174.7890
5/10/2019 15:04:00	R1903934-001A	Y (360.074 nm)	0.64	0.83 (Ratio)	945625.25
5/10/2019 15:04:00	R1903934-001A	Y_R (360.074 nm)	0.64	0.83 (Ratio)	945271.25
5/10/2019 15:04:00	R1903934-001A	Zn (213.857 nm)	0.33	1.4676 (ppm)	46218.2881
5/10/2019 15:07:20	R1903934-001L	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-65.8990
5/10/2019 15:07:20	R1903934-001L	Al (394.401 nm)	2.25	0.0395 (ppm)	1003.4545
5/10/2019 15:07:20	R1903934-001L	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	0.0886
5/10/2019 15:07:20	R1903934-001L	B (249.772 nm)	0.61	0.0896 (ppm)	3442.3854
5/10/2019 15:07:20	R1903934-001L	Ba (230.424 nm)	1.37	0.0111 (ppm)	522.3938
5/10/2019 15:07:20	R1903934-001L	Be (313.107 nm)	8.84	0.0000 u (ppm)	-335.3769
5/10/2019 15:07:20	R1903934-001L	Ca (227.547 nm)	1.48	-2.1487 u (ppm)	-121.4740
5/10/2019 15:07:20	R1903934-001L	Cd (214.439 nm)	7.72	0.0030 (ppm)	68.5158
5/10/2019 15:07:20	R1903934-001L	Co (230.786 nm)	20.63	0.0010 (ppm)	9.0372
5/10/2019 15:07:20	R1903934-001L	Cr (267.716 nm)	0.11	0.0799 (ppm)	3127.8294
5/10/2019 15:07:20	R1903934-001L	Cu (327.395 nm)	9.21	0.0013 (ppm)	102.4453
5/10/2019 15:07:20	R1903934-001L	Fe (234.350 nm)	0.30	152.3489 o (ppm)	1573551.4005
5/10/2019 15:07:20	R1903934-001L	K (766.491 nm)	0.33	7.4416 (ppm)	24603.3150
5/10/2019 15:07:20	R1903934-001L	Mg (279.078 nm)	0.82	0.2969 (ppm)	670.8294

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:07:20	R1903934-001L	Mn (257.610 nm)	0.30	1.2173 (ppm)	365228.3988
5/10/2019 15:07:20	R1903934-001L	Mo (202.032 nm)	5.58	0.0027 (ppm)	16.4294
5/10/2019 15:07:20	R1903934-001L	Na (588.995 nm)	0.14	242.0600 o (ppm)	10100718.8239
5/10/2019 15:07:20	R1903934-001L	Ni (230.299 nm)	1.51	0.0298 (ppm)	271.3500
5/10/2019 15:07:20	R1903934-001L	Pb (220.353 nm)	18.18	0.0030 (ppm)	8.5780
5/10/2019 15:07:20	R1903934-001L	Sb (217.582 nm)	41.15	-0.0042 u (ppm)	-7.4192
5/10/2019 15:07:20	R1903934-001L	Se (196.026 nm)	7.87	0.0101 (ppm)	4.0289
5/10/2019 15:07:20	R1903934-001L	Sn (189.925 nm)	27.82	0.0044 (ppm)	2.1088
5/10/2019 15:07:20	R1903934-001L	Sr (216.596 nm)	0.63	0.0231 (ppm)	222.0426
5/10/2019 15:07:20	R1903934-001L	Ti (336.122 nm)	1.85	0.0084 (ppm)	1865.3437
5/10/2019 15:07:20	R1903934-001L	Tl (351.923 nm)	17.71	-0.0106 u (ppm)	-30.6702
5/10/2019 15:07:20	R1903934-001L	V (292.401 nm)	0.63	0.0073 (ppm)	266.2453
5/10/2019 15:07:20	R1903934-001L	Y (360.074 nm)	0.32	0.93 (Ratio)	1057138.48
5/10/2019 15:07:20	R1903934-001L	Y_R (360.074 nm)	0.31	0.93 (Ratio)	1056958.80
5/10/2019 15:07:20	R1903934-001L	Zn (213.857 nm)	0.40	0.0994 (ppm)	3122.4023
5/10/2019 15:10:40	R1903955-001	Ag (328.068 nm)	18.64	-0.0007 u (ppm)	-106.2348
5/10/2019 15:10:40	R1903955-001	Al (394.401 nm)	2.98	0.0699 (ppm)	1493.8297
5/10/2019 15:10:40	R1903955-001	As (188.980 nm)	80.62	0.0035 (ppm)	2.2504
5/10/2019 15:10:40	R1903955-001	B (249.772 nm)	0.33	0.0928 (ppm)	3561.3743
5/10/2019 15:10:40	R1903955-001	Ba (230.424 nm)	0.37	0.5759 (ppm)	26083.1611
5/10/2019 15:10:40	R1903955-001	Be (313.107 nm)	18.87	0.0000 (ppm)	-242.5014
5/10/2019 15:10:40	R1903955-001	Ca (227.547 nm)	0.21	594.3101 o (ppm)	33961.8127
5/10/2019 15:10:40	R1903955-001	Cd (214.439 nm)	2.18	0.0033 (ppm)	73.5041
5/10/2019 15:10:40	R1903955-001	Co (230.786 nm)	2.11	0.0272 (ppm)	320.6050
5/10/2019 15:10:40	R1903955-001	Cr (267.716 nm)	1.63	-0.0031 u (ppm)	-108.0994
5/10/2019 15:10:40	R1903955-001	Cu (327.395 nm)	3.17	0.0028 (ppm)	193.6866
5/10/2019 15:10:40	R1903955-001	Fe (234.350 nm)	7.80	0.2487 (ppm)	2641.2926
5/10/2019 15:10:40	R1903955-001	K (766.491 nm)	0.18	3.9605 (ppm)	13107.1540
5/10/2019 15:10:40	R1903955-001	Mg (279.078 nm)	0.18	20.5671 (ppm)	44104.3282
5/10/2019 15:10:40	R1903955-001	Mn (257.610 nm)	0.04	8.0704 o (ppm)	2421182.0563
5/10/2019 15:10:40	R1903955-001	Mo (202.032 nm)	39.54	0.0006 (ppm)	4.8620
5/10/2019 15:10:40	R1903955-001	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 15:10:40	R1903955-001	Ni (230.299 nm)	3.19	0.0145 (ppm)	125.7328
5/10/2019 15:10:40	R1903955-001	Pb (220.353 nm)	1.84	0.0378 (ppm)	103.5463
5/10/2019 15:10:40	R1903955-001	Sb (217.582 nm)	> 100.00	0.0033 u (ppm)	0.6453
5/10/2019 15:10:40	R1903955-001	Se (196.026 nm)	> 100.00	0.0045 u (ppm)	1.5799
5/10/2019 15:10:40	R1903955-001	Sn (189.925 nm)	> 100.00	0.0031 u (ppm)	1.2202
5/10/2019 15:10:40	R1903955-001	Sr (216.596 nm)	0.24	0.7263 (ppm)	7001.3201
5/10/2019 15:10:40	R1903955-001	Ti (336.122 nm)	5.00	0.0042 (ppm)	888.7016
5/10/2019 15:10:40	R1903955-001	Tl (351.923 nm)	28.23	0.0183 (ppm)	50.2875
5/10/2019 15:10:40	R1903955-001	V (292.401 nm)	36.30	-0.0006 u (ppm)	30.3359
5/10/2019 15:10:40	R1903955-001	Y (360.074 nm)	0.76	0.82 (Ratio)	930398.52
5/10/2019 15:10:40	R1903955-001	Y_R (360.074 nm)	0.76	0.82 (Ratio)	930084.52
5/10/2019 15:10:40	R1903955-001	Zn (213.857 nm)	0.92	0.4472 (ppm)	14076.5983
5/10/2019 15:14:00	Continuing Calibration Verification	Ag (328.068 nm)	0.30	0.4896 (ppm)	31492.0511
5/10/2019 15:14:00	Continuing Calibration Verification	Al (394.401 nm)	0.04	9.5198 (ppm)	153889.4619
5/10/2019 15:14:00	Continuing Calibration Verification	As (188.980 nm)	0.28	0.9660 (ppm)	583.1500
5/10/2019 15:14:00	Continuing Calibration Verification	B (249.772 nm)	0.34	2.3624 (ppm)	88160.6724
5/10/2019 15:14:00	Continuing Calibration Verification	Ba (230.424 nm)	0.43	10.1191 (ppm)	457948.8179
5/10/2019 15:14:00	Continuing Calibration Verification	Be (313.107 nm)	0.35	0.2503 (ppm)	314135.8961
5/10/2019 15:14:00	Continuing Calibration Verification	Ca (227.547 nm)	0.14	24.1425 (ppm)	1380.8727

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:14:00	Continuing Calibration Verification	Cd (214.439 nm)	0.32	0.4914 (ppm)	9727.1543
5/10/2019 15:14:00	Continuing Calibration Verification	Co (230.786 nm)	0.42	2.5563 (ppm)	30355.2037
5/10/2019 15:14:00	Continuing Calibration Verification	Cr (267.716 nm)	0.46	0.4914 (ppm)	19174.0352
5/10/2019 15:14:00	Continuing Calibration Verification	Cu (327.395 nm)	0.10	1.2040 (ppm)	73009.8207
5/10/2019 15:14:00	Continuing Calibration Verification	Fe (234.350 nm)	0.56	4.8674 (ppm)	50344.2911
5/10/2019 15:14:00	Continuing Calibration Verification	K (766.491 nm)	0.05	24.4620 (ppm)	80812.7079
5/10/2019 15:14:00	Continuing Calibration Verification	Mg (279.078 nm)	0.37	24.5826 (ppm)	52708.4336
5/10/2019 15:14:00	Continuing Calibration Verification	Mn (257.610 nm)	0.33	0.7295 (ppm)	218886.4029
5/10/2019 15:14:00	Continuing Calibration Verification	Mo (202.032 nm)	0.55	2.4384 (ppm)	13091.2177
5/10/2019 15:14:00	Continuing Calibration Verification	Na (588.995 nm)	0.29	24.4928 (ppm)	101384.78925
5/10/2019 15:14:00	Continuing Calibration Verification	Ni (230.299 nm)	0.40	1.9539 (ppm)	18592.8817
5/10/2019 15:14:00	Continuing Calibration Verification	Pb (220.353 nm)	0.40	0.4948 (ppm)	1348.7634
5/10/2019 15:14:00	Continuing Calibration Verification	Sb (217.582 nm)	0.29	4.7174 (ppm)	5074.7456
5/10/2019 15:14:00	Continuing Calibration Verification	Se (196.026 nm)	0.95	0.4852 (ppm)	212.9350
5/10/2019 15:14:00	Continuing Calibration Verification	Sn (189.925 nm)	0.47	4.8901 (ppm)	3348.3669
5/10/2019 15:14:00	Continuing Calibration Verification	Sr (216.596 nm)	0.41	2.5045 (ppm)	24143.8916
5/10/2019 15:14:00	Continuing Calibration Verification	Tl (336.122 nm)	0.34	2.4887 (ppm)	585252.1723
5/10/2019 15:14:00	Continuing Calibration Verification	Tl (351.923 nm)	0.33	1.0021 (ppm)	2807.8570
5/10/2019 15:14:00	Continuing Calibration Verification	V (292.401 nm)	0.20	2.5118 (ppm)	75548.4813
5/10/2019 15:14:00	Continuing Calibration Verification	Y (360.074 nm)	0.42	0.97 (Ratio)	1105688.64
5/10/2019 15:14:00	Continuing Calibration Verification	Y_R (360.074 nm)	0.43	0.97 (Ratio)	1105756.16
5/10/2019 15:14:00	Continuing Calibration Verification	Zn (213.857 nm)	0.34	0.9637 (ppm)	30347.1296
5/10/2019 15:17:19	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.7740
5/10/2019 15:17:19	Continuing Calibration Blank	Al (394.401 nm)	1.12	-0.0091 u (ppm)	219.2956
5/10/2019 15:17:19	Continuing Calibration Blank	As (188.980 nm)	74.67	0.0022 (ppm)	1.4640
5/10/2019 15:17:19	Continuing Calibration Blank	B (249.772 nm)	96.16	-0.0003 u (ppm)	88.4621
5/10/2019 15:17:19	Continuing Calibration Blank	Ba (230.424 nm)	17.15	0.0007 (ppm)	52.1060
5/10/2019 15:17:19	Continuing Calibration Blank	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.1615
5/10/2019 15:17:19	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0113 u (ppm)	1.9521
5/10/2019 15:17:19	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.9382
5/10/2019 15:17:19	Continuing Calibration Blank	Co (230.786 nm)	73.33	0.0002 (ppm)	0.3131
5/10/2019 15:17:19	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0001 u (ppm)	14.7594
5/10/2019 15:17:19	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	24.0085
5/10/2019 15:17:19	Continuing Calibration Blank	Fe (234.350 nm)	19.20	0.0584 (ppm)	676.3244
5/10/2019 15:17:19	Continuing Calibration Blank	K (766.491 nm)	11.18	0.0643 (ppm)	240.1964
5/10/2019 15:17:19	Continuing Calibration Blank	Mg (279.078 nm)	10.46	-0.0089 u (ppm)	15.5094
5/10/2019 15:17:19	Continuing Calibration Blank	Mn (257.610 nm)	18.88	0.0010 (ppm)	354.9745
5/10/2019 15:17:19	Continuing Calibration Blank	Mo (202.032 nm)	16.58	0.0036 (ppm)	21.2999
5/10/2019 15:17:19	Continuing Calibration Blank	Na (588.995 nm)	4.85	0.5288 (ppm)	12969.0890
5/10/2019 15:17:19	Continuing Calibration Blank	Ni (230.299 nm)	93.66	0.0002 (ppm)	-9.9916
5/10/2019 15:17:19	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0006 u (ppm)	1.9944
5/10/2019 15:17:19	Continuing Calibration Blank	Sb (217.582 nm)	62.65	0.0019 (ppm)	-0.8718
5/10/2019 15:17:19	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0034 (ppm)	1.0843
5/10/2019 15:17:19	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0032 u (ppm)	1.2736
5/10/2019 15:17:19	Continuing Calibration Blank	Sr (216.596 nm)	65.27	0.0004 (ppm)	2.6396
5/10/2019 15:17:19	Continuing Calibration Blank	Tl (336.122 nm)	25.32	0.0015 (ppm)	245.3779
5/10/2019 15:17:19	Continuing Calibration Blank	Tl (351.923 nm)	42.53	-0.0031 u (ppm)	-9.7331
5/10/2019 15:17:19	Continuing Calibration Blank	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	46.0013
5/10/2019 15:17:19	Continuing Calibration Blank	Y (360.074 nm)	0.31	1.01 (Ratio)	1150712.86
5/10/2019 15:17:19	Continuing Calibration Blank	Y_R (360.074 nm)	0.31	1.01 (Ratio)	1151138.79
5/10/2019 15:17:19	Continuing Calibration Blank	Zn (213.857 nm)	78.48	0.0002 (ppm)	-2.9261

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:20:38	Contract Required Detection Limit	Ag (328.068 nm)	1.09	0.0099 (ppm)	581.7090
5/10/2019 15:20:38	Contract Required Detection Limit	Al (394.401 nm)	0.64	0.1712 (ppm)	3126.7256
5/10/2019 15:20:38	Contract Required Detection Limit	As (188.980 nm)	3.68	0.0206 (ppm)	12.5663
5/10/2019 15:20:38	Contract Required Detection Limit	B (249.772 nm)	0.28	0.1800 (ppm)	6808.7928
5/10/2019 15:20:38	Contract Required Detection Limit	Ba (230.424 nm)	0.32	0.2103 (ppm)	9535.5465
5/10/2019 15:20:38	Contract Required Detection Limit	Be (313.107 nm)	0.46	0.0049 (ppm)	5812.1115
5/10/2019 15:20:38	Contract Required Detection Limit	Ca (227.547 nm)	6.38	0.9815 (ppm)	57.3919
5/10/2019 15:20:38	Contract Required Detection Limit	Cd (214.439 nm)	1.81	0.0099 (ppm)	204.7047
5/10/2019 15:20:38	Contract Required Detection Limit	Co (230.786 nm)	0.89	0.0513 (ppm)	607.2013
5/10/2019 15:20:38	Contract Required Detection Limit	Cr (267.716 nm)	1.66	0.0100 (ppm)	404.2560
5/10/2019 15:20:38	Contract Required Detection Limit	Cu (327.395 nm)	0.64	0.0248 (ppm)	1524.5638
5/10/2019 15:20:38	Contract Required Detection Limit	Fe (234.350 nm)	5.89	0.1597 R (ppm)	1722.4396 R
5/10/2019 15:20:38	Contract Required Detection Limit	K (766.491 nm)	1.04	0.9573 (ppm)	3189.0663
5/10/2019 15:20:38	Contract Required Detection Limit	Mg (279.078 nm)	0.41	0.9649 (ppm)	2101.9861
5/10/2019 15:20:38	Contract Required Detection Limit	Mn (257.610 nm)	1.24	0.0164 (ppm)	4963.3863
5/10/2019 15:20:38	Contract Required Detection Limit	Mo (202.032 nm)	3.62	0.0263 (ppm)	143.2018
5/10/2019 15:20:38	Contract Required Detection Limit	Na (588.995 nm)	1.41	1.4317 R (ppm)	50679.4851 R
5/10/2019 15:20:38	Contract Required Detection Limit	Ni (230.299 nm)	1.38	0.0416 (ppm)	384.4993
5/10/2019 15:20:38	Contract Required Detection Limit	Pb (220.353 nm)	18.87	0.0101 (ppm)	28.0032
5/10/2019 15:20:38	Contract Required Detection Limit	Sb (217.582 nm)	2.82	0.0614 (ppm)	63.1254
5/10/2019 15:20:38	Contract Required Detection Limit	Se (196.026 nm)	11.35	0.0110 (ppm)	4.4566
5/10/2019 15:20:38	Contract Required Detection Limit	Sn (189.925 nm)	0.50	0.4915 (ppm)	335.7193
5/10/2019 15:20:38	Contract Required Detection Limit	Sr (216.596 nm)	0.57	0.1017 (ppm)	979.8158
5/10/2019 15:20:38	Contract Required Detection Limit	Ti (336.122 nm)	0.14	0.0510 (ppm)	11886.3215
5/10/2019 15:20:38	Contract Required Detection Limit	Tl (351.923 nm)	7.11	0.0173 (ppm)	47.4556
5/10/2019 15:20:38	Contract Required Detection Limit	V (292.401 nm)	0.28	0.0501 (ppm)	1555.6738
5/10/2019 15:20:38	Contract Required Detection Limit	Y (360.074 nm)	0.31	1.01 (Ratio)	1148696.64
5/10/2019 15:20:38	Contract Required Detection Limit	Y_R (360.074 nm)	0.31	1.01 (Ratio)	1149169.98
5/10/2019 15:20:38	Contract Required Detection Limit	Zn (213.857 nm)	0.96	0.0197 (ppm)	612.4567
5/10/2019 15:23:59	Interference Check Solution A	Ag (328.068 nm)	11.97	0.0001 (ppm)	-49.5023
5/10/2019 15:23:59	Interference Check Solution A	Al (394.401 nm)	0.20	261.0642 o (ppm)	4210456.8643
5/10/2019 15:23:59	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.5909
5/10/2019 15:23:59	Interference Check Solution A	B (249.772 nm)	0.37	0.0450 (ppm)	1777.2884
5/10/2019 15:23:59	Interference Check Solution A	Ba (230.424 nm)	15.27	0.0010 (ppm)	65.5820
5/10/2019 15:23:59	Interference Check Solution A	Be (313.107 nm)	17.01	-0.0001 u (ppm)	-361.6917
5/10/2019 15:23:59	Interference Check Solution A	Ca (227.547 nm)	0.16	261.8980 o (ppm)	14966.8737
5/10/2019 15:23:59	Interference Check Solution A	Cd (214.439 nm)	29.38	-0.0006 u (ppm)	-3.5684
5/10/2019 15:23:59	Interference Check Solution A	Co (230.786 nm)	14.15	-0.0028 u (ppm)	-35.3226
5/10/2019 15:23:59	Interference Check Solution A	Cr (267.716 nm)	34.58	0.0007 (ppm)	41.3069
5/10/2019 15:23:59	Interference Check Solution A	Cu (327.395 nm)	27.89	-0.0001 u (ppm)	17.6225
5/10/2019 15:23:59	Interference Check Solution A	Fe (234.350 nm)	0.63	88.7865 o (ppm)	917070.5949
5/10/2019 15:23:59	Interference Check Solution A	K (766.491 nm)	5.68	0.0794 (ppm)	290.0196
5/10/2019 15:23:59	Interference Check Solution A	Mg (279.078 nm)	0.62	255.2787 o (ppm)	547028.3733
5/10/2019 15:23:59	Interference Check Solution A	Mn (257.610 nm)	1.77	0.0028 (ppm)	889.7560
5/10/2019 15:23:59	Interference Check Solution A	Mo (202.032 nm)	37.50	0.0008 (ppm)	5.9833
5/10/2019 15:23:59	Interference Check Solution A	Na (588.995 nm)	12.95	0.8640 (ppm)	26971.4324
5/10/2019 15:23:59	Interference Check Solution A	Ni (230.299 nm)	33.90	-0.0006 u (ppm)	-17.3182
5/10/2019 15:23:59	Interference Check Solution A	Pb (220.353 nm)	36.15	-0.0018 u (ppm)	-4.5399
5/10/2019 15:23:59	Interference Check Solution A	Sb (217.582 nm)	71.67	-0.0035 u (ppm)	-6.6621
5/10/2019 15:23:59	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0034 u (ppm)	-1.9101
5/10/2019 15:23:59	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1395

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:23:59	Interference Check Solution A	Sr (216.596 nm)	2.07	0.0188 (ppm)	180.5343
5/10/2019 15:23:59	Interference Check Solution A	Ti (336.122 nm)	4.80	0.0017 (ppm)	291.9754
5/10/2019 15:23:59	Interference Check Solution A	Ti (351.923 nm)	29.42	0.0028 (ppm)	7.0107
5/10/2019 15:23:59	Interference Check Solution A	V (292.401 nm)	18.82	0.0012 (ppm)	85.1232
5/10/2019 15:23:59	Interference Check Solution A	Y (360.074 nm)	0.34	0.90 (Ratio)	1025243.62
5/10/2019 15:23:59	Interference Check Solution A	Y_R (360.074 nm)	0.34	0.90 (Ratio)	1025352.12
5/10/2019 15:23:59	Interference Check Solution A	Zn (213.857 nm)	0.78	0.0114 K (ppm)	350.2489 K
5/10/2019 15:27:19	Interference Check Solution AB	Ag (328.068 nm)	0.23	0.2098 (ppm)	13461.7271
5/10/2019 15:27:19	Interference Check Solution AB	Al (394.401 nm)	0.04	262.4980 o (ppm)	4233578.6045
5/10/2019 15:27:19	Interference Check Solution AB	As (188.980 nm)	2.85	0.0988 (ppm)	59.7823
5/10/2019 15:27:19	Interference Check Solution AB	B (249.772 nm)	0.29	0.0439 (ppm)	1739.1313
5/10/2019 15:27:19	Interference Check Solution AB	Ba (230.424 nm)	0.61	0.5142 (ppm)	23287.5117
5/10/2019 15:27:19	Interference Check Solution AB	Be (313.107 nm)	0.48	0.4886 (ppm)	613392.2544
5/10/2019 15:27:19	Interference Check Solution AB	Ca (227.547 nm)	0.26	262.5241 o (ppm)	15002.6540
5/10/2019 15:27:19	Interference Check Solution AB	Cd (214.439 nm)	0.42	0.9482 (ppm)	18762.1593
5/10/2019 15:27:19	Interference Check Solution AB	Co (230.786 nm)	0.15	0.4755 (ppm)	5644.8582
5/10/2019 15:27:19	Interference Check Solution AB	Cr (267.716 nm)	0.31	0.4872 (ppm)	19010.8320
5/10/2019 15:27:19	Interference Check Solution AB	Cu (327.395 nm)	0.10	0.5139 (ppm)	31174.0206
5/10/2019 15:27:19	Interference Check Solution AB	Fe (234.350 nm)	0.41	89.4067 o (ppm)	923476.1443
5/10/2019 15:27:19	Interference Check Solution AB	K (766.491 nm)	22.81	0.0575 (ppm)	217.6437
5/10/2019 15:27:19	Interference Check Solution AB	Mg (279.078 nm)	0.34	256.8342 o (ppm)	550575.4832
5/10/2019 15:27:19	Interference Check Solution AB	Mn (257.610 nm)	0.24	0.4838 (ppm)	145175.4232
5/10/2019 15:27:19	Interference Check Solution AB	Mo (202.032 nm)	50.91	0.0011 (ppm)	7.6513
5/10/2019 15:27:19	Interference Check Solution AB	Na (588.995 nm)	8.17	0.5478 (ppm)	13762.6270
5/10/2019 15:27:19	Interference Check Solution AB	Ni (230.299 nm)	0.40	0.9278 (ppm)	8822.1568
5/10/2019 15:27:19	Interference Check Solution AB	Pb (220.353 nm)	2.06	0.0465 (ppm)	127.2432
5/10/2019 15:27:19	Interference Check Solution AB	Sb (217.582 nm)	1.23	0.6005 (ppm)	643.4709
5/10/2019 15:27:19	Interference Check Solution AB	Se (196.026 nm)	8.02	0.0495 (ppm)	21.3703
5/10/2019 15:27:19	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	-0.0004 u (ppm)	-1.1910
5/10/2019 15:27:19	Interference Check Solution AB	Sr (216.596 nm)	4.59	0.0190 (ppm)	181.9765
5/10/2019 15:27:19	Interference Check Solution AB	Ti (336.122 nm)	4.36	0.0016 (ppm)	278.5978
5/10/2019 15:27:19	Interference Check Solution AB	Ti (351.923 nm)	2.20	0.1100 (ppm)	307.3725
5/10/2019 15:27:19	Interference Check Solution AB	V (292.401 nm)	0.36	0.4989 (ppm)	15043.6016
5/10/2019 15:27:19	Interference Check Solution AB	Y (360.074 nm)	0.42	0.90 (Ratio)	1021102.78
5/10/2019 15:27:19	Interference Check Solution AB	Y_R (360.074 nm)	0.42	0.90 (Ratio)	1021277.55
5/10/2019 15:27:19	Interference Check Solution AB	Zn (213.857 nm)	0.26	0.9907 (ppm)	31196.8688
5/10/2019 15:30:39	HLCCV2	Ag (328.068 nm)	0.31	2.1550 o (ppm)	138820.8713
5/10/2019 15:30:39	HLCCV2	Al (394.401 nm)	0.28	531.0708 o (ppm)	8564757.9464
5/10/2019 15:30:39	HLCCV2	As (188.980 nm)	0.32	4.0902 o (ppm)	2468.7316
5/10/2019 15:30:39	HLCCV2	B (249.772 nm)	0.17	10.1521 o (ppm)	378532.1714
5/10/2019 15:30:39	HLCCV2	Ba (230.424 nm)	0.96	37.7044 o (ppm)	1706294.1299
5/10/2019 15:30:39	HLCCV2	Be (313.107 nm)	0.42	0.9730 o (ppm)	1221830.2076
5/10/2019 15:30:39	HLCCV2	Ca (227.547 nm)	0.14	271.1544 o (ppm)	15495.8103
5/10/2019 15:30:39	HLCCV2	Cd (214.439 nm)	0.34	1.8674 o (ppm)	3694.6202
5/10/2019 15:30:39	HLCCV2	Co (230.786 nm)	0.43	9.2062 o (ppm)	109326.8010
5/10/2019 15:30:39	HLCCV2	Cr (267.716 nm)	0.39	9.6188 o (ppm)	375073.8508
5/10/2019 15:30:39	HLCCV2	Cu (327.395 nm)	0.15	5.3711 o (ppm)	325624.3682
5/10/2019 15:30:39	HLCCV2	Fe (234.350 nm)	0.29	45.1994 o (ppm)	466898.3230
5/10/2019 15:30:39	HLCCV2	K (766.491 nm)	0.33	163.8849 o (ppm)	541253.1327
5/10/2019 15:30:39	HLCCV2	Mg (279.078 nm)	0.25	494.0478 o (ppm)	1058646.4147
5/10/2019 15:30:39	HLCCV2	Mn (257.610 nm)	0.46	9.2873 o (ppm)	2786264.3390

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:30:39	HLCCV2	Mo (202.032 nm)	0.46	9.6085 o (ppm)	51580.0216
5/10/2019 15:30:39	HLCCV2	Na (588.995 nm)	0.09	190.0907 o (ppm)	7930179.3871
5/10/2019 15:30:39	HLCCV2	Ni (230.299 nm)	0.31	7.2932 o (ppm)	69432.0415
5/10/2019 15:30:39	HLCCV2	Pb (220.353 nm)	0.37	9.2742 o (ppm)	25271.7764
5/10/2019 15:30:39	HLCCV2	Sb (217.582 nm)	11.50	0.0263 (ppm)	25.4248
5/10/2019 15:30:39	HLCCV2	Se (196.026 nm)	0.62	2.0414 o (ppm)	897.1069
5/10/2019 15:30:39	HLCCV2	Sn (189.925 nm)	33.82	-0.0129 u (ppm)	-9.7398
5/10/2019 15:30:39	HLCCV2	Sr (216.596 nm)	0.95	9.5604 o (ppm)	92168.9135
5/10/2019 15:30:39	HLCCV2	Ti (336.122 nm)	0.19	9.8320 o (ppm)	2312395.5243
5/10/2019 15:30:39	HLCCV2	Tl (351.923 nm)	0.24	4.3318 o (ppm)	12140.6157
5/10/2019 15:30:39	HLCCV2	V (292.401 nm)	0.35	9.7349 o (ppm)	292658.7702
5/10/2019 15:30:39	HLCCV2	Y (360.074 nm)	0.48	0.85 (Ratio)	966791.11
5/10/2019 15:30:39	HLCCV2	Y_R (360.074 nm)	0.48	0.85 (Ratio)	966861.69
5/10/2019 15:30:39	HLCCV2	Zn (213.857 nm)	0.10	4.0419 o (ppm)	127302.5999
5/10/2019 15:33:59	HLCCV3	Ag (328.068 nm)	56.21	0.0002 (ppm)	-46.2972
5/10/2019 15:33:59	HLCCV3	Al (394.401 nm)	7.25	0.0787 (ppm)	1636.3888
5/10/2019 15:33:59	HLCCV3	As (188.980 nm)	96.20	-0.0004 u (ppm)	-0.1262
5/10/2019 15:33:59	HLCCV3	B (249.772 nm)	0.97	0.0273 (ppm)	1117.6799
5/10/2019 15:33:59	HLCCV3	Ba (230.424 nm)	2.91	0.0046 (ppm)	225.7414
5/10/2019 15:33:59	HLCCV3	Be (313.107 nm)	7.85	0.0001 (ppm)	-160.6470
5/10/2019 15:33:59	HLCCV3	Ca (227.547 nm)	0.11	202.8283 o (ppm)	11591.4702
5/10/2019 15:33:59	HLCCV3	Cd (214.439 nm)	19.11	0.0008 (ppm)	24.6721
5/10/2019 15:33:59	HLCCV3	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.7690
5/10/2019 15:33:59	HLCCV3	Cr (267.716 nm)	7.74	0.0009 (ppm)	46.7236
5/10/2019 15:33:59	HLCCV3	Cu (327.395 nm)	0.65	4.0329 o (ppm)	244500.6364
5/10/2019 15:33:59	HLCCV3	Fe (234.350 nm)	0.37	36.6987 o (ppm)	379101.2035
5/10/2019 15:33:59	HLCCV3	K (766.491 nm)	0.15	101.1654 o (ppm)	334123.6938
5/10/2019 15:33:59	HLCCV3	Mg (279.078 nm)	14.51	0.0490 (ppm)	139.6244
5/10/2019 15:33:59	HLCCV3	Mn (257.610 nm)	5.49	0.0013 (ppm)	433.2275
5/10/2019 15:33:59	HLCCV3	Mo (202.032 nm)	15.50	0.0089 (ppm)	49.6681
5/10/2019 15:33:59	HLCCV3	Na (588.995 nm)	0.25	138.6163 o (ppm)	5780309.7550
5/10/2019 15:33:59	HLCCV3	Ni (230.299 nm)	1.75	-0.0246 u (ppm)	-246.6308
5/10/2019 15:33:59	HLCCV3	Pb (220.353 nm)	30.05	0.0021 (ppm)	6.0503
5/10/2019 15:33:59	HLCCV3	Sb (217.582 nm)	> 100.00	-0.0001 u (ppm)	-3.0294
5/10/2019 15:33:59	HLCCV3	Se (196.026 nm)	> 100.00	-0.0034 u (ppm)	-1.8770
5/10/2019 15:33:59	HLCCV3	Sn (189.925 nm)	> 100.00	-0.0006 u (ppm)	-1.3016
5/10/2019 15:33:59	HLCCV3	Sr (216.596 nm)	3.44	0.0126 (ppm)	120.1431
5/10/2019 15:33:59	HLCCV3	Ti (336.122 nm)	11.50	0.0048 (ppm)	1036.5504
5/10/2019 15:33:59	HLCCV3	Tl (351.923 nm)	0.28	2.9411 o (ppm)	8242.6716
5/10/2019 15:33:59	HLCCV3	V (292.401 nm)	2.31	0.0008 (ppm)	73.5466
5/10/2019 15:33:59	HLCCV3	Y (360.074 nm)	0.46	0.92 (Ratio)	1049509.82
5/10/2019 15:33:59	HLCCV3	Y_R (360.074 nm)	0.47	0.92 (Ratio)	1049848.48
5/10/2019 15:33:59	HLCCV3	Zn (213.857 nm)	2.23	0.0067 (ppm)	201.0694
5/10/2019 15:37:19	HLCCV1	Ag (328.068 nm)	0.27	0.9966 (ppm)	64167.6265
5/10/2019 15:37:19	HLCCV1	Al (394.401 nm)	0.07	19.7293 (ppm)	318533.3998
5/10/2019 15:37:19	HLCCV1	As (188.980 nm)	0.43	1.9655 (ppm)	1186.3686
5/10/2019 15:37:19	HLCCV1	B (249.772 nm)	0.26	4.8534 (ppm)	181018.3812
5/10/2019 15:37:19	HLCCV1	Ba (230.424 nm)	0.32	19.6364 (ppm)	888646.5610
5/10/2019 15:37:19	HLCCV1	Be (313.107 nm)	0.21	0.4886 (ppm)	613430.0200
5/10/2019 15:37:19	HLCCV1	Ca (227.547 nm)	0.25	49.3231 (ppm)	2819.7621
5/10/2019 15:37:19	HLCCV1	Cd (214.439 nm)	0.54	0.9775 (ppm)	19342.1883

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:37:19	HLCCV1	Co (230.786 nm)	0.37	4.8954 (ppm)	58133.3742
5/10/2019 15:37:19	HLCCV1	Cr (267.716 nm)	0.38	0.9743 (ppm)	38005.0228
5/10/2019 15:37:19	HLCCV1	Cu (327.395 nm)	0.21	2.4585 (ppm)	149057.9450
5/10/2019 15:37:19	HLCCV1	Fe (234.350 nm)	0.57	9.8214 (ppm)	101509.6163
5/10/2019 15:37:19	HLCCV1	K (766.491 nm)	0.08	49.3211 (ppm)	162909.0990
5/10/2019 15:37:19	HLCCV1	Mg (279.078 nm)	0.45	49.2145 (ppm)	105488.0384
5/10/2019 15:37:19	HLCCV1	Mn (257.610 nm)	0.29	1.4598 (ppm)	437975.6442
5/10/2019 15:37:19	HLCCV1	Mo (202.032 nm)	0.51	4.9059 (ppm)	26336.5063
5/10/2019 15:37:19	HLCCV1	Na (588.995 nm)	0.22	49.6267 (ppm)	2063584.4819
5/10/2019 15:37:19	HLCCV1	Ni (230.299 nm)	0.33	3.9272 (ppm)	37381.7858
5/10/2019 15:37:19	HLCCV1	Pb (220.353 nm)	0.60	0.9780 (ppm)	2665.3655
5/10/2019 15:37:19	HLCCV1	Sb (217.582 nm)	0.42	9.8664 (ppm)	10617.0861
5/10/2019 15:37:19	HLCCV1	Se (196.026 nm)	0.42	0.9844 (ppm)	432.3921
5/10/2019 15:37:19	HLCCV1	Sn (189.925 nm)	0.25	9.7787 (ppm)	6696.5306
5/10/2019 15:37:19	HLCCV1	Sr (216.596 nm)	0.45	4.9162 (ppm)	47395.4238
5/10/2019 15:37:19	HLCCV1	Ti (336.122 nm)	0.44	4.9233 (ppm)	1157851.0655
5/10/2019 15:37:19	HLCCV1	Ti (351.923 nm)	0.29	1.9770 (ppm)	5540.3528
5/10/2019 15:37:19	HLCCV1	V (292.401 nm)	0.18	4.9048 (ppm)	147476.8724
5/10/2019 15:37:19	HLCCV1	Y (360.074 nm)	0.29	0.96 (Ratio)	1085609.23
5/10/2019 15:37:19	HLCCV1	Y_R (360.074 nm)	0.29	0.96 (Ratio)	1086096.51
5/10/2019 15:37:19	HLCCV1	Zn (213.857 nm)	0.25	1.9665 (ppm)	61931.1944
5/10/2019 15:40:40	Continuing Calibration Verification	Ag (328.068 nm)	0.33	0.4932 (ppm)	31727.4203
5/10/2019 15:40:40	Continuing Calibration Verification	Al (394.401 nm)	0.53	9.5503 (ppm)	154380.3121
5/10/2019 15:40:40	Continuing Calibration Verification	As (188.980 nm)	0.44	0.9711 (ppm)	586.2083
5/10/2019 15:40:40	Continuing Calibration Verification	B (249.772 nm)	0.52	2.4019 (ppm)	89633.3795
5/10/2019 15:40:40	Continuing Calibration Verification	Ba (230.424 nm)	0.17	10.1832 (ppm)	460847.5167
5/10/2019 15:40:40	Continuing Calibration Verification	Be (313.107 nm)	0.64	0.2501 (ppm)	313885.9103
5/10/2019 15:40:40	Continuing Calibration Verification	Ca (227.547 nm)	0.01	24.2152 (ppm)	1385.0270
5/10/2019 15:40:40	Continuing Calibration Verification	Cd (214.439 nm)	0.38	0.4912 (ppm)	9723.3474
5/10/2019 15:40:40	Continuing Calibration Verification	Co (230.786 nm)	0.44	2.5751 (ppm)	30578.2477
5/10/2019 15:40:40	Continuing Calibration Verification	Cr (267.716 nm)	0.48	0.4976 (ppm)	19415.3146
5/10/2019 15:40:40	Continuing Calibration Verification	Cu (327.395 nm)	0.30	1.2042 (ppm)	73022.4179
5/10/2019 15:40:40	Continuing Calibration Verification	Fe (234.350 nm)	0.46	4.8434 (ppm)	50096.3751
5/10/2019 15:40:40	Continuing Calibration Verification	K (766.491 nm)	0.35	24.5696 (ppm)	81168.1581
5/10/2019 15:40:40	Continuing Calibration Verification	Mg (279.078 nm)	0.28	24.8432 (ppm)	53266.9178
5/10/2019 15:40:40	Continuing Calibration Verification	Mn (257.610 nm)	0.59	0.7388 (ppm)	221684.7858
5/10/2019 15:40:40	Continuing Calibration Verification	Mo (202.032 nm)	0.55	2.4435 (ppm)	13118.5589
5/10/2019 15:40:40	Continuing Calibration Verification	Na (588.995 nm)	0.47	24.7843 (ppm)	1026020.0001
5/10/2019 15:40:40	Continuing Calibration Verification	Ni (230.299 nm)	0.51	1.9721 (ppm)	18766.0871
5/10/2019 15:40:40	Continuing Calibration Verification	Pb (220.353 nm)	0.76	0.4985 (ppm)	1358.8643
5/10/2019 15:40:40	Continuing Calibration Verification	Sb (217.582 nm)	0.20	4.7471 (ppm)	5106.7154
5/10/2019 15:40:40	Continuing Calibration Verification	Se (196.026 nm)	0.85	0.4843 (ppm)	212.5365
5/10/2019 15:40:40	Continuing Calibration Verification	Sn (189.925 nm)	0.75	4.9125 (ppm)	3363.6847
5/10/2019 15:40:40	Continuing Calibration Verification	Sr (216.596 nm)	0.67	2.5104 (ppm)	24201.1535
5/10/2019 15:40:40	Continuing Calibration Verification	Ti (336.122 nm)	0.40	2.4967 (ppm)	587132.4204
5/10/2019 15:40:40	Continuing Calibration Verification	Ti (351.923 nm)	0.22	1.0082 (ppm)	2824.8555
5/10/2019 15:40:40	Continuing Calibration Verification	V (292.401 nm)	0.46	2.5166 (ppm)	75693.4081
5/10/2019 15:40:40	Continuing Calibration Verification	Y (360.074 nm)	0.18	0.97 (Ratio)	1107801.55
5/10/2019 15:40:40	Continuing Calibration Verification	Y_R (360.074 nm)	0.18	0.98 (Ratio)	1108460.01
5/10/2019 15:40:40	Continuing Calibration Verification	Zn (213.857 nm)	0.40	0.9656 (ppm)	30405.3915
5/10/2019 15:43:59	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0001 (ppm)	-54.0763

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:43:59	Continuing Calibration Blank	Al (394.401 nm)	73.33	0.0061 (ppm)	464.4562
5/10/2019 15:43:59	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0019 (ppm)	1.3001
5/10/2019 15:43:59	Continuing Calibration Blank	B (249.772 nm)	1.93	0.0034 (ppm)	228.0922
5/10/2019 15:43:59	Continuing Calibration Blank	Ba (230.424 nm)	20.09	0.0027 (ppm)	142.0648
5/10/2019 15:43:59	Continuing Calibration Blank	Be (313.107 nm)	30.11	0.0001 (ppm)	-217.1248
5/10/2019 15:43:59	Continuing Calibration Blank	Ca (227.547 nm)	21.09	0.0388 (ppm)	3.5261
5/10/2019 15:43:59	Continuing Calibration Blank	Cd (214.439 nm)	84.69	0.0000 u (ppm)	7.7811
5/10/2019 15:43:59	Continuing Calibration Blank	Co (230.786 nm)	53.60	0.0007 (ppm)	5.6044
5/10/2019 15:43:59	Continuing Calibration Blank	Cr (267.716 nm)	12.82	0.0004 (ppm)	29.8558
5/10/2019 15:43:59	Continuing Calibration Blank	Cu (327.395 nm)	60.12	0.0002 (ppm)	33.5670
5/10/2019 15:43:59	Continuing Calibration Blank	Fe (234.350 nm)	26.67	0.0065 (ppm)	139.5738
5/10/2019 15:43:59	Continuing Calibration Blank	K (766.491 nm)	12.19	0.0716 (ppm)	264.2548
5/10/2019 15:43:59	Continuing Calibration Blank	Mg (279.078 nm)	54.99	0.0121 (ppm)	60.4460
5/10/2019 15:43:59	Continuing Calibration Blank	Mn (257.610 nm)	25.91	0.0004 (ppm)	173.1618
5/10/2019 15:43:59	Continuing Calibration Blank	Mo (202.032 nm)	15.50	0.0050 (ppm)	28.8274
5/10/2019 15:43:59	Continuing Calibration Blank	Na (588.995 nm)	9.68	0.0617 (ppm)	-6539.0105
5/10/2019 15:43:59	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0004 u (ppm)	-8.5240
5/10/2019 15:43:59	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0009 (ppm)	2.8004
5/10/2019 15:43:59	Continuing Calibration Blank	Sb (217.582 nm)	72.98	0.0042 (ppm)	1.5914
5/10/2019 15:43:59	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0038 (ppm)	1.2617
5/10/2019 15:43:59	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	-0.0007 u (ppm)	-1.3646
5/10/2019 15:43:59	Continuing Calibration Blank	Sr (216.596 nm)	54.32	0.0007 (ppm)	5.5523
5/10/2019 15:43:59	Continuing Calibration Blank	Ti (336.122 nm)	5.37	0.0023 (ppm)	435.7256
5/10/2019 15:43:59	Continuing Calibration Blank	Tl (351.923 nm)	95.70	0.0012 (ppm)	2.3891
5/10/2019 15:43:59	Continuing Calibration Blank	V (292.401 nm)	9.09	0.0004 (ppm)	58.9499
5/10/2019 15:43:59	Continuing Calibration Blank	Y (360.074 nm)	0.39	1.02 (Ratio)	1156551.22
5/10/2019 15:43:59	Continuing Calibration Blank	Y_R (360.074 nm)	0.39	1.02 (Ratio)	1157376.50
5/10/2019 15:43:59	Continuing Calibration Blank	Zn (213.857 nm)	27.60	0.0001 (ppm)	-4.1887
5/10/2019 15:50:52	Contract Required Detection Limit	Ag (328.068 nm)	0.81	0.0101 (ppm)	590.0784
5/10/2019 15:50:52	Contract Required Detection Limit	Al (394.401 nm)	1.37	0.1888 (ppm)	3411.0146
5/10/2019 15:50:52	Contract Required Detection Limit	As (188.980 nm)	16.39	0.0192 (ppm)	11.7336
5/10/2019 15:50:52	Contract Required Detection Limit	B (249.772 nm)	0.33	0.1816 (ppm)	6868.7125
5/10/2019 15:50:52	Contract Required Detection Limit	Ba (230.424 nm)	0.57	0.2119 (ppm)	9608.0622
5/10/2019 15:50:52	Contract Required Detection Limit	Be (313.107 nm)	0.27	0.0049 (ppm)	5842.5467
5/10/2019 15:50:52	Contract Required Detection Limit	Ca (227.547 nm)	3.34	0.9990 (ppm)	58.3911
5/10/2019 15:50:52	Contract Required Detection Limit	Cd (214.439 nm)	0.83	0.0096 (ppm)	199.4669
5/10/2019 15:50:52	Contract Required Detection Limit	Co (230.786 nm)	0.24	0.0520 (ppm)	615.4274
5/10/2019 15:50:52	Contract Required Detection Limit	Cr (267.716 nm)	0.28	0.0103 (ppm)	416.0715
5/10/2019 15:50:52	Contract Required Detection Limit	Cu (327.395 nm)	0.75	0.0247 (ppm)	1520.9120
5/10/2019 15:50:52	Contract Required Detection Limit	Fe (234.350 nm)	1.69	0.1097 (ppm)	1205.3546
5/10/2019 15:50:52	Contract Required Detection Limit	K (766.491 nm)	0.56	0.9363 (ppm)	3119.9115
5/10/2019 15:50:52	Contract Required Detection Limit	Mg (279.078 nm)	0.61	0.9871 (ppm)	2149.6768
5/10/2019 15:50:52	Contract Required Detection Limit	Mn (257.610 nm)	0.59	0.0160 (ppm)	4837.1075
5/10/2019 15:50:52	Contract Required Detection Limit	Mo (202.032 nm)	1.64	0.0266 (ppm)	144.7360
5/10/2019 15:50:52	Contract Required Detection Limit	Na (588.995 nm)	0.15	1.0506 (ppm)	34765.3588
5/10/2019 15:50:52	Contract Required Detection Limit	Ni (230.299 nm)	1.32	0.0416 (ppm)	384.1052
5/10/2019 15:50:52	Contract Required Detection Limit	Pb (220.353 nm)	6.89	0.0106 (ppm)	29.2243
5/10/2019 15:50:52	Contract Required Detection Limit	Sb (217.582 nm)	1.95	0.0632 (ppm)	65.1077
5/10/2019 15:50:52	Contract Required Detection Limit	Se (196.026 nm)	33.21	0.0111 (ppm)	4.4935
5/10/2019 15:50:52	Contract Required Detection Limit	Sn (189.925 nm)	0.82	0.4932 (ppm)	336.9108
5/10/2019 15:50:52	Contract Required Detection Limit	Sr (216.596 nm)	0.54	0.1024 (ppm)	986.3896

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:50:52	Contract Required Detection Limit	Ti (336.122 nm)	0.39	0.0512 (ppm)	11937.0446
5/10/2019 15:50:52	Contract Required Detection Limit	Tl (351.923 nm)	8.39	0.0208 (ppm)	57.4785
5/10/2019 15:50:52	Contract Required Detection Limit	V (292.401 nm)	0.30	0.0500 (ppm)	1550.6273
5/10/2019 15:50:52	Contract Required Detection Limit	Y (360.074 nm)	0.60	1.02 (Ratio)	1154681.55
5/10/2019 15:50:52	Contract Required Detection Limit	Y_R (360.074 nm)	0.60	1.02 (Ratio)	1155561.60
5/10/2019 15:50:52	Contract Required Detection Limit	Zn (213.857 nm)	0.32	0.0195 (ppm)	606.6077
5/10/2019 15:54:11	Interference Check Solution A	Ag (328.068 nm)	45.75	0.0003 (ppm)	-40.0341
5/10/2019 15:54:11	Interference Check Solution A	Al (394.401 nm)	0.24	261.8778 o (ppm)	4223576.9906
5/10/2019 15:54:11	Interference Check Solution A	As (188.980 nm)	> 100.00	0.0004 u (ppm)	0.3737
5/10/2019 15:54:11	Interference Check Solution A	B (249.772 nm)	0.77	0.0468 (ppm)	1844.0480
5/10/2019 15:54:11	Interference Check Solution A	Ba (230.424 nm)	12.70	0.0031 (ppm)	159.4660
5/10/2019 15:54:11	Interference Check Solution A	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-278.4897
5/10/2019 15:54:11	Interference Check Solution A	Ca (227.547 nm)	0.11	263.0772 o (ppm)	15034.2589
5/10/2019 15:54:11	Interference Check Solution A	Cd (214.439 nm)	57.40	-0.0004 u (ppm)	0.6513
5/10/2019 15:54:11	Interference Check Solution A	Co (230.786 nm)	24.86	-0.0024 u (ppm)	-30.5351
5/10/2019 15:54:11	Interference Check Solution A	Cr (267.716 nm)	23.15	0.0010 (ppm)	50.7458
5/10/2019 15:54:11	Interference Check Solution A	Cu (327.395 nm)	96.24	0.0001 (ppm)	29.1496
5/10/2019 15:54:11	Interference Check Solution A	Fe (234.350 nm)	0.06	89.5030 o (ppm)	924470.8969
5/10/2019 15:54:11	Interference Check Solution A	K (766.491 nm)	24.43	0.0673 (ppm)	250.0243
5/10/2019 15:54:11	Interference Check Solution A	Mg (279.078 nm)	0.27	257.5422 o (ppm)	551878.2825
5/10/2019 15:54:11	Interference Check Solution A	Mn (257.610 nm)	5.09	0.0024 (ppm)	774.6420
5/10/2019 15:54:11	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0012 (ppm)	8.3353
5/10/2019 15:54:11	Interference Check Solution A	Na (588.995 nm)	14.17	0.0550 (ppm)	-6816.7816
5/10/2019 15:54:11	Interference Check Solution A	Ni (230.299 nm)	14.32	-0.0011 u (ppm)	-22.4704
5/10/2019 15:54:11	Interference Check Solution A	Pb (220.353 nm)	40.52	-0.0014 u (ppm)	-3.2702
5/10/2019 15:54:11	Interference Check Solution A	Sb (217.582 nm)	78.85	-0.0009 u (ppm)	-3.8876
5/10/2019 15:54:11	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0009 u (ppm)	-0.7871
5/10/2019 15:54:11	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0005 u (ppm)	-0.5145
5/10/2019 15:54:11	Interference Check Solution A	Sr (216.596 nm)	1.90	0.0189 (ppm)	181.5971
5/10/2019 15:54:11	Interference Check Solution A	Ti (336.122 nm)	5.56	0.0022 (ppm)	425.1445
5/10/2019 15:54:11	Interference Check Solution A	Tl (351.923 nm)	19.37	0.0039 (ppm)	9.9130
5/10/2019 15:54:11	Interference Check Solution A	V (292.401 nm)	3.08	0.0020 (ppm)	107.8350
5/10/2019 15:54:11	Interference Check Solution A	Y (360.074 nm)	0.42	0.90 (Ratio)	1021869.15
5/10/2019 15:54:11	Interference Check Solution A	Y_R (360.074 nm)	0.42	0.90 (Ratio)	1022217.49
5/10/2019 15:54:11	Interference Check Solution A	Zn (213.857 nm)	0.94	0.0115 K (ppm)	354.3416 K
5/10/2019 15:57:31	Interference Check Solution AB	Ag (328.068 nm)	0.18	0.2096 (ppm)	13449.8530
5/10/2019 15:57:31	Interference Check Solution AB	Al (394.401 nm)	0.24	260.4296 o (ppm)	4200222.8837
5/10/2019 15:57:31	Interference Check Solution AB	As (188.980 nm)	4.61	0.0976 (ppm)	59.0427
5/10/2019 15:57:31	Interference Check Solution AB	B (249.772 nm)	0.86	0.0457 (ppm)	1805.8005
5/10/2019 15:57:31	Interference Check Solution AB	Ba (230.424 nm)	0.22	0.5152 (ppm)	23332.3282
5/10/2019 15:57:31	Interference Check Solution AB	Be (313.107 nm)	0.39	0.4870 (ppm)	611353.9203
5/10/2019 15:57:31	Interference Check Solution AB	Ca (227.547 nm)	0.05	263.0756 o (ppm)	15034.1671
5/10/2019 15:57:31	Interference Check Solution AB	Cd (214.439 nm)	0.39	0.9421 (ppm)	18640.7857
5/10/2019 15:57:31	Interference Check Solution AB	Co (230.786 nm)	0.25	0.4753 (ppm)	5642.3110
5/10/2019 15:57:31	Interference Check Solution AB	Cr (267.716 nm)	0.23	0.4870 (ppm)	19004.0372
5/10/2019 15:57:31	Interference Check Solution AB	Cu (327.395 nm)	0.14	0.5123 (ppm)	31077.9441
5/10/2019 15:57:31	Interference Check Solution AB	Fe (234.350 nm)	0.42	89.4977 o (ppm)	924416.3140
5/10/2019 15:57:31	Interference Check Solution AB	K (766.491 nm)	38.98	0.0367 (ppm)	148.9675
5/10/2019 15:57:31	Interference Check Solution AB	Mg (279.078 nm)	0.43	256.8249 o (ppm)	550341.4181
5/10/2019 15:57:31	Interference Check Solution AB	Mn (257.610 nm)	0.28	0.4842 (ppm)	145319.3823
5/10/2019 15:57:31	Interference Check Solution AB	Mo (202.032 nm)	13.70	0.0022 (ppm)	13.4954

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 15:57:31	Interference Check Solution AB	Na (588.995 nm)	6.16	0.0647 (ppm)	-6412.8725
5/10/2019 15:57:31	Interference Check Solution AB	Ni (230.299 nm)	0.45	0.9297 (ppm)	8840.2199
5/10/2019 15:57:31	Interference Check Solution AB	Pb (220.353 nm)	2.65	0.0470 (ppm)	128.3767
5/10/2019 15:57:31	Interference Check Solution AB	Sb (217.582 nm)	0.71	0.5993 (ppm)	642.1070
5/10/2019 15:57:31	Interference Check Solution AB	Se (196.026 nm)	19.21	0.0451 (ppm)	19.4359
5/10/2019 15:57:31	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	0.0012 u (ppm)	-0.0298
5/10/2019 15:57:31	Interference Check Solution AB	Sr (216.596 nm)	3.17	0.0198 (ppm)	190.1935
5/10/2019 15:57:31	Interference Check Solution AB	Ti (336.122 nm)	3.36	0.0023 (ppm)	449.2918
5/10/2019 15:57:31	Interference Check Solution AB	Tl (351.923 nm)	1.09	0.1107 (ppm)	309.3307
5/10/2019 15:57:31	Interference Check Solution AB	V (292.401 nm)	0.28	0.4955 (ppm)	14942.2417
5/10/2019 15:57:31	Interference Check Solution AB	Y (360.074 nm)	0.51	0.90 (Ratio)	1025435.21
5/10/2019 15:57:31	Interference Check Solution AB	Y_R (360.074 nm)	0.51	0.90 (Ratio)	1025866.50
5/10/2019 15:57:31	Interference Check Solution AB	Zn (213.857 nm)	0.26	0.9883 (ppm)	31119.6734
5/10/2019 16:00:51	Continuing Calibration Verification	Ag (328.068 nm)	0.27	0.4912 (ppm)	31599.5292
5/10/2019 16:00:51	Continuing Calibration Verification	Al (394.401 nm)	0.20	9.5851 (ppm)	154942.7066
5/10/2019 16:00:51	Continuing Calibration Verification	As (188.980 nm)	0.28	0.9611 (ppm)	580.1898
5/10/2019 16:00:51	Continuing Calibration Verification	B (249.772 nm)	0.27	2.3992 (ppm)	89534.9713
5/10/2019 16:00:51	Continuing Calibration Verification	Ba (230.424 nm)	0.15	10.1299 (ppm)	458439.5551
5/10/2019 16:00:51	Continuing Calibration Verification	Be (313.107 nm)	0.04	0.2495 (ppm)	313157.8750
5/10/2019 16:00:51	Continuing Calibration Verification	Ca (227.547 nm)	0.25	24.2861 (ppm)	1389.0813
5/10/2019 16:00:51	Continuing Calibration Verification	Cd (214.439 nm)	0.20	0.4877 (ppm)	9653.6978
5/10/2019 16:00:51	Continuing Calibration Verification	Co (230.786 nm)	0.13	2.5619 (ppm)	30421.9408
5/10/2019 16:00:51	Continuing Calibration Verification	Cr (267.716 nm)	0.34	0.4950 (ppm)	19312.4283
5/10/2019 16:00:51	Continuing Calibration Verification	Cu (327.395 nm)	0.17	1.2041 (ppm)	73015.3525
5/10/2019 16:00:51	Continuing Calibration Verification	Fe (234.350 nm)	0.24	4.8341 (ppm)	50000.3227
5/10/2019 16:00:51	Continuing Calibration Verification	K (766.491 nm)	0.43	24.5948 (ppm)	81251.3257
5/10/2019 16:00:51	Continuing Calibration Verification	Mg (279.078 nm)	0.24	24.7482 (ppm)	53063.3761
5/10/2019 16:00:51	Continuing Calibration Verification	Mn (257.610 nm)	0.24	0.7356 (ppm)	220718.7507
5/10/2019 16:00:51	Continuing Calibration Verification	Mo (202.032 nm)	0.48	2.4243 (ppm)	13015.6928
5/10/2019 16:00:51	Continuing Calibration Verification	Na (588.995 nm)	0.50	24.8879 (ppm)	1030345.9682
5/10/2019 16:00:51	Continuing Calibration Verification	Ni (230.299 nm)	0.18	1.9610 (ppm)	18659.8101
5/10/2019 16:00:51	Continuing Calibration Verification	Pb (220.353 nm)	0.47	0.4953 (ppm)	1350.0077
5/10/2019 16:00:51	Continuing Calibration Verification	Sb (217.582 nm)	0.06	4.7330 (ppm)	5091.5430
5/10/2019 16:00:51	Continuing Calibration Verification	Se (196.026 nm)	0.89	0.4794 (ppm)	210.3645
5/10/2019 16:00:51	Continuing Calibration Verification	Sn (189.925 nm)	0.18	4.8909 (ppm)	3348.8696
5/10/2019 16:00:51	Continuing Calibration Verification	Sr (216.596 nm)	0.40	2.4924 (ppm)	24027.4941
5/10/2019 16:00:51	Continuing Calibration Verification	Ti (336.122 nm)	0.27	2.4850 (ppm)	584381.5871
5/10/2019 16:00:51	Continuing Calibration Verification	Tl (351.923 nm)	0.63	1.0046 (ppm)	2814.7318
5/10/2019 16:00:51	Continuing Calibration Verification	V (292.401 nm)	0.18	2.5063 (ppm)	75383.1025
5/10/2019 16:00:51	Continuing Calibration Verification	Y (360.074 nm)	0.47	0.98 (Ratio)	1110402.16
5/10/2019 16:00:51	Continuing Calibration Verification	Y_R (360.074 nm)	0.48	0.98 (Ratio)	1110902.51
5/10/2019 16:00:51	Continuing Calibration Verification	Zn (213.857 nm)	0.22	0.9618 (ppm)	30285.7346
5/10/2019 16:04:10	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-55.9848
5/10/2019 16:04:10	Continuing Calibration Blank	Al (394.401 nm)	37.52	0.0161 (ppm)	625.8896
5/10/2019 16:04:10	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0011 u (ppm)	0.7724
5/10/2019 16:04:10	Continuing Calibration Blank	B (249.772 nm)	8.48	0.0021 (ppm)	177.9410
5/10/2019 16:04:10	Continuing Calibration Blank	Ba (230.424 nm)	19.38	0.0018 (ppm)	99.7532
5/10/2019 16:04:10	Continuing Calibration Blank	Be (313.107 nm)	31.84	0.0000 (ppm)	-230.2596
5/10/2019 16:04:10	Continuing Calibration Blank	Ca (227.547 nm)	56.66	0.1071 (ppm)	7.4287
5/10/2019 16:04:10	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.2387
5/10/2019 16:04:10	Continuing Calibration Blank	Co (230.786 nm)	35.86	0.0005 (ppm)	4.1798

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:04:10	Continuing Calibration Blank	Cr (267.716 nm)	7.67	0.0003 (ppm)	22.7276
5/10/2019 16:04:10	Continuing Calibration Blank	Cu (327.395 nm)	35.50	0.0002 (ppm)	33.4113
5/10/2019 16:04:10	Continuing Calibration Blank	Fe (234.350 nm)	23.21	0.0095 (ppm)	171.0218
5/10/2019 16:04:10	Continuing Calibration Blank	K (766.491 nm)	29.97	0.0310 (ppm)	130.0480
5/10/2019 16:04:10	Continuing Calibration Blank	Mg (279.078 nm)	36.94	0.0218 (ppm)	81.3215
5/10/2019 16:04:10	Continuing Calibration Blank	Mn (257.610 nm)	29.10	0.0002 (ppm)	114.4613
5/10/2019 16:04:10	Continuing Calibration Blank	Mo (202.032 nm)	9.16	0.0040 (ppm)	23.1127
5/10/2019 16:04:10	Continuing Calibration Blank	Na (588.995 nm)	2.82	0.0270 (ppm)	-7987.1700
5/10/2019 16:04:10	Continuing Calibration Blank	Ni (230.299 nm)	72.64	0.0002 (ppm)	-10.4623
5/10/2019 16:04:10	Continuing Calibration Blank	Pb (220.353 nm)	68.18	0.0008 (ppm)	2.4864
5/10/2019 16:04:10	Continuing Calibration Blank	Sb (217.582 nm)	40.53	0.0025 (ppm)	-0.2907
5/10/2019 16:04:10	Continuing Calibration Blank	Se (196.026 nm)	27.02	0.0055 (ppm)	2.0217
5/10/2019 16:04:10	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.7549
5/10/2019 16:04:10	Continuing Calibration Blank	Sr (216.596 nm)	9.38	0.0007 (ppm)	5.9726
5/10/2019 16:04:10	Continuing Calibration Blank	Ti (336.122 nm)	9.50	0.0017 (ppm)	300.2637
5/10/2019 16:04:10	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	-0.0012 u (ppm)	-4.2417
5/10/2019 16:04:10	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0003 u (ppm)	56.0341
5/10/2019 16:04:10	Continuing Calibration Blank	Y (360.074 nm)	0.28	1.01 (Ratio)	1149126.08
5/10/2019 16:04:10	Continuing Calibration Blank	Y_R (360.074 nm)	0.28	1.01 (Ratio)	1149979.20
5/10/2019 16:04:10	Continuing Calibration Blank	Zn (213.857 nm)	68.37	0.0001 (ppm)	-4.6043
5/10/2019 16:08:01	PBW-336204	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-61.2188
5/10/2019 16:08:01	PBW-336204	Al (384.401 nm)	54.62	0.0035 (ppm)	422.3051
5/10/2019 16:08:01	PBW-336204	As (188.980 nm)	> 100.00	0.0014 u (ppm)	1.0057
5/10/2019 16:08:01	PBW-336204	B (249.772 nm)	80.65	-0.0003 u (ppm)	90.1993
5/10/2019 16:08:01	PBW-336204	Ba (230.424 nm)	27.37	0.0003 (ppm)	33.9006
5/10/2019 16:08:01	PBW-336204	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-294.7957
5/10/2019 16:08:01	PBW-336204	Ca (227.547 nm)	> 100.00	0.0601 u (ppm)	4.7426
5/10/2019 16:08:01	PBW-336204	Cd (214.439 nm)	49.32	-0.0002 u (ppm)	4.7207
5/10/2019 16:08:01	PBW-336204	Co (230.786 nm)	52.28	0.0000 (ppm)	-1.7618
5/10/2019 16:08:01	PBW-336204	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.4937
5/10/2019 16:08:01	PBW-336204	Cu (327.395 nm)	24.81	0.0006 (ppm)	60.3612
5/10/2019 16:08:01	PBW-336204	Fe (234.350 nm)	18.87	0.0040 (ppm)	114.0984
5/10/2019 16:08:01	PBW-336204	K (766.491 nm)	1.47	0.3001 (ppm)	1018.7970
5/10/2019 16:08:01	PBW-336204	Mg (279.078 nm)	> 100.00	0.0008 u (ppm)	36.2403
5/10/2019 16:08:01	PBW-336204	Mn (257.610 nm)	19.49	0.0001 (ppm)	70.4911
5/10/2019 16:08:01	PBW-336204	Mo (202.032 nm)	5.04	0.0012 (ppm)	7.9822
5/10/2019 16:08:01	PBW-336204	Na (588.995 nm)	1.56	0.0716 (ppm)	-6124.1522
5/10/2019 16:08:01	PBW-336204	Ni (230.299 nm)	> 100.00	0.0005 u (ppm)	-7.4699
5/10/2019 16:08:01	PBW-336204	Pb (220.353 nm)	> 100.00	0.0003 u (ppm)	1.1049
5/10/2019 16:08:01	PBW-336204	Sb (217.582 nm)	21.47	0.0033 (ppm)	0.6424
5/10/2019 16:08:01	PBW-336204	Se (196.026 nm)	36.11	0.0050 (ppm)	1.7828
5/10/2019 16:08:01	PBW-336204	Sn (189.925 nm)	83.45	0.0010 (ppm)	-0.1699
5/10/2019 16:08:01	PBW-336204	Sr (216.596 nm)	89.74	0.0002 (ppm)	0.9950
5/10/2019 16:08:01	PBW-336204	Ti (336.122 nm)	3.79	0.0012 (ppm)	183.6243
5/10/2019 16:08:01	PBW-336204	Tl (351.923 nm)	> 100.00	0.0008 u (ppm)	1.3106
5/10/2019 16:08:01	PBW-336204	V (292.401 nm)	49.00	-0.0003 u (ppm)	40.1999
5/10/2019 16:08:01	PBW-336204	Y (360.074 nm)	0.50	1.04 (Ratio)	1181362.66
5/10/2019 16:08:01	PBW-336204	Y_R (360.074 nm)	0.49	1.04 (Ratio)	1182290.95
5/10/2019 16:08:01	PBW-336204	Zn (213.857 nm)	0.92	0.0075 (ppm)	227.5335
5/10/2019 16:11:21	FBLK-336204	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.6914
5/10/2019 16:11:21	FBLK-336204	Al (384.401 nm)	81.92	-0.0030 u (ppm)	318.5753

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:11:21	FBLK-336204	As (188.980 nm)	> 100.00	0.0008 u (ppm)	0.6429
5/10/2019 16:11:21	FBLK-336204	B (249.772 nm)	3.24	0.0072 (ppm)	369.6745
5/10/2019 16:11:21	FBLK-336204	Ba (230.424 nm)	12.40	0.0015 (ppm)	87.0284
5/10/2019 16:11:21	FBLK-336204	Be (313.107 nm)	36.89	0.0000 u (ppm)	-299.8760
5/10/2019 16:11:21	FBLK-336204	Ca (227.547 nm)	24.87	0.2322 (ppm)	14.5753
5/10/2019 16:11:21	FBLK-336204	Cd (214.439 nm)	49.62	-0.0001 u (ppm)	6.4498
5/10/2019 16:11:21	FBLK-336204	Co (230.786 nm)	> 100.00	0.0001 (ppm)	-0.7662
5/10/2019 16:11:21	FBLK-336204	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.0937
5/10/2019 16:11:21	FBLK-336204	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	22.8407
5/10/2019 16:11:21	FBLK-336204	Fe (234.350 nm)	90.83	0.0008 u (ppm)	81.1347
5/10/2019 16:11:21	FBLK-336204	K (766.491 nm)	15.39	0.0273 (ppm)	117.6789
5/10/2019 16:11:21	FBLK-336204	Mg (279.078 nm)	9.22	0.0326 (ppm)	104.3562
5/10/2019 16:11:21	FBLK-336204	Mn (257.610 nm)	12.30	0.0001 (ppm)	88.5679
5/10/2019 16:11:21	FBLK-336204	Mo (202.032 nm)	> 100.00	0.0004 (ppm)	3.9125
5/10/2019 16:11:21	FBLK-336204	Na (588.995 nm)	0.62	0.1966 (ppm)	-905.4960
5/10/2019 16:11:21	FBLK-336204	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.0471
5/10/2019 16:11:21	FBLK-336204	Pb (220.353 nm)	> 100.00	0.0003 (ppm)	1.3636
5/10/2019 16:11:21	FBLK-336204	Sb (217.582 nm)	96.08	0.0018 u (ppm)	-1.0455
5/10/2019 16:11:21	FBLK-336204	Se (196.026 nm)	> 100.00	0.0039 u (ppm)	1.3038
5/10/2019 16:11:21	FBLK-336204	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.6062
5/10/2019 16:11:21	FBLK-336204	Sr (216.596 nm)	16.35	0.0007 (ppm)	5.3360
5/10/2019 16:11:21	FBLK-336204	Ti (336.122 nm)	16.10	0.0004 (ppm)	-6.3212
5/10/2019 16:11:21	FBLK-336204	Ti (351.923 nm)	> 100.00	0.0002 u (ppm)	-0.3131
5/10/2019 16:11:21	FBLK-336204	V (292.401 nm)	18.25	-0.0002 u (ppm)	40.7945
5/10/2019 16:11:21	FBLK-336204	Y (360.074 nm)	0.33	1.02 (Ratio)	1161477.41
5/10/2019 16:11:21	FBLK-336204	Y_R (360.074 nm)	0.33	1.02 (Ratio)	1162439.53
5/10/2019 16:11:21	FBLK-336204	Zn (213.857 nm)	1.07	0.0097 (ppm)	297.4818
5/10/2019 16:14:41	LCSW-336204	Ag (328.068 nm)	0.25	0.0509 (ppm)	3220.1204
5/10/2019 16:14:41	LCSW-336204	Al (394.401 nm)	0.34	1.9001 (ppm)	31008.5348
5/10/2019 16:14:41	LCSW-336204	As (188.980 nm)	6.58	0.0370 (ppm)	22.4871
5/10/2019 16:14:41	LCSW-336204	B (249.772 nm)	0.25	1.0069 (ppm)	37635.5289
5/10/2019 16:14:41	LCSW-336204	Ba (230.424 nm)	0.56	2.0908 (ppm)	94638.5787
5/10/2019 16:14:41	LCSW-336204	Be (313.107 nm)	0.27	0.0503 (ppm)	62872.4678
5/10/2019 16:14:41	LCSW-336204	Ca (227.547 nm)	2.44	2.0029 (ppm)	115.7590
5/10/2019 16:14:41	LCSW-336204	Cd (214.439 nm)	0.06	0.0512 (ppm)	1021.7409
5/10/2019 16:14:41	LCSW-336204	Co (230.786 nm)	0.44	0.5232 (ppm)	6210.6752
5/10/2019 16:14:41	LCSW-336204	Cr (267.716 nm)	0.30	0.2049 (ppm)	8000.8772
5/10/2019 16:14:41	LCSW-336204	Cu (327.395 nm)	0.24	0.2508 (ppm)	15225.5562
5/10/2019 16:14:41	LCSW-336204	Fe (234.350 nm)	0.39	0.9945 (ppm)	10343.6538
5/10/2019 16:14:41	LCSW-336204	K (766.491 nm)	0.15	19.8767 (ppm)	65669.8108
5/10/2019 16:14:41	LCSW-336204	Mg (279.078 nm)	0.41	2.0231 (ppm)	4369.5476
5/10/2019 16:14:41	LCSW-336204	Mn (257.610 nm)	0.36	0.5061 (ppm)	151869.9119
5/10/2019 16:14:41	LCSW-336204	Mo (202.032 nm)	0.87	0.4979 (ppm)	2674.6096
5/10/2019 16:14:41	LCSW-336204	Na (588.995 nm)	0.27	20.0786 (ppm)	829482.9990
5/10/2019 16:14:41	LCSW-336204	Ni (230.299 nm)	0.28	0.5096 (ppm)	4840.2373
5/10/2019 16:14:41	LCSW-336204	Pb (220.353 nm)	0.33	0.5207 (ppm)	1419.2173
5/10/2019 16:14:41	LCSW-336204	Sb (217.582 nm)	0.44	0.4838 (ppm)	517.8599
5/10/2019 16:14:41	LCSW-336204	Se (196.026 nm)	0.32	1.0430 (ppm)	458.1575
5/10/2019 16:14:41	LCSW-336204	Sn (189.925 nm)	0.73	5.0476 (ppm)	3456.1856
5/10/2019 16:14:41	LCSW-336204	Sr (216.596 nm)	0.35	2.0488 (ppm)	19751.5151
5/10/2019 16:14:41	LCSW-336204	Ti (336.122 nm)	0.32	0.5091 (ppm)	119629.5173

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:14:41	LCSW-336204	Tl (351.923 nm)	0.38	1.9646 (ppm)	5505.4909
5/10/2019 16:14:41	LCSW-336204	V (292.401 nm)	0.44	0.5000 (ppm)	15077.0718
5/10/2019 16:14:41	LCSW-336204	Y (360.074 nm)	0.45	1.01 (Ratio)	1146063.74
5/10/2019 16:14:41	LCSW-336204	Y_R (360.074 nm)	0.46	1.01 (Ratio)	1146761.68
5/10/2019 16:14:41	LCSW-336204	Zn (213.857 nm)	0.30	0.5244 (ppm)	16507.7251
5/10/2019 16:18:01	R1904038-002	Ag (328.068 nm)	0.02	0.0915 (ppm)	5836.9188
5/10/2019 16:18:01	R1904038-002	Al (394.401 nm)	0.12	27.0630 o (ppm)	436802.7806
5/10/2019 16:18:01	R1904038-002	As (188.980 nm)	1.68	0.1256 (ppm) †	75.9506
5/10/2019 16:18:01	R1904038-002	B (249.772 nm)	0.04	9.1995 o (ppm)	343024.2837
5/10/2019 16:18:01	R1904038-002	Ba (230.424 nm)	0.28	1.6844 (ppm)	76243.5877
5/10/2019 16:18:01	R1904038-002	Be (313.107 nm)	1.08	0.0005 (ppm)	386.7591
5/10/2019 16:18:01	R1904038-002	Ca (227.547 nm)	0.17	302.3585 o (ppm)	17278.8954
5/10/2019 16:18:01	R1904038-002	Cd (214.439 nm)	2.63	0.0048 (ppm)	104.5557
5/10/2019 16:18:01	R1904038-002	Co (230.786 nm)	0.73	0.0556 (ppm)	657.5450
5/10/2019 16:18:01	R1904038-002	Cr (267.716 nm)	0.16	0.2286 (ppm)	8925.1434
5/10/2019 16:18:01	R1904038-002	Cu (327.395 nm)	0.21	2.7578 o (ppm)	167205.4560
5/10/2019 16:18:01	R1904038-002	Fe (234.350 nm)	0.07	35.5584 o (ppm)	367324.0572
5/10/2019 16:18:01	R1904038-002	K (766.491 nm)	0.07	398.4069 o (ppm)	1315755.3000
5/10/2019 16:18:01	R1904038-002	Mg (279.078 nm)	0.02	94.9921 o (ppm)	203577.1836
5/10/2019 16:18:01	R1904038-002	Mn (257.610 nm)	0.09	1.6756 o (ppm)	502741.0533
5/10/2019 16:18:01	R1904038-002	Mo (202.032 nm)	2.65	0.0341 (ppm)	184.9593
5/10/2019 16:18:01	R1904038-002	Na (588.995 nm)	N/A	### (ppm)	###
5/10/2019 16:18:01	R1904038-002	Ni (230.299 nm)	1.00	0.1056 (ppm)	993.7210
5/10/2019 16:18:01	R1904038-002	Pb (220.353 nm)	0.90	0.1671 (ppm)	455.8066
5/10/2019 16:18:01	R1904038-002	Sb (217.582 nm)	6.24	0.0214 (ppm)	20.1363
5/10/2019 16:18:01	R1904038-002	Se (196.026 nm)	> 100.00	0.0062 u (ppm)	2.3258
5/10/2019 16:18:01	R1904038-002	Sn (189.925 nm)	2.18	0.1540 (ppm)	104.6048
5/10/2019 16:18:01	R1904038-002	Sr (216.596 nm)	0.29	1.9799 (ppm)	19087.1445
5/10/2019 16:18:01	R1904038-002	Ti (336.122 nm)	0.06	0.3016 (ppm)	70828.8226
5/10/2019 16:18:01	R1904038-002	Tl (351.923 nm)	23.90	0.0086 (ppm)	23.1091
5/10/2019 16:18:01	R1904038-002	V (292.401 nm)	0.33	0.0562 (ppm)	1738.3922
5/10/2019 16:18:01	R1904038-002	Y (360.074 nm)	0.52	0.81 (Ratio)	915867.13
5/10/2019 16:18:01	R1904038-002	Y_R (360.074 nm)	0.51	0.81 (Ratio)	916121.72
5/10/2019 16:18:01	R1904038-002	Zn (213.857 nm)	0.70	4.2335 o (ppm)	133336.6397
5/10/2019 16:21:20	R1903829-008 10X	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-58.4930
5/10/2019 16:21:20	R1903829-008 10X	Al (394.401 nm)	28.63	0.0236 (ppm)	747.8432
5/10/2019 16:21:20	R1903829-008 10X	As (188.980 nm)	> 100.00	0.0014 u (ppm)	0.9963
5/10/2019 16:21:20	R1903829-008 10X	B (249.772 nm)	4.54	0.0103 (ppm)	485.0381
5/10/2019 16:21:20	R1903829-008 10X	Ba (230.424 nm)	1.65	0.0195 (ppm)	904.2794
5/10/2019 16:21:20	R1903829-008 10X	Be (313.107 nm)	50.59	0.0000 (ppm)	-255.8222
5/10/2019 16:21:20	R1903829-008 10X	Ca (227.547 nm)	0.71	11.7692 (ppm)	673.8307
5/10/2019 16:21:20	R1903829-008 10X	Cd (214.439 nm)	47.35	0.0000 (ppm)	9.4446
5/10/2019 16:21:20	R1903829-008 10X	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-0.7376
5/10/2019 16:21:20	R1903829-008 10X	Cr (267.716 nm)	73.20	0.0001 (ppm)	17.3643
5/10/2019 16:21:20	R1903829-008 10X	Cu (327.395 nm)	29.04	0.0004 (ppm)	45.0248
5/10/2019 16:21:20	R1903829-008 10X	Fe (234.350 nm)	0.42	0.0509 (ppm)	598.6133
5/10/2019 16:21:20	R1903829-008 10X	K (766.491 nm)	4.84	0.5202 (ppm)	1745.7372
5/10/2019 16:21:20	R1903829-008 10X	Mg (279.078 nm)	0.15	5.2776 (ppm)	11343.0744
5/10/2019 16:21:20	R1903829-008 10X	Mn (257.610 nm)	0.32	0.0337 (ppm)	10146.9990
5/10/2019 16:21:20	R1903829-008 10X	Mo (202.032 nm)	98.93	0.0006 (ppm)	4.8342
5/10/2019 16:21:20	R1903829-008 10X	Na (588.995 nm)	0.48	21.2682 (ppm)	879168.7957

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:21:20	R1903829-008 10X	Ni (230.299 nm)	72.10	-0.0004 u (ppm)	-15.6126
5/10/2019 16:21:20	R1903829-008 10X	Pb (220.353 nm)	> 100.00	0.0005 u (ppm)	1.6707
5/10/2019 16:21:20	R1903829-008 10X	Sb (217.582 nm)	43.30	0.0031 (ppm)	0.3686
5/10/2019 16:21:20	R1903829-008 10X	Se (196.026 nm)	> 100.00	-0.0001 u (ppm)	-0.4401
5/10/2019 16:21:20	R1903829-008 10X	Sn (189.925 nm)	91.80	0.0022 (ppm)	0.5940
5/10/2019 16:21:20	R1903829-008 10X	Sr (216.596 nm)	1.39	0.0425 (ppm)	408.6223
5/10/2019 16:21:20	R1903829-008 10X	Ti (336.122 nm)	2.93	0.0009 (ppm)	107.0673
5/10/2019 16:21:20	R1903829-008 10X	Tl (351.923 nm)	> 100.00	0.0000 u (ppm)	-0.8439
5/10/2019 16:21:20	R1903829-008 10X	V (292.401 nm)	> 100.00	-0.0002 u (ppm)	42.8589
5/10/2019 16:21:20	R1903829-008 10X	Y (360.074 nm)	0.34	1.00 (Ratio)	1132131.78
5/10/2019 16:21:20	R1903829-008 10X	Y_R (360.074 nm)	0.33	1.00 (Ratio)	1133076.02
5/10/2019 16:21:20	R1903829-008 10X	Zn (213.857 nm)	6.61	0.0008 (ppm)	17.8624
5/10/2019 16:24:40	R1903829-008S 10X	Ag (328.068 nm)	1.40	0.0049 (ppm)	258.1665
5/10/2019 16:24:40	R1903829-008S 10X	Al (394.401 nm)	1.88	0.2082 (ppm)	3724.0727
5/10/2019 16:24:40	R1903829-008S 10X	As (188.980 nm)	77.52	0.0038 (ppm)	2.4285
5/10/2019 16:24:40	R1903829-008S 10X	B (249.772 nm)	0.07	0.1030 (ppm)	3938.5244
5/10/2019 16:24:40	R1903829-008S 10X	Ba (230.424 nm)	0.28	0.2256 (ppm)	10226.9872
5/10/2019 16:24:40	R1903829-008S 10X	Be (313.107 nm)	0.57	0.0050 (ppm)	5943.8571
5/10/2019 16:24:40	R1903829-008S 10X	Ca (227.547 nm)	0.33	11.7034 (ppm)	670.0714
5/10/2019 16:24:40	R1903829-008S 10X	Cd (214.439 nm)	3.76	0.0049 (ppm)	105.8821
5/10/2019 16:24:40	R1903829-008S 10X	Co (230.786 nm)	1.33	0.0515 (ppm)	609.0778
5/10/2019 16:24:40	R1903829-008S 10X	Cr (267.716 nm)	1.01	0.0204 (ppm)	806.4460
5/10/2019 16:24:40	R1903829-008S 10X	Cu (327.395 nm)	0.58	0.0243 (ppm)	1496.6323
5/10/2019 16:24:40	R1903829-008S 10X	Fe (234.350 nm)	1.77	0.1420 (ppm)	1539.0103
5/10/2019 16:24:40	R1903829-008S 10X	K (766.491 nm)	0.52	2.3665 (ppm)	7842.8882
5/10/2019 16:24:40	R1903829-008S 10X	Mg (279.078 nm)	0.35	5.3770 (ppm)	11555.9962
5/10/2019 16:24:40	R1903829-008S 10X	Mn (257.610 nm)	0.22	0.0836 (ppm)	25113.9538
5/10/2019 16:24:40	R1903829-008S 10X	Mo (202.032 nm)	0.64	0.0501 (ppm)	270.6465
5/10/2019 16:24:40	R1903829-008S 10X	Na (588.995 nm)	0.23	22.6285 (ppm)	935980.1441
5/10/2019 16:24:40	R1903829-008S 10X	Ni (230.299 nm)	0.57	0.0499 (ppm)	463.0194
5/10/2019 16:24:40	R1903829-008S 10X	Pb (220.353 nm)	2.16	0.0519 (ppm)	141.7897
5/10/2019 16:24:40	R1903829-008S 10X	Sb (217.582 nm)	4.24	0.0503 (ppm)	51.2386
5/10/2019 16:24:40	R1903829-008S 10X	Se (196.026 nm)	4.53	0.0972 (ppm)	42.3226
5/10/2019 16:24:40	R1903829-008S 10X	Sn (189.925 nm)	1.44	0.5075 (ppm)	346.6821
5/10/2019 16:24:40	R1903829-008S 10X	Sr (216.596 nm)	0.40	0.2429 (ppm)	2340.9872
5/10/2019 16:24:40	R1903829-008S 10X	Ti (336.122 nm)	0.29	0.0511 (ppm)	11911.7346
5/10/2019 16:24:40	R1903829-008S 10X	Tl (351.923 nm)	1.34	0.1909 (ppm)	534.2106
5/10/2019 16:24:40	R1903829-008S 10X	V (292.401 nm)	0.36	0.0496 (ppm)	1539.0284
5/10/2019 16:24:40	R1903829-008S 10X	Y (360.074 nm)	0.48	0.99 (Ratio)	1128105.42
5/10/2019 16:24:40	R1903829-008S 10X	Y_R (360.074 nm)	0.48	0.99 (Ratio)	1129087.04
5/10/2019 16:24:40	R1903829-008S 10X	Zn (213.857 nm)	0.55	0.0491 (ppm)	1537.0388
5/10/2019 16:27:59	R1903829-008SD 10X	Ag (328.068 nm)	1.52	0.0047 (ppm)	246.9518
5/10/2019 16:27:59	R1903829-008SD 10X	Al (394.401 nm)	1.85	0.1966 (ppm)	3537.3027
5/10/2019 16:27:59	R1903829-008SD 10X	As (188.980 nm)	39.31	0.0044 (ppm)	2.7644
5/10/2019 16:27:59	R1903829-008SD 10X	B (249.772 nm)	0.25	0.1004 (ppm)	3844.3531
5/10/2019 16:27:59	R1903829-008SD 10X	Ba (230.424 nm)	0.78	0.2209 (ppm)	10016.5634
5/10/2019 16:27:59	R1903829-008SD 10X	Be (313.107 nm)	0.49	0.0049 (ppm)	5811.8975
5/10/2019 16:27:59	R1903829-008SD 10X	Ca (227.547 nm)	0.36	11.6244 (ppm)	665.5567
5/10/2019 16:27:59	R1903829-008SD 10X	Cd (214.439 nm)	2.02	0.0049 (ppm)	104.8318
5/10/2019 16:27:59	R1903829-008SD 10X	Co (230.786 nm)	0.61	0.0506 (ppm)	598.8870
5/10/2019 16:27:59	R1903829-008SD 10X	Cr (267.716 nm)	0.88	0.0201 (ppm)	794.6904

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:27:59	R1903829-008SD 10X	Cu (327.395 nm)	0.42	0.0237 (ppm)	1462.4590
5/10/2019 16:27:59	R1903829-008SD 10X	Fe (234.350 nm)	1.44	0.1348 (ppm)	1465.4823
5/10/2019 16:27:59	R1903829-008SD 10X	K (766.491 nm)	0.33	2.3014 (ppm)	7628.0093
5/10/2019 16:27:59	R1903829-008SD 10X	Mg (279.078 nm)	0.19	5.3115 (ppm)	11415.6658
5/10/2019 16:27:59	R1903829-008SD 10X	Mn (257.610 nm)	0.16	0.0822 (ppm)	24717.2774
5/10/2019 16:27:59	R1903829-008SD 10X	Mo (202.032 nm)	0.73	0.0488 (ppm)	263.6132
5/10/2019 16:27:59	R1903829-008SD 10X	Na (588.995 nm)	0.13	22.4628 (ppm)	929063.1273
5/10/2019 16:27:59	R1903829-008SD 10X	Ni (230.299 nm)	1.56	0.0487 (ppm)	451.8660
5/10/2019 16:27:59	R1903829-008SD 10X	Pb (220.353 nm)	1.48	0.0496 (ppm)	135.5157
5/10/2019 16:27:59	R1903829-008SD 10X	Sb (217.582 nm)	5.24	0.0501 (ppm)	50.9591
5/10/2019 16:27:59	R1903829-008SD 10X	Se (196.026 nm)	5.43	0.0987 (ppm)	42.9767
5/10/2019 16:27:59	R1903829-008SD 10X	Sn (189.925 nm)	0.75	0.4925 (ppm)	336.4334
5/10/2019 16:27:59	R1903829-008SD 10X	Sr (216.596 nm)	0.73	0.2390 (ppm)	2303.3151
5/10/2019 16:27:59	R1903829-008SD 10X	Ti (336.122 nm)	0.14	0.0499 (ppm)	11640.4180
5/10/2019 16:27:59	R1903829-008SD 10X	Ti (351.923 nm)	1.48	0.1864 (ppm)	521.4931
5/10/2019 16:27:59	R1903829-008SD 10X	V (292.401 nm)	0.66	0.0485 (ppm)	1506.1144
5/10/2019 16:27:59	R1903829-008SD 10X	Y (360.074 nm)	0.52	0.99 (Ratio)	1129398.17
5/10/2019 16:27:59	R1903829-008SD 10X	Y_R (360.074 nm)	0.52	0.99 (Ratio)	1130437.55
5/10/2019 16:27:59	R1903829-008SD 10X	Zn (213.857 nm)	0.14	0.0479 (ppm)	1500.2164
5/10/2019 16:31:19	R1903829-008A 10X	Ag (328.068 nm)	0.33	0.0480 (ppm)	3032.6064
5/10/2019 16:31:19	R1903829-008A 10X	Al (394.401 nm)	0.16	1.8236 (ppm)	29775.7815
5/10/2019 16:31:19	R1903829-008A 10X	As (188.980 nm)	12.76	0.0370 (ppm)	22.4758
5/10/2019 16:31:19	R1903829-008A 10X	B (249.772 nm)	0.13	0.9547 (ppm)	35688.8151
5/10/2019 16:31:19	R1903829-008A 10X	Ba (230.424 nm)	0.54	1.9995 (ppm)	90503.9826
5/10/2019 16:31:19	R1903829-008A 10X	Be (313.107 nm)	0.03	0.0478 (ppm)	59703.2184
5/10/2019 16:31:19	R1903829-008A 10X	Ca (227.547 nm)	0.24	13.2656 (ppm)	759.3364
5/10/2019 16:31:19	R1903829-008A 10X	Cd (214.439 nm)	0.33	0.0483 (ppm)	963.4375
5/10/2019 16:31:19	R1903829-008A 10X	Co (230.786 nm)	0.10	0.4947 (ppm)	5872.2459
5/10/2019 16:31:19	R1903829-008A 10X	Cr (267.716 nm)	0.17	0.1959 (ppm)	7653.1087
5/10/2019 16:31:19	R1903829-008A 10X	Cu (327.395 nm)	0.13	0.2366 (ppm)	14366.3301
5/10/2019 16:31:19	R1903829-008A 10X	Fe (234.350 nm)	0.18	0.9780 (ppm)	10173.7206
5/10/2019 16:31:19	R1903829-008A 10X	K (766.491 nm)	0.21	19.1183 (ppm)	63165.4769
5/10/2019 16:31:19	R1903829-008A 10X	Mg (279.078 nm)	0.11	6.9452 (ppm)	14916.2824
5/10/2019 16:31:19	R1903829-008A 10X	Mn (257.610 nm)	0.03	0.5140 (ppm)	154242.7464
5/10/2019 16:31:19	R1903829-008A 10X	Mo (202.032 nm)	0.26	0.4761 (ppm)	2557.3267
5/10/2019 16:31:19	R1903829-008A 10X	Na (588.995 nm)	0.26	38.6832 (ppm)	1606519.4182
5/10/2019 16:31:19	R1903829-008A 10X	Ni (230.299 nm)	0.24	0.4825 (ppm)	4582.0434
5/10/2019 16:31:19	R1903829-008A 10X	Pb (220.353 nm)	0.23	0.4880 (ppm)	1330.0838
5/10/2019 16:31:19	R1903829-008A 10X	Sb (217.582 nm)	0.53	0.4539 (ppm)	485.6743
5/10/2019 16:31:19	R1903829-008A 10X	Se (196.026 nm)	0.43	1.0328 (ppm)	453.6963
5/10/2019 16:31:19	R1903829-008A 10X	Sn (189.925 nm)	0.49	4.8671 (ppm)	3332.5740
5/10/2019 16:31:19	R1903829-008A 10X	Sr (216.596 nm)	0.40	2.1088 (ppm)	20329.8343
5/10/2019 16:31:19	R1903829-008A 10X	Ti (336.122 nm)	0.17	0.4827 (ppm)	113419.4982
5/10/2019 16:31:19	R1903829-008A 10X	Ti (351.923 nm)	0.22	1.8693 (ppm)	5238.4947
5/10/2019 16:31:19	R1903829-008A 10X	V (292.401 nm)	0.06	0.4801 (ppm)	14478.0656
5/10/2019 16:31:19	R1903829-008A 10X	Y (360.074 nm)	0.57	0.98 (Ratio)	1119002.09
5/10/2019 16:31:19	R1903829-008A 10X	Y_R (360.074 nm)	0.57	0.99 (Ratio)	1120004.68
5/10/2019 16:31:19	R1903829-008A 10X	Zn (213.857 nm)	0.31	0.4733 (ppm)	14898.2561
5/10/2019 16:34:39	R1903829-008L 10X	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-63.2372
5/10/2019 16:34:39	R1903829-008L 10X	Al (394.401 nm)	> 100.00	0.0002 u (ppm)	370.3814
5/10/2019 16:34:39	R1903829-008L 10X	As (188.980 nm)	66.04	-0.0017 u (ppm)	-0.8753

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:34:39	R1903829-008L 10X	B (249.772 nm)	1.25	0.0013 (ppm)	150.1314
5/10/2019 16:34:39	R1903829-008L 10X	Ba (230.424 nm)	4.30	0.0041 (ppm)	205.6123
5/10/2019 16:34:39	R1903829-008L 10X	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-292.5337
5/10/2019 16:34:39	R1903829-008L 10X	Ca (227.547 nm)	1.44	2.2739 (ppm)	131.2461
5/10/2019 16:34:39	R1903829-008L 10X	Cd (214.439 nm)	4.20	-0.0001 u (ppm)	6.7683
5/10/2019 16:34:39	R1903829-008L 10X	Co (230.786 nm)	86.15	0.0001 (ppm)	-1.5528
5/10/2019 16:34:39	R1903829-008L 10X	Cr (267.716 nm)	> 100.00	0.0001 u (ppm)	14.8562
5/10/2019 16:34:39	R1903829-008L 10X	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	18.0960
5/10/2019 16:34:39	R1903829-008L 10X	Fe (234.350 nm)	7.50	0.0084 (ppm)	159.1841
5/10/2019 16:34:39	R1903829-008L 10X	K (766.491 nm)	10.48	0.1129 (ppm)	400.5308
5/10/2019 16:34:39	R1903829-008L 10X	Mg (279.078 nm)	0.47	1.0286 (ppm)	2238.5370
5/10/2019 16:34:39	R1903829-008L 10X	Mn (257.610 nm)	0.45	0.0068 (ppm)	2089.0910
5/10/2019 16:34:39	R1903829-008L 10X	Mo (202.032 nm)	32.55	0.0012 (ppm)	8.0551
5/10/2019 16:34:39	R1903829-008L 10X	Na (588.995 nm)	0.27	4.2397 (ppm)	167957.3264
5/10/2019 16:34:39	R1903829-008L 10X	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-12.7357
5/10/2019 16:34:39	R1903829-008L 10X	Pb (220.353 nm)	27.68	0.0013 (ppm)	3.9339
5/10/2019 16:34:39	R1903829-008L 10X	Sb (217.582 nm)	48.26	0.0033 (ppm)	0.6704
5/10/2019 16:34:39	R1903829-008L 10X	Se (196.026 nm)	59.72	0.0033 (ppm)	1.0420
5/10/2019 16:34:39	R1903829-008L 10X	Sn (189.925 nm)	85.06	-0.0019 u (ppm)	-2.1677
5/10/2019 16:34:39	R1903829-008L 10X	Sr (216.596 nm)	4.49	0.0086 (ppm)	81.7913
5/10/2019 16:34:39	R1903829-008L 10X	Ti (336.122 nm)	12.77	0.0005 (ppm)	22.1661
5/10/2019 16:34:39	R1903829-008L 10X	Tl (351.923 nm)	62.32	0.0022 (ppm)	5.3299
5/10/2019 16:34:39	R1903829-008L 10X	V (292.401 nm)	45.71	-0.0002 u (ppm)	42.3392
5/10/2019 16:34:39	R1903829-008L 10X	Y (360.074 nm)	0.36	1.01 (Ratio)	1148361.69
5/10/2019 16:34:39	R1903829-008L 10X	Y_R (360.074 nm)	0.36	1.01 (Ratio)	1149458.38
5/10/2019 16:34:39	R1903829-008L 10X	Zn (213.857 nm)	12.81	0.0014 (ppm)	35.2229
5/10/2019 16:37:59	R1904038-002 10X	Ag (328.068 nm)	1.08	0.0081 (ppm)	462.3058
5/10/2019 16:37:59	R1904038-002 10X	Al (394.401 nm)	0.24	2.3353 (ppm)	38027.3491
5/10/2019 16:37:59	R1904038-002 10X	As (188.980 nm)	28.49	0.0093 (ppm)	5.7657
5/10/2019 16:37:59	R1904038-002 10X	B (249.772 nm)	0.15	0.8607 (ppm)	32185.1085
5/10/2019 16:37:59	R1904038-002 10X	Ba (230.424 nm)	0.75	0.1751 (ppm)	7944.2471
5/10/2019 16:37:59	R1904038-002 10X	Be (313.107 nm)	21.83	0.0000 (ppm)	-238.7511
5/10/2019 16:37:59	R1904038-002 10X	Ca (227.547 nm)	0.47	26.9083 (ppm)	1538.9178
5/10/2019 16:37:59	R1904038-002 10X	Cd (214.439 nm)	6.40	0.0003 (ppm)	14.9344
5/10/2019 16:37:59	R1904038-002 10X	Co (230.786 nm)	3.22	0.0058 (ppm)	66.5371
5/10/2019 16:37:59	R1904038-002 10X	Cr (267.716 nm)	0.86	0.0238 (ppm)	940.3152
5/10/2019 16:37:59	R1904038-002 10X	Cu (327.395 nm)	0.15	0.2537 (ppm)	15400.2367
5/10/2019 16:37:59	R1904038-002 10X	Fe (234.350 nm)	0.17	3.8099 (ppm)	39422.2132
5/10/2019 16:37:59	R1904038-002 10X	K (766.491 nm)	0.07	37.0980 (ppm)	122542.6650
5/10/2019 16:37:59	R1904038-002 10X	Mg (279.078 nm)	0.12	9.9103 (ppm)	21269.5548
5/10/2019 16:37:59	R1904038-002 10X	Mn (257.610 nm)	0.16	0.1751 (ppm)	52583.2741
5/10/2019 16:37:59	R1904038-002 10X	Mo (202.032 nm)	11.46	0.0038 (ppm)	22.3059
5/10/2019 16:37:59	R1904038-002 10X	Na (588.995 nm)	0.01	142.1956 o (ppm)	5929798.9276
5/10/2019 16:37:59	R1904038-002 10X	Ni (230.299 nm)	8.08	0.0125 (ppm)	106.5623
5/10/2019 16:37:59	R1904038-002 10X	Pb (220.353 nm)	6.91	0.0181 (ppm)	49.7988
5/10/2019 16:37:59	R1904038-002 10X	Sb (217.582 nm)	> 100.00	0.0026 (ppm)	-0.1584
5/10/2019 16:37:59	R1904038-002 10X	Se (196.026 nm)	> 100.00	-0.0016 u (ppm)	-1.1076
5/10/2019 16:37:59	R1904038-002 10X	Sn (189.925 nm)	5.77	0.0162 (ppm)	10.2050
5/10/2019 16:37:59	R1904038-002 10X	Sr (216.596 nm)	0.38	0.2114 (ppm)	2036.9111
5/10/2019 16:37:59	R1904038-002 10X	Ti (336.122 nm)	0.33	0.0305 (ppm)	7063.7223
5/10/2019 16:37:59	R1904038-002 10X	Tl (351.923 nm)	55.54	0.0023 (ppm)	5.5530

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:37:59	R1904038-002 10X	V (292.401 nm)	5.92	0.0054 (ppm)	210.5992
5/10/2019 16:37:59	R1904038-002 10X	Y (360.074 nm)	0.49	0.96 (Ratio)	1087659.66
5/10/2019 16:37:59	R1904038-002 10X	Y_R (360.074 nm)	0.49	0.96 (Ratio)	1088414.11
5/10/2019 16:37:59	R1904038-002 10X	Zn (213.857 nm)	0.70	0.4061 (ppm)	12781.9594
5/10/2019 16:41:19	Continuing Calibration Verification	Ag (328.068 nm)	0.06	0.4937 (ppm)	31756.9483
5/10/2019 16:41:19	Continuing Calibration Verification	Al (394.401 nm)	0.37	9.5026 (ppm)	153612.0229
5/10/2019 16:41:19	Continuing Calibration Verification	As (188.980 nm)	0.70	0.9703 (ppm)	585.7442
5/10/2019 16:41:19	Continuing Calibration Verification	B (249.772 nm)	0.16	2.4060 (ppm)	89786.0219
5/10/2019 16:41:19	Continuing Calibration Verification	Ba (230.424 nm)	0.41	10.1596 (ppm)	459782.6800
5/10/2019 16:41:19	Continuing Calibration Verification	Be (313.107 nm)	0.13	0.2489 (ppm)	312357.9640
5/10/2019 16:41:19	Continuing Calibration Verification	Ca (227.547 nm)	0.48	24.2172 (ppm)	1385.1439
5/10/2019 16:41:19	Continuing Calibration Verification	Cd (214.439 nm)	0.08	0.4873 (ppm)	9646.4473
5/10/2019 16:41:19	Continuing Calibration Verification	Co (230.786 nm)	0.07	2.5689 (ppm)	30505.2590
5/10/2019 16:41:19	Continuing Calibration Verification	Cr (267.716 nm)	0.06	0.4972 (ppm)	19400.9138
5/10/2019 16:41:19	Continuing Calibration Verification	Cu (327.395 nm)	0.25	1.2008 (ppm)	72818.6393
5/10/2019 16:41:19	Continuing Calibration Verification	Fe (234.350 nm)	0.11	4.8155 (ppm)	49808.0470
5/10/2019 16:41:19	Continuing Calibration Verification	K (766.491 nm)	0.60	24.5403 (ppm)	81071.3884
5/10/2019 16:41:19	Continuing Calibration Verification	Mg (279.078 nm)	0.08	24.7872 (ppm)	53146.9171
5/10/2019 16:41:19	Continuing Calibration Verification	Mn (257.610 nm)	0.13	0.7398 (ppm)	221988.3261
5/10/2019 16:41:19	Continuing Calibration Verification	Mo (202.032 nm)	0.23	2.4223 (ppm)	13004.7394
5/10/2019 16:41:19	Continuing Calibration Verification	Na (588.995 nm)	0.21	24.8895 (ppm)	1030416.7089
5/10/2019 16:41:19	Continuing Calibration Verification	Ni (230.299 nm)	0.15	1.9686 (ppm)	18732.5281
5/10/2019 16:41:19	Continuing Calibration Verification	Pb (220.353 nm)	0.10	0.4943 (ppm)	1347.4511
5/10/2019 16:41:19	Continuing Calibration Verification	Sb (217.582 nm)	0.19	4.7444 (ppm)	5103.8260
5/10/2019 16:41:19	Continuing Calibration Verification	Se (196.026 nm)	1.55	0.4880 (ppm)	214.1620
5/10/2019 16:41:19	Continuing Calibration Verification	Sn (189.925 nm)	0.61	4.8994 (ppm)	3354.7257
5/10/2019 16:41:19	Continuing Calibration Verification	Sr (216.596 nm)	0.25	2.5044 (ppm)	24143.4579
5/10/2019 16:41:19	Continuing Calibration Verification	Ti (336.122 nm)	0.29	2.4853 (ppm)	584434.2379
5/10/2019 16:41:19	Continuing Calibration Verification	Tl (351.923 nm)	0.40	1.0034 (ppm)	2811.3546
5/10/2019 16:41:19	Continuing Calibration Verification	V (292.401 nm)	0.14	2.5028 (ppm)	75276.5442
5/10/2019 16:41:19	Continuing Calibration Verification	Y (360.074 nm)	0.68	0.97 (Ratio)	1107170.20
5/10/2019 16:41:19	Continuing Calibration Verification	Y_R (360.074 nm)	0.68	0.97 (Ratio)	1108200.65
5/10/2019 16:41:19	Continuing Calibration Verification	Zn (213.857 nm)	0.11	0.9620 (ppm)	30292.1759
5/10/2019 16:44:39	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-57.5738
5/10/2019 16:44:39	Continuing Calibration Blank	Al (394.401 nm)	12.58	-0.0076 u (ppm)	243.2781
5/10/2019 16:44:39	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0010 u (ppm)	0.7478
5/10/2019 16:44:39	Continuing Calibration Blank	B (249.772 nm)	8.13	0.0022 (ppm)	183.5389
5/10/2019 16:44:39	Continuing Calibration Blank	Ba (230.424 nm)	13.34	0.0009 (ppm)	62.4281
5/10/2019 16:44:39	Continuing Calibration Blank	Be (313.107 nm)	51.30	0.0000 (ppm)	-277.7150
5/10/2019 16:44:39	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0058 u (ppm)	0.9748
5/10/2019 16:44:39	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0001 (ppm)	10.0981
5/10/2019 16:44:39	Continuing Calibration Blank	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-0.6937
5/10/2019 16:44:39	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.8021
5/10/2019 16:44:39	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	20.6402
5/10/2019 16:44:39	Continuing Calibration Blank	Fe (234.350 nm)	22.69	-0.0011 u (ppm)	61.5958
5/10/2019 16:44:39	Continuing Calibration Blank	K (766.491 nm)	7.56	0.0330 (ppm)	136.6531
5/10/2019 16:44:39	Continuing Calibration Blank	Mg (279.078 nm)	11.12	-0.0069 u (ppm)	19.7430
5/10/2019 16:44:39	Continuing Calibration Blank	Mn (257.610 nm)	51.56	0.0000 (ppm)	55.3334
5/10/2019 16:44:39	Continuing Calibration Blank	Mo (202.032 nm)	19.96	0.0039 (ppm)	22.4972
5/10/2019 16:44:39	Continuing Calibration Blank	Na (588.995 nm)	4.25	0.0339 (ppm)	-7701.1879
5/10/2019 16:44:39	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.3946

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:44:39	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	0.5958
5/10/2019 16:44:39	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0028 u (ppm)	0.0570
5/10/2019 16:44:39	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	-0.0008 u (ppm)	-0.7317
5/10/2019 16:44:39	Continuing Calibration Blank	Sn (189.925 nm)	70.80	0.0012 (ppm)	-0.0750
5/10/2019 16:44:39	Continuing Calibration Blank	Sr (216.596 nm)	21.80	0.0004 (ppm)	3.0380
5/10/2019 16:44:39	Continuing Calibration Blank	Tl (336.122 nm)	18.99	0.0017 (ppm)	308.1465
5/10/2019 16:44:39	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0014 u (ppm)	3.0479
5/10/2019 16:44:39	Continuing Calibration Blank	V (292.401 nm)	75.20	0.0002 (ppm)	54.1190
5/10/2019 16:44:39	Continuing Calibration Blank	Y (360.074 nm)	0.49	1.01 (Ratio)	1151073.94
5/10/2019 16:44:39	Continuing Calibration Blank	Y_R (360.074 nm)	0.49	1.01 (Ratio)	1152412.68
5/10/2019 16:44:39	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.3410
5/10/2019 16:47:58	HCL M7600011J	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-61.1514
5/10/2019 16:47:58	HCL M7600011J	Al (394.401 nm)	6.29	-0.0090 u (ppm)	222.0619
5/10/2019 16:47:58	HCL M7600011J	As (188.980 nm)	> 100.00	-0.0003 u (ppm)	-0.0745
5/10/2019 16:47:58	HCL M7600011J	B (249.772 nm)	8.28	0.0019 (ppm)	172.1668
5/10/2019 16:47:58	HCL M7600011J	Ba (230.424 nm)	11.49	0.0004 (ppm)	39.9321
5/10/2019 16:47:58	HCL M7600011J	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-287.3638
5/10/2019 16:47:58	HCL M7600011J	Ca (227.547 nm)	61.72	0.0770 (ppm)	5.7045
5/10/2019 16:47:58	HCL M7600011J	Cd (214.439 nm)	84.16	-0.0001 u (ppm)	6.1177
5/10/2019 16:47:58	HCL M7600011J	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.1182
5/10/2019 16:47:58	HCL M7600011J	Cr (267.716 nm)	59.57	-0.0004 u (ppm)	-3.8581
5/10/2019 16:47:58	HCL M7600011J	Cu (327.395 nm)	29.33	-0.0002 u (ppm)	12.4739
5/10/2019 16:47:58	HCL M7600011J	Fe (234.350 nm)	89.47	0.0010 (ppm)	83.2550
5/10/2019 16:47:58	HCL M7600011J	K (766.491 nm)	71.49	-0.0091 u (ppm)	-2.3122
5/10/2019 16:47:58	HCL M7600011J	Mg (279.078 nm)	20.82	-0.0096 u (ppm)	14.0517
5/10/2019 16:47:58	HCL M7600011J	Mn (257.610 nm)	1.50	0.0012 (ppm)	406.5370
5/10/2019 16:47:58	HCL M7600011J	Mo (202.032 nm)	20.40	0.0012 (ppm)	8.1846
5/10/2019 16:47:58	HCL M7600011J	Na (588.995 nm)	7.98	0.0269 (ppm)	-7891.3114
5/10/2019 16:47:58	HCL M7600011J	Ni (230.299 nm)	37.80	-0.0010 u (ppm)	-21.4540
5/10/2019 16:47:58	HCL M7600011J	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	1.0456
5/10/2019 16:47:58	HCL M7600011J	Sb (217.582 nm)	42.56	0.0023 (ppm)	-0.4416
5/10/2019 16:47:58	HCL M7600011J	Se (196.026 nm)	> 100.00	-0.0018 u (ppm)	-1.1858
5/10/2019 16:47:58	HCL M7600011J	Sn (189.925 nm)	13.24	0.0055 (ppm)	2.8684
5/10/2019 16:47:58	HCL M7600011J	Sr (216.596 nm)	71.51	0.0002 (ppm)	0.9779
5/10/2019 16:47:58	HCL M7600011J	Tl (336.122 nm)	5.26	0.0012 (ppm)	175.5578
5/10/2019 16:47:58	HCL M7600011J	Tl (351.923 nm)	> 100.00	-0.0004 u (ppm)	-2.1599
5/10/2019 16:47:58	HCL M7600011J	V (292.401 nm)	> 100.00	0.0001 u (ppm)	50.5490
5/10/2019 16:47:58	HCL M7600011J	Y (360.074 nm)	0.54	0.99 (Ratio)	1120637.61
5/10/2019 16:47:58	HCL M7600011J	Y_R (360.074 nm)	0.54	0.99 (Ratio)	1121874.46
5/10/2019 16:47:58	HCL M7600011J	Zn (213.857 nm)	12.56	0.0005 (ppm)	8.2706
5/10/2019 16:51:17	HCL M7600011K	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.5924
5/10/2019 16:51:17	HCL M7600011K	Al (394.401 nm)	3.49	-0.0100 u (ppm)	205.2091
5/10/2019 16:51:17	HCL M7600011K	As (188.980 nm)	> 100.00	0.0011 u (ppm)	0.8151
5/10/2019 16:51:17	HCL M7600011K	B (249.772 nm)	3.81	0.0045 (ppm)	268.6897
5/10/2019 16:51:17	HCL M7600011K	Ba (230.424 nm)	60.06	0.0002 (ppm)	26.7122
5/10/2019 16:51:17	HCL M7600011K	Be (313.107 nm)	24.20	0.0000 u (ppm)	-302.6009
5/10/2019 16:51:17	HCL M7600011K	Ca (227.547 nm)	99.22	0.0379 u (ppm)	3.4718
5/10/2019 16:51:17	HCL M7600011K	Cd (214.439 nm)	79.73	-0.0001 u (ppm)	5.9336
5/10/2019 16:51:17	HCL M7600011K	Co (230.786 nm)	> 100.00	0.0002 (ppm)	0.1844
5/10/2019 16:51:17	HCL M7600011K	Cr (267.716 nm)	17.29	-0.0004 u (ppm)	-4.1334
5/10/2019 16:51:17	HCL M7600011K	Cu (327.395 nm)	62.89	-0.0002 u (ppm)	13.1673

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:51:17	HCL M7600011K	Fe (234.350 nm)	4.93	-0.0040 u (ppm)	31.0586
5/10/2019 16:51:17	HCL M7600011K	K (766.491 nm)	18.64	-0.0151 u (ppm)	-22.1037
5/10/2019 16:51:17	HCL M7600011K	Mg (279.078 nm)	8.71	-0.0110 u (ppm)	10.9468
5/10/2019 16:51:17	HCL M7600011K	Mn (257.610 nm)	21.24	-0.0001 u (ppm)	26.3098
5/10/2019 16:51:17	HCL M7600011K	Mo (202.032 nm)	42.26	0.0006 (ppm)	4.7721
5/10/2019 16:51:17	HCL M7600011K	Na (588.995 nm)	8.75	0.0174 (ppm)	-8389.1116
5/10/2019 16:51:17	HCL M7600011K	Ni (230.299 nm)	83.45	-0.0010 u (ppm)	-21.8549
5/10/2019 16:51:17	HCL M7600011K	Pb (220.353 nm)	> 100.00	0.0006 u (ppm)	2.1023
5/10/2019 16:51:17	HCL M7600011K	Sb (217.582 nm)	52.26	0.0035 (ppm)	0.7867
5/10/2019 16:51:17	HCL M7600011K	Se (196.026 nm)	62.21	-0.0011 u (ppm)	-0.8995
5/10/2019 16:51:17	HCL M7600011K	Sn (189.925 nm)	42.24	0.0030 (ppm)	1.1373
5/10/2019 16:51:17	HCL M7600011K	Sr (216.596 nm)	> 100.00	0.0001 u (ppm)	0.0770
5/10/2019 16:51:17	HCL M7600011K	Ti (336.122 nm)	4.47	0.0007 (ppm)	69.3961
5/10/2019 16:51:17	HCL M7600011K	Ti (351.923 nm)	72.94	-0.0030 u (ppm)	-9.4441
5/10/2019 16:51:17	HCL M7600011K	V (292.401 nm)	> 100.00	-0.0002 u (ppm)	42.8066
5/10/2019 16:51:17	HCL M7600011K	Y (360.074 nm)	0.35	0.99 (Ratio)	1121890.65
5/10/2019 16:51:17	HCL M7600011K	Y_R (360.074 nm)	0.35	0.99 (Ratio)	1123183.07
5/10/2019 16:51:17	HCL M7600011K	Zn (213.857 nm)	11.59	0.0003 (ppm)	2.1293
5/10/2019 16:54:38	Continuing Calibration Verification	Ag (328.068 nm)	0.19	0.4956 (ppm)	31883.3489
5/10/2019 16:54:38	Continuing Calibration Verification	Al (394.401 nm)	0.34	9.5373 (ppm)	154170.5394
5/10/2019 16:54:38	Continuing Calibration Verification	As (188.980 nm)	0.23	0.9761 (ppm)	589.2470
5/10/2019 16:54:38	Continuing Calibration Verification	B (249.772 nm)	0.45	2.4182 (ppm)	90243.8482
5/10/2019 16:54:38	Continuing Calibration Verification	Ba (230.424 nm)	0.47	10.2187 (ppm)	462458.1862
5/10/2019 16:54:38	Continuing Calibration Verification	Be (313.107 nm)	0.21	0.2501 (ppm)	313892.3343
5/10/2019 16:54:38	Continuing Calibration Verification	Ca (227.547 nm)	0.51	24.2841 (ppm)	1388.9639
5/10/2019 16:54:38	Continuing Calibration Verification	Cd (214.439 nm)	0.27	0.4891 (ppm)	9682.2348
5/10/2019 16:54:38	Continuing Calibration Verification	Co (230.786 nm)	0.17	2.5826 (ppm)	30667.1813
5/10/2019 16:54:38	Continuing Calibration Verification	Cr (267.716 nm)	0.29	0.5004 (ppm)	19524.2777
5/10/2019 16:54:38	Continuing Calibration Verification	Cu (327.395 nm)	0.39	1.2035 (ppm)	72978.7654
5/10/2019 16:54:38	Continuing Calibration Verification	Fe (234.350 nm)	0.26	4.8396 (ppm)	50057.1228
5/10/2019 16:54:38	Continuing Calibration Verification	K (766.491 nm)	0.45	24.5147 (ppm)	80986.8215
5/10/2019 16:54:38	Continuing Calibration Verification	Mg (279.078 nm)	0.16	24.9243 (ppm)	53440.5462
5/10/2019 16:54:38	Continuing Calibration Verification	Mn (257.610 nm)	0.34	0.7441 (ppm)	223268.0793
5/10/2019 16:54:38	Continuing Calibration Verification	Mo (202.032 nm)	0.52	2.4276 (ppm)	13032.9091
5/10/2019 16:54:38	Continuing Calibration Verification	Na (588.995 nm)	0.31	24.9647 (ppm)	1033553.7161
5/10/2019 16:54:38	Continuing Calibration Verification	Ni (230.299 nm)	0.10	1.9800 (ppm)	18841.2596
5/10/2019 16:54:38	Continuing Calibration Verification	Pb (220.353 nm)	0.51	0.4985 (ppm)	1358.6909
5/10/2019 16:54:38	Continuing Calibration Verification	Sb (217.582 nm)	0.29	4.7572 (ppm)	5117.6480
5/10/2019 16:54:38	Continuing Calibration Verification	Se (196.026 nm)	1.84	0.4800 (ppm)	210.6189
5/10/2019 16:54:38	Continuing Calibration Verification	Sn (189.925 nm)	0.69	4.9212 (ppm)	3369.6533
5/10/2019 16:54:38	Continuing Calibration Verification	Sr (216.596 nm)	0.27	2.5118 (ppm)	24214.6922
5/10/2019 16:54:38	Continuing Calibration Verification	Ti (336.122 nm)	0.06	2.4947 (ppm)	586651.5406
5/10/2019 16:54:38	Continuing Calibration Verification	Ti (351.923 nm)	0.33	1.0102 (ppm)	2830.5315
5/10/2019 16:54:38	Continuing Calibration Verification	V (292.401 nm)	0.31	2.5147 (ppm)	75633.4698
5/10/2019 16:54:38	Continuing Calibration Verification	Y (360.074 nm)	0.31	0.98 (Ratio)	1110118.53
5/10/2019 16:54:38	Continuing Calibration Verification	Y_R (360.074 nm)	0.30	0.98 (Ratio)	1111270.45
5/10/2019 16:54:38	Continuing Calibration Verification	Zn (213.857 nm)	0.16	0.9662 (ppm)	30423.7992
5/10/2019 16:57:57	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-55.8558
5/10/2019 16:57:57	Continuing Calibration Blank	Al (394.401 nm)	3.09	-0.0095 u (ppm)	213.1933
5/10/2019 16:57:57	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0020 u (ppm)	1.3370
5/10/2019 16:57:57	Continuing Calibration Blank	B (249.772 nm)	16.46	0.0017 (ppm)	163.2828

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 16:57:57	Continuing Calibration Blank	Ba (230.424 nm)	4.08	0.0011 (ppm)	68.6666
5/10/2019 16:57:57	Continuing Calibration Blank	Be (313.107 nm)	12.33	0.0000 (ppm)	-273.3225
5/10/2019 16:57:57	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0040 u (ppm)	1.5353
5/10/2019 16:57:57	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	6.6052
5/10/2019 16:57:57	Continuing Calibration Blank	Co (230.786 nm)	29.31	0.0002 (ppm)	-0.0516
5/10/2019 16:57:57	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.5977
5/10/2019 16:57:57	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	21.0379
5/10/2019 16:57:57	Continuing Calibration Blank	Fe (234.350 nm)	21.64	-0.0025 u (ppm)	46.6702
5/10/2019 16:57:57	Continuing Calibration Blank	K (766.491 nm)	30.90	0.0310 (ppm)	129.9808
5/10/2019 16:57:57	Continuing Calibration Blank	Mg (279.078 nm)	1.85	-0.0091 u (ppm)	14.9742
5/10/2019 16:57:57	Continuing Calibration Blank	Mn (257.610 nm)	48.70	0.0000 (ppm)	54.0084
5/10/2019 16:57:57	Continuing Calibration Blank	Mo (202.032 nm)	11.96	0.0039 (ppm)	22.8540
5/10/2019 16:57:57	Continuing Calibration Blank	Na (588.995 nm)	3.05	0.0209 (ppm)	-8241.9641
5/10/2019 16:57:57	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0003 u (ppm)	-9.2327
5/10/2019 16:57:57	Continuing Calibration Blank	Pb (220.353 nm)	14.51	0.0012 (ppm)	3.7936
5/10/2019 16:57:57	Continuing Calibration Blank	Sb (217.582 nm)	> 100.00	0.0018 (ppm)	-0.9708
5/10/2019 16:57:57	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0046 u (ppm)	1.6346
5/10/2019 16:57:57	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.5804
5/10/2019 16:57:57	Continuing Calibration Blank	Sr (216.596 nm)	72.37	0.0004 (ppm)	2.3905
5/10/2019 16:57:57	Continuing Calibration Blank	Ti (336.122 nm)	17.38	0.0020 (ppm)	365.8302
5/10/2019 16:57:57	Continuing Calibration Blank	Ti (351.923 nm)	> 100.00	-0.0009 u (ppm)	-3.4291
5/10/2019 16:57:57	Continuing Calibration Blank	V (292.401 nm)	96.25	0.0002 (ppm)	53.5252
5/10/2019 16:57:57	Continuing Calibration Blank	Y (360.074 nm)	0.31	1.02 (Ratio)	1160702.63
5/10/2019 16:57:57	Continuing Calibration Blank	Y_R (360.074 nm)	0.31	1.02 (Ratio)	1162142.42
5/10/2019 16:57:57	Continuing Calibration Blank	Zn (213.857 nm)	83.68	0.0001 (ppm)	-5.2796
5/10/2019 17:01:16	Contract Required Detection Limit	Ag (328.068 nm)	0.76	0.0100 (ppm)	583.2820
5/10/2019 17:01:16	Contract Required Detection Limit	Al (394.401 nm)	0.50	0.1690 (ppm)	3091.9570
5/10/2019 17:01:16	Contract Required Detection Limit	As (188.980 nm)	15.82	0.0184 (ppm)	11.2499
5/10/2019 17:01:16	Contract Required Detection Limit	B (249.772 nm)	0.39	0.1814 (ppm)	6862.4499
5/10/2019 17:01:16	Contract Required Detection Limit	Ba (230.424 nm)	0.64	0.2110 (ppm)	9566.0710
5/10/2019 17:01:16	Contract Required Detection Limit	Be (313.107 nm)	0.29	0.0048 (ppm)	5773.3439
5/10/2019 17:01:16	Contract Required Detection Limit	Ca (227.547 nm)	7.11	0.9567 (ppm)	55.9727
5/10/2019 17:01:16	Contract Required Detection Limit	Cd (214.439 nm)	1.22	0.0097 (ppm)	200.9102
5/10/2019 17:01:16	Contract Required Detection Limit	Co (230.786 nm)	0.71	0.0516 (ppm)	610.6653
5/10/2019 17:01:16	Contract Required Detection Limit	Cr (267.716 nm)	1.77	0.0101 (ppm)	405.9540
5/10/2019 17:01:16	Contract Required Detection Limit	Cu (327.395 nm)	0.08	0.0244 (ppm)	1502.5634
5/10/2019 17:01:16	Contract Required Detection Limit	Fe (234.350 nm)	0.64	0.1011 (ppm)	1116.5834
5/10/2019 17:01:16	Contract Required Detection Limit	K (766.491 nm)	1.47	0.9237 (ppm)	3078.3112
5/10/2019 17:01:16	Contract Required Detection Limit	Mg (279.078 nm)	0.31	0.9659 (ppm)	2104.1099
5/10/2019 17:01:16	Contract Required Detection Limit	Mn (257.610 nm)	0.23	0.0156 (ppm)	4717.6682
5/10/2019 17:01:16	Contract Required Detection Limit	Mo (202.032 nm)	3.32	0.0260 (ppm)	141.3459
5/10/2019 17:01:16	Contract Required Detection Limit	Na (588.995 nm)	0.28	1.0269 (ppm)	33772.6690
5/10/2019 17:01:16	Contract Required Detection Limit	Ni (230.299 nm)	1.40	0.0412 (ppm)	380.1886
5/10/2019 17:01:16	Contract Required Detection Limit	Pb (220.353 nm)	5.23	0.0100 (ppm)	27.7065
5/10/2019 17:01:16	Contract Required Detection Limit	Sb (217.582 nm)	2.57	0.0626 (ppm)	64.4052
5/10/2019 17:01:16	Contract Required Detection Limit	Se (196.026 nm)	29.09	0.0108 (ppm)	4.3384
5/10/2019 17:01:16	Contract Required Detection Limit	Sn (189.925 nm)	0.33	0.4926 (ppm)	336.4946
5/10/2019 17:01:16	Contract Required Detection Limit	Sr (216.596 nm)	1.11	0.1013 (ppm)	975.6184
5/10/2019 17:01:16	Contract Required Detection Limit	Ti (336.122 nm)	0.22	0.0510 (ppm)	11886.2577
5/10/2019 17:01:16	Contract Required Detection Limit	Ti (351.923 nm)	2.00	0.0180 (ppm)	49.4226
5/10/2019 17:01:16	Contract Required Detection Limit	V (292.401 nm)	0.36	0.0495 (ppm)	1537.2036

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:01:16	Contract Required Detection Limit	Y (360.074 nm)	0.39	1.02 (Ratio)	1158102.66
5/10/2019 17:01:16	Contract Required Detection Limit	Y_R (360.074 nm)	0.39	1.02 (Ratio)	1159599.37
5/10/2019 17:01:16	Contract Required Detection Limit	Zn (213.857 nm)	1.45	0.0195 (ppm)	605.2375
5/10/2019 17:04:35	Interference Check Solution A	Ag (328.068 nm)	58.71	0.0002 (ppm)	-44.3464
5/10/2019 17:04:35	Interference Check Solution A	Al (394.401 nm)	0.03	261.8765 o (ppm)	4223556.8614
5/10/2019 17:04:35	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0040 u (ppm)	-2.2517
5/10/2019 17:04:35	Interference Check Solution A	B (249.772 nm)	0.34	0.0467 (ppm)	1841.5921
5/10/2019 17:04:35	Interference Check Solution A	Ba (230.424 nm)	10.38	0.0011 (ppm)	71.0705
5/10/2019 17:04:35	Interference Check Solution A	Be (313.107 nm)	26.85	0.0000 u (ppm)	-344.2757
5/10/2019 17:04:35	Interference Check Solution A	Ca (227.547 nm)	0.11	263.3497 o (ppm)	15049.8304
5/10/2019 17:04:35	Interference Check Solution A	Cd (214.439 nm)	30.75	-0.0006 u (ppm)	-2.3344
5/10/2019 17:04:35	Interference Check Solution A	Co (230.786 nm)	12.30	-0.0027 u (ppm)	-33.8229
5/10/2019 17:04:35	Interference Check Solution A	Cr (267.716 nm)	25.80	0.0005 (ppm)	33.3236
5/10/2019 17:04:35	Interference Check Solution A	Cu (327.395 nm)	23.58	-0.0003 u (ppm)	3.5181
5/10/2019 17:04:35	Interference Check Solution A	Fe (234.350 nm)	0.42	89.3580 o (ppm)	922973.2845
5/10/2019 17:04:35	Interference Check Solution A	K (766.491 nm)	62.99	0.0319 (ppm)	132.9248
5/10/2019 17:04:35	Interference Check Solution A	Mg (279.078 nm)	0.04	257.5232 o (ppm)	551837.5744
5/10/2019 17:04:35	Interference Check Solution A	Mn (257.610 nm)	1.36	0.0019 (ppm)	612.7904
5/10/2019 17:04:35	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0002 u (ppm)	2.7488
5/10/2019 17:04:35	Interference Check Solution A	Na (588.995 nm)	29.79	0.0056 (ppm)	-8883.3982
5/10/2019 17:04:35	Interference Check Solution A	Ni (230.299 nm)	72.47	-0.0011 u (ppm)	-22.4706
5/10/2019 17:04:35	Interference Check Solution A	Pb (220.353 nm)	89.89	-0.0012 u (ppm)	-2.8117
5/10/2019 17:04:35	Interference Check Solution A	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	-2.1702
5/10/2019 17:04:35	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0040 u (ppm)	-2.1452
5/10/2019 17:04:35	Interference Check Solution A	Sn (189.925 nm)	72.74	0.0038 (ppm)	1.7008
5/10/2019 17:04:35	Interference Check Solution A	Sr (216.596 nm)	1.71	0.0186 (ppm)	178.0367
5/10/2019 17:04:35	Interference Check Solution A	Ti (336.122 nm)	1.50	0.0019 (ppm)	343.0945
5/10/2019 17:04:35	Interference Check Solution A	Ti (351.923 nm)	71.74	0.0044 (ppm)	11.3865
5/10/2019 17:04:35	Interference Check Solution A	V (292.401 nm)	4.31	0.0016 (ppm)	95.5889
5/10/2019 17:04:35	Interference Check Solution A	Y (360.074 nm)	0.41	0.90 (Ratio)	1025402.01
5/10/2019 17:04:35	Interference Check Solution A	Y_R (360.074 nm)	0.41	0.90 (Ratio)	1026329.59
5/10/2019 17:04:35	Interference Check Solution A	Zn (213.857 nm)	2.28	0.0115 K (ppm)	354.5652 K
5/10/2019 17:07:55	Interference Check Solution AB	Ag (328.068 nm)	0.14	0.2112 (ppm)	13551.5022
5/10/2019 17:07:55	Interference Check Solution AB	Al (394.401 nm)	0.14	261.6225 o (ppm)	4219460.9743
5/10/2019 17:07:55	Interference Check Solution AB	As (188.980 nm)	2.95	0.0994 (ppm)	60.1137
5/10/2019 17:07:55	Interference Check Solution AB	B (249.772 nm)	0.38	0.0451 (ppm)	1782.0440
5/10/2019 17:07:55	Interference Check Solution AB	Ba (230.424 nm)	0.29	0.5147 (ppm)	23311.1227
5/10/2019 17:07:55	Interference Check Solution AB	Be (313.107 nm)	0.19	0.4861 (ppm)	610308.4199
5/10/2019 17:07:55	Interference Check Solution AB	Ca (227.547 nm)	0.29	263.2319 o (ppm)	15043.0996
5/10/2019 17:07:55	Interference Check Solution AB	Cd (214.439 nm)	0.28	0.9394 (ppm)	18587.5012
5/10/2019 17:07:55	Interference Check Solution AB	Co (230.786 nm)	0.28	0.4757 (ppm)	5647.2957
5/10/2019 17:07:55	Interference Check Solution AB	Cr (267.716 nm)	0.22	0.4887 (ppm)	19070.3741
5/10/2019 17:07:55	Interference Check Solution AB	Cu (327.395 nm)	0.06	0.5111 (ppm)	31006.4145
5/10/2019 17:07:55	Interference Check Solution AB	Fe (234.350 nm)	0.16	89.1314 o (ppm)	920632.8686
5/10/2019 17:07:55	Interference Check Solution AB	K (766.491 nm)	> 100.00	0.0017 u (ppm)	33.2085
5/10/2019 17:07:55	Interference Check Solution AB	Mg (279.078 nm)	0.26	257.4719 o (ppm)	551727.7334
5/10/2019 17:07:55	Interference Check Solution AB	Mn (257.610 nm)	0.18	0.4861 (ppm)	145887.8760
5/10/2019 17:07:55	Interference Check Solution AB	Mo (202.032 nm)	51.46	0.0010 (ppm)	6.9830
5/10/2019 17:07:55	Interference Check Solution AB	Na (588.995 nm)	13.00	0.0139 (ppm)	-8535.7066
5/10/2019 17:07:55	Interference Check Solution AB	Ni (230.299 nm)	0.56	0.9341 (ppm)	8882.1291
5/10/2019 17:07:55	Interference Check Solution AB	Pb (220.353 nm)	1.49	0.0447 (ppm)	122.3183

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:07:55	Interference Check Solution AB	Sb (217.582 nm)	0.18	0.5941 (ppm)	636.5933
5/10/2019 17:07:55	Interference Check Solution AB	Se (196.026 nm)	12.08	0.0531 (ppm)	22.9410
5/10/2019 17:07:55	Interference Check Solution AB	Sn (189.925 nm)	31.26	0.0042 (ppm)	1.9895
5/10/2019 17:07:55	Interference Check Solution AB	Sr (216.596 nm)	2.20	0.0185 (ppm)	177.2521
5/10/2019 17:07:55	Interference Check Solution AB	Ti (336.122 nm)	0.94	0.0018 (ppm)	309.2604
5/10/2019 17:07:55	Interference Check Solution AB	Tl (351.923 nm)	4.95	0.1084 (ppm)	303.0515
5/10/2019 17:07:55	Interference Check Solution AB	V (292.401 nm)	0.29	0.4970 (ppm)	14988.4048
5/10/2019 17:07:55	Interference Check Solution AB	Y (360.074 nm)	0.43	0.90 (Ratio)	1025639.29
5/10/2019 17:07:55	Interference Check Solution AB	Y_R (360.074 nm)	0.43	0.90 (Ratio)	1026750.68
5/10/2019 17:07:55	Interference Check Solution AB	Zn (213.857 nm)	0.19	0.9886 (ppm)	31131.4875
5/10/2019 17:11:15	Continuing Calibration Verification	Ag (328.068 nm)	0.17	0.4978 (ppm)	32023.6007
5/10/2019 17:11:15	Continuing Calibration Verification	Al (394.401 nm)	0.23	9.5779 (ppm)	154826.4114
5/10/2019 17:11:15	Continuing Calibration Verification	As (188.980 nm)	0.46	0.9730 (ppm)	587.4001
5/10/2019 17:11:15	Continuing Calibration Verification	B (249.772 nm)	0.11	2.4019 (ppm)	89635.9141
5/10/2019 17:11:15	Continuing Calibration Verification	Ba (230.424 nm)	0.16	10.1755 (ppm)	460503.0827
5/10/2019 17:11:15	Continuing Calibration Verification	Be (313.107 nm)	0.22	0.2500 (ppm)	313717.0417
5/10/2019 17:11:15	Continuing Calibration Verification	Ca (227.547 nm)	0.37	24.2634 (ppm)	1387.7839
5/10/2019 17:11:15	Continuing Calibration Verification	Cd (214.439 nm)	0.05	0.4878 (ppm)	9656.7828
5/10/2019 17:11:15	Continuing Calibration Verification	Co (230.786 nm)	0.07	2.5784 (ppm)	30618.1871
5/10/2019 17:11:15	Continuing Calibration Verification	Cr (267.716 nm)	0.14	0.4987 (ppm)	19457.3338
5/10/2019 17:11:15	Continuing Calibration Verification	Cu (327.395 nm)	0.28	1.2031 (ppm)	72954.2445
5/10/2019 17:11:15	Continuing Calibration Verification	Fe (234.350 nm)	0.07	4.8549 (ppm)	50214.7878
5/10/2019 17:11:15	Continuing Calibration Verification	K (766.491 nm)	0.42	24.5314 (ppm)	81041.8438
5/10/2019 17:11:15	Continuing Calibration Verification	Mg (279.078 nm)	0.10	24.9490 (ppm)	53493.5080
5/10/2019 17:11:15	Continuing Calibration Verification	Mn (257.610 nm)	0.08	0.7407 (ppm)	222265.7169
5/10/2019 17:11:15	Continuing Calibration Verification	Mo (202.032 nm)	0.16	2.4231 (ppm)	13008.8033
5/10/2019 17:11:15	Continuing Calibration Verification	Na (588.995 nm)	0.63	25.0570 (ppm)	1037408.3912
5/10/2019 17:11:15	Continuing Calibration Verification	Ni (230.299 nm)	0.08	1.9786 (ppm)	18827.6699
5/10/2019 17:11:15	Continuing Calibration Verification	Pb (220.353 nm)	0.51	0.4977 (ppm)	1356.7235
5/10/2019 17:11:15	Continuing Calibration Verification	Sb (217.582 nm)	0.25	4.7569 (ppm)	5117.3212
5/10/2019 17:11:15	Continuing Calibration Verification	Se (196.026 nm)	1.84	0.4889 (ppm)	214.5694
5/10/2019 17:11:15	Continuing Calibration Verification	Sn (189.925 nm)	0.43	4.9225 (ppm)	3370.5194
5/10/2019 17:11:15	Continuing Calibration Verification	Sr (216.596 nm)	0.42	2.5087 (ppm)	24184.4534
5/10/2019 17:11:15	Continuing Calibration Verification	Ti (336.122 nm)	0.01	2.4946 (ppm)	586624.0523
5/10/2019 17:11:15	Continuing Calibration Verification	Tl (351.923 nm)	0.12	1.0048 (ppm)	2815.3393
5/10/2019 17:11:15	Continuing Calibration Verification	V (292.401 nm)	0.04	2.5161 (ppm)	75678.4394
5/10/2019 17:11:15	Continuing Calibration Verification	Y (360.074 nm)	0.60	0.98 (Ratio)	1110200.54
5/10/2019 17:11:15	Continuing Calibration Verification	Y_R (360.074 nm)	0.60	0.98 (Ratio)	1111738.37
5/10/2019 17:11:15	Continuing Calibration Verification	Zn (213.857 nm)	0.04	0.9648 (ppm)	30379.7180
5/10/2019 17:14:34	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-56.3777
5/10/2019 17:14:34	Continuing Calibration Blank	Al (394.401 nm)	39.38	0.0075 (ppm)	487.9155
5/10/2019 17:14:34	Continuing Calibration Blank	As (188.980 nm)	> 100.00	0.0006 u (ppm)	0.5209
5/10/2019 17:14:34	Continuing Calibration Blank	B (249.772 nm)	4.64	0.0018 (ppm)	166.9802
5/10/2019 17:14:34	Continuing Calibration Blank	Ba (230.424 nm)	5.71	0.0012 (ppm)	75.6252
5/10/2019 17:14:34	Continuing Calibration Blank	Be (313.107 nm)	12.30	0.0000 (ppm)	-234.4269
5/10/2019 17:14:34	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	-0.0004 u (ppm)	1.2851
5/10/2019 17:14:34	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.3903
5/10/2019 17:14:34	Continuing Calibration Blank	Co (230.786 nm)	89.62	0.0003 (ppm)	0.8348
5/10/2019 17:14:34	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	10.6947
5/10/2019 17:14:34	Continuing Calibration Blank	Cu (327.395 nm)	51.46	-0.0001 u (ppm)	18.5995
5/10/2019 17:14:34	Continuing Calibration Blank	Fe (234.350 nm)	10.60	0.0066 (ppm)	140.5533

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:14:34	Continuing Calibration Blank	K (766.491 nm)	47.76	0.0140 (ppm)	73.9793
5/10/2019 17:14:34	Continuing Calibration Blank	Mg (279.078 nm)	26.06	0.0121 (ppm)	60.3946
5/10/2019 17:14:34	Continuing Calibration Blank	Mn (257.610 nm)	24.42	0.0000 (ppm)	59.6989
5/10/2019 17:14:34	Continuing Calibration Blank	Mo (202.032 nm)	8.07	0.0039 (ppm)	22.9688
5/10/2019 17:14:34	Continuing Calibration Blank	Na (588.995 nm)	11.82	0.0148 (ppm)	-8498.3505
5/10/2019 17:14:34	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0000 u (ppm)	-11.6192
5/10/2019 17:14:34	Continuing Calibration Blank	Pb (220.353 nm)	41.21	0.0015 (ppm)	4.4279
5/10/2019 17:14:34	Continuing Calibration Blank	Sb (217.582 nm)	32.24	0.0022 (ppm)	-0.5748
5/10/2019 17:14:34	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0005 u (ppm)	-0.1945
5/10/2019 17:14:34	Continuing Calibration Blank	Sn (189.925 nm)	13.65	0.0014 (ppm)	0.0916
5/10/2019 17:14:34	Continuing Calibration Blank	Sr (216.596 nm)	62.36	0.0004 (ppm)	3.2941
5/10/2019 17:14:34	Continuing Calibration Blank	Ti (336.122 nm)	20.48	0.0018 (ppm)	317.2088
5/10/2019 17:14:34	Continuing Calibration Blank	Ti (351.923 nm)	> 100.00	0.0006 u (ppm)	0.8883
5/10/2019 17:14:34	Continuing Calibration Blank	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.5106
5/10/2019 17:14:34	Continuing Calibration Blank	Y (360.074 nm)	0.44	1.02 (Ratio)	1158954.44
5/10/2019 17:14:34	Continuing Calibration Blank	Y_R (360.074 nm)	0.45	1.02 (Ratio)	1160803.29
5/10/2019 17:14:34	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-8.0492
5/10/2019 17:17:53	PBW-336344	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-61.1107
5/10/2019 17:17:53	PBW-336344	Al (394.401 nm)	> 100.00	-0.0011 u (ppm)	348.8819
5/10/2019 17:17:53	PBW-336344	As (188.980 nm)	13.89	-0.0036 u (ppm)	-2.0086
5/10/2019 17:17:53	PBW-336344	B (249.772 nm)	51.28	-0.0002 u (ppm)	92.5485
5/10/2019 17:17:53	PBW-336344	Ba (230.424 nm)	> 100.00	0.0001 u (ppm)	21.8143
5/10/2019 17:17:53	PBW-336344	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-286.9068
5/10/2019 17:17:53	PBW-336344	Ce (227.547 nm)	81.04	0.0365 (ppm)	3.3934
5/10/2019 17:17:53	PBW-336344	Cd (214.439 nm)	88.06	-0.0002 u (ppm)	5.4195
5/10/2019 17:17:53	PBW-336344	Co (230.786 nm)	60.37	0.0002 (ppm)	0.3710
5/10/2019 17:17:53	PBW-336344	Cr (267.716 nm)	27.69	-0.0004 u (ppm)	-2.3736
5/10/2019 17:17:53	PBW-336344	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	26.5253
5/10/2019 17:17:53	PBW-336344	Fe (234.350 nm)	> 100.00	0.0002 u (ppm)	75.1063
5/10/2019 17:17:53	PBW-336344	K (766.491 nm)	3.17	0.2837 (ppm)	864.4398
5/10/2019 17:17:53	PBW-336344	Mg (279.078 nm)	80.05	-0.0025 u (ppm)	29.1055
5/10/2019 17:17:53	PBW-336344	Mn (257.610 nm)	> 100.00	0.0000 u (ppm)	42.6597
5/10/2019 17:17:53	PBW-336344	Mo (202.032 nm)	38.99	0.0010 (ppm)	7.2650
5/10/2019 17:17:53	PBW-336344	Na (588.995 nm)	2.37	0.0644 (ppm)	-6426.4275
5/10/2019 17:17:53	PBW-336344	Ni (230.299 nm)	89.50	0.0003 u (ppm)	-9.2439
5/10/2019 17:17:53	PBW-336344	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	0.4956
5/10/2019 17:17:53	PBW-336344	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	-2.4436
5/10/2019 17:17:53	PBW-336344	Se (196.026 nm)	> 100.00	0.0021 u (ppm)	0.5422
5/10/2019 17:17:53	PBW-336344	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.9076
5/10/2019 17:17:53	PBW-336344	Sr (216.596 nm)	17.64	0.0001 (ppm)	0.1684
5/10/2019 17:17:53	PBW-336344	Ti (336.122 nm)	3.72	0.0011 (ppm)	162.7112
5/10/2019 17:17:53	PBW-336344	Ti (351.923 nm)	> 100.00	-0.0015 u (ppm)	-5.1633
5/10/2019 17:17:53	PBW-336344	V (292.401 nm)	29.82	-0.0005 u (ppm)	34.3637
5/10/2019 17:17:53	PBW-336344	Y (360.074 nm)	0.52	1.05 (Ratio)	1191672.03
5/10/2019 17:17:53	PBW-336344	Y_R (360.074 nm)	0.52	1.05 (Ratio)	1193400.63
5/10/2019 17:17:53	PBW-336344	Zn (213.857 nm)	0.97	0.0090 (ppm)	274.0706
5/10/2019 17:21:14	LCSW-336344	Ag (328.068 nm)	0.43	0.0511 (ppm)	3234.4243
5/10/2019 17:21:14	LCSW-336344	Al (394.401 nm)	0.39	1.8909 (ppm)	30860.8237
5/10/2019 17:21:14	LCSW-336344	As (188.980 nm)	8.27	0.0412 (ppm)	25.0157
5/10/2019 17:21:14	LCSW-336344	B (249.772 nm)	0.19	1.0017 (ppm)	37440.2976
5/10/2019 17:21:14	LCSW-336344	Ba (230.424 nm)	0.23	2.0785 (ppm)	84077.7799

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:21:14	LCSW-336344	Ba (313.107 nm)	0.25	0.0499 (ppm)	62437.7624
5/10/2019 17:21:14	LCSW-336344	Ca (227.547 nm)	0.71	1.9891 (ppm)	114.9687
5/10/2019 17:21:14	LCSW-336344	Cd (214.439 nm)	0.43	0.0509 (ppm)	1014.8123
5/10/2019 17:21:14	LCSW-336344	Co (230.786 nm)	0.23	0.5210 (ppm)	6185.4070
5/10/2019 17:21:14	LCSW-336344	Cr (267.716 nm)	0.09	0.2043 (ppm) †	7978.0581
5/10/2019 17:21:14	LCSW-336344	Cu (327.395 nm)	0.69	0.2493 (ppm)	15135.5712
5/10/2019 17:21:14	LCSW-336344	Fe (234.350 nm)	0.26	0.9896 (ppm)	10293.5173
5/10/2019 17:21:14	LCSW-336344	K (766.491 nm)	0.28	19.6600 (ppm)	64954.3518
5/10/2019 17:21:14	LCSW-336344	Mg (279.078 nm)	0.25	2.0210 (ppm)	4364.9181
5/10/2019 17:21:14	LCSW-336344	Mn (257.610 nm)	0.25	0.5046 (ppm)	151424.2415
5/10/2019 17:21:14	LCSW-336344	Mo (202.032 nm)	0.58	0.4921 (ppm)	2643.1220
5/10/2019 17:21:14	LCSW-336344	Na (588.995 nm)	0.29	20.1454 (ppm)	832271.3816
5/10/2019 17:21:14	LCSW-336344	Ni (230.299 nm)	0.03	0.5088 (ppm)	4832.1665
5/10/2019 17:21:14	LCSW-336344	Pb (220.353 nm)	0.16	0.5207 (ppm)	1419.1555
5/10/2019 17:21:14	LCSW-336344	Sb (217.582 nm)	0.71	0.4826 (ppm)	516.5310
5/10/2019 17:21:14	LCSW-336344	Se (196.026 nm)	0.57	1.0428 (ppm)	458.0780
5/10/2019 17:21:14	LCSW-336344	Sn (189.925 nm)	0.49	4.9919 (ppm)	3418.0530
5/10/2019 17:21:14	LCSW-336344	Sr (216.596 nm)	0.21	2.0500 (ppm)	19762.3819
5/10/2019 17:21:14	LCSW-336344	Ti (336.122 nm)	0.11	0.5056 (ppm)	118821.1017
5/10/2019 17:21:14	LCSW-336344	Ti (351.923 nm)	0.24	1.9516 (ppm)	5469.2369
5/10/2019 17:21:14	LCSW-336344	V (292.401 nm)	0.34	0.4968 (ppm)	14980.5444
5/10/2019 17:21:14	LCSW-336344	Y (360.074 nm)	0.37	1.02 (Ratio)	1158380.78
5/10/2019 17:21:14	LCSW-336344	Y_R (360.074 nm)	0.36	1.02 (Ratio)	1160128.11
5/10/2019 17:21:14	LCSW-336344	Zn (213.857 nm)	0.28	0.5333 (ppm)	16789.1824
5/10/2019 17:24:33	R1904113-001	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-54.0420
5/10/2019 17:24:33	R1904113-001	Al (394.401 nm)	6.69	0.0402 (ppm)	1014.6844
5/10/2019 17:24:33	R1904113-001	As (188.980 nm)	4.18	0.0628 (ppm)	38.0602
5/10/2019 17:24:33	R1904113-001	B (249.772 nm)	0.35	0.3294 (ppm)	12380.5116
5/10/2019 17:24:33	R1904113-001	Ba (230.424 nm)	0.53	2.6893 (ppm)	121718.8828
5/10/2019 17:24:33	R1904113-001	Be (313.107 nm)	74.77	0.0000 u (ppm)	-310.0992
5/10/2019 17:24:33	R1904113-001	Ca (227.547 nm)	0.27	67.4995 u (ppm)	3858.4126
5/10/2019 17:24:33	R1904113-001	Cd (214.439 nm)	25.01	-0.0002 u (ppm)	5.5401
5/10/2019 17:24:33	R1904113-001	Co (230.786 nm)	86.67	0.0004 (ppm)	2.9894
5/10/2019 17:24:33	R1904113-001	Cr (267.716 nm)	28.87	0.0006 (ppm)	36.3305
5/10/2019 17:24:33	R1904113-001	Cu (327.395 nm)	27.72	-0.0002 u (ppm)	10.4645
5/10/2019 17:24:33	R1904113-001	Fe (234.350 nm)	0.33	4.9226 (ppm)	50913.8070
5/10/2019 17:24:33	R1904113-001	K (766.491 nm)	0.04	1.9278 (ppm)	6394.0849
5/10/2019 17:24:33	R1904113-001	Mg (279.078 nm)	0.29	177.0617 u (ppm)	379430.2209
5/10/2019 17:24:33	R1904113-001	Mn (257.610 nm)	0.48	0.0974 (ppm)	29269.6308
5/10/2019 17:24:33	R1904113-001	Mo (202.032 nm)	35.17	0.0016 (ppm)	10.5122
5/10/2019 17:24:33	R1904113-001	Na (588.995 nm)	0.03	71.0187 u (ppm)	2957038.9233
5/10/2019 17:24:33	R1904113-001	Ni (230.299 nm)	3.89	-0.0102 u (ppm)	-109.1634
5/10/2019 17:24:33	R1904113-001	Pb (220.353 nm)	81.45	-0.0015 u (ppm)	-3.6757
5/10/2019 17:24:33	R1904113-001	Sb (217.582 nm)	> 100.00	0.0038 u (ppm)	1.1460
5/10/2019 17:24:33	R1904113-001	Se (196.026 nm)	> 100.00	0.0008 u (ppm)	-0.0623
5/10/2019 17:24:33	R1904113-001	Sn (189.925 nm)	77.10	0.0016 (ppm)	0.1820
5/10/2019 17:24:33	R1904113-001	Sr (216.596 nm)	0.48	0.7685 (ppm)	7407.8208
5/10/2019 17:24:33	R1904113-001	Ti (336.122 nm)	5.20	0.0022 (ppm)	412.9673
5/10/2019 17:24:33	R1904113-001	Ti (351.923 nm)	64.51	0.0071 (ppm)	18.9890
5/10/2019 17:24:33	R1904113-001	V (292.401 nm)	23.58	-0.0004 u (ppm)	37.3455
5/10/2019 17:24:33	R1904113-001	Y (360.074 nm)	0.16	0.95 (Ratio)	1076837.01

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:24:33	R1904113-001	Y_R (360.074 nm)	0.15	0.95 (Ratio)	1078365.09
5/10/2019 17:24:33	R1904113-001	Zn (213.857 nm)	2.31	0.0016 (ppm)	41.0669
5/10/2019 17:27:53	R1904113-002	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-61.6817
5/10/2019 17:27:53	R1904113-002	Al (394.401 nm)	0.74	0.0896 (ppm)	1811.1952
5/10/2019 17:27:53	R1904113-002	As (188.980 nm)	3.31	0.0863 (ppm)	52.2482
5/10/2019 17:27:53	R1904113-002	B (249.772 nm)	0.31	0.2039 (ppm)	7702.0529
5/10/2019 17:27:53	R1904113-002	Ba (230.424 nm)	1.02	5.6001 (ppm)	253446.2758
5/10/2019 17:27:53	R1904113-002	Be (313.107 nm)	47.95	0.0000 u (ppm)	-308.0414
5/10/2019 17:27:53	R1904113-002	Ca (227.547 nm)	0.06	59.6666 o (ppm)	3410.8199
5/10/2019 17:27:53	R1904113-002	Cd (214.439 nm)	93.40	-0.0002 u (ppm)	4.6809
5/10/2019 17:27:53	R1904113-002	Co (230.786 nm)	45.03	0.0006 (ppm)	5.1740
5/10/2019 17:27:53	R1904113-002	Cr (267.716 nm)	15.95	0.0007 (ppm)	38.1620
5/10/2019 17:27:53	R1904113-002	Cu (327.395 nm)	76.59	0.0004 (ppm)	46.5626
5/10/2019 17:27:53	R1904113-002	Fe (234.350 nm)	0.17	5.1376 (ppm)	53134.1934
5/10/2019 17:27:53	R1904113-002	K (766.491 nm)	0.13	12.9761 (ppm)	42880.8702
5/10/2019 17:27:53	R1904113-002	Mg (279.078 nm)	0.19	112.1643 o (ppm)	240372.6124
5/10/2019 17:27:53	R1904113-002	Mn (257.610 nm)	0.22	0.3361 (ppm)	100873.6340
5/10/2019 17:27:53	R1904113-002	Mo (202.032 nm)	68.61	0.0007 (ppm)	5.4928
5/10/2019 17:27:53	R1904113-002	Na (588.995 nm)	0.41	118.6750 o (ppm)	4947443.3493
5/10/2019 17:27:53	R1904113-002	Ni (230.299 nm)	2.41	0.0106 (ppm)	88.5414
5/10/2019 17:27:53	R1904113-002	Pb (220.353 nm)	55.24	-0.0022 u (ppm)	-5.5653
5/10/2019 17:27:53	R1904113-002	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	-2.6612
5/10/2019 17:27:53	R1904113-002	Se (196.026 nm)	> 100.00	-0.0030 u (ppm)	-1.7058
5/10/2019 17:27:53	R1904113-002	Sn (189.925 nm)	> 100.00	-0.0005 u (ppm)	-1.2093
5/10/2019 17:27:53	R1904113-002	Sr (216.596 nm)	0.07	0.7611 (ppm)	7336.8529
5/10/2019 17:27:53	R1904113-002	Ti (336.122 nm)	6.46	0.0052 (ppm)	1126.6699
5/10/2019 17:27:53	R1904113-002	Tl (351.923 nm)	49.02	0.0042 (ppm)	10.9687
5/10/2019 17:27:53	R1904113-002	V (292.401 nm)	69.70	-0.0004 u (ppm)	36.1987
5/10/2019 17:27:53	R1904113-002	Y (360.074 nm)	0.42	0.95 (Ratio)	1077337.68
5/10/2019 17:27:53	R1904113-002	Y_R (360.074 nm)	0.42	0.95 (Ratio)	1078918.01
5/10/2019 17:27:53	R1904113-002	Zn (213.857 nm)	2.59	0.0018 (ppm)	49.7474
5/10/2019 17:31:12	R1904113-003	Ag (328.068 nm)	53.34	-0.0001 u (ppm)	-66.7761
5/10/2019 17:31:12	R1904113-003	Al (394.401 nm)	1.93	0.0360 (ppm)	946.3241
5/10/2019 17:31:12	R1904113-003	As (188.980 nm)	> 100.00	-0.0016 u (ppm)	-0.8171
5/10/2019 17:31:12	R1904113-003	B (249.772 nm)	0.26	0.0062 (ppm)	332.8652
5/10/2019 17:31:12	R1904113-003	Ba (230.424 nm)	0.16	0.0772 (ppm)	3512.1648
5/10/2019 17:31:12	R1904113-003	Be (313.107 nm)	14.96	0.0000 u (ppm)	-303.7909
5/10/2019 17:31:12	R1904113-003	Ca (227.547 nm)	0.38	40.1664 (ppm)	2296.5231
5/10/2019 17:31:12	R1904113-003	Cd (214.439 nm)	86.73	-0.0002 u (ppm)	5.0063
5/10/2019 17:31:12	R1904113-003	Co (230.786 nm)	> 100.00	-0.0001 u (ppm)	-2.9377
5/10/2019 17:31:12	R1904113-003	Cr (267.716 nm)	11.48	0.0009 (ppm)	47.1578
5/10/2019 17:31:12	R1904113-003	Cu (327.395 nm)	> 100.00	-0.0001 u (ppm)	18.5894
5/10/2019 17:31:12	R1904113-003	Fe (234.350 nm)	1.97	0.0348 (ppm)	431.9100
5/10/2019 17:31:12	R1904113-003	K (766.491 nm)	0.45	0.9888 (ppm)	3293.1385
5/10/2019 17:31:12	R1904113-003	Mg (279.078 nm)	0.25	6.7434 (ppm)	14483.8687
5/10/2019 17:31:12	R1904113-003	Mn (257.610 nm)	0.75	0.0023 (ppm)	721.7798
5/10/2019 17:31:12	R1904113-003	Mo (202.032 nm)	> 100.00	0.0004 u (ppm)	3.9934
5/10/2019 17:31:12	R1904113-003	Na (588.995 nm)	0.10	25.1183 (ppm)	1039968.8643
5/10/2019 17:31:12	R1904113-003	Ni (230.299 nm)	6.07	-0.0026 u (ppm)	-37.1238
5/10/2019 17:31:12	R1904113-003	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	-0.1908
5/10/2019 17:31:12	R1904113-003	Sb (217.582 nm)	81.47	0.0019 (ppm)	-0.9122

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:31:12	R1904113-003	Se (196.026 nm)	77.21	0.0017 (ppm)	0.3464
5/10/2019 17:31:12	R1904113-003	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.5653
5/10/2019 17:31:12	R1904113-003	Sr (216.596 nm)	0.29	0.0730 (ppm)	702.3226
5/10/2019 17:31:12	R1904113-003	Tl (336.122 nm)	1.88	0.0016 (ppm)	283.3568
5/10/2019 17:31:12	R1904113-003	Tl (351.923 nm)	> 100.00	0.0015 u (ppm)	3.2513
5/10/2019 17:31:12	R1904113-003	V (292.401 nm)	49.58	-0.0006 u (ppm)	29.6985
5/10/2019 17:31:12	R1904113-003	Y (360.074 nm)	0.29	1.00 (Ratio)	1134345.48
5/10/2019 17:31:12	R1904113-003	Y_R (360.074 nm)	0.29	1.00 (Ratio)	1136297.02
5/10/2019 17:31:12	R1904113-003	Zn (213.857 nm)	14.92	0.0008 (ppm)	15.4655
5/10/2019 17:34:32	R1904113-004	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-65.8957
5/10/2019 17:34:32	R1904113-004	Al (394.401 nm)	0.29	0.2704 (ppm)	4727.6074
5/10/2019 17:34:32	R1904113-004	As (188.980 nm)	> 100.00	0.0015 u (ppm)	1.0169
5/10/2019 17:34:32	R1904113-004	B (249.772 nm)	0.39	0.0427 (ppm)	1694.0649
5/10/2019 17:34:32	R1904113-004	Ba (230.424 nm)	0.82	0.8399 (ppm)	38026.5187
5/10/2019 17:34:32	R1904113-004	Be (313.107 nm)	81.56	0.0000 u (ppm)	-299.3959
5/10/2019 17:34:32	R1904113-004	Ca (227.547 nm)	0.20	116.6096 o (ppm)	6664.6950
5/10/2019 17:34:32	R1904113-004	Cd (214.439 nm)	45.59	-0.0002 u (ppm)	4.8830
5/10/2019 17:34:32	R1904113-004	Co (230.786 nm)	5.24	0.0011 (ppm)	10.7126
5/10/2019 17:34:32	R1904113-004	Cr (267.716 nm)	12.43	0.0006 (ppm)	37.2379
5/10/2019 17:34:32	R1904113-004	Cu (327.395 nm)	4.41	0.0004 (ppm)	44.8358
5/10/2019 17:34:32	R1904113-004	Fe (234.350 nm)	0.32	0.4256 (ppm)	4468.0296
5/10/2019 17:34:32	R1904113-004	K (766.491 nm)	0.64	1.8951 (ppm)	6286.2570
5/10/2019 17:34:32	R1904113-004	Mg (279.078 nm)	0.21	77.0728 o (ppm)	165180.8516
5/10/2019 17:34:32	R1904113-004	Mn (257.610 nm)	0.30	1.7756 o (ppm)	532738.8214
5/10/2019 17:34:32	R1904113-004	Mo (202.032 nm)	> 100.00	0.0003 u (ppm)	3.2910
5/10/2019 17:34:32	R1904113-004	Na (588.995 nm)	0.40	41.0890 (ppm)	1707000.2208
5/10/2019 17:34:32	R1904113-004	Ni (230.299 nm)	19.48	-0.0052 u (ppm)	-61.1810
5/10/2019 17:34:32	R1904113-004	Pb (220.353 nm)	69.07	-0.0027 u (ppm)	-6.8764
5/10/2019 17:34:32	R1904113-004	Sb (217.582 nm)	28.72	0.0032 (ppm)	0.4737
5/10/2019 17:34:32	R1904113-004	Se (196.026 nm)	54.22	-0.0051 u (ppm)	-2.6487
5/10/2019 17:34:32	R1904113-004	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.5978
5/10/2019 17:34:32	R1904113-004	Sr (216.596 nm)	0.36	0.7063 (ppm)	6807.8332
5/10/2019 17:34:32	R1904113-004	Tl (336.122 nm)	4.38	0.0129 (ppm)	2923.2997
5/10/2019 17:34:32	R1904113-004	Tl (351.923 nm)	> 100.00	0.0019 u (ppm)	4.5127
5/10/2019 17:34:32	R1904113-004	V (292.401 nm)	35.53	-0.0005 u (ppm)	33.8764
5/10/2019 17:34:32	R1904113-004	Y (360.074 nm)	0.32	0.96 (Ratio)	1091645.02
5/10/2019 17:34:32	R1904113-004	Y_R (360.074 nm)	0.32	0.96 (Ratio)	1093456.19
5/10/2019 17:34:32	R1904113-004	Zn (213.857 nm)	1.55	0.0029 (ppm)	83.3438
5/10/2019 17:37:52	R1904113-005	Ag (328.068 nm)	59.10	-0.0001 u (ppm)	-63.1330
5/10/2019 17:37:52	R1904113-005	Al (394.401 nm)	0.69	0.0853 (ppm)	1741.6321
5/10/2019 17:37:52	R1904113-005	As (188.980 nm)	13.01	0.0083 (ppm)	5.1581
5/10/2019 17:37:52	R1904113-005	B (249.772 nm)	0.31	0.0247 (ppm)	1020.8852
5/10/2019 17:37:52	R1904113-005	Ba (230.424 nm)	0.72	0.4501 (ppm)	20387.1568
5/10/2019 17:37:52	R1904113-005	Be (313.107 nm)	62.72	0.0000 (ppm)	-265.7641
5/10/2019 17:37:52	R1904113-005	Ca (227.547 nm)	0.27	90.2358 o (ppm)	5157.6270
5/10/2019 17:37:52	R1904113-005	Cd (214.439 nm)	98.23	0.0001 u (ppm)	11.6128
5/10/2019 17:37:52	R1904113-005	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.2728
5/10/2019 17:37:52	R1904113-005	Cr (267.716 nm)	43.08	0.0004 (ppm)	27.2700
5/10/2019 17:37:52	R1904113-005	Cu (327.395 nm)	87.84	0.0002 u (ppm)	32.5692
5/10/2019 17:37:52	R1904113-005	Fe (234.350 nm)	0.06	12.9939 o (ppm)	134275.7120
5/10/2019 17:37:52	R1904113-005	K (766.491 nm)	1.00	1.4850 (ppm)	4931.8605

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:37:52	R1904113-005	Mg (279.078 nm)	0.08	20.5776 (ppm)	44126.9280
5/10/2019 17:37:52	R1904113-005	Mn (257.610 nm)	0.17	1.2655 (ppm)	379687.7882
5/10/2019 17:37:52	R1904113-005	Mo (202.032 nm)	98.38	-0.0004 u (ppm)	-0.4378
5/10/2019 17:37:52	R1904113-005	Na (588.995 nm)	0.52	7.6721 (ppm)	311317.4004
5/10/2019 17:37:52	R1904113-005	Ni (230.299 nm)	8.63	-0.0063 u (ppm)	-71.7556
5/10/2019 17:37:52	R1904113-005	Pb (220.353 nm)	67.77	-0.0012 u (ppm)	-2.9755
5/10/2019 17:37:52	R1904113-005	Sb (217.582 nm)	62.49	0.0014 (ppm)	-1.4499
5/10/2019 17:37:52	R1904113-005	Se (196.026 nm)	> 100.00	0.0004 u (ppm)	-0.2144
5/10/2019 17:37:52	R1904113-005	Sn (189.925 nm)	77.75	-0.0013 u (ppm)	-1.7717
5/10/2019 17:37:52	R1904113-005	Sr (216.596 nm)	0.46	0.2465 (ppm)	2375.7419
5/10/2019 17:37:52	R1904113-005	Ti (336.122 nm)	4.08	0.0036 (ppm)	738.7407
5/10/2019 17:37:52	R1904113-005	Tl (351.923 nm)	80.88	0.0026 (ppm)	6.4584
5/10/2019 17:37:52	R1904113-005	V (292.401 nm)	5.54	0.0032 (ppm)	145.7439
5/10/2019 17:37:52	R1904113-005	Y (360.074 nm)	0.37	0.99 (Ratio)	1125732.43
5/10/2019 17:37:52	R1904113-005	Y_R (360.074 nm)	0.37	0.99 (Ratio)	1127537.69
5/10/2019 17:37:52	R1904113-005	Zn (213.857 nm)	2.57	0.0028 (ppm)	79.0346
5/10/2019 17:41:11	R1904113-006	Ag (328.068 nm)	18.40	-0.0003 u (ppm)	-75.4640
5/10/2019 17:41:11	R1904113-006	Al (394.401 nm)	> 100.00	-0.0006 u (ppm)	356.9194
5/10/2019 17:41:11	R1904113-006	As (188.980 nm)	2.12	0.1130 (ppm)	68.3617
5/10/2019 17:41:11	R1904113-006	B (249.772 nm)	0.15	1.2486 (ppm)	46644.8666
5/10/2019 17:41:11	R1904113-006	Ba (230.424 nm)	0.74	0.0535 (ppm)	2441.3703
5/10/2019 17:41:11	R1904113-006	Be (313.107 nm)	24.05	0.0000 u (ppm)	-324.5774
5/10/2019 17:41:11	R1904113-006	Ca (227.547 nm)	0.55	3.2274 (ppm)	185.7306
5/10/2019 17:41:11	R1904113-006	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	7.3262
5/10/2019 17:41:11	R1904113-006	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	0.2953
5/10/2019 17:41:11	R1904113-006	Cr (267.716 nm)	16.34	0.0006 (ppm)	37.5885
5/10/2019 17:41:11	R1904113-006	Cu (327.395 nm)	61.18	0.0003 (ppm)	39.4547
5/10/2019 17:41:11	R1904113-006	Fe (234.350 nm)	17.13	0.0019 (ppm)	92.3160
5/10/2019 17:41:11	R1904113-006	K (766.491 nm)	0.20	29.7888 (ppm)	98404.2520
5/10/2019 17:41:11	R1904113-006	Mg (279.078 nm)	0.12	3.1513 (ppm)	6786.9253
5/10/2019 17:41:11	R1904113-006	Mn (257.610 nm)	4.85	0.0003 (ppm)	125.6223
5/10/2019 17:41:11	R1904113-006	Mo (202.032 nm)	3.00	0.0155 (ppm)	84.7402
5/10/2019 17:41:11	R1904113-006	Na (588.995 nm)	0.22	182.6822 u (ppm)	7620758.4596
5/10/2019 17:41:11	R1904113-006	Ni (230.299 nm)	9.66	-0.0049 u (ppm)	-59.1204
5/10/2019 17:41:11	R1904113-006	Pb (220.353 nm)	> 100.00	0.0004 u (ppm)	1.5581
5/10/2019 17:41:11	R1904113-006	Sb (217.582 nm)	38.53	0.0019 (ppm)	-0.8573
5/10/2019 17:41:11	R1904113-006	Se (196.026 nm)	> 100.00	0.0000 u (ppm)	-0.4021
5/10/2019 17:41:11	R1904113-006	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.9142
5/10/2019 17:41:11	R1904113-006	Sr (216.596 nm)	0.64	1.8999 (ppm)	18315.2851
5/10/2019 17:41:11	R1904113-006	Ti (336.122 nm)	10.45	0.0003 (ppm)	-42.6743
5/10/2019 17:41:11	R1904113-006	Tl (351.923 nm)	64.74	-0.0023 u (ppm)	-7.3853
5/10/2019 17:41:11	R1904113-006	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	46.4084
5/10/2019 17:41:11	R1904113-006	Y (360.074 nm)	0.17	0.96 (Ratio)	1088585.65
5/10/2019 17:41:11	R1904113-006	Y_R (360.074 nm)	0.17	0.96 (Ratio)	1090281.22
5/10/2019 17:41:11	R1904113-006	Zn (213.857 nm)	28.90	0.0000 u (ppm)	-9.9179
5/10/2019 17:44:31	R1904113-007	Ag (328.068 nm)	47.61	-0.0001 u (ppm)	-67.3612
5/10/2019 17:44:31	R1904113-007	Al (394.401 nm)	0.17	0.3451 (ppm)	5931.1570
5/10/2019 17:44:31	R1904113-007	As (188.980 nm)	1.82	0.0518 (ppm)	31.4288
5/10/2019 17:44:31	R1904113-007	B (249.772 nm)	0.13	1.1207 (ppm)	41875.0512
5/10/2019 17:44:31	R1904113-007	Ba (230.424 nm)	0.31	0.0713 (ppm)	3244.9721
5/10/2019 17:44:31	R1904113-007	Be (313.107 nm)	16.01	0.0000 u (ppm)	-331.0891

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:44:31	R1904113-007	Ca (227.547 nm)	2.01	2.0420 (ppm)	117.9936
5/10/2019 17:44:31	R1904113-007	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.1252
5/10/2019 17:44:31	R1904113-007	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	0.5937
5/10/2019 17:44:31	R1904113-007	Cr (267.716 nm)	10.57	0.0013 (ppm)	64.1373
5/10/2019 17:44:31	R1904113-007	Cu (327.395 nm)	83.87	0.0002 (ppm)	38.1673
5/10/2019 17:44:31	R1904113-007	Fe (234.350 nm)	84.52	0.0005 (ppm)	77.9111
5/10/2019 17:44:31	R1904113-007	K (766.491 nm)	0.18	64.3923 o (ppm)	212681.5394
5/10/2019 17:44:31	R1904113-007	Mg (279.078 nm)	66.20	-0.0056 u (ppm)	22.5271
5/10/2019 17:44:31	R1904113-007	Mn (257.610 nm)	94.28	0.0000 u (ppm)	44.7221
5/10/2019 17:44:31	R1904113-007	Mo (202.032 nm)	2.62	0.0198 (ppm)	107.7995
5/10/2019 17:44:31	R1904113-007	Na (588.995 nm)	0.18	187.5861 o (ppm)	7825572.6195
5/10/2019 17:44:31	R1904113-007	Ni (230.299 nm)	2.50	-0.0179 u (ppm)	-182.3058
5/10/2019 17:44:31	R1904113-007	Pb (220.353 nm)	> 100.00	0.0010 u (ppm)	3.0133
5/10/2019 17:44:31	R1904113-007	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-2.0330
5/10/2019 17:44:31	R1904113-007	Se (196.026 nm)	62.82	0.0071 (ppm)	2.7106
5/10/2019 17:44:31	R1904113-007	Sn (189.925 nm)	24.00	-0.0016 u (ppm)	-1.9514
5/10/2019 17:44:31	R1904113-007	Sr (216.596 nm)	0.23	2.9161 (ppm)	28112.3938
5/10/2019 17:44:31	R1904113-007	Ti (336.122 nm)	12.39	0.0003 (ppm)	-33.8033
5/10/2019 17:44:31	R1904113-007	Tl (351.923 nm)	28.26	-0.0020 u (ppm)	-6.3919
5/10/2019 17:44:31	R1904113-007	V (292.401 nm)	14.41	0.0004 (ppm)	59.7422
5/10/2019 17:44:31	R1904113-007	Y (360.074 nm)	0.39	0.96 (Ratio)	1090383.02
5/10/2019 17:44:31	R1904113-007	Y_R (360.074 nm)	0.39	0.96 (Ratio)	1092059.98
5/10/2019 17:44:31	R1904113-007	Zn (213.857 nm)	22.28	0.0003 (ppm)	0.0586
5/10/2019 17:47:50	R1904113-008	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.9626
5/10/2019 17:47:50	R1904113-008	Al (304.401 nm)	2.74	0.0407 (ppm)	1022.9269
5/10/2019 17:47:50	R1904113-008	As (188.980 nm)	5.01	0.0575 (ppm)	34.8185
5/10/2019 17:47:50	R1904113-008	B (249.772 nm)	0.15	0.3155 (ppm)	11863.3966
5/10/2019 17:47:50	R1904113-008	Ba (230.424 nm)	0.42	2.6713 (ppm)	120904.8673
5/10/2019 17:47:50	R1904113-008	Be (313.107 nm)	14.25	0.0000 u (ppm)	-318.3985
5/10/2019 17:47:50	R1904113-008	Ca (227.547 nm)	0.09	67.0830 o (ppm)	3834.6135
5/10/2019 17:47:50	R1904113-008	Cd (214.439 nm)	39.17	-0.0002 u (ppm)	5.1397
5/10/2019 17:47:50	R1904113-008	Co (230.786 nm)	60.02	0.0005 (ppm)	4.1539
5/10/2019 17:47:50	R1904113-008	Cr (267.716 nm)	74.95	0.0003 (ppm)	26.2942
5/10/2019 17:47:50	R1904113-008	Cu (327.395 nm)	49.10	-0.0003 u (ppm)	5.9949
5/10/2019 17:47:50	R1904113-008	Fe (234.350 nm)	0.17	4.8886 (ppm)	50563.1643
5/10/2019 17:47:50	R1904113-008	K (766.491 nm)	0.70	2.1054 (ppm)	6980.6091
5/10/2019 17:47:50	R1904113-008	Mg (279.078 nm)	0.21	171.1923 o (ppm)	366853.6853
5/10/2019 17:47:50	R1904113-008	Mn (257.610 nm)	0.12	0.1186 (ppm)	35621.2984
5/10/2019 17:47:50	R1904113-008	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.0589
5/10/2019 17:47:50	R1904113-008	Na (588.995 nm)	0.38	71.0497 o (ppm)	2958332.4591
5/10/2019 17:47:50	R1904113-008	Ni (230.299 nm)	5.65	-0.0081 u (ppm)	-89.1395
5/10/2019 17:47:50	R1904113-008	Pb (220.353 nm)	> 100.00	-0.0009 u (ppm)	-2.1528
5/10/2019 17:47:50	R1904113-008	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-3.4512
5/10/2019 17:47:50	R1904113-008	Se (196.026 nm)	> 100.00	0.0005 u (ppm)	-0.1697
5/10/2019 17:47:50	R1904113-008	Sn (189.925 nm)	26.66	0.0016 (ppm)	0.2052
5/10/2019 17:47:50	R1904113-008	Sr (216.596 nm)	0.28	0.7486 (ppm)	7216.4170
5/10/2019 17:47:50	R1904113-008	Ti (336.122 nm)	2.49	0.0017 (ppm)	293.6679
5/10/2019 17:47:50	R1904113-008	Tl (351.923 nm)	> 100.00	0.0008 u (ppm)	1.4361
5/10/2019 17:47:50	R1904113-008	V (292.401 nm)	> 100.00	-0.0002 u (ppm)	42.3933
5/10/2019 17:47:50	R1904113-008	Y (360.074 nm)	0.42	0.96 (Ratio)	1085932.87
5/10/2019 17:47:50	R1904113-008	Y_R (360.074 nm)	0.42	0.96 (Ratio)	1087619.19

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:47:50	R1904113-008	Zn (213.857 nm)	7.34	0.0012 (ppm)	28.2047
5/10/2019 17:51:10	Continuing Calibration Verification	Ag (328.068 nm)	0.20	0.4937 (ppm)	31757.6428
5/10/2019 17:51:10	Continuing Calibration Verification	Al (394.401 nm)	0.27	9.4535 (ppm)	152819.1573
5/10/2019 17:51:10	Continuing Calibration Verification	As (188.980 nm)	0.48	0.9590 (ppm)	578.9198
5/10/2019 17:51:10	Continuing Calibration Verification	B (249.772 nm)	0.11	2.3857 (ppm)	89030.8979
5/10/2019 17:51:10	Continuing Calibration Verification	Ba (230.424 nm)	0.33	10.1150 (ppm)	457762.0599
5/10/2019 17:51:10	Continuing Calibration Verification	Be (313.107 nm)	0.54	0.2476 (ppm)	310740.0543
5/10/2019 17:51:10	Continuing Calibration Verification	Ca (227.547 nm)	0.43	24.0097 (ppm)	1373.2890
5/10/2019 17:51:10	Continuing Calibration Verification	Cd (214.439 nm)	0.21	0.4832 (ppm)	9564.8067
5/10/2019 17:51:10	Continuing Calibration Verification	Co (230.786 nm)	0.12	2.5588 (ppm)	30385.2362
5/10/2019 17:51:10	Continuing Calibration Verification	Cr (267.716 nm)	0.16	0.4961 (ppm)	19356.9151
5/10/2019 17:51:10	Continuing Calibration Verification	Cu (327.395 nm)	0.27	1.1859 (ppm)	71913.7007
5/10/2019 17:51:10	Continuing Calibration Verification	Fe (234.350 nm)	0.18	4.8072 (ppm)	49722.6809
5/10/2019 17:51:10	Continuing Calibration Verification	K (766.491 nm)	0.56	24.1763 (ppm)	79869.2262
5/10/2019 17:51:10	Continuing Calibration Verification	Mg (279.078 nm)	0.15	24.7663 (ppm)	53102.0499
5/10/2019 17:51:10	Continuing Calibration Verification	Mn (257.610 nm)	0.13	0.7382 (ppm)	221504.6930
5/10/2019 17:51:10	Continuing Calibration Verification	Mo (202.032 nm)	0.31	2.3954 (ppm)	12860.1114
5/10/2019 17:51:10	Continuing Calibration Verification	Na (588.995 nm)	0.22	24.7150 (ppm)	1023128.5356
5/10/2019 17:51:10	Continuing Calibration Verification	Ni (230.299 nm)	0.17	1.9657 (ppm)	18704.9062
5/10/2019 17:51:10	Continuing Calibration Verification	Pb (220.353 nm)	0.14	0.4926 (ppm)	1342.7089
5/10/2019 17:51:10	Continuing Calibration Verification	Sb (217.582 nm)	0.10	4.7038 (ppm)	5060.0826
5/10/2019 17:51:10	Continuing Calibration Verification	Se (196.026 nm)	0.61	0.4774 (ppm)	209.5124
5/10/2019 17:51:10	Continuing Calibration Verification	Sn (189.925 nm)	0.66	4.8789 (ppm)	3340.6895
5/10/2019 17:51:10	Continuing Calibration Verification	Sr (216.596 nm)	0.44	2.4970 (ppm)	24072.4503
5/10/2019 17:51:10	Continuing Calibration Verification	Ti (336.122 nm)	0.24	2.4686 (ppm)	580508.8293
5/10/2019 17:51:10	Continuing Calibration Verification	Tl (351.923 nm)	0.39	0.9940 (ppm)	2785.0788
5/10/2019 17:51:10	Continuing Calibration Verification	V (292.401 nm)	0.09	2.4887 (ppm)	74854.4233
5/10/2019 17:51:10	Continuing Calibration Verification	Y (360.074 nm)	0.65	0.99 (Ratio)	1121796.36
5/10/2019 17:51:10	Continuing Calibration Verification	Y_R (360.074 nm)	0.66	0.99 (Ratio)	1123674.60
5/10/2019 17:51:10	Continuing Calibration Verification	Zn (213.857 nm)	0.12	0.9552 (ppm)	30076.8242
5/10/2019 17:54:29	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.0409
5/10/2019 17:54:29	Continuing Calibration Blank	Al (394.401 nm)	12.89	0.0030 (ppm)	414.5235
5/10/2019 17:54:29	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-0.1361
5/10/2019 17:54:29	Continuing Calibration Blank	B (249.772 nm)	6.96	0.0020 (ppm)	176.6700
5/10/2019 17:54:29	Continuing Calibration Blank	Ba (230.424 nm)	5.33	0.0026 (ppm)	136.8673
5/10/2019 17:54:29	Continuing Calibration Blank	Be (313.107 nm)	5.06	0.0001 (ppm)	-208.5797
5/10/2019 17:54:29	Continuing Calibration Blank	Ca (227.547 nm)	57.88	0.0479 (ppm)	4.0457
5/10/2019 17:54:29	Continuing Calibration Blank	Cd (214.439 nm)	93.26	0.0001 (ppm)	10.6823
5/10/2019 17:54:29	Continuing Calibration Blank	Co (230.786 nm)	21.40	0.0007 (ppm)	6.6152
5/10/2019 17:54:29	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.2541
5/10/2019 17:54:29	Continuing Calibration Blank	Cu (327.395 nm)	35.32	0.0002 (ppm)	36.5133
5/10/2019 17:54:29	Continuing Calibration Blank	Fe (234.350 nm)	13.93	0.0041 (ppm)	115.1831
5/10/2019 17:54:29	Continuing Calibration Blank	K (766.491 nm)	62.69	0.0202 (ppm)	94.3695
5/10/2019 17:54:29	Continuing Calibration Blank	Mg (279.078 nm)	17.15	0.0139 (ppm)	64.2502
5/10/2019 17:54:29	Continuing Calibration Blank	Mn (257.610 nm)	14.07	0.0002 (ppm)	97.8061
5/10/2019 17:54:29	Continuing Calibration Blank	Mo (202.032 nm)	16.62	0.0040 (ppm)	23.2790
5/10/2019 17:54:29	Continuing Calibration Blank	Na (588.995 nm)	6.70	0.0317 (ppm)	-7780.3122
5/10/2019 17:54:29	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0005 u (ppm)	-7.2084
5/10/2019 17:54:29	Continuing Calibration Blank	Pb (220.353 nm)	36.90	0.0009 (ppm)	3.0019
5/10/2019 17:54:29	Continuing Calibration Blank	Sb (217.582 nm)	20.54	0.0035 (ppm)	0.8789
5/10/2019 17:54:29	Continuing Calibration Blank	Se (196.026 nm)	31.01	0.0037 (ppm)	1.2102

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 17:54:29	Continuing Calibration Blank	Sn (189.925 nm)	38.97	0.0023 (ppm)	0.7019
5/10/2019 17:54:29	Continuing Calibration Blank	Sr (216.596 nm)	15.11	0.0009 (ppm)	8.0913
5/10/2019 17:54:29	Continuing Calibration Blank	Ti (336.122 nm)	13.09	0.0020 (ppm)	367.5536
5/10/2019 17:54:29	Continuing Calibration Blank	Tl (351.923 nm)	67.63	0.0027 (ppm)	6.5249
5/10/2019 17:54:29	Continuing Calibration Blank	V (292.401 nm)	21.05	0.0004 (ppm)	61.6922
5/10/2019 17:54:29	Continuing Calibration Blank	Y (360.074 nm)	0.31	1.03 (Ratio)	1165167.48
5/10/2019 17:54:29	Continuing Calibration Blank	Y_R (360.074 nm)	0.31	1.03 (Ratio)	1167400.52
5/10/2019 17:54:29	Continuing Calibration Blank	Zn (213.857 nm)	61.88	0.0001 (ppm)	-5.2078
5/10/2019 17:57:49	R1904123-001	Ag (328.068 nm)	> 100.00	0.0001 (ppm)	-51.9132
5/10/2019 17:57:49	R1904123-001	Al (394.401 nm)	0.06	2.2255 (ppm)	36255.8721
5/10/2019 17:57:49	R1904123-001	As (188.980 nm)	> 100.00	0.0043 (ppm)	2.7337
5/10/2019 17:57:49	R1904123-001	B (249.772 nm)	0.41	0.0276 (ppm)	1127.9860
5/10/2019 17:57:49	R1904123-001	Ba (230.424 nm)	0.45	0.8292 (ppm)	37544.2107
5/10/2019 17:57:49	R1904123-001	Be (313.107 nm)	7.56	0.0001 (ppm)	-178.7859
5/10/2019 17:57:49	R1904123-001	Ca (227.547 nm)	0.10	213.1677 o (ppm)	12182.2929
5/10/2019 17:57:49	R1904123-001	Cd (214.439 nm)	1.68	0.0060 (ppm)	127.0370
5/10/2019 17:57:49	R1904123-001	Co (230.786 nm)	62.02	0.0007 (ppm)	5.7644
5/10/2019 17:57:49	R1904123-001	Cr (267.716 nm)	4.15	0.0027 (ppm)	119.7900
5/10/2019 17:57:49	R1904123-001	Cu (327.395 nm)	2.37	0.0054 (ppm)	348.1197
5/10/2019 17:57:49	R1904123-001	Fe (234.350 nm)	0.24	9.3471 (ppm)	96610.6806
5/10/2019 17:57:49	R1904123-001	K (766.491 nm)	0.20	29.4722 (ppm)	97358.9279
5/10/2019 17:57:49	R1904123-001	Mg (279.078 nm)	0.15	52.1153 (ppm)	111703.6847
5/10/2019 17:57:49	R1904123-001	Mn (257.610 nm)	0.24	0.7608 (ppm)	228295.0406
5/10/2019 17:57:49	R1904123-001	Mo (202.032 nm)	18.80	0.0019 (ppm)	12.0378
5/10/2019 17:57:49	R1904123-001	Na (588.995 nm)	0.29	242.6742 o (ppm)	10126369.7430
5/10/2019 17:57:49	R1904123-001	Ni (230.299 nm)	8.79	-0.0092 u (ppm)	-99.6147
5/10/2019 17:57:49	R1904123-001	Pb (220.353 nm)	> 100.00	0.0003 u (ppm)	1.2764
5/10/2019 17:57:49	R1904123-001	Sb (217.582 nm)	> 100.00	0.0011 u (ppm)	-1.7229
5/10/2019 17:57:49	R1904123-001	Se (196.026 nm)	> 100.00	-0.0016 u (ppm)	-1.1014
5/10/2019 17:57:49	R1904123-001	Sn (189.925 nm)	> 100.00	0.0009 u (ppm)	-0.2547
5/10/2019 17:57:49	R1904123-001	Sr (216.596 nm)	0.71	1.0229 (ppm)	9860.2734
5/10/2019 17:57:49	R1904123-001	Ti (336.122 nm)	1.86	0.0812 (ppm)	19007.1854
5/10/2019 17:57:49	R1904123-001	Tl (351.923 nm)	34.14	0.0052 (ppm)	13.5844
5/10/2019 17:57:49	R1904123-001	V (292.401 nm)	9.89	0.0027 (ppm)	129.4679
5/10/2019 17:57:49	R1904123-001	Y (360.074 nm)	0.34	0.92 (Ratio)	1047183.86
5/10/2019 17:57:49	R1904123-001	Y_R (360.074 nm)	0.34	0.92 (Ratio)	1048730.00
5/10/2019 17:57:49	R1904123-001	Zn (213.857 nm)	0.68	0.0139 (ppm)	428.6881
5/10/2019 18:01:08	R1904123-002	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-59.7440
5/10/2019 18:01:08	R1904123-002	Al (394.401 nm)	0.03	3.3479 (ppm)	54356.2953
5/10/2019 18:01:08	R1904123-002	As (188.980 nm)	> 100.00	0.0009 u (ppm)	0.7025
5/10/2019 18:01:08	R1904123-002	B (249.772 nm)	0.37	0.0624 (ppm)	2427.6371
5/10/2019 18:01:08	R1904123-002	Ba (230.424 nm)	0.34	0.3171 (ppm)	14370.4216
5/10/2019 18:01:08	R1904123-002	Be (313.107 nm)	1.64	0.0001 (ppm)	-133.9578
5/10/2019 18:01:08	R1904123-002	Ca (227.547 nm)	0.08	131.4923 o (ppm)	7515.1374
5/10/2019 18:01:08	R1904123-002	Cd (214.439 nm)	2.77	0.0048 (ppm)	102.7085
5/10/2019 18:01:08	R1904123-002	Co (230.786 nm)	44.04	0.0007 (ppm)	6.6196
5/10/2019 18:01:08	R1904123-002	Cr (267.716 nm)	4.36	0.0047 (ppm)	196.3916
5/10/2019 18:01:08	R1904123-002	Cu (327.395 nm)	1.64	0.0041 (ppm)	274.1580
5/10/2019 18:01:08	R1904123-002	Fe (234.350 nm)	0.05	3.6178 (ppm)	37438.0557
5/10/2019 18:01:08	R1904123-002	K (766.491 nm)	0.21	12.8924 (ppm)	42604.3790
5/10/2019 18:01:08	R1904123-002	Mg (279.078 nm)	0.06	41.6901 (ppm)	89365.2161

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:01:08	R1904123-002	Mn (257.610 nm)	0.08	0.2884 (ppm)	86579.0041
5/10/2019 18:01:08	R1904123-002	Mo (202.032 nm)	30.58	0.0003 (ppm)	3.2282
5/10/2019 18:01:08	R1904123-002	Na (588.995 nm)	0.35	52.6379 (ppm)	2189348.8130
5/10/2019 18:01:08	R1904123-002	Ni (230.299 nm)	6.50	-0.0150 u (ppm)	-154.4857
5/10/2019 18:01:08	R1904123-002	Pb (220.353 nm)	> 100.00	-0.0004 u (ppm)	-0.7266
5/10/2019 18:01:08	R1904123-002	Sb (217.582 nm)	> 100.00	-0.0007 u (ppm)	-3.7305
5/10/2019 18:01:08	R1904123-002	Se (196.026 nm)	> 100.00	-0.0026 u (ppm)	-1.5281
5/10/2019 18:01:08	R1904123-002	Sn (189.925 nm)	31.20	-0.0016 u (ppm)	-1.9631
5/10/2019 18:01:08	R1904123-002	Sr (216.596 nm)	0.66	1.4870 (ppm)	14334.8695
5/10/2019 18:01:08	R1904123-002	Ti (336.122 nm)	0.18	0.1537 (ppm)	36046.9122
5/10/2019 18:01:08	R1904123-002	Tl (351.923 nm)	> 100.00	-0.0004 u (ppm)	-1.9920
5/10/2019 18:01:08	R1904123-002	V (292.401 nm)	0.82	0.0023 (ppm)	118.3585
5/10/2019 18:01:08	R1904123-002	Y (360.074 nm)	0.51	0.97 (Ratio)	1102106.40
5/10/2019 18:01:08	R1904123-002	Y_R (360.074 nm)	0.51	0.97 (Ratio)	1103918.05
5/10/2019 18:01:08	R1904123-002	Zn (213.857 nm)	2.09	0.0106 (ppm)	325.1516
5/10/2019 18:04:28	R1904123-002S	Ag (328.068 nm)	0.33	0.0524 (ppm)	3315.6740
5/10/2019 18:04:28	R1904123-002S	Al (394.401 nm)	0.26	5.3660 (ppm)	86901.7517
5/10/2019 18:04:28	R1904123-002S	As (188.980 nm)	3.70	0.0382 (ppm)	23.1637
5/10/2019 18:04:28	R1904123-002S	B (249.772 nm)	0.15	1.1033 (ppm)	41227.6789
5/10/2019 18:04:28	R1904123-002S	Ba (230.424 nm)	0.52	2.3668 (ppm)	107128.4445
5/10/2019 18:04:28	R1904123-002S	Be (313.107 nm)	0.26	0.0507 (ppm)	63427.4865
5/10/2019 18:04:28	R1904123-002S	Ca (227.547 nm)	0.14	133.3399 o (ppm)	7620.7133
5/10/2019 18:04:28	R1904123-002S	Cd (214.439 nm)	0.45	0.0545 (ppm)	1086.1673
5/10/2019 18:04:28	R1904123-002S	Co (230.786 nm)	0.07	0.5043 (ppm)	5986.8842
5/10/2019 18:04:28	R1904123-002S	Cr (267.716 nm)	0.05	0.2083 (ppm)	8134.0515
5/10/2019 18:04:28	R1904123-002S	Cu (327.395 nm)	0.67	0.2499 (ppm)	18170.4653
5/10/2019 18:04:28	R1904123-002S	Fe (234.350 nm)	0.18	4.6714 (ppm)	48319.4806
5/10/2019 18:04:28	R1904123-002S	K (766.491 nm)	0.22	33.5249 (ppm)	110742.8338
5/10/2019 18:04:28	R1904123-002S	Mg (279.078 nm)	0.18	43.3624 (ppm)	92948.4719
5/10/2019 18:04:28	R1904123-002S	Mn (257.610 nm)	0.20	0.7866 (ppm)	236019.5235
5/10/2019 18:04:28	R1904123-002S	Mo (202.032 nm)	0.41	0.4969 (ppm)	2669.0400
5/10/2019 18:04:28	R1904123-002S	Na (588.995 nm)	0.63	71.2065 o (ppm)	2964882.2391
5/10/2019 18:04:28	R1904123-002S	Ni (230.299 nm)	0.13	0.4743 (ppm)	4504.1602
5/10/2019 18:04:28	R1904123-002S	Pb (220.353 nm)	0.29	0.5033 (ppm)	1371.7951
5/10/2019 18:04:28	R1904123-002S	Sb (217.582 nm)	0.82	0.4943 (ppm)	529.0673
5/10/2019 18:04:28	R1904123-002S	Se (196.026 nm)	0.65	1.0716 (ppm)	470.7392
5/10/2019 18:04:28	R1904123-002S	Sn (189.925 nm)	0.39	5.0746 (ppm)	3474.6892
5/10/2019 18:04:28	R1904123-002S	Sr (216.596 nm)	0.69	3.4976 (ppm)	33718.5207
5/10/2019 18:04:28	R1904123-002S	Ti (336.122 nm)	0.10	0.6639 (ppm)	156042.6354
5/10/2019 18:04:28	R1904123-002S	Tl (351.923 nm)	0.30	2.0449 (ppm)	5730.6942
5/10/2019 18:04:28	R1904123-002S	V (292.401 nm)	0.18	0.5046 (ppm)	15215.0004
5/10/2019 18:04:28	R1904123-002S	Y (360.074 nm)	0.40	0.96 (Ratio)	1091550.48
5/10/2019 18:04:28	R1904123-002S	Y_R (360.074 nm)	0.40	0.96 (Ratio)	1093393.52
5/10/2019 18:04:28	R1904123-002S	Zn (213.857 nm)	0.43	0.5150 (ppm)	16214.1880
5/10/2019 18:07:49	R1904123-002SD	Ag (328.068 nm)	0.30	0.0523 (ppm)	3310.6699
5/10/2019 18:07:49	R1904123-002SD	Al (394.401 nm)	0.25	5.4213 (ppm)	87794.6403
5/10/2019 18:07:49	R1904123-002SD	As (188.980 nm)	7.83	0.0384 (ppm)	23.3102
5/10/2019 18:07:49	R1904123-002SD	B (249.772 nm)	0.19	1.1086 (ppm)	41423.5981
5/10/2019 18:07:49	R1904123-002SD	Ba (230.424 nm)	0.35	2.3816 (ppm)	107796.5272
5/10/2019 18:07:49	R1904123-002SD	Be (313.107 nm)	0.08	0.0509 (ppm)	63651.9820
5/10/2019 18:07:49	R1904123-002SD	Ca (227.547 nm)	0.21	135.0460 o (ppm)	7718.2019

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:07:49	R1904123-002SD	Cd (214.439 nm)	0.55	0.0544 (ppm)	1083.7852
5/10/2019 18:07:49	R1904123-002SD	Co (230.786 nm)	0.16	0.5052 (ppm)	5997.7576
5/10/2019 18:07:49	R1904123-002SD	Cr (267.716 nm)	0.20	0.2090 (ppm)	8161.1271
5/10/2019 18:07:49	R1904123-002SD	Cu (327.395 nm)	0.31	0.2509 (ppm)	15233.2179
5/10/2019 18:07:49	R1904123-002SD	Fe (234.350 nm)	0.20	4.7171 (ppm)	48791.1673
5/10/2019 18:07:49	R1904123-002SD	K (766.491 nm)	0.24	33.8799 (ppm)	111914.9573
5/10/2019 18:07:49	R1904123-002SD	Mg (279.078 nm)	0.22	43.8945 (ppm)	94088.7296
5/10/2019 18:07:49	R1904123-002SD	Mn (257.610 nm)	0.15	0.7915 (ppm)	237487.4092
5/10/2019 18:07:49	R1904123-002SD	Mo (202.032 nm)	0.37	0.4996 (ppm)	2683.8371
5/10/2019 18:07:49	R1904123-002SD	Na (588.995 nm)	0.20	72.0537 o (ppm)	3000266.7174
5/10/2019 18:07:49	R1904123-002SD	Ni (230.299 nm)	0.23	0.4758 (ppm)	4518.6682
5/10/2019 18:07:49	R1904123-002SD	Pb (220.353 nm)	0.31	0.5061 (ppm)	1379.6073
5/10/2019 18:07:49	R1904123-002SD	Sb (217.582 nm)	0.56	0.4946 (ppm)	529.3968
5/10/2019 18:07:49	R1904123-002SD	Se (196.026 nm)	0.86	1.0803 (ppm)	474.5680
5/10/2019 18:07:49	R1904123-002SD	Sn (189.925 nm)	0.50	5.0746 (ppm)	3474.6959
5/10/2019 18:07:49	R1904123-002SD	Sr (216.596 nm)	0.26	3.5241 (ppm)	33973.8579
5/10/2019 18:07:49	R1904123-002SD	Ti (336.122 nm)	0.08	0.6663 (ppm)	156618.0092
5/10/2019 18:07:49	R1904123-002SD	Ti (351.923 nm)	0.29	2.0501 (ppm)	5745.1583
5/10/2019 18:07:49	R1904123-002SD	V (292.401 nm)	0.13	0.5056 (ppm)	15244.9099
5/10/2019 18:07:49	R1904123-002SD	Y (360.074 nm)	0.38	0.96 (Ratio)	1089241.50
5/10/2019 18:07:49	R1904123-002SD	Y_R (360.074 nm)	0.38	0.96 (Ratio)	1091119.05
5/10/2019 18:07:49	R1904123-002SD	Zn (213.857 nm)	0.24	0.5176 (ppm)	16294.8351
5/10/2019 18:11:09	R1904123-002A	Ag (328.068 nm)	0.02	0.0489 (ppm)	3095.4436
5/10/2019 18:11:09	R1904123-002A	Al (394.401 nm)	0.17	5.1574 (ppm)	83538.3821
5/10/2019 18:11:09	R1904123-002A	As (188.980 nm)	14.74	0.0352 (ppm)	21.3849
5/10/2019 18:11:09	R1904123-002A	B (249.772 nm)	0.26	1.0547 (ppm)	39416.1504
5/10/2019 18:11:09	R1904123-002A	Ba (230.424 nm)	0.81	2.2470 (ppm)	101706.8685
5/10/2019 18:11:09	R1904123-002A	Be (313.107 nm)	0.30	0.0478 (ppm)	59802.3387
5/10/2019 18:11:09	R1904123-002A	Ca (227.547 nm)	0.14	130.1579 o (ppm)	7438.8822
5/10/2019 18:11:09	R1904123-002A	Cd (214.439 nm)	1.22	0.0514 (ppm)	1025.6906
5/10/2019 18:11:09	R1904123-002A	Co (230.786 nm)	0.18	0.4755 (ppm)	5644.8318
5/10/2019 18:11:09	R1904123-002A	Cr (267.716 nm)	0.17	0.1965 (ppm)	7675.3508
5/10/2019 18:11:09	R1904123-002A	Cu (327.395 nm)	0.20	0.2351 (ppm)	14275.3811
5/10/2019 18:11:09	R1904123-002A	Fe (234.350 nm)	0.21	4.4300 (ppm)	45826.8402
5/10/2019 18:11:09	R1904123-002A	K (766.491 nm)	0.30	32.0747 (ppm)	105953.4710
5/10/2019 18:11:09	R1904123-002A	Mg (279.078 nm)	0.28	42.3974 (ppm)	90880.7763
5/10/2019 18:11:09	R1904123-002A	Mn (257.610 nm)	0.28	0.7527 (ppm)	225860.6174
5/10/2019 18:11:09	R1904123-002A	Mo (202.032 nm)	0.49	0.4669 (ppm)	2508.1771
5/10/2019 18:11:09	R1904123-002A	Na (588.995 nm)	0.14	69.0503 o (ppm)	2874827.5210
5/10/2019 18:11:09	R1904123-002A	Ni (230.299 nm)	0.38	0.4481 (ppm)	4254.6296
5/10/2019 18:11:09	R1904123-002A	Pb (220.353 nm)	0.39	0.4771 (ppm)	1300.5593
5/10/2019 18:11:09	R1904123-002A	Sb (217.582 nm)	1.01	0.4661 (ppm)	498.7708
5/10/2019 18:11:09	R1904123-002A	Se (196.026 nm)	0.67	1.0853 (ppm)	476.7710
5/10/2019 18:11:09	R1904123-002A	Sn (189.925 nm)	0.09	4.8838 (ppm)	3343.9941
5/10/2019 18:11:09	R1904123-002A	Sr (216.596 nm)	0.52	3.4695 (ppm)	33448.0477
5/10/2019 18:11:09	R1904123-002A	Ti (336.122 nm)	0.18	0.6261 (ppm)	147146.7670
5/10/2019 18:11:09	R1904123-002A	Ti (351.923 nm)	0.10	1.9364 (ppm)	5426.4842
5/10/2019 18:11:09	R1904123-002A	V (292.401 nm)	0.25	0.4753 (ppm)	14334.1761
5/10/2019 18:11:09	R1904123-002A	Y (360.074 nm)	0.35	0.96 (Ratio)	1091499.27
5/10/2019 18:11:09	R1904123-002A	Y_R (360.074 nm)	0.35	0.96 (Ratio)	1093361.03
5/10/2019 18:11:09	R1904123-002A	Zn (213.857 nm)	0.43	0.4864 (ppm)	15310.7927

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:14:28	R1904123-002L	Ag (328.068 nm)	92.50	-0.0001 u (ppm)	-67.8594
5/10/2019 18:14:28	R1904123-002L	Al (394.401 nm)	0.20	0.6108 (ppm)	10216.0377
5/10/2019 18:14:28	R1904123-002L	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.6150
5/10/2019 18:14:28	R1904123-002L	B (249.772 nm)	1.39	0.0127 (ppm)	572.8022
5/10/2019 18:14:28	R1904123-002L	Ba (230.424 nm)	0.05	0.0645 (ppm)	2937.3382
5/10/2019 18:14:28	R1904123-002L	Be (313.107 nm)	18.36	0.0000 (ppm)	-235.7922
5/10/2019 18:14:28	R1904123-002L	Ca (227.547 nm)	0.11	24.2085 (ppm)	1384.6435
5/10/2019 18:14:28	R1904123-002L	Cd (214.439 nm)	11.94	0.0010 (ppm)	27.8020
5/10/2019 18:14:28	R1904123-002L	Co (230.786 nm)	24.53	0.0005 (ppm)	3.7546
5/10/2019 18:14:28	R1904123-002L	Cr (267.716 nm)	8.36	0.0010 (ppm)	50.1312
5/10/2019 18:14:28	R1904123-002L	Cu (327.395 nm)	2.89	0.0006 (ppm)	58.7807
5/10/2019 18:14:28	R1904123-002L	Fe (234.350 nm)	0.05	0.7197 (ppm)	7505.7939
5/10/2019 18:14:28	R1904123-002L	K (766.491 nm)	0.39	2.3177 (ppm)	7681.9154
5/10/2019 18:14:28	R1904123-002L	Mg (279.078 nm)	0.02	8.0490 (ppm)	17281.3144
5/10/2019 18:14:28	R1904123-002L	Mn (257.610 nm)	0.09	0.0577 (ppm)	17360.9487
5/10/2019 18:14:28	R1904123-002L	Mo (202.032 nm)	23.29	0.0014 (ppm)	9.0223
5/10/2019 18:14:28	R1904123-002L	Na (588.995 nm)	0.26	10.2717 (ppm)	419888.1588
5/10/2019 18:14:28	R1904123-002L	Ni (230.299 nm)	34.05	-0.0028 u (ppm)	-39.1204
5/10/2019 18:14:28	R1904123-002L	Pb (220.353 nm)	> 100.00	0.0001 u (ppm)	0.6924
5/10/2019 18:14:28	R1904123-002L	Sb (217.582 nm)	22.60	0.0035 (ppm)	0.8397
5/10/2019 18:14:28	R1904123-002L	Se (196.026 nm)	> 100.00	-0.0042 u (ppm)	-2.2424
5/10/2019 18:14:28	R1904123-002L	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.4758
5/10/2019 18:14:28	R1904123-002L	Sr (216.596 nm)	0.39	0.2979 (ppm)	2871.0256
5/10/2019 18:14:28	R1904123-002L	Ti (336.122 nm)	0.42	0.0310 (ppm)	7186.3144
5/10/2019 18:14:28	R1904123-002L	Tl (351.923 nm)	84.11	0.0037 (ppm)	9.4613
5/10/2019 18:14:28	R1904123-002L	V (292.401 nm)	39.98	0.0004 (ppm)	59.9771
5/10/2019 18:14:28	R1904123-002L	Y (360.074 nm)	0.51	1.01 (Ratio)	1147244.16
5/10/2019 18:14:28	R1904123-002L	Y_R (360.074 nm)	0.51	1.01 (Ratio)	1149501.62
5/10/2019 18:14:28	R1904123-002L	Zn (213.857 nm)	7.46	0.0023 (ppm)	63.0439
5/10/2019 18:17:47	R1904123-003	Ag (328.068 nm)	24.60	-0.0001 u (ppm)	-65.6830
5/10/2019 18:17:47	R1904123-003	Al (394.401 nm)	0.30	0.3230 (ppm)	5575.4314
5/10/2019 18:17:47	R1904123-003	As (188.980 nm)	78.47	-0.0017 u (ppm)	-0.8804
5/10/2019 18:17:47	R1904123-003	B (249.772 nm)	0.35	0.0605 (ppm)	2354.7475
5/10/2019 18:17:47	R1904123-003	Ba (230.424 nm)	0.29	0.0564 (ppm)	2572.2916
5/10/2019 18:17:47	R1904123-003	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-293.1256
5/10/2019 18:17:47	R1904123-003	Ca (227.547 nm)	0.42	77.7467 o (ppm)	4443.9675
5/10/2019 18:17:47	R1904123-003	Cd (214.439 nm)	39.83	-0.0004 u (ppm)	1.1436
5/10/2019 18:17:47	R1904123-003	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.2377
5/10/2019 18:17:47	R1904123-003	Cr (267.716 nm)	18.53	0.0006 (ppm)	38.0422
5/10/2019 18:17:47	R1904123-003	Cu (327.395 nm)	23.23	-0.0004 u (ppm)	2.0302
5/10/2019 18:17:47	R1904123-003	Fe (234.350 nm)	0.46	0.4583 (ppm)	4805.8341
5/10/2019 18:17:47	R1904123-003	K (766.491 nm)	0.17	2.5505 (ppm)	8450.6636
5/10/2019 18:17:47	R1904123-003	Mg (279.078 nm)	0.36	35.7651 (ppm)	76669.4953
5/10/2019 18:17:47	R1904123-003	Mn (257.610 nm)	0.32	0.1421 (ppm)	42665.8883
5/10/2019 18:17:47	R1904123-003	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	2.2081
5/10/2019 18:17:47	R1904123-003	Na (588.995 nm)	0.13	26.5054 (ppm)	1097903.4577
5/10/2019 18:17:47	R1904123-003	Ni (230.299 nm)	10.43	-0.0081 u (ppm)	-88.8041
5/10/2019 18:17:47	R1904123-003	Pb (220.353 nm)	> 100.00	-0.0008 u (ppm)	-1.7746
5/10/2019 18:17:47	R1904123-003	Sb (217.582 nm)	72.01	0.0009 (ppm)	-1.8995
5/10/2019 18:17:47	R1904123-003	Se (196.026 nm)	> 100.00	-0.0048 u (ppm)	-2.5150
5/10/2019 18:17:47	R1904123-003	Sn (189.925 nm)	> 100.00	-0.0003 u (ppm)	-1.0762

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:17:47	R1904123-003	Sr (216.596 nm)	1.50	1.0302 (ppm)	9931.0199
5/10/2019 18:17:47	R1904123-003	Ti (336.122 nm)	0.55	0.0098 (ppm)	2205.5845
5/10/2019 18:17:47	R1904123-003	Ti (351.923 nm)	> 100.00	0.0014 u (ppm)	2.9639
5/10/2019 18:17:47	R1904123-003	V (292.401 nm)	55.03	-0.0004 u (ppm)	35.4359
5/10/2019 18:17:47	R1904123-003	Y (360.074 nm)	0.29	0.99 (Ratio)	1123752.58
5/10/2019 18:17:47	R1904123-003	Y_R (360.074 nm)	0.29	0.99 (Ratio)	1125878.75
5/10/2019 18:17:47	R1904123-003	Zn (213.857 nm)	2.91	0.0015 (ppm)	38.6501
5/10/2019 18:21:07	R1904123-004	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-61.6828
5/10/2019 18:21:07	R1904123-004	Al (394.401 nm)	0.12	0.3856 (ppm)	6584.9568
5/10/2019 18:21:07	R1904123-004	As (188.980 nm)	66.20	-0.0023 u (ppm)	-1.2406
5/10/2019 18:21:07	R1904123-004	B (249.772 nm)	0.16	0.0509 (ppm)	2369.7396
5/10/2019 18:21:07	R1904123-004	Ba (230.424 nm)	0.14	0.0572 (ppm)	2605.9296
5/10/2019 18:21:07	R1904123-004	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.5384
5/10/2019 18:21:07	R1904123-004	Ca (227.547 nm)	0.15	78.7484 o (ppm)	4501.0891
5/10/2019 18:21:07	R1904123-004	Cd (214.439 nm)	48.31	-0.0002 u (ppm)	5.3754
5/10/2019 18:21:07	R1904123-004	Co (230.786 nm)	24.69	0.0003 (ppm)	1.1826
5/10/2019 18:21:07	R1904123-004	Cr (267.716 nm)	35.17	0.0006 (ppm)	36.2347
5/10/2019 18:21:07	R1904123-004	Cu (327.395 nm)	3.11	-0.0005 u (ppm)	-5.3472
5/10/2019 18:21:07	R1904123-004	Fe (234.350 nm)	0.13	0.5151 (ppm)	5393.2135
5/10/2019 18:21:07	R1904123-004	K (766.491 nm)	0.68	2.6009 (ppm)	8616.9487
5/10/2019 18:21:07	R1904123-004	Mg (279.078 nm)	0.09	36.1410 (ppm)	77475.0402
5/10/2019 18:21:07	R1904123-004	Mn (257.610 nm)	0.08	0.1438 (ppm)	43178.3511
5/10/2019 18:21:07	R1904123-004	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.4554
5/10/2019 18:21:07	R1904123-004	Na (588.995 nm)	0.44	26.9213 (ppm)	1115273.2562
5/10/2019 18:21:07	R1904123-004	Ni (230.299 nm)	10.31	-0.0089 u (ppm)	-96.8443
5/10/2019 18:21:07	R1904123-004	Pb (220.353 nm)	47.94	-0.0014 u (ppm)	-3.3765
5/10/2019 18:21:07	R1904123-004	Sb (217.582 nm)	86.45	0.0018 (ppm)	-1.0465
5/10/2019 18:21:07	R1904123-004	Se (196.026 nm)	> 100.00	-0.0027 u (ppm)	-1.5621
5/10/2019 18:21:07	R1904123-004	Sn (189.925 nm)	> 100.00	0.0003 u (ppm)	-0.6911
5/10/2019 18:21:07	R1904123-004	Sr (216.596 nm)	0.57	1.0460 (ppm)	10082.9504
5/10/2019 18:21:07	R1904123-004	Ti (336.122 nm)	1.40	0.0111 (ppm)	2499.0581
5/10/2019 18:21:07	R1904123-004	Ti (351.923 nm)	21.07	0.0061 (ppm)	16.2290
5/10/2019 18:21:07	R1904123-004	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	44.2066
5/10/2019 18:21:07	R1904123-004	Y (360.074 nm)	0.42	0.98 (Ratio)	1119412.08
5/10/2019 18:21:07	R1904123-004	Y_R (360.074 nm)	0.43	0.99 (Ratio)	1121482.92
5/10/2019 18:21:07	R1904123-004	Zn (213.857 nm)	3.71	0.0014 (ppm)	35.6015
5/10/2019 18:24:27	R1904123-005	Ag (328.068 nm)	61.03	-0.0002 u (ppm)	-71.3646
5/10/2019 18:24:27	R1904123-005	Al (394.401 nm)	0.05	0.4785 (ppm)	8083.5491
5/10/2019 18:24:27	R1904123-005	As (188.980 nm)	> 100.00	0.0009 u (ppm)	0.6706
5/10/2019 18:24:27	R1904123-005	B (249.772 nm)	0.42	0.0171 (ppm)	738.4762
5/10/2019 18:24:27	R1904123-005	Ba (230.424 nm)	0.20	0.0941 (ppm)	4279.8080
5/10/2019 18:24:27	R1904123-005	Be (313.107 nm)	61.81	0.0000 (ppm)	-272.2321
5/10/2019 18:24:27	R1904123-005	Ca (227.547 nm)	0.23	125.3361 o (ppm)	7163.3532
5/10/2019 18:24:27	R1904123-005	Cd (214.439 nm)	62.77	0.0001 (ppm)	11.3584
5/10/2019 18:24:27	R1904123-005	Co (230.786 nm)	92.90	0.0004 u (ppm)	1.9301
5/10/2019 18:24:27	R1904123-005	Cr (267.716 nm)	3.60	0.0024 (ppm)	105.6979
5/10/2019 18:24:27	R1904123-005	Cu (327.395 nm)	0.08	0.3409 (ppm)	20689.4551
5/10/2019 18:24:27	R1904123-005	Fe (234.350 nm)	0.29	3.3338 (ppm)	34504.5300
5/10/2019 18:24:27	R1904123-005	K (766.491 nm)	0.13	3.7008 (ppm)	12249.4553
5/10/2019 18:24:27	R1904123-005	Mg (279.078 nm)	0.19	20.2596 (ppm)	43445.4482
5/10/2019 18:24:27	R1904123-005	Mn (257.610 nm)	0.14	0.2081 (ppm)	62483.6977

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:24:27	R1904123-005	Mo (202.032 nm)	> 100.00	0.0002 u (ppm)	2.7713
5/10/2019 18:24:27	R1904123-005	Na (588.995 nm)	0.13	28.4898 (ppm)	1180782.5124
5/10/2019 18:24:27	R1904123-005	Ni (230.299 nm)	20.69	-0.0049 u (ppm)	-58.2905
5/10/2019 18:24:27	R1904123-005	Pb (220.353 nm)	7.53	0.0010 (ppm)	3.2251
5/10/2019 18:24:27	R1904123-005	Sb (217.582 nm)	> 100.00	0.0014 u (ppm)	-1.3978
5/10/2019 18:24:27	R1904123-005	Se (196.026 nm)	57.62	-0.0061 u (ppm)	-3.0839
5/10/2019 18:24:27	R1904123-005	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.6213
5/10/2019 18:24:27	R1904123-005	Sr (216.596 nm)	0.11	0.4532 (ppm)	4368.3408
5/10/2019 18:24:27	R1904123-005	Ti (336.122 nm)	2.98	0.0088 (ppm)	1972.0767
5/10/2019 18:24:27	R1904123-005	Tl (351.923 nm)	80.01	0.0033 (ppm)	8.2264
5/10/2019 18:24:27	R1904123-005	V (292.401 nm)	> 100.00	0.0001 u (ppm)	50.6945
5/10/2019 18:24:27	R1904123-005	Y (360.074 nm)	0.51	0.99 (Ratio)	1125571.84
5/10/2019 18:24:27	R1904123-005	Y_R (360.074 nm)	0.52	0.99 (Ratio)	1127611.86
5/10/2019 18:24:27	R1904123-005	Zn (213.857 nm)	0.22	0.0347 (ppm)	1084.9981
5/10/2019 18:27:47	R1904123-006	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-65.1577
5/10/2019 18:27:47	R1904123-006	Al (394.401 nm)	0.20	3.2225 (ppm)	52334.4852
5/10/2019 18:27:47	R1904123-006	As (188.980 nm)	> 100.00	0.0013 u (ppm)	0.9195
5/10/2019 18:27:47	R1904123-006	B (249.772 nm)	0.39	0.0112 (ppm)	517.9153
5/10/2019 18:27:47	R1904123-006	Ba (230.424 nm)	0.19	0.0691 (ppm)	3146.0578
5/10/2019 18:27:47	R1904123-006	Be (313.107 nm)	2.80	0.0001 (ppm)	-138.8299
5/10/2019 18:27:47	R1904123-006	Ca (227.547 nm)	0.09	102.0542 o (ppm)	5832.9603
5/10/2019 18:27:47	R1904123-006	Cd (214.439 nm)	26.68	-0.0001 u (ppm)	6.3585
5/10/2019 18:27:47	R1904123-006	Co (230.786 nm)	27.62	0.0024 (ppm)	26.0787
5/10/2019 18:27:47	R1904123-006	Cr (267.716 nm)	2.27	0.0040 (ppm)	168.5189
5/10/2019 18:27:47	R1904123-006	Cu (327.395 nm)	0.08	0.0408 (ppm)	2495.1661
5/10/2019 18:27:47	R1904123-006	Fe (234.350 nm)	0.14	4.8979 (ppm)	50659.2316
5/10/2019 18:27:47	R1904123-006	K (766.491 nm)	0.49	4.5793 (ppm)	15150.8409
5/10/2019 18:27:47	R1904123-006	Mg (279.078 nm)	0.11	16.3939 (ppm)	35162.3655
5/10/2019 18:27:47	R1904123-006	Mn (257.610 nm)	0.04	0.2876 (ppm)	86332.8607
5/10/2019 18:27:47	R1904123-006	Mo (202.032 nm)	85.28	0.0004 (ppm)	4.0086
5/10/2019 18:27:47	R1904123-006	Na (588.995 nm)	0.22	4.9699 (ppm)	198454.5129
5/10/2019 18:27:47	R1904123-006	Ni (230.299 nm)	6.75	-0.0086 u (ppm)	-94.3954
5/10/2019 18:27:47	R1904123-006	Pb (220.353 nm)	> 100.00	0.0009 u (ppm)	2.9379
5/10/2019 18:27:47	R1904123-006	Sb (217.582 nm)	78.46	0.0027 (ppm)	0.0241
5/10/2019 18:27:47	R1904123-006	Se (196.026 nm)	> 100.00	-0.0024 u (ppm)	-1.4362
5/10/2019 18:27:47	R1904123-006	Sn (189.925 nm)	> 100.00	-0.0004 u (ppm)	-1.1478
5/10/2019 18:27:47	R1904123-006	Sr (216.596 nm)	0.63	0.3193 (ppm)	3077.0669
5/10/2019 18:27:47	R1904123-006	Ti (336.122 nm)	1.71	0.0913 (ppm)	21368.0120
5/10/2019 18:27:47	R1904123-006	Tl (351.923 nm)	79.95	0.0031 (ppm)	7.7158
5/10/2019 18:27:47	R1904123-006	V (292.401 nm)	2.18	0.0050 (ppm)	199.6678
5/10/2019 18:27:47	R1904123-006	Y (360.074 nm)	0.48	1.01 (Ratio)	1146248.93
5/10/2019 18:27:47	R1904123-006	Y_R (360.074 nm)	0.49	1.01 (Ratio)	1148440.76
5/10/2019 18:27:47	R1904123-006	Zn (213.857 nm)	1.51	0.0197 (ppm)	611.5836
5/10/2019 18:31:06	Continuing Calibration Verification	Ag (328.068 nm)	0.42	0.4932 (ppm)	31725.1611
5/10/2019 18:31:06	Continuing Calibration Verification	Al (394.401 nm)	0.28	9.3452 (ppm)	151072.8770
5/10/2019 18:31:06	Continuing Calibration Verification	As (188.980 nm)	0.65	0.9602 (ppm)	579.6479
5/10/2019 18:31:06	Continuing Calibration Verification	B (249.772 nm)	0.39	2.3658 (ppm)	88289.4817
5/10/2019 18:31:06	Continuing Calibration Verification	Ba (230.424 nm)	0.59	10.0597 (ppm)	455260.0408
5/10/2019 18:31:06	Continuing Calibration Verification	Be (313.107 nm)	0.20	0.2464 (ppm)	309147.8591
5/10/2019 18:31:06	Continuing Calibration Verification	Ca (227.547 nm)	0.24	23.7976 (ppm)	1361.1658
5/10/2019 18:31:06	Continuing Calibration Verification	Cd (214.439 nm)	0.52	0.4813 (ppm)	9528.3405

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:31:06	Continuing Calibration Verification	Co (230.786 nm)	0.52	2.5551 (ppm)	3034.10806
5/10/2019 18:31:06	Continuing Calibration Verification	Cr (267.716 nm)	0.50	0.4947 (ppm)	19300.8800
5/10/2019 18:31:06	Continuing Calibration Verification	Cu (327.395 nm)	0.21	1.1757 (ppm)	71296.1909
5/10/2019 18:31:06	Continuing Calibration Verification	Fe (234.350 nm)	0.47	4.7809 (ppm)	49450.9699
5/10/2019 18:31:06	Continuing Calibration Verification	K (766.491 nm)	0.23	23.9998 (ppm)	79286.2696
5/10/2019 18:31:06	Continuing Calibration Verification	Mg (279.078 nm)	0.38	24.6957 (ppm)	52950.8265
5/10/2019 18:31:06	Continuing Calibration Verification	Mn (257.610 nm)	0.53	0.7364 (ppm)	220974.8036
5/10/2019 18:31:06	Continuing Calibration Verification	Mo (202.032 nm)	0.63	2.3801 (ppm)	12778.0854
5/10/2019 18:31:06	Continuing Calibration Verification	Na (588.995 nm)	0.18	24.6170 (ppm)	1019033.8232
5/10/2019 18:31:06	Continuing Calibration Verification	Ni (230.299 nm)	0.53	1.9637 (ppm)	18685.7283
5/10/2019 18:31:06	Continuing Calibration Verification	Pb (220.353 nm)	0.67	0.4945 (ppm)	1347.9368
5/10/2019 18:31:06	Continuing Calibration Verification	Sb (217.582 nm)	0.34	4.6852 (ppm)	5040.1531
5/10/2019 18:31:06	Continuing Calibration Verification	Se (196.026 nm)	1.89	0.4695 (ppm)	206.0373
5/10/2019 18:31:06	Continuing Calibration Verification	Sn (189.925 nm)	0.49	4.8653 (ppm)	3331.3630
5/10/2019 18:31:06	Continuing Calibration Verification	Sr (216.596 nm)	0.65	2.4983 (ppm)	24084.4006
5/10/2019 18:31:06	Continuing Calibration Verification	Ti (336.122 nm)	0.55	2.4542 (ppm)	577118.4041
5/10/2019 18:31:06	Continuing Calibration Verification	Tl (351.923 nm)	0.51	0.9899 (ppm)	2773.6296
5/10/2019 18:31:06	Continuing Calibration Verification	V (292.401 nm)	0.41	2.4808 (ppm)	74615.1979
5/10/2019 18:31:06	Continuing Calibration Verification	Y (360.074 nm)	0.22	0.99 (Ratio)	1123213.27
5/10/2019 18:31:06	Continuing Calibration Verification	Y_R (360.074 nm)	0.22	0.99 (Ratio)	1125549.50
5/10/2019 18:31:06	Continuing Calibration Verification	Zn (213.857 nm)	0.40	0.9528 (ppm)	30002.3305
5/10/2019 18:34:26	Continuing Calibration Blank	Ag (328.068 nm)	> 100.00	0.0001 u (ppm)	-54.2306
5/10/2019 18:34:26	Continuing Calibration Blank	Al (394.401 nm)	1.93	-0.0066 u (ppm)	260.5542
5/10/2019 18:34:26	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0001 u (ppm)	0.0847
5/10/2019 18:34:26	Continuing Calibration Blank	B (249.772 nm)	1.93	0.0015 (ppm)	156.9055
5/10/2019 18:34:26	Continuing Calibration Blank	Ba (230.424 nm)	9.54	0.0025 (ppm)	131.5587
5/10/2019 18:34:26	Continuing Calibration Blank	Be (313.107 nm)	9.86	0.0000 (ppm)	-226.7779
5/10/2019 18:34:26	Continuing Calibration Blank	Ca (227.547 nm)	> 100.00	0.0300 u (ppm)	3.0210
5/10/2019 18:34:26	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.6431
5/10/2019 18:34:26	Continuing Calibration Blank	Co (230.786 nm)	1.86	0.0006 (ppm)	5.3920
5/10/2019 18:34:26	Continuing Calibration Blank	Cr (267.716 nm)	25.21	-0.0001 u (ppm)	7.9778
5/10/2019 18:34:26	Continuing Calibration Blank	Cu (327.395 nm)	77.09	0.0002 (ppm)	35.1095
5/10/2019 18:34:26	Continuing Calibration Blank	Fe (234.350 nm)	> 100.00	-0.0005 u (ppm)	67.6081
5/10/2019 18:34:26	Continuing Calibration Blank	K (766.491 nm)	50.07	0.0136 (ppm)	72.6000
5/10/2019 18:34:26	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0004 u (ppm)	35.3103
5/10/2019 18:34:26	Continuing Calibration Blank	Mn (257.610 nm)	7.58	0.0001 (ppm)	91.1806
5/10/2019 18:34:26	Continuing Calibration Blank	Mo (202.032 nm)	10.07	0.0044 (ppm)	25.4412
5/10/2019 18:34:26	Continuing Calibration Blank	Na (588.995 nm)	5.16	0.0221 (ppm)	-8192.4885
5/10/2019 18:34:26	Continuing Calibration Blank	Ni (230.299 nm)	36.72	0.0004 (ppm)	-8.5089
5/10/2019 18:34:26	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0004 u (ppm)	1.6338
5/10/2019 18:34:26	Continuing Calibration Blank	Sb (217.582 nm)	63.43	0.0049 (ppm)	2.3403
5/10/2019 18:34:26	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0014 u (ppm)	0.2093
5/10/2019 18:34:26	Continuing Calibration Blank	Sn (189.925 nm)	> 100.00	0.0008 u (ppm)	-0.3335
5/10/2019 18:34:26	Continuing Calibration Blank	Sr (216.596 nm)	6.84	0.0010 (ppm)	8.3919
5/10/2019 18:34:26	Continuing Calibration Blank	Ti (336.122 nm)	15.57	0.0020 (ppm)	378.2986
5/10/2019 18:34:26	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0011 u (ppm)	2.0478
5/10/2019 18:34:26	Continuing Calibration Blank	V (292.401 nm)	70.30	0.0003 (ppm)	57.4948
5/10/2019 18:34:26	Continuing Calibration Blank	Y (360.074 nm)	0.34	1.03 (Ratio)	1172783.53
5/10/2019 18:34:26	Continuing Calibration Blank	Y_R (360.074 nm)	0.34	1.03 (Ratio)	1175446.99
5/10/2019 18:34:26	Continuing Calibration Blank	Zn (213.857 nm)	44.95	0.0001 (ppm)	-4.2481
5/10/2019 18:37:46	R1904123-007	Ag (328.068 nm)	33.37	-0.0003 u (ppm)	-77.5794

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:37:46	R1904123-007	Al (394.401 nm)	0.45	36.9625 o (ppm)	596447.6156
5/10/2019 18:37:46	R1904123-007	As (188.980 nm)	1.81	0.1082 (ppm)	65.4427
5/10/2019 18:37:46	R1904123-007	B (249.772 nm)	0.55	0.0868 (ppm)	3334.7423
5/10/2019 18:37:46	R1904123-007	Ba (230.424 nm)	0.08	0.4432 (ppm)	20074.2944
5/10/2019 18:37:46	R1904123-007	Be (313.107 nm)	0.85	0.0015 (ppm)	1584.8157
5/10/2019 18:37:46	R1904123-007	Ca (227.547 nm)	0.27	129.1729 o (ppm)	7382.5968
5/10/2019 18:37:46	R1904123-007	Cd (214.439 nm)	22.73	0.0007 (ppm)	21.9474
5/10/2019 18:37:46	R1904123-007	Co (230.786 nm)	2.24	0.0173 (ppm)	202.6477
5/10/2019 18:37:46	R1904123-007	Cr (267.716 nm)	0.35	0.0494 (ppm)	1938.5772
5/10/2019 18:37:46	R1904123-007	Cu (327.395 nm)	0.16	0.0493 (ppm)	3012.4988
5/10/2019 18:37:46	R1904123-007	Fe (234.350 nm)	0.13	47.7131 o (ppm)	492859.9847
5/10/2019 18:37:46	R1904123-007	K (766.491 nm)	0.25	14.7476 (ppm)	48731.0690
5/10/2019 18:37:46	R1904123-007	Mg (279.078 nm)	0.31	59.4299 o (ppm)	127376.9228
5/10/2019 18:37:46	R1904123-007	Mn (257.610 nm)	0.48	1.3205 (ppm)	396206.3903
5/10/2019 18:37:46	R1904123-007	Mo (202.032 nm)	4.79	0.0071 (ppm)	40.0617
5/10/2019 18:37:46	R1904123-007	Na (588.995 nm)	0.25	17.5527 (ppm)	723987.7988
5/10/2019 18:37:46	R1904123-007	Ni (230.299 nm)	9.25	-0.0098 u (ppm)	-105.4665
5/10/2019 18:37:46	R1904123-007	Pb (220.353 nm)	8.37	0.0206 (ppm)	56.6616
5/10/2019 18:37:46	R1904123-007	Sb (217.582 nm)	> 100.00	-0.0008 u (ppm)	-3.8178
5/10/2019 18:37:46	R1904123-007	Se (196.026 nm)	> 100.00	0.0005 u (ppm)	-0.1909
5/10/2019 18:37:46	R1904123-007	Sn (189.925 nm)	78.16	0.0022 (ppm)	0.6503
5/10/2019 18:37:46	R1904123-007	Sr (216.596 nm)	0.65	0.8694 (ppm)	8380.2758
5/10/2019 18:37:46	R1904123-007	Ti (336.122 nm)	0.39	0.4787 (ppm)	112483.8071
5/10/2019 18:37:46	R1904123-007	Tl (351.923 nm)	> 100.00	0.0021 u (ppm)	4.9522
5/10/2019 18:37:46	R1904123-007	V (292.401 nm)	0.82	0.0661 (ppm)	2035.9234
5/10/2019 18:37:46	R1904123-007	Y (360.074 nm)	0.19	0.99 (Ratio)	1126113.88
5/10/2019 18:37:46	R1904123-007	Y_R (360.074 nm)	0.18	0.99 (Ratio)	1128239.86
5/10/2019 18:37:46	R1904123-007	Zn (213.857 nm)	0.45	0.1224 (ppm)	3847.9477
5/10/2019 18:41:06	R1904123-008	Ag (328.068 nm)	47.14	-0.0003 u (ppm)	-77.4028
5/10/2019 18:41:06	R1904123-008	Al (394.401 nm)	4.14	0.0127 (ppm)	571.0139
5/10/2019 18:41:06	R1904123-008	As (188.980 nm)	> 100.00	-0.0004 u (ppm)	-0.0760
5/10/2019 18:41:06	R1904123-008	B (249.772 nm)	0.52	0.0315 (ppm)	1273.5945
5/10/2019 18:41:06	R1904123-008	Ba (230.424 nm)	0.34	0.1110 (ppm)	5041.3782
5/10/2019 18:41:06	R1904123-008	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-281.5833
5/10/2019 18:41:06	R1904123-008	Ca (227.547 nm)	0.06	117.5199 o (ppm)	6716.7136
5/10/2019 18:41:06	R1904123-008	Cd (214.439 nm)	45.88	0.0004 (ppm)	16.6108
5/10/2019 18:41:06	R1904123-008	Co (230.786 nm)	4.05	0.0061 (ppm)	70.2139
5/10/2019 18:41:06	R1904123-008	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.9075
5/10/2019 18:41:06	R1904123-008	Cu (327.395 nm)	0.21	0.9786 (ppm)	59349.8605
5/10/2019 18:41:06	R1904123-008	Fe (234.350 nm)	0.31	9.0141 (ppm)	93171.2668
5/10/2019 18:41:06	R1904123-008	K (766.491 nm)	0.65	1.3832 (ppm)	4595.5503
5/10/2019 18:41:06	R1904123-008	Mg (279.078 nm)	0.27	23.9336 (ppm)	51317.7300
5/10/2019 18:41:06	R1904123-008	Mn (257.610 nm)	0.33	1.8457 o (ppm)	553772.6042
5/10/2019 18:41:06	R1904123-008	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	2.0106
5/10/2019 18:41:06	R1904123-008	Na (588.995 nm)	0.28	43.1360 (ppm)	1792496.5926
5/10/2019 18:41:06	R1904123-008	Ni (230.299 nm)	25.52	-0.0030 u (ppm)	-40.4096
5/10/2019 18:41:06	R1904123-008	Pb (220.353 nm)	42.91	-0.0021 u (ppm)	-5.1794
5/10/2019 18:41:06	R1904123-008	Sb (217.582 nm)	> 100.00	0.0031 u (ppm)	0.3507
5/10/2019 18:41:06	R1904123-008	Se (196.026 nm)	37.37	-0.0056 u (ppm)	-2.8496
5/10/2019 18:41:06	R1904123-008	Sn (189.925 nm)	78.84	-0.0014 u (ppm)	-1.8471
5/10/2019 18:41:06	R1904123-008	Sr (216.596 nm)	0.45	0.3717 (ppm)	3582.5275

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:41:06	R1904123-008	Ti (336.122 nm)	3.14	0.0012 (ppm)	190.0028
5/10/2019 18:41:06	R1904123-008	Tl (351.923 nm)	> 100.00	0.0000 u (ppm)	-1.0410
5/10/2019 18:41:06	R1904123-008	V (292.401 nm)	25.40	-0.0005 u (ppm)	33.4554
5/10/2019 18:41:06	R1904123-008	Y (360.074 nm)	0.28	0.98 (Ratio)	1115284.24
5/10/2019 18:41:06	R1904123-008	Y_R (360.074 nm)	0.28	0.98 (Ratio)	1117518.93
5/10/2019 18:41:06	R1904123-008	Zn (213.857 nm)	0.25	0.1956 (ppm)	6152.0672
5/10/2019 18:44:25	R1904123-009	Ag (328.068 nm)	62.37	-0.0002 u (ppm)	-69.8672
5/10/2019 18:44:25	R1904123-009	Al (394.401 nm)	0.67	0.0473 (ppm)	1179.9998
5/10/2019 18:44:25	R1904123-009	As (188.980 nm)	17.29	0.0119 (ppm)	7.3414
5/10/2019 18:44:25	R1904123-009	B (249.772 nm)	0.21	0.0310 (ppm)	1255.9829
5/10/2019 18:44:25	R1904123-009	Ba (230.424 nm)	0.41	0.4794 (ppm)	21715.3423
5/10/2019 18:44:25	R1904123-009	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.9801
5/10/2019 18:44:25	R1904123-009	Ca (227.547 nm)	0.30	127.3717 o (ppm)	7279.6758
5/10/2019 18:44:25	R1904123-009	Cd (214.439 nm)	58.64	-0.0002 u (ppm)	5.4720
5/10/2019 18:44:25	R1904123-009	Co (230.786 nm)	1.96	0.0026 (ppm)	28.7357
5/10/2019 18:44:25	R1904123-009	Cr (267.716 nm)	26.84	0.0004 (ppm)	27.6773
5/10/2019 18:44:25	R1904123-009	Cu (327.395 nm)	4.58	0.0029 (ppm)	200.9650
5/10/2019 18:44:25	R1904123-009	Fe (234.350 nm)	0.23	8.8865 (ppm)	91853.9043
5/10/2019 18:44:25	R1904123-009	K (766.491 nm)	0.34	2.7530 (ppm)	9119.2792
5/10/2019 18:44:25	R1904123-009	Mg (279.078 nm)	0.18	29.4028 (ppm)	63036.8223
5/10/2019 18:44:25	R1904123-009	Mn (257.610 nm)	0.14	0.2422 (ppm)	72709.9586
5/10/2019 18:44:25	R1904123-009	Mo (202.032 nm)	16.71	0.0013 (ppm)	8.5969
5/10/2019 18:44:25	R1904123-009	Na (588.995 nm)	0.47	43.6190 (ppm)	1812666.5860
5/10/2019 18:44:25	R1904123-009	Ni (230.299 nm)	15.10	-0.0049 u (ppm)	-59.1376
5/10/2019 18:44:25	R1904123-009	Pb (220.353 nm)	> 100.00	-0.0007 u (ppm)	-1.6198
5/10/2019 18:44:25	R1904123-009	Sb (217.582 nm)	> 100.00	0.0028 u (ppm)	0.0552
5/10/2019 18:44:25	R1904123-009	Se (196.026 nm)	33.83	-0.0075 u (ppm)	-3.7018
5/10/2019 18:44:25	R1904123-009	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.5042
5/10/2019 18:44:25	R1904123-009	Sr (216.596 nm)	0.45	0.6496 (ppm)	6261.8481
5/10/2019 18:44:25	R1904123-009	Ti (336.122 nm)	0.89	0.0017 (ppm)	287.3963
5/10/2019 18:44:25	R1904123-009	Tl (351.923 nm)	> 100.00	0.0022 u (ppm)	5.3516
5/10/2019 18:44:25	R1904123-009	V (292.401 nm)	69.98	-0.0005 u (ppm)	34.7613
5/10/2019 18:44:25	R1904123-009	Y (360.074 nm)	0.56	0.98 (Ratio)	1114697.82
5/10/2019 18:44:25	R1904123-009	Y_R (360.074 nm)	0.56	0.98 (Ratio)	1116990.68
5/10/2019 18:44:25	R1904123-009	Zn (213.857 nm)	0.48	0.0110 (ppm)	339.2453
5/10/2019 18:47:45	R1904123-010	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-66.7099
5/10/2019 18:47:45	R1904123-010	Al (394.401 nm)	0.15	22.6585 o (ppm)	365771.6628
5/10/2019 18:47:45	R1904123-010	As (188.980 nm)	28.78	0.0083 (ppm)	5.1500
5/10/2019 18:47:45	R1904123-010	B (249.772 nm)	0.25	0.1365 (ppm)	5190.1240
5/10/2019 18:47:45	R1904123-010	Ba (230.424 nm)	0.45	0.3735 (ppm)	16922.0347
5/10/2019 18:47:45	R1904123-010	Be (313.107 nm)	1.57	0.0009 (ppm)	824.0571
5/10/2019 18:47:45	R1904123-010	Ca (227.547 nm)	0.16	95.7641 o (ppm)	5473.5270
5/10/2019 18:47:45	R1904123-010	Cd (214.439 nm)	42.65	0.0003 (ppm)	14.3329
5/10/2019 18:47:45	R1904123-010	Co (230.786 nm)	1.91	0.0122 (ppm)	142.3045
5/10/2019 18:47:45	R1904123-010	Cr (267.716 nm)	0.45	0.0264 (ppm)	1042.5804
5/10/2019 18:47:45	R1904123-010	Cu (327.395 nm)	0.55	0.0336 (ppm)	2062.7209
5/10/2019 18:47:45	R1904123-010	Fe (234.350 nm)	0.17	30.9785 o (ppm)	320022.2154
5/10/2019 18:47:45	R1904123-010	K (766.491 nm)	0.21	10.0738 (ppm)	33296.2129
5/10/2019 18:47:45	R1904123-010	Mg (279.078 nm)	0.20	41.6353 (ppm)	89247.7359
5/10/2019 18:47:45	R1904123-010	Mn (257.610 nm)	0.15	1.3042 (ppm)	391302.0360
5/10/2019 18:47:45	R1904123-010	Mo (202.032 nm)	23.32	0.0014 (ppm)	9.1839

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:47:45	R1904123-010	Na (588.995 nm)	0.27	44.5110 (ppm)	1849921.2592
5/10/2019 18:47:45	R1904123-010	Ni (230.299 nm)	14.98	-0.0052 u (ppm)	-61.8784
5/10/2019 18:47:45	R1904123-010	Pb (220.353 nm)	7.01	0.0136 (ppm)	37.4817
5/10/2019 18:47:45	R1904123-010	Sb (217.582 nm)	76.57	0.0011 (ppm)	-1.6994
5/10/2019 18:47:45	R1904123-010	Se (196.026 nm)	> 100.00	0.0003 u (ppm)	-0.2795
5/10/2019 18:47:45	R1904123-010	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1169
5/10/2019 18:47:45	R1904123-010	Sr (216.596 nm)	0.50	1.0091 (ppm)	9727.3439
5/10/2019 18:47:45	R1904123-010	Ti (336.122 nm)	0.28	0.2802 (ppm)	65804.2292
5/10/2019 18:47:45	R1904123-010	Ti (351.923 nm)	> 100.00	0.0017 u (ppm)	3.8384
5/10/2019 18:47:45	R1904123-010	V (292.401 nm)	0.22	0.0366 (ppm)	1149.1923
5/10/2019 18:47:45	R1904123-010	Y (360.074 nm)	0.52	0.99 (Ratio)	1130896.27
5/10/2019 18:47:45	R1904123-010	Y_R (360.074 nm)	0.52	1.00 (Ratio)	1133119.67
5/10/2019 18:47:45	R1904123-010	Zn (213.857 nm)	0.55	0.0877 (ppm)	2755.0366
5/10/2019 18:51:04	R1904123-011	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-62.8114
5/10/2019 18:51:04	R1904123-011	Al (394.401 nm)	0.11	1.5948 (ppm)	26084.9218
5/10/2019 18:51:04	R1904123-011	As (188.980 nm)	> 100.00	0.0003 u (ppm)	0.2933
5/10/2019 18:51:04	R1904123-011	B (249.772 nm)	0.22	0.0891 (ppm)	3421.0742
5/10/2019 18:51:04	R1904123-011	Ba (230.424 nm)	0.42	0.1029 (ppm)	4674.2510
5/10/2019 18:51:04	R1904123-011	Be (313.107 nm)	18.94	0.0000 (ppm)	-232.5948
5/10/2019 18:51:04	R1904123-011	Ca (227.547 nm)	0.20	78.0648 o (ppm)	4462.1446
5/10/2019 18:51:04	R1904123-011	Cd (214.439 nm)	9.14	0.0029 (ppm)	66.0611
5/10/2019 18:51:04	R1904123-011	Co (230.786 nm)	> 100.00	0.0006 u (ppm)	5.0204
5/10/2019 18:51:04	R1904123-011	Cr (267.716 nm)	3.90	0.0031 (ppm)	133.2232
5/10/2019 18:51:04	R1904123-011	Cu (327.395 nm)	3.44	0.0036 (ppm)	242.8125
5/10/2019 18:51:04	R1904123-011	Fe (234.350 nm)	0.20	2.4690 (ppm)	25573.2563
5/10/2019 18:51:04	R1904123-011	K (766.491 nm)	0.17	16.9360 (ppm)	55958.2297
5/10/2019 18:51:04	R1904123-011	Mg (279.078 nm)	0.22	28.4526 (ppm)	61000.7795
5/10/2019 18:51:04	R1904123-011	Mn (257.610 nm)	0.21	0.0882 (ppm)	26519.4304
5/10/2019 18:51:04	R1904123-011	Mo (202.032 nm)	28.73	0.0014 (ppm)	9.4724
5/10/2019 18:51:04	R1904123-011	Na (588.995 nm)	0.20	44.0404 (ppm)	1830267.9463
5/10/2019 18:51:04	R1904123-011	Ni (230.299 nm)	3.88	-0.0083 u (ppm)	-90.8368
5/10/2019 18:51:04	R1904123-011	Pb (220.353 nm)	> 100.00	0.0008 (ppm)	2.5590
5/10/2019 18:51:04	R1904123-011	Sb (217.582 nm)	> 100.00	0.0017 u (ppm)	-1.0867
5/10/2019 18:51:04	R1904123-011	Se (196.026 nm)	> 100.00	-0.0046 u (ppm)	-2.4406
5/10/2019 18:51:04	R1904123-011	Sn (189.925 nm)	> 100.00	-0.0011 u (ppm)	-1.6302
5/10/2019 18:51:04	R1904123-011	Sr (216.596 nm)	0.56	0.6263 (ppm)	6037.3066
5/10/2019 18:51:04	R1904123-011	Ti (336.122 nm)	1.72	0.0507 (ppm)	11821.0801
5/10/2019 18:51:04	R1904123-011	Ti (351.923 nm)	78.72	0.0018 (ppm)	4.2322
5/10/2019 18:51:04	R1904123-011	V (292.401 nm)	9.21	0.0020 (ppm)	107.1878
5/10/2019 18:51:04	R1904123-011	Y (360.074 nm)	0.31	1.00 (Ratio)	1132838.22
5/10/2019 18:51:04	R1904123-011	Y_R (360.074 nm)	0.32	1.00 (Ratio)	1135193.94
5/10/2019 18:51:04	R1904123-011	Zn (213.857 nm)	0.72	0.0197 (ppm)	611.5684
5/10/2019 18:54:24	R1904123-012	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.2434
5/10/2019 18:54:24	R1904123-012	Al (394.401 nm)	0.12	4.3876 (ppm)	71123.4428
5/10/2019 18:54:24	R1904123-012	As (188.980 nm)	24.48	0.0053 (ppm)	3.3276
5/10/2019 18:54:24	R1904123-012	B (249.772 nm)	0.11	0.0392 (ppm)	1563.6271
5/10/2019 18:54:24	R1904123-012	Ba (230.424 nm)	0.89	0.2115 (ppm)	9589.3019
5/10/2019 18:54:24	R1904123-012	Be (313.107 nm)	3.46	0.0002 (ppm)	-38.4350
5/10/2019 18:54:24	R1904123-012	Ca (227.547 nm)	0.04	154.4118 o (ppm)	8824.8192
5/10/2019 18:54:24	R1904123-012	Cd (214.439 nm)	5.27	0.0014 (ppm)	37.2536
5/10/2019 18:54:24	R1904123-012	Co (230.786 nm)	17.15	0.0018 (ppm)	19.4741

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 18:54:24	R1904123-012	Cr (267.716 nm)	0.92	0.0088 (ppm)	354.0192
5/10/2019 18:54:24	R1904123-012	Cu (327.395 nm)	1.01	0.0079 (ppm)	500.2942
5/10/2019 18:54:24	R1904123-012	Fe (234.350 nm)	0.06	13.1116 o (ppm)	135490.8894
5/10/2019 18:54:24	R1904123-012	K (766.491 nm)	0.31	5.2489 (ppm)	17361.9234
5/10/2019 18:54:24	R1904123-012	Mg (279.078 nm)	0.13	28.8775 (ppm)	61911.2484
5/10/2019 18:54:24	R1904123-012	Mn (257.610 nm)	0.09	0.6272 (ppm)	188210.4773
5/10/2019 18:54:24	R1904123-012	Mo (202.032 nm)	47.05	0.0011 (ppm)	7.9374
5/10/2019 18:54:24	R1904123-012	Na (588.995 nm)	0.35	24.7607 (ppm)	1025036.7669
5/10/2019 18:54:24	R1904123-012	Ni (230.299 nm)	5.17	-0.0122 u (ppm)	-128.5368
5/10/2019 18:54:24	R1904123-012	Pb (220.353 nm)	> 100.00	0.0011 u (ppm)	3.2893
5/10/2019 18:54:24	R1904123-012	Sb (217.582 nm)	> 100.00	0.0010 u (ppm)	-1.8133
5/10/2019 18:54:24	R1904123-012	Se (196.026 nm)	87.56	-0.0064 u (ppm)	-3.1959
5/10/2019 18:54:24	R1904123-012	Sn (189.925 nm)	86.74	-0.0021 u (ppm)	-2.3449
5/10/2019 18:54:24	R1904123-012	Sr (216.596 nm)	0.19	0.7927 (ppm)	7641.2220
5/10/2019 18:54:24	R1904123-012	Ti (336.122 nm)	0.57	0.1899 (ppm)	44573.3508
5/10/2019 18:54:24	R1904123-012	Ti (351.923 nm)	17.91	0.0031 (ppm)	7.7289
5/10/2019 18:54:24	R1904123-012	V (292.401 nm)	1.87	0.0085 (ppm)	302.3081
5/10/2019 18:54:24	R1904123-012	Y (360.074 nm)	0.68	0.99 (Ratio)	1128871.17
5/10/2019 18:54:24	R1904123-012	Y_R (360.074 nm)	0.68	1.00 (Ratio)	1131182.11
5/10/2019 18:54:24	R1904123-012	Zn (213.857 nm)	1.57	0.0240 (ppm)	748.0325
5/10/2019 18:57:44	Continuing Calibration Verification	Ag (328.068 nm)	0.24	0.4929 (ppm)	31705.9686
5/10/2019 18:57:44	Continuing Calibration Verification	Al (394.401 nm)	0.06	9.3021 (ppm)	150377.7516
5/10/2019 18:57:44	Continuing Calibration Verification	As (188.980 nm)	0.40	0.9609 (ppm)	580.1038
5/10/2019 18:57:44	Continuing Calibration Verification	B (249.772 nm)	0.24	2.3558 (ppm)	87916.6016
5/10/2019 18:57:44	Continuing Calibration Verification	Ba (230.424 nm)	0.50	10.0795 (ppm)	456157.8645
5/10/2019 18:57:44	Continuing Calibration Verification	Be (313.107 nm)	0.50	0.2452 (ppm)	307740.5891
5/10/2019 18:57:44	Continuing Calibration Verification	Ca (227.547 nm)	0.17	23.6348 (ppm)	1351.8615
5/10/2019 18:57:44	Continuing Calibration Verification	Cd (214.439 nm)	0.21	0.4831 (ppm)	9563.2551
5/10/2019 18:57:44	Continuing Calibration Verification	Co (230.786 nm)	0.39	2.5585 (ppm)	30381.7229
5/10/2019 18:57:44	Continuing Calibration Verification	Cr (267.716 nm)	0.33	0.4954 (ppm)	19331.3391
5/10/2019 18:57:44	Continuing Calibration Verification	Cu (327.395 nm)	0.04	1.1687 (ppm)	70869.7511
5/10/2019 18:57:44	Continuing Calibration Verification	Fe (234.350 nm)	0.21	4.7894 (ppm)	49538.0029
5/10/2019 18:57:44	Continuing Calibration Verification	K (766.491 nm)	0.37	23.6829 (ppm)	78239.8642
5/10/2019 18:57:44	Continuing Calibration Verification	Mg (279.078 nm)	0.32	24.6941 (ppm)	52947.4279
5/10/2019 18:57:44	Continuing Calibration Verification	Mn (257.610 nm)	0.29	0.7373 (ppm)	221225.0542
5/10/2019 18:57:44	Continuing Calibration Verification	Mo (202.032 nm)	0.52	2.3816 (ppm)	12786.3482
5/10/2019 18:57:44	Continuing Calibration Verification	Na (588.995 nm)	0.09	24.4072 (ppm)	1010269.2351
5/10/2019 18:57:44	Continuing Calibration Verification	Ni (230.299 nm)	0.33	1.9672 (ppm)	18718.6968
5/10/2019 18:57:44	Continuing Calibration Verification	Pb (220.353 nm)	0.36	0.4923 (ppm)	1341.7737
5/10/2019 18:57:44	Continuing Calibration Verification	Sb (217.582 nm)	0.28	4.6758 (ppm)	5029.9691
5/10/2019 18:57:44	Continuing Calibration Verification	Se (196.026 nm)	0.62	0.4769 (ppm)	209.2812
5/10/2019 18:57:44	Continuing Calibration Verification	Sn (189.925 nm)	0.79	4.8749 (ppm)	3337.9085
5/10/2019 18:57:44	Continuing Calibration Verification	Sr (216.596 nm)	0.61	2.5034 (ppm)	24133.6792
5/10/2019 18:57:44	Continuing Calibration Verification	Ti (336.122 nm)	0.27	2.4510 (ppm)	576373.8784
5/10/2019 18:57:44	Continuing Calibration Verification	Ti (351.923 nm)	0.29	0.9843 (ppm)	2757.8763
5/10/2019 18:57:44	Continuing Calibration Verification	V (292.401 nm)	0.25	2.4799 (ppm)	74587.7360
5/10/2019 18:57:44	Continuing Calibration Verification	Y (360.074 nm)	0.37	0.99 (Ratio)	1126562.89
5/10/2019 18:57:44	Continuing Calibration Verification	Y_R (360.074 nm)	0.37	0.99 (Ratio)	1129051.15
5/10/2019 18:57:44	Continuing Calibration Verification	Zn (213.857 nm)	0.17	0.9527 (ppm)	30000.8723
5/10/2019 19:01:04	Continuing Calibration Blank	Ag (328.068 nm)	23.62	-0.0001 u (ppm)	-63.5511
5/10/2019 19:01:04	Continuing Calibration Blank	Al (394.401 nm)	5.12	-0.0066 u (ppm)	260.6692

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:01:04	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0002 u (ppm)	0.0168
5/10/2019 19:01:04	Continuing Calibration Blank	B (249.772 nm)	12.99	0.0016 (ppm)	161.8348
5/10/2019 19:01:04	Continuing Calibration Blank	Ba (230.424 nm)	3.09	0.0030 (ppm)	155.7170
5/10/2019 19:01:04	Continuing Calibration Blank	Be (313.107 nm)	7.81	0.0001 (ppm)	-211.7914
5/10/2019 19:01:04	Continuing Calibration Blank	Ce (227.547 nm)	46.35	0.0314 (ppm)	3.1009
5/10/2019 19:01:04	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.8012
5/10/2019 19:01:04	Continuing Calibration Blank	Co (230.786 nm)	51.22	0.0008 (ppm)	7.1032
5/10/2019 19:01:04	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.7782
5/10/2019 19:01:04	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	29.6983
5/10/2019 19:01:04	Continuing Calibration Blank	Fe (234.350 nm)	26.31	0.0008 (ppm)	80.7426
5/10/2019 19:01:04	Continuing Calibration Blank	K (766.491 nm)	29.97	0.0115 (ppm)	65.6130
5/10/2019 19:01:04	Continuing Calibration Blank	Mg (279.078 nm)	> 100.00	0.0003 u (ppm)	35.2597
5/10/2019 19:01:04	Continuing Calibration Blank	Mn (257.610 nm)	7.00	0.0002 (ppm)	111.6750
5/10/2019 19:01:04	Continuing Calibration Blank	Mo (202.032 nm)	3.10	0.0041 (ppm)	23.7860
5/10/2019 19:01:04	Continuing Calibration Blank	Na (588.995 nm)	8.69	0.0162 (ppm)	-8437.4414
5/10/2019 19:01:04	Continuing Calibration Blank	Ni (230.299 nm)	96.57	0.0005 (ppm)	-7.0540
5/10/2019 19:01:04	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	0.1706
5/10/2019 19:01:04	Continuing Calibration Blank	Sb (217.582 nm)	19.91	0.0048 (ppm)	2.2462
5/10/2019 19:01:04	Continuing Calibration Blank	Se (196.026 nm)	> 100.00	0.0023 u (ppm)	0.6259
5/10/2019 19:01:04	Continuing Calibration Blank	Sn (189.925 nm)	27.07	0.0027 (ppm)	0.9477
5/10/2019 19:01:04	Continuing Calibration Blank	Sr (216.596 nm)	13.82	0.0007 (ppm)	5.3601
5/10/2019 19:01:04	Continuing Calibration Blank	Ti (336.122 nm)	11.82	0.0021 (ppm)	401.7484
5/10/2019 19:01:04	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0025 u (ppm)	6.0413
5/10/2019 19:01:04	Continuing Calibration Blank	V (292.401 nm)	35.45	0.0005 (ppm)	62.6547
5/10/2019 19:01:04	Continuing Calibration Blank	Y (360.074 nm)	0.56	1.03 (Ratio)	1173085.73
5/10/2019 19:01:04	Continuing Calibration Blank	Y_R (360.074 nm)	0.56	1.03 (Ratio)	1175961.98
5/10/2019 19:01:04	Continuing Calibration Blank	Zn (213.857 nm)	47.59	0.0002 (ppm)	-3.7813
5/10/2019 19:04:23	Contract Required Detection Limit	Ag (328.068 nm)	0.72	0.0099 (ppm)	579.8465
5/10/2019 19:04:23	Contract Required Detection Limit	Al (394.401 nm)	0.55	0.1677 (ppm)	3070.3605
5/10/2019 19:04:23	Contract Required Detection Limit	As (188.980 nm)	16.25	0.0186 (ppm)	11.3508
5/10/2019 19:04:23	Contract Required Detection Limit	B (249.772 nm)	0.28	0.1784 (ppm)	6750.6355
5/10/2019 19:04:23	Contract Required Detection Limit	Ba (230.424 nm)	0.27	0.2106 (ppm)	9550.8689
5/10/2019 19:04:23	Contract Required Detection Limit	Be (313.107 nm)	0.37	0.0048 (ppm)	5789.9664
5/10/2019 19:04:23	Contract Required Detection Limit	Ca (227.547 nm)	5.36	0.9034 (ppm)	52.9297
5/10/2019 19:04:23	Contract Required Detection Limit	Cd (214.439 nm)	1.35	0.0097 (ppm)	200.2933
5/10/2019 19:04:23	Contract Required Detection Limit	Co (230.786 nm)	1.29	0.0524 (ppm)	619.7690
5/10/2019 19:04:23	Contract Required Detection Limit	Cr (267.716 nm)	0.59	0.0101 (ppm)	408.4055
5/10/2019 19:04:23	Contract Required Detection Limit	Cu (327.395 nm)	0.51	0.0241 (ppm)	1481.4014
5/10/2019 19:04:23	Contract Required Detection Limit	Fe (234.350 nm)	0.53	0.1021 (ppm)	1127.5686
5/10/2019 19:04:23	Contract Required Detection Limit	K (766.491 nm)	0.85	0.8883 (ppm)	2961.2849
5/10/2019 19:04:23	Contract Required Detection Limit	Mg (279.078 nm)	0.33	0.9728 (ppm)	2118.9257
5/10/2019 19:04:23	Contract Required Detection Limit	Mn (257.610 nm)	0.37	0.0157 (ppm)	4746.4540
5/10/2019 19:04:23	Contract Required Detection Limit	Mo (202.032 nm)	1.60	0.0253 (ppm)	137.7867
5/10/2019 19:04:23	Contract Required Detection Limit	Na (588.995 nm)	0.19	0.9988 (ppm)	32601.9163
5/10/2019 19:04:23	Contract Required Detection Limit	Ni (230.299 nm)	0.42	0.0413 (ppm)	381.2681
5/10/2019 19:04:23	Contract Required Detection Limit	Pb (220.353 nm)	11.49	0.0103 (ppm)	28.4003
5/10/2019 19:04:23	Contract Required Detection Limit	Sb (217.582 nm)	2.13	0.0630 (ppm)	64.9321
5/10/2019 19:04:23	Contract Required Detection Limit	Se (196.026 nm)	20.76	0.0093 (ppm)	3.6879
5/10/2019 19:04:23	Contract Required Detection Limit	Sn (189.925 nm)	0.45	0.4901 (ppm)	334.7852
5/10/2019 19:04:23	Contract Required Detection Limit	Sr (216.596 nm)	1.46	0.1023 (ppm)	985.2921
5/10/2019 19:04:23	Contract Required Detection Limit	Tl (336.122 nm)	0.25	0.0507 (ppm)	11817.2684

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:04:23	Contract Required Detection Limit	Tl (351.923 nm)	9.80	0.0181 (ppm)	49.7409
5/10/2019 19:04:23	Contract Required Detection Limit	V (292.401 nm)	0.55	0.0497 (ppm)	1542.4153
5/10/2019 19:04:23	Contract Required Detection Limit	Y (360.074 nm)	0.24	1.03 (Ratio)	1169985.45
5/10/2019 19:04:23	Contract Required Detection Limit	Y_R (360.074 nm)	0.24	1.03 (Ratio)	1172743.71
5/10/2019 19:04:23	Contract Required Detection Limit	Zn (213.857 nm)	1.10	0.0193 (ppm)	598.2652
5/10/2019 19:07:42	Interference Check Solution A	Ag (328.068 nm)	> 100.00	0.0000 u (ppm)	-60.5212
5/10/2019 19:07:42	Interference Check Solution A	Al (394.401 nm)	0.12	256.7685 o (ppm)	4141181.3445
5/10/2019 19:07:42	Interference Check Solution A	As (188.980 nm)	> 100.00	-0.0026 u (ppm)	-1.4543
5/10/2019 19:07:42	Interference Check Solution A	B (249.772 nm)	0.39	0.0468 (ppm)	1847.1011
5/10/2019 19:07:42	Interference Check Solution A	Ba (230.424 nm)	6.01	0.0014 (ppm)	81.9068
5/10/2019 19:07:42	Interference Check Solution A	Be (313.107 nm)	19.02	0.0000 u (ppm)	-337.9489
5/10/2019 19:07:42	Interference Check Solution A	Ca (227.547 nm)	0.16	256.9666 o (ppm)	14685.0830
5/10/2019 19:07:42	Interference Check Solution A	Cd (214.439 nm)	> 100.00	-0.0004 u (ppm)	1.2353
5/10/2019 19:07:42	Interference Check Solution A	Co (230.786 nm)	12.53	-0.0027 u (ppm)	-34.1650
5/10/2019 19:07:42	Interference Check Solution A	Cr (267.716 nm)	20.80	0.0007 (ppm)	41.8723
5/10/2019 19:07:42	Interference Check Solution A	Cu (327.395 nm)	15.88	-0.0002 u (ppm)	9.8786
5/10/2019 19:07:42	Interference Check Solution A	Fe (234.350 nm)	0.54	88.6631 o (ppm)	915796.6416
5/10/2019 19:07:42	Interference Check Solution A	K (766.491 nm)	24.28	-0.0225 u (ppm)	-46.4594
5/10/2019 19:07:42	Interference Check Solution A	Mg (279.078 nm)	0.67	258.0245 o (ppm)	552911.7239
5/10/2019 19:07:42	Interference Check Solution A	Mn (257.610 nm)	0.66	0.0020 (ppm)	634.1927
5/10/2019 19:07:42	Interference Check Solution A	Mo (202.032 nm)	76.71	0.0004 (ppm)	4.1842
5/10/2019 19:07:42	Interference Check Solution A	Na (588.995 nm)	27.90	-0.0050 u (ppm)	-9325.6706
5/10/2019 19:07:42	Interference Check Solution A	Ni (230.299 nm)	69.31	-0.0010 u (ppm)	-21.9743
5/10/2019 19:07:42	Interference Check Solution A	Pb (220.353 nm)	63.12	-0.0019 u (ppm)	-4.7037
5/10/2019 19:07:42	Interference Check Solution A	Sb (217.582 nm)	75.62	-0.0012 u (ppm)	-4.2472
5/10/2019 19:07:42	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0032 u (ppm)	-1.8134
5/10/2019 19:07:42	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0023 u (ppm)	0.6758
5/10/2019 19:07:42	Interference Check Solution A	Sr (216.596 nm)	1.24	0.0190 (ppm)	182.2645
5/10/2019 19:07:42	Interference Check Solution A	Ti (336.122 nm)	3.71	0.0018 (ppm)	326.7517
5/10/2019 19:07:42	Interference Check Solution A	Tl (351.923 nm)	5.86	0.0052 (ppm)	13.6339
5/10/2019 19:07:42	Interference Check Solution A	V (292.401 nm)	25.60	0.0013 (ppm)	87.9300
5/10/2019 19:07:42	Interference Check Solution A	Y (360.074 nm)	0.49	0.92 (Ratio)	1042000.06
5/10/2019 19:07:42	Interference Check Solution A	Y_R (360.074 nm)	0.50	0.92 (Ratio)	1044068.10
5/10/2019 19:07:42	Interference Check Solution A	Zn (213.857 nm)	0.51	0.0115 K (ppm)	354.1315 K
5/10/2019 19:11:02	Interference Check Solution AB	Ag (328.068 nm)	1.10	0.0099 G (ppm)	578.7661 G
5/10/2019 19:11:02	Interference Check Solution AB	Al (394.401 nm)	1.78	0.1855 G (ppm)	3357.9683 G
5/10/2019 19:11:02	Interference Check Solution AB	As (188.980 nm)	10.31	0.0206 G (ppm)	12.5743 G
5/10/2019 19:11:02	Interference Check Solution AB	B (249.772 nm)	0.44	0.1773 (ppm)	6709.7658
5/10/2019 19:11:02	Interference Check Solution AB	Ba (230.424 nm)	0.50	0.2091 G (ppm)	9482.6067 G
5/10/2019 19:11:02	Interference Check Solution AB	Be (313.107 nm)	0.40	0.0048 G (ppm)	5740.3812 G
5/10/2019 19:11:02	Interference Check Solution AB	Ca (227.547 nm)	2.04	0.9364 G (ppm)	54.8146 G
5/10/2019 19:11:02	Interference Check Solution AB	Cd (214.439 nm)	0.47	0.0097 G (ppm)	201.2743 G
5/10/2019 19:11:02	Interference Check Solution AB	Co (230.786 nm)	1.09	0.0515 G (ppm)	609.4175 G
5/10/2019 19:11:02	Interference Check Solution AB	Cr (267.716 nm)	0.85	0.0099 G (ppm)	399.0509 G
5/10/2019 19:11:02	Interference Check Solution AB	Cu (327.395 nm)	0.53	0.0240 G (ppm)	1476.9152 G
5/10/2019 19:11:02	Interference Check Solution AB	Fe (234.350 nm)	0.46	0.1159 G (ppm)	1269.7375 G
5/10/2019 19:11:02	Interference Check Solution AB	K (766.491 nm)	0.65	0.8720 (ppm)	2907.4403
5/10/2019 19:11:02	Interference Check Solution AB	Mg (279.078 nm)	0.61	0.9859 G (ppm)	2147.0857 G
5/10/2019 19:11:02	Interference Check Solution AB	Mn (257.610 nm)	0.44	0.0155 G (ppm)	4689.8825 G
5/10/2019 19:11:02	Interference Check Solution AB	Mo (202.032 nm)	0.67	0.0249 (ppm)	135.5983
5/10/2019 19:11:02	Interference Check Solution AB	Na (588.995 nm)	0.26	0.9928 (ppm)	32347.6402

went to incorrect cup use ICSAB from 21:14

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:11:02	Interference Check Solution AB	Ni (230.299 nm)	1.57	0.0415 G (ppm)	382.8196 G
5/10/2019 19:11:02	Interference Check Solution AB	Pb (220.353 nm)	9.89	0.0113 G (ppm)	31.1526 G
5/10/2019 19:11:02	Interference Check Solution AB	Sb (217.582 nm)	4.16	0.0605 G (ppm)	62.1638 G
5/10/2019 19:11:02	Interference Check Solution AB	Se (196.026 nm)	15.92	0.0136 G (ppm)	5.5618 G
5/10/2019 19:11:02	Interference Check Solution AB	Sn (189.925 nm)	0.37	0.4914 (ppm)	335.6553
5/10/2019 19:11:02	Interference Check Solution AB	Sr (216.596 nm)	1.22	0.1014 (ppm)	976.1935
5/10/2019 19:11:02	Interference Check Solution AB	Ti (336.122 nm)	0.34	0.0500 (ppm)	11664.1931
5/10/2019 19:11:02	Interference Check Solution AB	Tl (351.923 nm)	26.03	0.0159 G (ppm)	43.5848 G
5/10/2019 19:11:02	Interference Check Solution AB	V (292.401 nm)	0.37	0.0494 G (ppm)	1533.6671 G
5/10/2019 19:11:02	Interference Check Solution AB	Y (360.074 nm)	0.26	1.03 (Ratio)	1176364.69
5/10/2019 19:11:02	Interference Check Solution AB	Y_R (360.074 nm)	0.26	1.04 (Ratio)	1178918.64
5/10/2019 19:11:02	Interference Check Solution AB	Zn (213.857 nm)	1.56	0.0193 G (ppm)	600.7287 G
5/10/2019 19:14:21	Continuing Calibration Verification	Ag (328.068 nm)	0.13	0.4940 (ppm)	31779.3494
5/10/2019 19:14:21	Continuing Calibration Verification	Al (394.401 nm)	0.28	9.3997 (ppm)	151951.7969
5/10/2019 19:14:21	Continuing Calibration Verification	As (188.980 nm)	0.44	0.9650 (ppm)	582.5605
5/10/2019 19:14:21	Continuing Calibration Verification	B (249.772 nm)	0.28	2.3635 (ppm)	88203.2312
5/10/2019 19:14:21	Continuing Calibration Verification	Ba (230.424 nm)	0.50	10.0859 (ppm)	456447.2362
5/10/2019 19:14:21	Continuing Calibration Verification	Be (313.107 nm)	0.26	0.2471 (ppm)	310023.8599
5/10/2019 19:14:21	Continuing Calibration Verification	Ca (227.547 nm)	0.42	23.7638 (ppm)	1359.2365
5/10/2019 19:14:21	Continuing Calibration Verification	Cd (214.439 nm)	0.19	0.4841 (ppm)	9582.9058
5/10/2019 19:14:21	Continuing Calibration Verification	Co (230.786 nm)	0.18	2.5613 (ppm)	30414.0480
5/10/2019 19:14:21	Continuing Calibration Verification	Cr (267.716 nm)	0.11	0.4962 (ppm)	19359.0446
5/10/2019 19:14:21	Continuing Calibration Verification	Cu (327.395 nm)	0.22	1.1762 (ppm)	71326.1369
5/10/2019 19:14:21	Continuing Calibration Verification	Fe (234.350 nm)	0.13	4.8032 (ppm)	49681.2981
5/10/2019 19:14:21	Continuing Calibration Verification	K (766.491 nm)	0.42	23.9067 (ppm)	78978.8614
5/10/2019 19:14:21	Continuing Calibration Verification	Mg (279.078 nm)	0.18	24.7707 (ppm)	53111.4687
5/10/2019 19:14:21	Continuing Calibration Verification	Mn (257.610 nm)	0.25	0.7375 (ppm)	221286.6535
5/10/2019 19:14:21	Continuing Calibration Verification	Mo (202.032 nm)	0.25	2.3914 (ppm)	12839.0866
5/10/2019 19:14:21	Continuing Calibration Verification	Na (588.995 nm)	0.48	24.4953 (ppm)	1013951.9239
5/10/2019 19:14:21	Continuing Calibration Verification	Ni (230.299 nm)	0.14	1.9699 (ppm)	18744.9108
5/10/2019 19:14:21	Continuing Calibration Verification	Pb (220.353 nm)	0.51	0.4956 (ppm)	1350.8730
5/10/2019 19:14:21	Continuing Calibration Verification	Sb (217.582 nm)	0.15	4.6989 (ppm)	5054.8621
5/10/2019 19:14:21	Continuing Calibration Verification	Se (196.026 nm)	2.43	0.4768 (ppm)	209.2434
5/10/2019 19:14:21	Continuing Calibration Verification	Sn (189.925 nm)	0.63	4.8937 (ppm)	3350.7939
5/10/2019 19:14:21	Continuing Calibration Verification	Sr (216.596 nm)	0.30	2.5105 (ppm)	24202.1431
5/10/2019 19:14:21	Continuing Calibration Verification	Ti (336.122 nm)	0.09	2.4615 (ppm)	578846.7167
5/10/2019 19:14:21	Continuing Calibration Verification	Tl (351.923 nm)	0.38	0.9928 (ppm)	2781.6739
5/10/2019 19:14:21	Continuing Calibration Verification	V (292.401 nm)	0.14	2.4925 (ppm)	74968.1139
5/10/2019 19:14:21	Continuing Calibration Verification	Y (360.074 nm)	0.62	0.99 (Ratio)	1130951.52
5/10/2019 19:14:21	Continuing Calibration Verification	Y_R (360.074 nm)	0.62	1.00 (Ratio)	1133278.66
5/10/2019 19:14:21	Continuing Calibration Verification	Zn (213.857 nm)	0.24	0.9572 (ppm)	30140.9868
5/10/2019 19:17:41	Continuing Calibration Blank	Ag (328.068 nm)	16.70	-0.0001 u (ppm)	-66.2844
5/10/2019 19:17:41	Continuing Calibration Blank	Al (394.401 nm)	54.68	0.0047 (ppm)	442.0971
5/10/2019 19:17:41	Continuing Calibration Blank	As (188.980 nm)	> 100.00	-0.0017 u (ppm)	-0.8879
5/10/2019 19:17:41	Continuing Calibration Blank	B (249.772 nm)	5.57	0.0013 (ppm)	149.0473
5/10/2019 19:17:41	Continuing Calibration Blank	Ba (230.424 nm)	8.59	0.0018 (ppm)	100.7519
5/10/2019 19:17:41	Continuing Calibration Blank	Be (313.107 nm)	13.40	0.0000 (ppm)	-241.5547
5/10/2019 19:17:41	Continuing Calibration Blank	Ca (227.547 nm)	44.63	0.0568 (ppm)	4.5518
5/10/2019 19:17:41	Continuing Calibration Blank	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	6.5332
5/10/2019 19:17:41	Continuing Calibration Blank	Co (230.786 nm)	27.08	0.0006 (ppm)	4.2821
5/10/2019 19:17:41	Continuing Calibration Blank	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	14.1433

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Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:17:41	Continuing Calibration Blank	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	22.8864
5/10/2019 19:17:41	Continuing Calibration Blank	Fe (234.350 nm)	20.16	0.0049 (ppm)	123.5986
5/10/2019 19:17:41	Continuing Calibration Blank	K (766.491 nm)	> 100.00	0.0043 u (ppm)	41.9666
5/10/2019 19:17:41	Continuing Calibration Blank	Mg (279.078 nm)	16.10	0.0087 (ppm)	53.2057
5/10/2019 19:17:41	Continuing Calibration Blank	Mn (257.610 nm)	11.61	0.0001 (ppm)	62.6643
5/10/2019 19:17:41	Continuing Calibration Blank	Mo (202.032 nm)	8.30	0.0039 (ppm)	22.9517
5/10/2019 19:17:41	Continuing Calibration Blank	Na (588.995 nm)	11.76	0.0123 (ppm)	-8601.1490
5/10/2019 19:17:41	Continuing Calibration Blank	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.1467
5/10/2019 19:17:41	Continuing Calibration Blank	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	0.9617
5/10/2019 19:17:41	Continuing Calibration Blank	Sb (217.582 nm)	28.44	0.0041 (ppm)	1.4534
5/10/2019 19:17:41	Continuing Calibration Blank	Se (196.026 nm)	65.54	0.0041 (ppm)	1.4072
5/10/2019 19:17:41	Continuing Calibration Blank	Sn (189.925 nm)	73.84	-0.0003 u (ppm)	-1.0639
5/10/2019 19:17:41	Continuing Calibration Blank	Sr (216.596 nm)	32.16	0.0005 (ppm)	3.7903
5/10/2019 19:17:41	Continuing Calibration Blank	Ti (336.122 nm)	16.18	0.0018 (ppm)	332.0546
5/10/2019 19:17:41	Continuing Calibration Blank	Tl (351.923 nm)	> 100.00	0.0020 u (ppm)	4.6947
5/10/2019 19:17:41	Continuing Calibration Blank	V (292.401 nm)	26.80	0.0003 (ppm)	56.0493
5/10/2019 19:17:41	Continuing Calibration Blank	Y (360.074 nm)	0.32	1.04 (Ratio)	1177366.93
5/10/2019 19:17:41	Continuing Calibration Blank	Y_R (360.074 nm)	0.32	1.04 (Ratio)	1180131.45
5/10/2019 19:17:41	Continuing Calibration Blank	Zn (213.857 nm)	> 100.00	0.0000 u (ppm)	-7.0544
5/10/2019 19:21:00	PBW-336345	Ag (328.068 nm)	19.47	-0.0001 u (ppm)	-67.6980
5/10/2019 19:21:00	PBW-336345	Al (394.401 nm)	10.72	-0.0052 u (ppm)	283.3532
5/10/2019 19:21:00	PBW-336345	As (188.980 nm)	33.31	0.0016 (ppm)	1.0764
5/10/2019 19:21:00	PBW-336345	B (249.772 nm)	19.10	-0.0008 u (ppm)	72.9302
5/10/2019 19:21:00	PBW-336345	Ba (230.424 nm)	46.73	0.0001 (ppm)	24.3344
5/10/2019 19:21:00	PBW-336345	Be (313.107 nm)	31.44	0.0000 u (ppm)	-297.9867
5/10/2019 19:21:00	PBW-336345	Ca (227.547 nm)	50.28	0.0597 (ppm)	4.7192
5/10/2019 19:21:00	PBW-336345	Cd (214.439 nm)	61.22	-0.0001 u (ppm)	6.5551
5/10/2019 19:21:00	PBW-336345	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.0980
5/10/2019 19:21:00	PBW-336345	Cr (267.716 nm)	> 100.00	-0.0002 u (ppm)	5.6462
5/10/2019 19:21:00	PBW-336345	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	25.6666
5/10/2019 19:21:00	PBW-336345	Fe (234.350 nm)	68.91	-0.0007 u (ppm)	66.0197
5/10/2019 19:21:00	PBW-336345	K (766.491 nm)	0.71	0.2813 (ppm)	956.6868
5/10/2019 19:21:00	PBW-336345	Mg (279.078 nm)	23.66	-0.0065 u (ppm)	20.5521
5/10/2019 19:21:00	PBW-336345	Mn (257.610 nm)	87.92	0.0000 u (ppm)	40.2161
5/10/2019 19:21:00	PBW-336345	Mo (202.032 nm)	21.31	0.0007 (ppm)	5.2652
5/10/2019 19:21:00	PBW-336345	Na (588.995 nm)	3.64	0.0608 (ppm)	-6574.9187
5/10/2019 19:21:00	PBW-336345	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-10.9034
5/10/2019 19:21:00	PBW-336345	Pb (220.353 nm)	47.80	0.0013 (ppm)	3.9956
5/10/2019 19:21:00	PBW-336345	Sb (217.582 nm)	> 100.00	0.0017 u (ppm)	-1.1520
5/10/2019 19:21:00	PBW-336345	Se (196.026 nm)	25.60	0.0011 (ppm)	0.0952
5/10/2019 19:21:00	PBW-336345	Sn (189.925 nm)	95.30	0.0018 (ppm)	0.3150
5/10/2019 19:21:00	PBW-336345	Sr (216.596 nm)	> 100.00	0.0002 (ppm)	0.8017
5/10/2019 19:21:00	PBW-336345	Ti (336.122 nm)	3.90	0.0012 (ppm)	170.5867
5/10/2019 19:21:00	PBW-336345	Tl (351.923 nm)	> 100.00	-0.0011 u (ppm)	-3.9954
5/10/2019 19:21:00	PBW-336345	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	45.0543
5/10/2019 19:21:00	PBW-336345	Y (360.074 nm)	0.42	1.06 (Ratio)	1209366.97
5/10/2019 19:21:00	PBW-336345	Y_R (360.074 nm)	0.43	1.07 (Ratio)	1212094.09
5/10/2019 19:21:00	PBW-336345	Zn (213.857 nm)	1.45	0.0054 (ppm)	160.6401
5/10/2019 19:24:21	LCSW-336345	Ag (328.068 nm)	0.15	0.0508 (ppm)	3213.7936
5/10/2019 19:24:21	LCSW-336345	Al (394.401 nm)	0.12	1.8561 (ppm)	30299.4534
5/10/2019 19:24:21	LCSW-336345	As (188.980 nm)	8.06	0.0376 (ppm)	22.8289

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:24:21	LCSW-336345	B (249.772 nm)	0.09	0.9861 (ppm)	36859.2187
5/10/2019 19:24:21	LCSW-336345	Ba (230.424 nm)	0.39	2.0595 (ppm)	93220.1171
5/10/2019 19:24:21	LCSW-336345	Be (313.107 nm)	0.19	0.0496 (ppm)	61968.1829
5/10/2019 19:24:21	LCSW-336345	Ca (227.547 nm)	3.20	1.9246 (ppm)	111.2860
5/10/2019 19:24:21	LCSW-336345	Cd (214.439 nm)	0.85	0.0506 (ppm)	1009.4784
5/10/2019 19:24:21	LCSW-336345	Co (230.786 nm)	0.11	0.5195 (ppm)	6167.2219
5/10/2019 19:24:21	LCSW-336345	Cr (267.716 nm)	0.31	0.2035 (ppm)	7947.6667
5/10/2019 19:24:21	LCSW-336345	Cu (327.395 nm)	0.13	0.2428 (ppm)	14743.2754
5/10/2019 19:24:21	LCSW-336345	Fe (234.350 nm)	0.14	0.9778 (ppm)	10172.0340
5/10/2019 19:24:21	LCSW-336345	K (766.491 nm)	0.14	19.1854 (ppm)	63386.7831
5/10/2019 19:24:21	LCSW-336345	Mg (279.078 nm)	0.25	2.0025 (ppm)	4325.3455
5/10/2019 19:24:21	LCSW-336345	Mn (257.610 nm)	0.18	0.5026 (ppm)	150812.4838
5/10/2019 19:24:21	LCSW-336345	Mo (202.032 nm)	0.47	0.4883 (ppm)	2623.0817
5/10/2019 19:24:21	LCSW-336345	Na (588.995 nm)	0.39	19.7125 (ppm)	814195.0743
5/10/2019 19:24:21	LCSW-336345	Ni (230.299 nm)	0.16	0.5079 (ppm)	4823.6914
5/10/2019 19:24:21	LCSW-336345	Pb (220.353 nm)	0.24	0.5177 (ppm)	1411.1497
5/10/2019 19:24:21	LCSW-336345	Sb (217.582 nm)	0.76	0.4787 (ppm)	512.3774
5/10/2019 19:24:21	LCSW-336345	Se (196.026 nm)	0.71	1.0345 (ppm)	454.4421
5/10/2019 19:24:21	LCSW-336345	Sn (189.925 nm)	0.29	4.9942 (ppm)	3419.6304
5/10/2019 19:24:21	LCSW-336345	Sr (216.596 nm)	0.38	2.0531 (ppm)	19792.0390
5/10/2019 19:24:21	LCSW-336345	Ti (336.122 nm)	0.21	0.5011 (ppm)	117746.8219
5/10/2019 19:24:21	LCSW-336345	Ti (351.923 nm)	0.15	1.9219 (ppm)	5385.9919
5/10/2019 19:24:21	LCSW-336345	V (292.401 nm)	0.16	0.4941 (ppm)	14899.2290
5/10/2019 19:24:21	LCSW-336345	Y (360.074 nm)	0.47	1.03 (Ratio)	1173575.22
5/10/2019 19:24:21	LCSW-336345	Y_R (360.074 nm)	0.47	1.03 (Ratio)	1176241.75
5/10/2019 19:24:21	LCSW-336345	Zn (213.857 nm)	0.16	0.5120 (ppm)	16117.4713
5/10/2019 19:27:40	R1904022-001	Ag (328.068 nm)	40.00	-0.0002 u (ppm)	-70.4166
5/10/2019 19:27:40	R1904022-001	Al (394.401 nm)	1.56	0.0358 (ppm)	943.5093
5/10/2019 19:27:40	R1904022-001	As (188.980 nm)	6.38	0.0176 (ppm)	10.7561
5/10/2019 19:27:40	R1904022-001	B (249.772 nm)	0.27	0.0805 (ppm)	3101.5224
5/10/2019 19:27:40	R1904022-001	Ba (230.424 nm)	0.46	0.7148 (ppm)	32365.8280
5/10/2019 19:27:40	R1904022-001	Be (313.107 nm)	67.32	0.0000 u (ppm)	-302.0757
5/10/2019 19:27:40	R1904022-001	Ca (227.547 nm)	0.14	103.6084 o (ppm)	5921.7757
5/10/2019 19:27:40	R1904022-001	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	7.4128
5/10/2019 19:27:40	R1904022-001	Co (230.786 nm)	15.84	0.0019 (ppm)	20.8925
5/10/2019 19:27:40	R1904022-001	Cr (267.716 nm)	23.09	0.0003 (ppm)	23.2629
5/10/2019 19:27:40	R1904022-001	Cu (327.395 nm)	60.00	-0.0004 u (ppm)	0.1711
5/10/2019 19:27:40	R1904022-001	Fe (234.350 nm)	0.30	5.4077 (ppm)	55923.9542
5/10/2019 19:27:40	R1904022-001	K (766.491 nm)	0.57	7.8817 (ppm)	26056.8011
5/10/2019 19:27:40	R1904022-001	Mg (279.078 nm)	0.31	39.7832 (ppm)	85279.3715
5/10/2019 19:27:40	R1904022-001	Mn (257.610 nm)	0.15	0.1476 (ppm)	44331.9552
5/10/2019 19:27:40	R1904022-001	Mo (202.032 nm)	31.68	0.0017 (ppm)	10.7225
5/10/2019 19:27:40	R1904022-001	Na (588.995 nm)	0.40	11.7425 (ppm)	481317.7678
5/10/2019 19:27:40	R1904022-001	Ni (230.299 nm)	> 100.00	0.0008 u (ppm)	-4.5923
5/10/2019 19:27:40	R1904022-001	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	0.9438
5/10/2019 19:27:40	R1904022-001	Sb (217.582 nm)	> 100.00	0.0023 u (ppm)	-0.4225
5/10/2019 19:27:40	R1904022-001	Se (196.026 nm)	> 100.00	-0.0019 u (ppm)	-1.2151
5/10/2019 19:27:40	R1904022-001	Sn (189.925 nm)	> 100.00	-0.0013 u (ppm)	-1.7657
5/10/2019 19:27:40	R1904022-001	Sr (216.596 nm)	0.22	0.3705 (ppm)	3570.5029
5/10/2019 19:27:40	R1904022-001	Ti (336.122 nm)	4.59	0.0028 (ppm)	564.6833
5/10/2019 19:27:40	R1904022-001	Ti (351.923 nm)	38.06	0.0040 (ppm)	10.1803

Date Time	-Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:27:40	R1904022-001	V (292.401 nm)	33.80	-0.0006 u (ppm)	30.9852
5/10/2019 19:27:40	R1904022-001	Y (360.074 nm)	0.30	0.99 (Ratio)	1127685.77
5/10/2019 19:27:40	R1904022-001	Y_R (360.074 nm)	0.30	0.99 (Ratio)	1130212.37
5/10/2019 19:27:40	R1904022-001	Zn (213.857 nm)	0.89	0.0033 (ppm)	96.1647
5/10/2019 19:31:00	R1904022-002	Ag (328.068 nm)	27.55	-0.0002 u (ppm)	-70.7066
5/10/2019 19:31:00	R1904022-002	Al (394.401 nm)	0.79	0.0506 (ppm)	1183.0977
5/10/2019 19:31:00	R1904022-002	As (188.980 nm)	25.78	0.0024 (ppm)	1.5648
5/10/2019 19:31:00	R1904022-002	B (249.772 nm)	0.16	0.0152 (ppm)	668.5764
5/10/2019 19:31:00	R1904022-002	Ba (230.424 nm)	0.10	0.0469 (ppm)	2143.3150
5/10/2019 19:31:00	R1904022-002	Be (313.107 nm)	46.68	0.0000 (ppm)	-271.7683
5/10/2019 19:31:00	R1904022-002	Ca (227.547 nm)	0.59	7.5748 (ppm)	434.1532
5/10/2019 19:31:00	R1904022-002	Cd (214.439 nm)	27.11	-0.0003 u (ppm)	3.3678
5/10/2019 19:31:00	R1904022-002	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	-0.1463
5/10/2019 19:31:00	R1904022-002	Cr (267.716 nm)	7.33	0.0005 (ppm)	33.5415
5/10/2019 19:31:00	R1904022-002	Cu (327.395 nm)	86.59	0.0002 (ppm)	33.0621
5/10/2019 19:31:00	R1904022-002	Fe (234.350 nm)	0.44	0.0712 (ppm)	808.2728
5/10/2019 19:31:00	R1904022-002	K (766.491 nm)	0.76	0.2812 (ppm)	956.5008
5/10/2019 19:31:00	R1904022-002	Mg (279.078 nm)	0.12	1.5573 (ppm)	3371.4989
5/10/2019 19:31:00	R1904022-002	Mn (257.610 nm)	0.11	0.2489 (ppm)	74719.6016
5/10/2019 19:31:00	R1904022-002	Mo (202.032 nm)	> 100.00	0.0003 (ppm)	3.4741
5/10/2019 19:31:00	R1904022-002	Na (588.995 nm)	0.31	1.0821 (ppm)	36080.5070
5/10/2019 19:31:00	R1904022-002	Ni (230.299 nm)	20.47	-0.0036 u (ppm)	-46.6753
5/10/2019 19:31:00	R1904022-002	Pb (220.353 nm)	> 100.00	0.0005 u (ppm)	1.8954
5/10/2019 19:31:00	R1904022-002	Sb (217.582 nm)	5.67	0.0019 (ppm)	-0.8987
5/10/2019 19:31:00	R1904022-002	Se (196.026 nm)	> 100.00	-0.0031 u (ppm)	-1.7535
5/10/2019 19:31:00	R1904022-002	Sn (189.925 nm)	> 100.00	0.0003 u (ppm)	-0.6676
5/10/2019 19:31:00	R1904022-002	Sr (216.596 nm)	1.34	0.0282 (ppm)	271.1622
5/10/2019 19:31:00	R1904022-002	Ti (336.122 nm)	1.07	0.0022 (ppm)	417.6251
5/10/2019 19:31:00	R1904022-002	Tl (351.923 nm)	> 100.00	-0.0006 u (ppm)	-2.6673
5/10/2019 19:31:00	R1904022-002	V (292.401 nm)	16.71	-0.0003 u (ppm)	39.4681
5/10/2019 19:31:00	R1904022-002	Y (360.074 nm)	0.43	1.04 (Ratio)	1187717.96
5/10/2019 19:31:00	R1904022-002	Y_R (360.074 nm)	0.43	1.05 (Ratio)	1190699.67
5/10/2019 19:31:00	R1904022-002	Zn (213.857 nm)	23.14	0.0003 (ppm)	1.2234
5/10/2019 19:34:19	R1904022-003	Ag (328.068 nm)	30.58	-0.0005 u (ppm)	-92.7782
5/10/2019 19:34:19	R1904022-003	Al (394.401 nm)	1.82	0.0129 (ppm)	573.9844
5/10/2019 19:34:19	R1904022-003	As (188.980 nm)	25.22	0.0078 (ppm)	4.8293
5/10/2019 19:34:19	R1904022-003	B (249.772 nm)	0.25	0.1674 (ppm)	6339.7615
5/10/2019 19:34:19	R1904022-003	Ba (230.424 nm)	0.29	1.1629 (ppm)	52646.8498
5/10/2019 19:34:19	R1904022-003	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-292.4038
5/10/2019 19:34:19	R1904022-003	Ca (227.547 nm)	0.17	91.7879 o (ppm)	5246.3195
5/10/2019 19:34:19	R1904022-003	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.7416
5/10/2019 19:34:19	R1904022-003	Co (230.786 nm)	16.94	0.0018 (ppm)	18.9099
5/10/2019 19:34:19	R1904022-003	Cr (267.716 nm)	8.23	-0.0013 u (ppm)	-36.9810
5/10/2019 19:34:19	R1904022-003	Cu (327.395 nm)	14.10	0.0011 (ppm)	90.9720
5/10/2019 19:34:19	R1904022-003	Fe (234.350 nm)	0.35	7.2888 (ppm)	75352.3144
5/10/2019 19:34:19	R1904022-003	K (766.491 nm)	0.20	6.9133 (ppm)	22858.5928
5/10/2019 19:34:19	R1904022-003	Mg (279.078 nm)	0.26	35.7730 (ppm)	76686.3976
5/10/2019 19:34:19	R1904022-003	Mn (257.610 nm)	0.37	5.2567 o (ppm)	1577070.6230
5/10/2019 19:34:19	R1904022-003	Mo (202.032 nm)	97.75	0.0003 u (ppm)	3.2999
5/10/2019 19:34:19	R1904022-003	Na (588.995 nm)	0.12	5.6937 (ppm)	228687.3331
5/10/2019 19:34:19	R1904022-003	Ni (230.299 nm)	21.01	-0.0034 u (ppm)	-44.0158

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:34:19	R1904022-003	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	-0.0535
5/10/2019 19:34:19	R1904022-003	Sb (217.582 nm)	53.70	0.0024 (ppm)	-0.3278
5/10/2019 19:34:19	R1904022-003	Se (196.026 nm)	> 100.00	-0.0025 u (ppm)	-1.5128
5/10/2019 19:34:19	R1904022-003	Sn (189.925 nm)	> 100.00	-0.0007 u (ppm)	-1.3832
5/10/2019 19:34:19	R1904022-003	Sr (216.596 nm)	0.47	0.2867 (ppm)	2763.3014
5/10/2019 19:34:19	R1904022-003	Ti (336.122 nm)	5.73	0.0008 (ppm)	85.3203
5/10/2019 19:34:19	R1904022-003	Tl (351.923 nm)	21.52	0.0045 (ppm)	11.6243
5/10/2019 19:34:19	R1904022-003	V (292.401 nm)	44.71	0.0006 (ppm)	67.3389
5/10/2019 19:34:19	R1904022-003	Y (360.074 nm)	0.19	1.00 (Ratio)	1131883.01
5/10/2019 19:34:19	R1904022-003	Y_R (360.074 nm)	0.19	1.00 (Ratio)	1134569.81
5/10/2019 19:34:19	R1904022-003	Zn (213.857 nm)	1.09	0.0042 (ppm)	124.4983
5/10/2019 19:37:38	R1904022-004	Ag (328.068 nm)	11.89	-0.0001 u (ppm)	-66.3211
5/10/2019 19:37:38	R1904022-004	Al (394.401 nm)	0.21	1.9367 (ppm)	31598.9690
5/10/2019 19:37:38	R1904022-004	As (188.980 nm)	86.33	0.0015 (ppm)	1.0355
5/10/2019 19:37:38	R1904022-004	B (249.772 nm)	0.65	0.0073 (ppm)	374.1776
5/10/2019 19:37:38	R1904022-004	Ba (230.424 nm)	0.22	0.1311 (ppm)	5952.6076
5/10/2019 19:37:38	R1904022-004	Be (313.107 nm)	5.51	0.0001 (ppm)	-219.3902
5/10/2019 19:37:38	R1904022-004	Ca (227.547 nm)	0.13	43.6245 (ppm)	2494.1291
5/10/2019 19:37:38	R1904022-004	Cd (214.439 nm)	78.72	-0.0001 u (ppm)	6.4648
5/10/2019 19:37:38	R1904022-004	Co (230.786 nm)	25.88	0.0007 (ppm)	6.5835
5/10/2019 19:37:38	R1904022-004	Cr (267.716 nm)	2.43	0.0024 (ppm)	107.4113
5/10/2019 19:37:38	R1904022-004	Cu (327.395 nm)	8.01	0.0021 (ppm)	153.1691
5/10/2019 19:37:38	R1904022-004	Fe (234.350 nm)	0.23	2.0602 (ppm)	21350.5457
5/10/2019 19:37:38	R1904022-004	K (766.491 nm)	0.56	0.9377 (ppm)	3124.3760
5/10/2019 19:37:38	R1904022-004	Mg (279.078 nm)	0.22	12.4128 (ppm)	26631.7974
5/10/2019 19:37:38	R1904022-004	Mn (257.610 nm)	0.15	0.0817 (ppm)	24564.2907
5/10/2019 19:37:38	R1904022-004	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.5458
5/10/2019 19:37:38	R1904022-004	Na (588.995 nm)	0.15	2.3071 (ppm)	87240.3873
5/10/2019 19:37:38	R1904022-004	Ni (230.299 nm)	7.39	-0.0050 u (ppm)	-59.3278
5/10/2019 19:37:38	R1904022-004	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	0.0744
5/10/2019 19:37:38	R1904022-004	Sb (217.582 nm)	66.45	0.0030 (ppm)	0.3042
5/10/2019 19:37:38	R1904022-004	Se (196.026 nm)	> 100.00	0.0018 (ppm)	0.3983
5/10/2019 19:37:38	R1904022-004	Sn (189.925 nm)	53.11	-0.0017 u (ppm)	-2.0168
5/10/2019 19:37:38	R1904022-004	Sr (216.596 nm)	0.86	0.0923 (ppm)	888.9565
5/10/2019 19:37:38	R1904022-004	Ti (336.122 nm)	0.78	0.0586 (ppm)	13672.3840
5/10/2019 19:37:38	R1904022-004	Tl (351.923 nm)	> 100.00	-0.0003 u (ppm)	-1.7197
5/10/2019 19:37:38	R1904022-004	V (292.401 nm)	3.86	0.0027 (ppm)	128.2761
5/10/2019 19:37:38	R1904022-004	Y (360.074 nm)	0.32	1.02 (Ratio)	1161080.74
5/10/2019 19:37:38	R1904022-004	Y_R (360.074 nm)	0.32	1.02 (Ratio)	1163959.51
5/10/2019 19:37:38	R1904022-004	Zn (213.857 nm)	2.01	0.0045 (ppm)	131.8579
5/10/2019 19:40:58	R1904022-005	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-62.2249
5/10/2019 19:40:58	R1904022-005	Al (394.401 nm)	8.63	0.0163 (ppm)	629.8690
5/10/2019 19:40:58	R1904022-005	As (188.980 nm)	4.82	0.0446 (ppm)	27.0725
5/10/2019 19:40:58	R1904022-005	B (249.772 nm)	0.31	0.0437 (ppm)	1731.6113
5/10/2019 19:40:58	R1904022-005	Ba (230.424 nm)	0.13	0.6439 (ppm)	29159.7095
5/10/2019 19:40:58	R1904022-005	Be (313.107 nm)	49.21	0.0000 u (ppm)	-294.2271
5/10/2019 19:40:58	R1904022-005	Ca (227.547 nm)	0.19	152.8706 u (ppm)	8736.7482
5/10/2019 19:40:58	R1904022-005	Cd (214.439 nm)	65.53	0.0003 (ppm)	14.4276
5/10/2019 19:40:58	R1904022-005	Co (230.786 nm)	6.55	0.0053 (ppm)	60.8038
5/10/2019 19:40:58	R1904022-005	Cr (267.716 nm)	44.93	0.0004 (ppm)	27.6673
5/10/2019 19:40:58	R1904022-005	Cu (327.395 nm)	90.16	-0.0001 u (ppm)	17.4078

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:40:58	R1904022-005	Fe (234.350 nm)	0.20	18.2526 o (ppm)	188587.9914
5/10/2019 19:40:58	R1904022-005	K (766.491 nm)	0.69	3.6006 (ppm)	11918.5044
5/10/2019 19:40:58	R1904022-005	Mg (279.078 nm)	0.15	11.5716 (ppm)	24829.4040
5/10/2019 19:40:58	R1904022-005	Mn (257.610 nm)	0.18	0.0953 (ppm)	28623.6485
5/10/2019 19:40:58	R1904022-005	Mo (202.032 nm)	24.51	0.0005 (ppm)	4.3551
5/10/2019 19:40:58	R1904022-005	Na (588.995 nm)	0.44	2.7680 (ppm)	106490.8190
5/10/2019 19:40:58	R1904022-005	Ni (230.299 nm)	14.86	-0.0035 u (ppm)	-45.3522
5/10/2019 19:40:58	R1904022-005	Pb (220.353 nm)	> 100.00	-0.0002 u (ppm)	-0.0529
5/10/2019 19:40:58	R1904022-005	Sb (217.582 nm)	> 100.00	0.0019 (ppm)	-0.8648
5/10/2019 19:40:58	R1904022-005	Se (196.026 nm)	> 100.00	-0.0038 u (ppm)	-2.0701
5/10/2019 19:40:58	R1904022-005	Sn (189.925 nm)	> 100.00	-0.0016 u (ppm)	-1.9520
5/10/2019 19:40:58	R1904022-005	Sr (216.596 nm)	0.46	0.5393 (ppm)	5198.5110
5/10/2019 19:40:58	R1904022-005	Ti (336.122 nm)	4.91	0.0012 (ppm)	185.9466
5/10/2019 19:40:58	R1904022-005	Tl (351.923 nm)	19.39	0.0054 (ppm)	14.1430
5/10/2019 19:40:58	R1904022-005	V (292.401 nm)	95.41	-0.0001 u (ppm)	44.7759
5/10/2019 19:40:58	R1904022-005	Y (360.074 nm)	0.26	0.99 (Ratio)	1129048.97
5/10/2019 19:40:58	R1904022-005	Y_R (360.074 nm)	0.27	1.00 (Ratio)	1131720.59
5/10/2019 19:40:58	R1904022-005	Zn (213.857 nm)	4.20	0.0032 (ppm)	92.6964
5/10/2019 19:44:17	R1904022-006	Ag (328.068 nm)	85.68	-0.0002 u (ppm)	-68.4726
5/10/2019 19:44:17	R1904022-006	Al (394.401 nm)	0.23	0.5778 (ppm)	9684.4337
5/10/2019 19:44:17	R1904022-006	As (188.980 nm)	> 100.00	0.0012 u (ppm)	0.8367
5/10/2019 19:44:17	R1904022-006	B (249.772 nm)	0.25	0.0655 (ppm)	2540.7413
5/10/2019 19:44:17	R1904022-006	Ba (230.424 nm)	0.82	0.3631 (ppm)	16453.4674
5/10/2019 19:44:17	R1904022-006	Be (313.107 nm)	> 100.00	0.0000 (ppm)	-279.2837
5/10/2019 19:44:17	R1904022-006	Ca (227.547 nm)	0.19	44.5352 (ppm)	2546.1677
5/10/2019 19:44:17	R1904022-006	Cd (214.439 nm)	25.52	-0.0003 u (ppm)	2.2827
5/10/2019 19:44:17	R1904022-006	Co (230.786 nm)	87.04	0.0004 (ppm)	2.6362
5/10/2019 19:44:17	R1904022-006	Cr (267.716 nm)	1.77	0.0014 (ppm)	65.6912
5/10/2019 19:44:17	R1904022-006	Cu (327.395 nm)	2.18	0.0018 (ppm)	132.2219
5/10/2019 19:44:17	R1904022-006	Fe (234.350 nm)	0.21	0.5241 (ppm)	5485.8372
5/10/2019 19:44:17	R1904022-006	K (766.491 nm)	0.11	2.3443 (ppm)	7769.5831
5/10/2019 19:44:17	R1904022-006	Mg (279.078 nm)	0.28	19.7230 (ppm)	42295.6608
5/10/2019 19:44:17	R1904022-006	Mn (257.610 nm)	0.21	0.2596 (ppm)	77925.7631
5/10/2019 19:44:17	R1904022-006	Mo (202.032 nm)	63.17	0.0007 (ppm)	5.7801
5/10/2019 19:44:17	R1904022-006	Na (588.995 nm)	0.21	30.8681 (ppm)	1280115.0941
5/10/2019 19:44:17	R1904022-006	Ni (230.299 nm)	14.05	-0.0033 u (ppm)	-43.5505
5/10/2019 19:44:17	R1904022-006	Pb (220.353 nm)	> 100.00	0.0008 u (ppm)	2.5319
5/10/2019 19:44:17	R1904022-006	Sb (217.582 nm)	43.79	0.0058 (ppm)	3.3148
5/10/2019 19:44:17	R1904022-006	Se (196.026 nm)	> 100.00	0.0021 u (ppm)	0.5083
5/10/2019 19:44:17	R1904022-006	Sn (189.925 nm)	> 100.00	0.0006 u (ppm)	-0.4745
5/10/2019 19:44:17	R1904022-006	Sr (216.596 nm)	0.32	0.5914 (ppm)	5700.9925
5/10/2019 19:44:17	R1904022-006	Ti (336.122 nm)	4.30	0.0190 (ppm)	4372.9174
5/10/2019 19:44:17	R1904022-006	Tl (351.923 nm)	49.24	0.0023 (ppm)	5.4033
5/10/2019 19:44:17	R1904022-006	V (292.401 nm)	54.40	0.0003 (ppm)	58.3612
5/10/2019 19:44:17	R1904022-006	Y (360.074 nm)	0.31	1.00 (Ratio)	1142311.08
5/10/2019 19:44:17	R1904022-006	Y_R (360.074 nm)	0.31	1.01 (Ratio)	1145020.82
5/10/2019 19:44:17	R1904022-006	Zn (213.857 nm)	2.15	0.0026 (ppm)	72.5580
5/10/2019 19:47:36	R1904022-008	Ag (328.068 nm)	15.86	-0.0012 u (ppm)	-136.5469
5/10/2019 19:47:36	R1904022-008	Al (394.401 nm)	23.95	0.2726 (ppm)	4762.9231
5/10/2019 19:47:36	R1904022-008	As (188.980 nm)	55.93	0.0404 (ppm)	24.5414
5/10/2019 19:47:36	R1904022-008	B (249.772 nm)	0.63	3.3530 (ppm)	125087.9447

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:47:36	R1904022-008	Ba (230.424 nm)	1.45	220.7266 o (ppm)	9988773.6841
5/10/2019 19:47:36	R1904022-008	Be (313.107 nm)	20.78	0.0001 (ppm)	-100.3456
5/10/2019 19:47:36	R1904022-008	Ce (227.547 nm)	0.13	17583.4054 o (ppm)	1004765.1732
5/10/2019 19:47:36	R1904022-008	Cd (214.439 nm)	> 100.00	0.0004 u (ppm)	17.4885
5/10/2019 19:47:36	R1904022-008	Co (230.786 nm)	> 100.00	-0.0011 u (ppm)	-14.8242
5/10/2019 19:47:36	R1904022-008	Cr (267.716 nm)	26.66	-0.0010 u (ppm)	-26.4062
5/10/2019 19:47:36	R1904022-008	Cu (327.395 nm)	20.04	0.0026 (ppm)	179.7780
5/10/2019 19:47:36	R1904022-008	Fe (234.350 nm)	41.66	0.0175 (ppm)	253.6769
5/10/2019 19:47:36	R1904022-008	K (766.491 nm)	0.39	1549.2064 o (ppm)	5116238.7526
5/10/2019 19:47:36	R1904022-008	Mg (279.078 nm)	0.70	446.5758 o (ppm)	956926.6841
5/10/2019 19:47:36	R1904022-008	Mn (257.610 nm)	0.80	0.8325 (ppm)	249802.7365
5/10/2019 19:47:36	R1904022-008	Mo (202.032 nm)	> 100.00	0.0013 u (ppm)	9.0170
5/10/2019 19:47:36	R1904022-008	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 19:47:36	R1904022-008	Ni (230.299 nm)	1.29	-0.0562 u (ppm)	-546.9944
5/10/2019 19:47:36	R1904022-008	Pb (220.353 nm)	37.18	0.0081 (ppm)	22.4900
5/10/2019 19:47:36	R1904022-008	Sb (217.582 nm)	> 100.00	0.0093 u (ppm)	7.1061
5/10/2019 19:47:36	R1904022-008	Se (196.026 nm)	72.92	-0.0207 u (ppm)	-9.5007
5/10/2019 19:47:36	R1904022-008	Sn (189.925 nm)	> 100.00	-0.0007 u (ppm)	-1.3845
5/10/2019 19:47:36	R1904022-008	Sr (216.596 nm)	3.01	452.2223 o (ppm)	4359778.3524
5/10/2019 19:47:36	R1904022-008	Ti (336.122 nm)	0.36	0.1662 (ppm)	38979.9672
5/10/2019 19:47:36	R1904022-008	Tl (351.923 nm)	2.83	0.3531 (ppm)	988.8816
5/10/2019 19:47:36	R1904022-008	V (292.401 nm)	12.03	-0.0023 u (ppm)	-20.7808
5/10/2019 19:47:36	R1904022-008	Y (360.074 nm)	0.48	0.36 (Ratio)	409364.56
5/10/2019 19:47:36	R1904022-008	Y_R (360.074 nm)	0.47	0.36 (Ratio)	410009.61
5/10/2019 19:47:36	R1904022-008	Zn (213.857 nm)	25.39	0.0027 (ppm)	75.2907
5/10/2019 19:50:56	R1904022-009	Ag (328.068 nm)	46.97	-0.0004 u (ppm)	-83.3021
5/10/2019 19:50:56	R1904022-009	Al (394.401 nm)	2.11	0.0444 (ppm)	1082.7623
5/10/2019 19:50:56	R1904022-009	As (188.980 nm)	3.41	0.1625 (ppm)	98.1962
5/10/2019 19:50:56	R1904022-009	B (249.772 nm)	0.18	3.0322 (ppm)	113129.8045
5/10/2019 19:50:56	R1904022-009	Ba (230.424 nm)	1.01	83.8737 o (ppm)	3795636.4031
5/10/2019 19:50:56	R1904022-009	Be (313.107 nm)	31.04	0.0000 u (ppm)	-303.9410
5/10/2019 19:50:56	R1904022-009	Ce (227.547 nm)	0.33	2295.1067 o (ppm)	131149.9802
5/10/2019 19:50:56	R1904022-009	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.5308
5/10/2019 19:50:56	R1904022-009	Co (230.786 nm)	> 100.00	-0.0006 u (ppm)	-9.6027
5/10/2019 19:50:56	R1904022-009	Cr (267.716 nm)	33.19	-0.0007 u (ppm)	-15.6816
5/10/2019 19:50:56	R1904022-009	Cu (327.395 nm)	33.97	-0.0009 u (ppm)	-31.1612
5/10/2019 19:50:56	R1904022-009	Fe (234.350 nm)	0.25	10.7870 (ppm)	111482.6463
5/10/2019 19:50:56	R1904022-009	K (766.491 nm)	0.70	277.8839 o (ppm)	917731.5909
5/10/2019 19:50:56	R1904022-009	Mg (279.078 nm)	0.28	129.7226 o (ppm)	277995.3325
5/10/2019 19:50:56	R1904022-009	Mn (257.610 nm)	0.23	1.8726 o (ppm)	561834.2763
5/10/2019 19:50:56	R1904022-009	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	0.1283
5/10/2019 19:50:56	R1904022-009	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 19:50:56	R1904022-009	Ni (230.299 nm)	5.45	-0.0226 u (ppm)	-227.0458
5/10/2019 19:50:56	R1904022-009	Pb (220.353 nm)	> 100.00	-0.0009 u (ppm)	-2.1431
5/10/2019 19:50:56	R1904022-009	Sb (217.582 nm)	> 100.00	-0.0007 u (ppm)	-3.7043
5/10/2019 19:50:56	R1904022-009	Se (196.026 nm)	> 100.00	-0.0074 u (ppm)	-3.6364
5/10/2019 19:50:56	R1904022-009	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4103
5/10/2019 19:50:56	R1904022-009	Sr (216.596 nm)	0.85	150.9129 o (ppm)	1454917.9254
5/10/2019 19:50:56	R1904022-009	Ti (336.122 nm)	1.48	0.0132 (ppm)	2998.1910
5/10/2019 19:50:56	R1904022-009	Tl (351.923 nm)	1.52	0.0852 (ppm)	237.8948
5/10/2019 19:50:56	R1904022-009	V (292.401 nm)	25.15	-0.0015 u (ppm)	4.1307

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:50:56	R1904022-009	Y (360.074 nm)	0.41	0.63 (Ratio)	720437.00
5/10/2019 19:50:56	R1904022-009	Y_R (360.074 nm)	0.41	0.63 (Ratio)	721631.24
5/10/2019 19:50:56	R1904022-009	Zn (213.857 nm)	3.76	0.0032 (ppm)	93.0628
5/10/2019 19:54:16	Continuing Calibration Verification1	Ag (328.068 nm)	0.34	0.4991 (ppm)	32104.1845
5/10/2019 19:54:16	Continuing Calibration Verification1	Al (394.401 nm)	0.18	9.4403 (ppm)	152607.4130
5/10/2019 19:54:16	Continuing Calibration Verification1	As (188.980 nm)	0.76	0.9713 (ppm)	586.3537
5/10/2019 19:54:16	Continuing Calibration Verification1	B (249.772 nm)	0.16	2.3833 (ppm)	88942.1250
5/10/2019 19:54:16	Continuing Calibration Verification1	Ba (230.424 nm)	0.54	10.1964 (ppm)	461446.8371
5/10/2019 19:54:16	Continuing Calibration Verification1	Be (313.107 nm)	0.41	0.2482 (ppm)	311419.3031
5/10/2019 19:54:16	Continuing Calibration Verification1	Ca (227.547 nm)	0.56	24.2959 (ppm)	1389.6426
5/10/2019 19:54:16	Continuing Calibration Verification1	Cd (214.439 nm)	0.19	0.4854 (ppm)	9608.4795
5/10/2019 19:54:16	Continuing Calibration Verification1	Co (230.786 nm)	0.23	2.5741 (ppm)	30567.0782
5/10/2019 19:54:16	Continuing Calibration Verification1	Cr (267.716 nm)	0.20	0.4996 (ppm)	19492.5023
5/10/2019 19:54:16	Continuing Calibration Verification1	Cu (327.395 nm)	0.29	1.1828 (ppm)	71725.5442
5/10/2019 19:54:16	Continuing Calibration Verification1	Fe (234.350 nm)	0.33	4.8200 (ppm)	49854.5567
5/10/2019 19:54:16	Continuing Calibration Verification1	K (766.491 nm)	0.43	24.1012 (ppm)	79621.2603
5/10/2019 19:54:16	Continuing Calibration Verification1	Mg (279.078 nm)	0.25	24.9168 (ppm)	53424.6570
5/10/2019 19:54:16	Continuing Calibration Verification1	Mn (257.610 nm)	0.18	0.7440 (ppm)	223254.4251
5/10/2019 19:54:16	Continuing Calibration Verification1	Mo (202.032 nm)	0.54	2.3986 (ppm)	12877.3114
5/10/2019 19:54:16	Continuing Calibration Verification1	Na (588.995 nm)	0.98	26.3710 (ppm)	1092289.2131
5/10/2019 19:54:16	Continuing Calibration Verification1	Ni (230.299 nm)	0.24	1.9816 (ppm)	18856.2033
5/10/2019 19:54:16	Continuing Calibration Verification1	Pb (220.353 nm)	0.91	0.4972 (ppm)	1355.3467
5/10/2019 19:54:16	Continuing Calibration Verification1	Sb (217.582 nm)	0.18	4.7185 (ppm)	5075.9804
5/10/2019 19:54:16	Continuing Calibration Verification1	Se (196.026 nm)	1.29	0.4759 (ppm)	208.8153
5/10/2019 19:54:16	Continuing Calibration Verification1	Sn (189.925 nm)	0.17	4.9132 (ppm)	3364.1606
5/10/2019 19:54:16	Continuing Calibration Verification1	Sr (216.596 nm)	0.33	2.5821 (ppm)	24892.2277
5/10/2019 19:54:16	Continuing Calibration Verification1	Ti (336.122 nm)	0.37	2.4743 (ppm)	581844.2766
5/10/2019 19:54:16	Continuing Calibration Verification1	Tl (351.923 nm)	0.19	1.0022 (ppm)	2807.9722
5/10/2019 19:54:16	Continuing Calibration Verification1	V (292.401 nm)	0.22	2.5057 (ppm)	75363.6667
5/10/2019 19:54:16	Continuing Calibration Verification1	Y (360.074 nm)	0.65	1.00 (Ratio)	1131823.32
5/10/2019 19:54:16	Continuing Calibration Verification1	Y_R (360.074 nm)	0.65	1.00 (Ratio)	1134592.01
5/10/2019 19:54:16	Continuing Calibration Verification1	Zn (213.857 nm)	0.27	0.9617 (ppm)	30281.9740
5/10/2019 19:57:34	Continuing Calibration Blank1	Ag (328.068 nm)	40.51	-0.0002 u (ppm)	-70.6106
5/10/2019 19:57:34	Continuing Calibration Blank1	Al (394.401 nm)	1.85	-0.0118 u (ppm)	176.1273
5/10/2019 19:57:34	Continuing Calibration Blank1	As (188.980 nm)	98.84	-0.0001 u (ppm)	0.0582
5/10/2019 19:57:34	Continuing Calibration Blank1	B (249.772 nm)	47.70	0.0003 (ppm)	113.0567
5/10/2019 19:57:34	Continuing Calibration Blank1	Ba (230.424 nm)	24.40	0.0185 (ppm)	858.2869
5/10/2019 19:57:34	Continuing Calibration Blank1	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-288.4487
5/10/2019 19:57:34	Continuing Calibration Blank1	Ca (227.547 nm)	20.02	0.3664 (ppm)	22.2427
5/10/2019 19:57:34	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	7.1600
5/10/2019 19:57:34	Continuing Calibration Blank1	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	-0.2397
5/10/2019 19:57:34	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	10.6913
5/10/2019 19:57:34	Continuing Calibration Blank1	Cu (327.395 nm)	56.02	0.0002 (ppm)	33.6424
5/10/2019 19:57:34	Continuing Calibration Blank1	Fe (234.350 nm)	26.84	-0.0023 u (ppm)	49.1405
5/10/2019 19:57:34	Continuing Calibration Blank1	K (766.491 nm)	9.21	0.0656 (ppm)	244.2100
5/10/2019 19:57:34	Continuing Calibration Blank1	Mg (279.078 nm)	30.82	0.0163 (ppm)	69.4880
5/10/2019 19:57:34	Continuing Calibration Blank1	Mn (257.610 nm)	10.78	0.0001 (ppm)	68.6604
5/10/2019 19:57:34	Continuing Calibration Blank1	Mo (202.032 nm)	23.64	0.0034 (ppm)	20.0611
5/10/2019 19:57:34	Continuing Calibration Blank1	Na (588.995 nm)	13.15	1.7165 Z (ppm)	62574.9965 Z
5/10/2019 19:57:34	Continuing Calibration Blank1	Ni (230.299 nm)	> 100.00	-0.0001 u (ppm)	-12.6319
5/10/2019 19:57:34	Continuing Calibration Blank1	Pb (220.353 nm)	80.87	0.0011 (ppm)	3.3829

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 19:57:34	Continuing Calibration Blank1	Sb (217.582 nm)	66.83	0.0030 (ppm)	0.2918
5/10/2019 19:57:34	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0035 u (ppm)	1.1236
5/10/2019 19:57:34	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	0.0004 u (ppm)	-0.6110
5/10/2019 19:57:34	Continuing Calibration Blank1	Sr (216.596 nm)	18.64	0.0415 (ppm)	398.7675
5/10/2019 19:57:34	Continuing Calibration Blank1	Ti (336.122 nm)	24.33	0.0014 (ppm)	223.8447
5/10/2019 19:57:34	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	0.0006 u (ppm)	0.7730
5/10/2019 19:57:34	Continuing Calibration Blank1	V (292.401 nm)	53.93	-0.0002 u (ppm)	43.3982
5/10/2019 19:57:34	Continuing Calibration Blank1	Y (360.074 nm)	0.43	1.04 (Ratio)	1182775.95
5/10/2019 19:57:34	Continuing Calibration Blank1	Y_R (360.074 nm)	0.43	1.04 (Ratio)	1185932.77
5/10/2019 19:57:34	Continuing Calibration Blank1	Zn (213.857 nm)	32.79	0.0002 (ppm)	-2.2092
5/10/2019 20:00:54	R1904022-010	Ag (328.068 nm)	98.61	-0.0001 u (ppm)	-68.2032
5/10/2019 20:00:54	R1904022-010	Al (394.401 nm)	2.23	0.0215 (ppm)	712.8938
5/10/2019 20:00:54	R1904022-010	As (188.980 nm)	10.28	0.0353 (ppm)	21.4197
5/10/2019 20:00:54	R1904022-010	B (249.772 nm)	0.18	2.0206 (ppm)	75422.6679
5/10/2019 20:00:54	R1904022-010	Ba (230.424 nm)	0.26	15.2555 (ppm)	690393.1294
5/10/2019 20:00:54	R1904022-010	Be (313.107 nm)	12.42	0.0000 u (ppm)	-338.6777
5/10/2019 20:00:54	R1904022-010	Ca (227.547 nm)	0.07	480.1995 o (ppm)	27441.2181
5/10/2019 20:00:54	R1904022-010	Cd (214.439 nm)	46.05	-0.0003 u (ppm)	3.1053
5/10/2019 20:00:54	R1904022-010	Co (230.786 nm)	91.27	0.0001 (ppm)	-0.6449
5/10/2019 20:00:54	R1904022-010	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	9.2379
5/10/2019 20:00:54	R1904022-010	Cu (327.395 nm)	53.41	-0.0006 u (ppm)	-15.6967
5/10/2019 20:00:54	R1904022-010	Fe (234.350 nm)	1.57	0.0366 (ppm)	450.4961
5/10/2019 20:00:54	R1904022-010	K (766.491 nm)	0.14	112.2137 o (ppm)	370610.3932
5/10/2019 20:00:54	R1904022-010	Mg (279.078 nm)	0.18	33.7208 (ppm)	72289.1407
5/10/2019 20:00:54	R1904022-010	Mn (257.610 nm)	0.15	0.1799 (ppm)	54016.6029
5/10/2019 20:00:54	R1904022-010	Mo (202.032 nm)	21.44	0.0026 (ppm)	15.7655
5/10/2019 20:00:54	R1904022-010	Na (588.995 nm)	N/A	#### (ppm)	####
5/10/2019 20:00:54	R1904022-010	Ni (230.299 nm)	3.31	-0.0061 u (ppm)	-69.7290
5/10/2019 20:00:54	R1904022-010	Pb (220.353 nm)	53.14	-0.0018 u (ppm)	-4.4841
5/10/2019 20:00:54	R1904022-010	Sb (217.582 nm)	> 100.00	0.0014 u (ppm)	-1.4019
5/10/2019 20:00:54	R1904022-010	Se (196.026 nm)	73.09	-0.0074 u (ppm)	-3.6520
5/10/2019 20:00:54	R1904022-010	Sn (189.925 nm)	> 100.00	-0.0008 u (ppm)	-1.4202
5/10/2019 20:00:54	R1904022-010	Sr (216.596 nm)	0.44	43.7849 o (ppm)	422120.2497
5/10/2019 20:00:54	R1904022-010	Ti (336.122 nm)	0.36	0.0032 (ppm)	646.9271
5/10/2019 20:00:54	R1904022-010	Tl (351.923 nm)	26.42	0.0235 (ppm)	64.8995
5/10/2019 20:00:54	R1904022-010	V (292.401 nm)	6.38	-0.0010 u (ppm)	19.7382
5/10/2019 20:00:54	R1904022-010	Y (360.074 nm)	0.45	0.79 (Ratio)	895349.24
5/10/2019 20:00:54	R1904022-010	Y_R (360.074 nm)	0.46	0.79 (Ratio)	897020.20
5/10/2019 20:00:54	R1904022-010	Zn (213.857 nm)	> 100.00	0.0002 u (ppm)	-3.5853
5/10/2019 20:04:14	R1904062-001	Ag (328.068 nm)	39.72	-0.0002 u (ppm)	-69.5140
5/10/2019 20:04:14	R1904062-001	Al (394.401 nm)	0.20	1.6586 (ppm)	27113.8429
5/10/2019 20:04:14	R1904062-001	As (188.980 nm)	> 100.00	0.0000 u (ppm)	0.1459
5/10/2019 20:04:14	R1904062-001	B (249.772 nm)	0.25	0.0491 (ppm)	1930.0408
5/10/2019 20:04:14	R1904062-001	Ba (230.424 nm)	3.92	0.0951 (ppm)	4322.1131
5/10/2019 20:04:14	R1904062-001	Be (313.107 nm)	5.52	0.0001 (ppm)	-184.5589
5/10/2019 20:04:14	R1904062-001	Ca (227.547 nm)	0.19	59.2291 o (ppm)	3385.8189
5/10/2019 20:04:14	R1904062-001	Cd (214.439 nm)	22.58	-0.0002 u (ppm)	4.7860
5/10/2019 20:04:14	R1904062-001	Co (230.786 nm)	17.82	0.0010 (ppm)	9.4341
5/10/2019 20:04:14	R1904062-001	Cr (267.716 nm)	3.10	0.0025 (ppm)	111.3567
5/10/2019 20:04:14	R1904062-001	Cu (327.395 nm)	9.30	0.0016 (ppm)	119.9165
5/10/2019 20:04:14	R1904062-001	Fe (234.350 nm)	0.23	3.0656 (ppm)	31734.5990

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:04:14	R1904062-001	K (766.491 nm)	0.28	3.1690 (ppm)	10493.1678
5/10/2019 20:04:14	R1904062-001	Mg (279.078 nm)	0.16	19.0810 (ppm)	40919.9663
5/10/2019 20:04:14	R1904062-001	Mn (257.610 nm)	0.24	0.4389 (ppm)	131727.9648
5/10/2019 20:04:14	R1904062-001	Mo (202.032 nm)	> 100.00	-0.0003 u (ppm)	0.1046
5/10/2019 20:04:14	R1904062-001	Na (588.995 nm)	0.96	20.8333 (ppm)	861003.6439
5/10/2019 20:04:14	R1904062-001	Ni (230.299 nm)	27.10	-0.0018 u (ppm)	-29.1922
5/10/2019 20:04:14	R1904062-001	Pb (220.353 nm)	> 100.00	0.0010 u (ppm)	3.2377
5/10/2019 20:04:14	R1904062-001	Sb (217.582 nm)	68.41	0.0043 (ppm)	1.6928
5/10/2019 20:04:14	R1904062-001	Se (196.026 nm)	> 100.00	0.0009 u (ppm)	-0.0078
5/10/2019 20:04:14	R1904062-001	Sn (189.925 nm)	> 100.00	0.0007 u (ppm)	-0.4342
5/10/2019 20:04:14	R1904062-001	Sr (216.596 nm)	6.27	0.1643 (ppm)	1582.8894
5/10/2019 20:04:14	R1904062-001	Ti (336.122 nm)	3.03	0.0226 (ppm)	5214.6573
5/10/2019 20:04:14	R1904062-001	Ti (351.923 nm)	32.88	0.0038 (ppm)	9.8664
5/10/2019 20:04:14	R1904062-001	V (292.401 nm)	7.92	0.0017 (ppm)	99.8497
5/10/2019 20:04:14	R1904062-001	Y (360.074 nm)	0.39	1.00 (Ratio)	1140370.88
5/10/2019 20:04:14	R1904062-001	Y_R (360.074 nm)	0.39	1.01 (Ratio)	1143271.06
5/10/2019 20:04:14	R1904062-001	Zn (213.857 nm)	1.27	0.0102 (ppm)	313.0754
5/10/2019 20:07:34	R1904082-001	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-65.3830
5/10/2019 20:07:34	R1904082-001	Al (394.401 nm)	8.76	0.0127 (ppm)	570.6813
5/10/2019 20:07:34	R1904082-001	As (188.980 nm)	> 100.00	-0.0013 u (ppm)	-0.6291
5/10/2019 20:07:34	R1904082-001	B (249.772 nm)	0.10	0.0657 (ppm)	2550.2386
5/10/2019 20:07:34	R1904082-001	Ba (230.424 nm)	9.68	0.0482 (ppm)	2203.0496
5/10/2019 20:07:34	R1904082-001	Ba (230.424 nm)	11.57	0.0000 u (ppm)	-299.6259
5/10/2019 20:07:34	R1904082-001	Ca (227.547 nm)	0.47	121.4535 o (ppm)	6941.4926
5/10/2019 20:07:34	R1904082-001	Cd (214.439 nm)	73.11	-0.0002 u (ppm)	4.8388
5/10/2019 20:07:34	R1904082-001	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	0.6401
5/10/2019 20:07:34	R1904082-001	Cr (267.716 nm)	26.17	0.0003 (ppm)	25.6954
5/10/2019 20:07:34	R1904082-001	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	22.8464
5/10/2019 20:07:34	R1904082-001	Fe (234.350 nm)	15.14	0.0037 (ppm)	111.4849
5/10/2019 20:07:34	R1904082-001	K (766.491 nm)	0.68	5.6636 (ppm)	18731.6683
5/10/2019 20:07:34	R1904082-001	Mg (279.078 nm)	0.15	63.6059 o (ppm)	136324.9918
5/10/2019 20:07:34	R1904082-001	Mn (257.610 nm)	0.24	0.0023 (ppm)	743.7432
5/10/2019 20:07:34	R1904082-001	Mo (202.032 nm)	6.08	0.0080 (ppm)	44.8327
5/10/2019 20:07:34	R1904082-001	Na (588.995 nm)	0.39	37.0304 (ppm)	1537488.1377
5/10/2019 20:07:34	R1904082-001	Ni (230.299 nm)	> 100.00	0.0004 u (ppm)	-8.2897
5/10/2019 20:07:34	R1904082-001	Pb (220.353 nm)	55.84	-0.0014 u (ppm)	-3.3897
5/10/2019 20:07:34	R1904082-001	Sb (217.582 nm)	54.17	-0.0014 u (ppm)	-4.4627
5/10/2019 20:07:34	R1904082-001	Se (196.026 nm)	> 100.00	-0.0012 u (ppm)	-0.9281
5/10/2019 20:07:34	R1904082-001	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.5985
5/10/2019 20:07:34	R1904082-001	Sr (216.596 nm)	0.72	3.1801 (ppm)	30657.6735
5/10/2019 20:07:34	R1904082-001	Ti (336.122 nm)	6.03	0.0010 (ppm)	140.6246
5/10/2019 20:07:34	R1904082-001	Ti (351.923 nm)	38.73	0.0083 (ppm)	22.2806
5/10/2019 20:07:34	R1904082-001	V (292.401 nm)	6.37	0.0016 (ppm)	96.5947
5/10/2019 20:07:34	R1904082-001	Y (360.074 nm)	0.38	0.98 (Ratio)	1118757.77
5/10/2019 20:07:34	R1904082-001	Y_R (360.074 nm)	0.37	0.99 (Ratio)	1121466.38
5/10/2019 20:07:34	R1904082-001	Zn (213.857 nm)	0.23	0.0163 (ppm)	506.0911
5/10/2019 20:10:53	R1904082-001S	Ag (328.068 nm)	0.22	0.0523 (ppm)	3312.0569
5/10/2019 20:10:53	R1904082-001S	Al (394.401 nm)	0.12	2.0170 (ppm)	32893.6320
5/10/2019 20:10:53	R1904082-001S	As (188.980 nm)	4.40	0.0392 (ppm)	23.8180
5/10/2019 20:10:53	R1904082-001S	B (249.772 nm)	0.24	1.1110 (ppm)	41514.0454
5/10/2019 20:10:53	R1904082-001S	Ba (230.424 nm)	1.00	2.1287 (ppm)	96351.1431

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:10:53	R1904082-001S	Be (313.107 nm)	0.31	0.0504 (ppm)	62971.8707
5/10/2019 20:10:53	R1904082-001S	Ca (227.547 nm)	0.12	124.8763 o (ppm)	7137.0810
5/10/2019 20:10:53	R1904082-001S	Cd (214.439 nm)	0.53	0.0497 (ppm)	991.7678
5/10/2019 20:10:53	R1904082-001S	Co (230.786 nm)	0.33	0.5036 (ppm)	5977.8739
5/10/2019 20:10:53	R1904082-001S	Cr (267.716 nm)	0.53	0.2049 (ppm)	8000.8389
5/10/2019 20:10:53	R1904082-001S	Cu (327.395 nm)	0.26	0.2441 (ppm)	14820.4263
5/10/2019 20:10:53	R1904082-001S	Fe (234.350 nm)	0.43	0.9931 (ppm)	10330.0312
5/10/2019 20:10:53	R1904082-001S	K (766.491 nm)	0.38	26.2478 (ppm)	86710.1531
5/10/2019 20:10:53	R1904082-001S	Mg (279.078 nm)	0.42	65.8588 o (ppm)	141152.3643
5/10/2019 20:10:53	R1904082-001S	Mn (257.610 nm)	0.37	0.5086 (ppm)	152631.7559
5/10/2019 20:10:53	R1904082-001S	Mo (202.032 nm)	0.57	0.5051 (ppm)	2713.1182
5/10/2019 20:10:53	R1904082-001S	Na (588.995 nm)	0.37	56.4212 o (ppm)	2347363.1953
5/10/2019 20:10:53	R1904082-001S	Ni (230.299 nm)	0.44	0.4931 (ppm)	4683.4493
5/10/2019 20:10:53	R1904082-001S	Pb (220.353 nm)	0.41	0.5076 (ppm)	1383.6988
5/10/2019 20:10:53	R1904082-001S	Sb (217.582 nm)	0.49	0.4969 (ppm)	531.9573
5/10/2019 20:10:53	R1904082-001S	Se (196.026 nm)	0.29	1.0833 (ppm)	475.8604
5/10/2019 20:10:53	R1904082-001S	Sn (189.925 nm)	0.68	5.1082 (ppm)	3497.6933
5/10/2019 20:10:53	R1904082-001S	Sr (216.596 nm)	0.79	5.2286 (ppm)	50406.8125
5/10/2019 20:10:53	R1904082-001S	Ti (336.122 nm)	0.37	0.5084 (ppm)	119471.3513
5/10/2019 20:10:53	R1904082-001S	Tl (351.923 nm)	0.17	2.0391 (ppm)	5714.2996
5/10/2019 20:10:53	R1904082-001S	V (292.401 nm)	0.40	0.5081 (ppm)	15321.4177
5/10/2019 20:10:53	R1904082-001S	Y (360.074 nm)	0.37	0.97 (Ratio)	1097230.28
5/10/2019 20:10:53	R1904082-001S	Y_R (360.074 nm)	0.37	0.97 (Ratio)	1099921.61
5/10/2019 20:10:53	R1904082-001S	Zn (213.857 nm)	0.40	0.5214 (ppm)	16413.8676
5/10/2019 20:14:13	R1904082-001SD	Ag (328.068 nm)	0.44	0.0522 (ppm)	3306.5637
5/10/2019 20:14:13	R1904082-001SD	Al (394.401 nm)	0.29	2.0084 (ppm)	32754.5345
5/10/2019 20:14:13	R1904082-001SD	As (188.980 nm)	9.82	0.0404 (ppm)	24.5040
5/10/2019 20:14:13	R1904082-001SD	B (249.772 nm)	0.09	1.1082 (ppm)	41411.8489
5/10/2019 20:14:13	R1904082-001SD	Ba (230.424 nm)	0.25	2.1111 (ppm)	95553.7440
5/10/2019 20:14:13	R1904082-001SD	Be (313.107 nm)	0.16	0.0502 (ppm)	62784.6520
5/10/2019 20:14:13	R1904082-001SD	Ca (227.547 nm)	0.20	123.9934 o (ppm)	7086.6300
5/10/2019 20:14:13	R1904082-001SD	Cd (214.439 nm)	0.12	0.0498 (ppm)	993.1967
5/10/2019 20:14:13	R1904082-001SD	Co (230.786 nm)	0.34	0.5033 (ppm)	5975.2676
5/10/2019 20:14:13	R1904082-001SD	Cr (267.716 nm)	0.16	0.2043 (ppm)	7977.7052
5/10/2019 20:14:13	R1904082-001SD	Cu (327.395 nm)	0.30	0.2432 (ppm)	14769.2922
5/10/2019 20:14:13	R1904082-001SD	Fe (234.350 nm)	0.25	0.9922 (ppm)	10320.0260
5/10/2019 20:14:13	R1904082-001SD	K (766.491 nm)	0.77	25.9687 (ppm)	85788.5968
5/10/2019 20:14:13	R1904082-001SD	Mg (279.078 nm)	0.21	65.5567 o (ppm)	140505.0497
5/10/2019 20:14:13	R1904082-001SD	Mn (257.610 nm)	0.02	0.5076 (ppm)	152342.2425
5/10/2019 20:14:13	R1904082-001SD	Mo (202.032 nm)	0.37	0.5073 (ppm)	2725.1375
5/10/2019 20:14:13	R1904082-001SD	Na (588.995 nm)	0.44	55.9006 o (ppm)	2325619.7885
5/10/2019 20:14:13	R1904082-001SD	Ni (230.299 nm)	0.11	0.4944 (ppm)	4695.1508
5/10/2019 20:14:13	R1904082-001SD	Pb (220.353 nm)	0.27	0.5089 (ppm)	1387.2187
5/10/2019 20:14:13	R1904082-001SD	Sb (217.582 nm)	0.30	0.4990 (ppm)	534.1765
5/10/2019 20:14:13	R1904082-001SD	Se (196.026 nm)	0.92	1.0906 o (ppm)	479.0883
5/10/2019 20:14:13	R1904082-001SD	Sn (189.925 nm)	0.37	5.1098 (ppm)	3498.8399
5/10/2019 20:14:13	R1904082-001SD	Sr (216.596 nm)	0.76	5.2237 (ppm)	50359.7527
5/10/2019 20:14:13	R1904082-001SD	Ti (336.122 nm)	0.31	0.5074 (ppm)	119243.8830
5/10/2019 20:14:13	R1904082-001SD	Tl (351.923 nm)	0.21	2.0335 (ppm)	5698.6062
5/10/2019 20:14:13	R1904082-001SD	V (292.401 nm)	0.06	0.5060 (ppm)	15257.6998
5/10/2019 20:14:13	R1904082-001SD	Y (360.074 nm)	0.01	0.96 (Ratio)	1094834.88

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:14:13	R1904082-001SD	Y_R (360.074 nm)	0.02	0.97 (Ratio)	1097654.66
5/10/2019 20:14:13	R1904082-001SD	Zn (213.857 nm)	0.22	0.5231 (ppm)	16469.1667
5/10/2019 20:17:32	R1904082-001A	Ag (328.068 nm)	0.34	0.0496 (ppm)	3139.1795
5/10/2019 20:17:32	R1904082-001A	Al (394.401 nm)	0.33	1.9080 (ppm)	31136.5951
5/10/2019 20:17:32	R1904082-001A	As (188.980 nm)	3.63	0.0377 (ppm)	22.9087
5/10/2019 20:17:32	R1904082-001A	B (249.772 nm)	0.28	1.0634 (ppm)	39740.0813
5/10/2019 20:17:32	R1904082-001A	Ba (230.424 nm)	0.13	2.0220 (ppm)	91525.1191
5/10/2019 20:17:32	R1904082-001A	Be (313.107 nm)	0.20	0.0476 (ppm)	59536.1380
5/10/2019 20:17:32	R1904082-001A	Ca (227.547 nm)	0.33	120.3577 u (ppm)	6878.8767
5/10/2019 20:17:32	R1904082-001A	Cd (214.439 nm)	0.76	0.0471 (ppm)	941.0062
5/10/2019 20:17:32	R1904082-001A	Co (230.786 nm)	0.27	0.4780 (ppm)	5673.7358
5/10/2019 20:17:32	R1904082-001A	Cr (267.716 nm)	0.33	0.1944 (ppm)	7592.5050
5/10/2019 20:17:32	R1904082-001A	Cu (327.395 nm)	0.30	0.2304 (ppm)	13993.2295
5/10/2019 20:17:32	R1904082-001A	Fe (234.350 nm)	0.33	0.9437 (ppm)	9819.9344
5/10/2019 20:17:32	R1904082-001A	K (766.491 nm)	0.30	24.7740 (ppm)	81843.2630
5/10/2019 20:17:32	R1904082-001A	Mg (279.078 nm)	0.28	63.6999 u (ppm)	136526.2382
5/10/2019 20:17:32	R1904082-001A	Mn (257.610 nm)	0.30	0.4821 (ppm)	144681.6822
5/10/2019 20:17:32	R1904082-001A	Mo (202.032 nm)	0.54	0.4770 (ppm)	2562.2976
5/10/2019 20:17:32	R1904082-001A	Na (588.995 nm)	0.74	54.0353 (ppm)	2247711.9223
5/10/2019 20:17:32	R1904082-001A	Ni (230.299 nm)	0.35	0.4691 (ppm)	4454.6692
5/10/2019 20:17:32	R1904082-001A	Pb (220.353 nm)	0.09	0.4817 (ppm)	1312.9032
5/10/2019 20:17:32	R1904082-001A	Sb (217.582 nm)	0.52	0.4688 (ppm)	501.7211
5/10/2019 20:17:32	R1904082-001A	Se (196.026 nm)	0.90	1.0783 (ppm)	473.6678
5/10/2019 20:17:32	R1904082-001A	Sn (189.925 nm)	0.27	4.9624 (ppm)	3397.8772
5/10/2019 20:17:32	R1904082-001A	Sr (216.596 nm)	0.72	5.1674 (ppm)	49816.9421
5/10/2019 20:17:32	R1904082-001A	Ti (336.122 nm)	0.26	0.4776 (ppm)	112234.6604
5/10/2019 20:17:32	R1904082-001A	Tl (351.923 nm)	0.39	1.9321 (ppm)	5414.4999
5/10/2019 20:17:32	R1904082-001A	V (292.401 nm)	0.21	0.4808 (ppm)	14498.7339
5/10/2019 20:17:32	R1904082-001A	Y (360.074 nm)	0.10	0.97 (Ratio)	1100524.17
5/10/2019 20:17:32	R1904082-001A	Y_R (360.074 nm)	0.09	0.97 (Ratio)	1103357.94
5/10/2019 20:17:32	R1904082-001A	Zn (213.857 nm)	0.51	0.4966 (ppm)	15632.2947
5/10/2019 20:20:51	R1904082-001L	Ag (328.068 nm)	76.74	-0.0002 u (ppm)	-68.8299
5/10/2019 20:20:51	R1904082-001L	Al (394.401 nm)	19.69	-0.0018 u (ppm)	337.4871
5/10/2019 20:20:51	R1904082-001L	As (188.980 nm)	94.51	-0.0010 u (ppm)	-0.4505
5/10/2019 20:20:51	R1904082-001L	B (249.772 nm)	1.58	0.0130 (ppm)	586.7576
5/10/2019 20:20:51	R1904082-001L	Ba (230.424 nm)	15.67	0.0238 (ppm)	1094.9599
5/10/2019 20:20:51	R1904082-001L	Be (313.107 nm)	34.45	0.0000 u (ppm)	-300.7254
5/10/2019 20:20:51	R1904082-001L	Ca (227.547 nm)	0.27	22.4560 (ppm)	1284.5015
5/10/2019 20:20:51	R1904082-001L	Cd (214.439 nm)	78.94	-0.0002 u (ppm)	5.3202
5/10/2019 20:20:51	R1904082-001L	Co (230.786 nm)	> 100.00	0.0001 u (ppm)	-1.5386
5/10/2019 20:20:51	R1904082-001L	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	12.4753
5/10/2019 20:20:51	R1904082-001L	Cu (327.395 nm)	19.57	-0.0003 u (ppm)	3.6294
5/10/2019 20:20:51	R1904082-001L	Fe (234.350 nm)	12.29	0.0023 (ppm)	96.4269
5/10/2019 20:20:51	R1904082-001L	K (766.491 nm)	1.52	1.0352 (ppm)	3446.2776
5/10/2019 20:20:51	R1904082-001L	Mg (279.078 nm)	0.45	12.0374 (ppm)	25827.4703
5/10/2019 20:20:51	R1904082-001L	Mn (257.610 nm)	2.55	0.0005 (ppm)	200.6606
5/10/2019 20:20:51	R1904082-001L	Mo (202.032 nm)	12.42	0.0028 (ppm)	17.0209
5/10/2019 20:20:51	R1904082-001L	Na (588.995 nm)	1.80	8.3394 (ppm)	339185.8892
5/10/2019 20:20:51	R1904082-001L	Ni (230.299 nm)	> 100.00	-0.0005 u (ppm)	-16.6906
5/10/2019 20:20:51	R1904082-001L	Pb (220.353 nm)	95.55	-0.0010 u (ppm)	-2.3177
5/10/2019 20:20:51	R1904082-001L	Sb (217.582 nm)	> 100.00	0.0007 u (ppm)	-2.1526

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:20:51	R1904082-001L	Se (196.026 nm)	> 100.00	-0.0007 u (ppm)	-0.7184
5/10/2019 20:20:51	R1904082-001L	Sn (189.925 nm)	> 100.00	0.0018 u (ppm)	0.3520
5/10/2019 20:20:51	R1904082-001L	Sr (216.596 nm)	1.25	0.6579 (ppm)	6341.6680
5/10/2019 20:20:51	R1904082-001L	Ti (336.122 nm)	17.61	0.0006 (ppm)	35.4860
5/10/2019 20:20:51	R1904082-001L	Tl (351.923 nm)	6.00	0.0037 (ppm)	9.5556
5/10/2019 20:20:51	R1904082-001L	V (292.401 nm)	> 100.00	0.0000 u (ppm)	49.4207
5/10/2019 20:20:51	R1904082-001L	Y (360.074 nm)	0.34	1.01 (Ratio)	1146514.42
5/10/2019 20:20:51	R1904082-001L	Y_R (360.074 nm)	0.34	1.01 (Ratio)	1149710.02
5/10/2019 20:20:51	R1904082-001L	Zn (213.857 nm)	1.72	0.0033 (ppm)	96.6845
5/10/2019 20:24:10	R1904082-008	Ag (328.068 nm)	6.56	-0.0001 u (ppm)	-66.4221
5/10/2019 20:24:10	R1904082-008	Al (394.401 nm)	10.94	0.0100 (ppm)	527.0155
5/10/2019 20:24:10	R1904082-008	As (188.980 nm)	68.49	-0.0029 u (ppm)	-1.6391
5/10/2019 20:24:10	R1904082-008	B (249.772 nm)	0.22	0.0626 (ppm)	2434.8123
5/10/2019 20:24:10	R1904082-008	Ba (230.424 nm)	6.17	0.0583 (ppm)	2656.0790
5/10/2019 20:24:10	R1904082-008	Be (313.107 nm)	3.59	0.0001 (ppm)	-204.6568
5/10/2019 20:24:10	R1904082-008	Ca (227.547 nm)	0.66	115.9429 o (ppm)	6626.6011
5/10/2019 20:24:10	R1904082-008	Cd (214.439 nm)	36.38	-0.0002 u (ppm)	4.1226
5/10/2019 20:24:10	R1904082-008	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-2.1366
5/10/2019 20:24:10	R1904082-008	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	14.2480
5/10/2019 20:24:10	R1904082-008	Cu (327.395 nm)	19.92	-0.0007 u (ppm)	-16.4797
5/10/2019 20:24:10	R1904082-008	Fe (234.350 nm)	13.54	-0.0020 u (ppm)	52.6619
5/10/2019 20:24:10	R1904082-008	K (766.491 nm)	0.80	4.0830 (ppm)	13511.7237
5/10/2019 20:24:10	R1904082-008	Mg (279.078 nm)	0.16	62.6063 o (ppm)	134182.9663
5/10/2019 20:24:10	R1904082-008	Mn (257.610 nm)	16.68	0.0001 (ppm)	76.8430
5/10/2019 20:24:10	R1904082-008	Mo (202.032 nm)	8.74	0.0076 (ppm)	42.6746
5/10/2019 20:24:10	R1904082-008	Na (588.995 nm)	0.58	39.2593 (ppm)	1630582.5338
5/10/2019 20:24:10	R1904082-008	Ni (230.299 nm)	2.66	-0.0129 u (ppm)	-135.2509
5/10/2019 20:24:10	R1904082-008	Pb (220.353 nm)	> 100.00	-0.0001 u (ppm)	0.0132
5/10/2019 20:24:10	R1904082-008	Sb (217.582 nm)	46.18	0.0017 (ppm)	-1.1501
5/10/2019 20:24:10	R1904082-008	Se (196.026 nm)	70.07	-0.0065 u (ppm)	-3.2717
5/10/2019 20:24:10	R1904082-008	Sn (189.925 nm)	> 100.00	0.0019 u (ppm)	0.4140
5/10/2019 20:24:10	R1904082-008	Sr (216.596 nm)	0.75	2.6436 (ppm)	25485.5912
5/10/2019 20:24:10	R1904082-008	Ti (336.122 nm)	3.60	0.0010 (ppm)	122.8677
5/10/2019 20:24:10	R1904082-008	Tl (351.923 nm)	> 100.00	0.0015 u (ppm)	3.2511
5/10/2019 20:24:10	R1904082-008	V (292.401 nm)	> 100.00	0.0000 u (ppm)	47.5213
5/10/2019 20:24:10	R1904082-008	Y (360.074 nm)	0.24	0.97 (Ratio)	1104206.59
5/10/2019 20:24:10	R1904082-008	Y_R (360.074 nm)	0.25	0.97 (Ratio)	1107138.48
5/10/2019 20:24:10	R1904082-008	Zn (213.857 nm)	17.01	0.0006 (ppm)	9.1107
5/10/2019 20:27:29	R1904082-013	Ag (328.068 nm)	44.50	-0.0002 u (ppm)	-71.7535
5/10/2019 20:27:29	R1904082-013	Al (394.401 nm)	10.72	0.0092 (ppm)	515.4306
5/10/2019 20:27:29	R1904082-013	As (188.980 nm)	> 100.00	-0.0008 u (ppm)	-0.3620
5/10/2019 20:27:29	R1904082-013	B (249.772 nm)	0.46	0.0485 (ppm)	1909.4773
5/10/2019 20:27:29	R1904082-013	Ba (230.424 nm)	7.07	0.0500 (ppm)	2282.3076
5/10/2019 20:27:29	R1904082-013	Be (313.107 nm)	89.29	0.0000 u (ppm)	-301.2291
5/10/2019 20:27:29	R1904082-013	Ca (227.547 nm)	0.54	113.2149 o (ppm)	6470.7148
5/10/2019 20:27:29	R1904082-013	Cd (214.439 nm)	78.29	-0.0003 u (ppm)	3.5810
5/10/2019 20:27:29	R1904082-013	Co (230.786 nm)	4.33	0.0018 (ppm)	19.5605
5/10/2019 20:27:29	R1904082-013	Cr (267.716 nm)	9.30	0.0006 (ppm)	35.1899
5/10/2019 20:27:29	R1904082-013	Cu (327.395 nm)	82.41	0.0001 (ppm)	29.4386
5/10/2019 20:27:29	R1904082-013	Fe (234.350 nm)	0.38	0.0330 (ppm)	413.2808
5/10/2019 20:27:29	R1904082-013	K (766.491 nm)	0.87	7.5538 (ppm)	24974.0455

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:27:29	R1904082-013	Mg (279.078 nm)	0.19	55.1231 o (ppm)	118148.6427
5/10/2019 20:27:29	R1904082-013	Mn (257.610 nm)	0.24	0.0319 (ppm)	9610.1929
5/10/2019 20:27:29	R1904082-013	Mo (202.032 nm)	2.43	0.0108 (ppm)	59.9837
5/10/2019 20:27:29	R1904082-013	Na (588.995 nm)	0.65	54.6724 (ppm)	2274323.9159
5/10/2019 20:27:29	R1904082-013	Ni (230.299 nm)	1.84	0.0503 (ppm)	466.4314
5/10/2019 20:27:29	R1904082-013	Pb (220.353 nm)	96.77	-0.0018 u (ppm)	-4.6114
5/10/2019 20:27:29	R1904082-013	Sb (217.582 nm)	> 100.00	0.0008 u (ppm)	-2.0333
5/10/2019 20:27:29	R1904082-013	Se (196.026 nm)	> 100.00	-0.0030 u (ppm)	-1.7227
5/10/2019 20:27:29	R1904082-013	Sn (189.925 nm)	> 100.00	-0.0014 u (ppm)	-1.8405
5/10/2019 20:27:29	R1904082-013	Sr (216.596 nm)	0.74	2.6562 (ppm)	25607.0727
5/10/2019 20:27:29	R1904082-013	Ti (336.122 nm)	1.92	0.0008 (ppm)	97.0677
5/10/2019 20:27:29	R1904082-013	Tl (351.923 nm)	37.06	0.0045 (ppm)	11.6103
5/10/2019 20:27:29	R1904082-013	V (292.401 nm)	35.76	0.0010 (ppm)	77.4723
5/10/2019 20:27:29	R1904082-013	Y (360.074 nm)	0.25	0.97 (Ratio)	1105087.71
5/10/2019 20:27:29	R1904082-013	Y_R (360.074 nm)	0.25	0.97 (Ratio)	1108122.12
5/10/2019 20:27:29	R1904082-013	Zn (213.857 nm)	0.70	0.0259 (ppm)	807.1942
5/10/2019 20:30:49	R1904082-018	Ag (328.068 nm)	36.92	-0.0002 u (ppm)	-72.1383
5/10/2019 20:30:49	R1904082-018	Al (394.401 nm)	2.35	0.0084 (ppm)	501.2772
5/10/2019 20:30:49	R1904082-018	As (188.980 nm)	76.21	0.0012 (ppm)	0.8578
5/10/2019 20:30:49	R1904082-018	B (249.772 nm)	0.18	0.0931 (ppm)	3571.8719
5/10/2019 20:30:49	R1904082-018	Ba (230.424 nm)	16.14	0.0239 (ppm)	1100.2239
5/10/2019 20:30:49	R1904082-018	Be (313.107 nm)	35.52	0.0000 (ppm)	-266.4236
5/10/2019 20:30:49	R1904082-018	Ca (227.547 nm)	0.29	122.8747 o (ppm)	7022.7007
5/10/2019 20:30:49	R1904082-018	Cd (214.439 nm)	13.73	-0.0003 u (ppm)	2.8454
5/10/2019 20:30:49	R1904082-018	Co (230.786 nm)	> 100.00	0.0002 u (ppm)	-0.0092
5/10/2019 20:30:49	R1904082-018	Cr (267.716 nm)	12.39	0.0009 (ppm)	49.5492
5/10/2019 20:30:49	R1904082-018	Cu (327.395 nm)	33.12	-0.0005 u (ppm)	-7.0322
5/10/2019 20:30:49	R1904082-018	Fe (234.350 nm)	63.37	0.0006 (ppm)	79.1813
5/10/2019 20:30:49	R1904082-018	K (766.491 nm)	0.48	5.0637 (ppm)	16750.4751
5/10/2019 20:30:49	R1904082-018	Mg (279.078 nm)	0.04	58.7008 o (ppm)	125814.6372
5/10/2019 20:30:49	R1904082-018	Mn (257.610 nm)	9.24	0.0001 (ppm)	82.0517
5/10/2019 20:30:49	R1904082-018	Mo (202.032 nm)	5.99	0.0080 (ppm)	44.8262
5/10/2019 20:30:49	R1904082-018	Na (588.995 nm)	0.52	49.6917 (ppm)	2066297.7321
5/10/2019 20:30:49	R1904082-018	Ni (230.299 nm)	3.63	-0.0369 u (ppm)	-363.7573
5/10/2019 20:30:49	R1904082-018	Pb (220.353 nm)	78.45	-0.0020 u (ppm)	-4.9324
5/10/2019 20:30:49	R1904082-018	Sb (217.582 nm)	> 100.00	0.0014 (ppm)	-1.4328
5/10/2019 20:30:49	R1904082-018	Se (196.026 nm)	> 100.00	0.0034 u (ppm)	1.0888
5/10/2019 20:30:49	R1904082-018	Sn (189.925 nm)	> 100.00	-0.0002 u (ppm)	-1.0098
5/10/2019 20:30:49	R1904082-018	Sr (216.596 nm)	0.58	3.3169 (ppm)	31976.3973
5/10/2019 20:30:49	R1904082-018	Ti (336.122 nm)	2.48	0.0010 (ppm)	121.6088
5/10/2019 20:30:49	R1904082-018	Tl (351.923 nm)	58.92	0.0060 (ppm)	15.8339
5/10/2019 20:30:49	R1904082-018	V (292.401 nm)	59.31	0.0005 (ppm)	64.5586
5/10/2019 20:30:49	R1904082-018	Y (360.074 nm)	0.26	0.98 (Ratio)	1109274.44
5/10/2019 20:30:49	R1904082-018	Y_R (360.074 nm)	0.26	0.98 (Ratio)	1112362.75
5/10/2019 20:30:49	R1904082-018	Zn (213.857 nm)	5.47	0.0012 (ppm)	28.1337
5/10/2019 20:34:09	Continuing Calibration Verification1	Ag (328.068 nm)	0.34	0.4969 (ppm)	31963.3207
5/10/2019 20:34:09	Continuing Calibration Verification1	Al (394.401 nm)	0.20	9.3194 (ppm)	150656.9738
5/10/2019 20:34:09	Continuing Calibration Verification1	As (188.980 nm)	0.70	0.9703 (ppm)	585.7226
5/10/2019 20:34:09	Continuing Calibration Verification1	B (249.772 nm)	0.39	2.3631 (ppm)	88189.1482
5/10/2019 20:34:09	Continuing Calibration Verification1	Ba (230.424 nm)	0.65	10.1782 (ppm)	460622.1323
5/10/2019 20:34:09	Continuing Calibration Verification1	Be (313.107 nm)	0.66	0.2474 (ppm)	310430.9076

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:34:09	Continuing Calibration Verification1	Ca (227.547 nm)	0.19	24.0318 (ppm)	1374.5503
5/10/2019 20:34:09	Continuing Calibration Verification1	Cd (214.439 nm)	0.61	0.4883 (ppm)	9665.3323
5/10/2019 20:34:09	Continuing Calibration Verification1	Co (230.786 nm)	0.25	2.5768 (ppm)	30598.6727
5/10/2019 20:34:09	Continuing Calibration Verification1	Cr (267.716 nm)	0.37	0.4998 (ppm)	19501.5615
5/10/2019 20:34:09	Continuing Calibration Verification1	Cu (327.395 nm)	0.26	1.1621 (ppm)	70468.2810
5/10/2019 20:34:09	Continuing Calibration Verification1	Fe (234.350 nm)	0.43	4.8070 (ppm)	49719.6871
5/10/2019 20:34:09	Continuing Calibration Verification1	K (766.491 nm)	0.26	23.5701 (ppm)	77867.1723
5/10/2019 20:34:09	Continuing Calibration Verification1	Mg (279.078 nm)	0.45	24.9659 (ppm)	53529.7901
5/10/2019 20:34:09	Continuing Calibration Verification1	Mn (257.610 nm)	0.46	0.7420 (ppm)	222660.7524
5/10/2019 20:34:09	Continuing Calibration Verification1	Mo (202.032 nm)	0.46	2.3889 (ppm)	12825.3388
5/10/2019 20:34:09	Continuing Calibration Verification1	Na (588.995 nm)	1.18	26.7157 (ppm)	1106689.3039
5/10/2019 20:34:09	Continuing Calibration Verification1	Ni (230.299 nm)	0.30	1.9858 (ppm)	18896.2287
5/10/2019 20:34:09	Continuing Calibration Verification1	Pb (220.353 nm)	0.59	0.4987 (ppm)	1359.3352
5/10/2019 20:34:09	Continuing Calibration Verification1	Sb (217.582 nm)	0.40	4.6971 (ppm)	5052.9203
5/10/2019 20:34:09	Continuing Calibration Verification1	Se (196.026 nm)	1.33	0.4740 (ppm)	208.0153
5/10/2019 20:34:09	Continuing Calibration Verification1	Sn (189.925 nm)	0.61	4.9090 (ppm)	3361.3074
5/10/2019 20:34:09	Continuing Calibration Verification1	Sr (216.596 nm)	1.29	2.6137 (ppm)	25197.5678
5/10/2019 20:34:09	Continuing Calibration Verification1	Ti (336.122 nm)	0.24	2.4543 (ppm)	577161.1377
5/10/2019 20:34:09	Continuing Calibration Verification1	Ti (351.923 nm)	0.63	0.9915 (ppm)	2778.1645
5/10/2019 20:34:09	Continuing Calibration Verification1	V (292.401 nm)	0.45	2.4957 (ppm)	75063.5094
5/10/2019 20:34:09	Continuing Calibration Verification1	Y (360.074 nm)	0.18	0.99 (Ratio)	1119813.80
5/10/2019 20:34:09	Continuing Calibration Verification1	Y_R (360.074 nm)	0.18	0.99 (Ratio)	1122955.90
5/10/2019 20:34:09	Continuing Calibration Verification1	Zn (213.857 nm)	0.39	0.9615 (ppm)	30276.0064
5/10/2019 20:37:28	Continuing Calibration Blank1	Ag (328.068 nm)	14.08	-0.0002 u (ppm)	-70.4226
5/10/2019 20:37:28	Continuing Calibration Blank1	Al (394.401 nm)	2.47	-0.0109 u (ppm)	191.0377
5/10/2019 20:37:28	Continuing Calibration Blank1	As (188.980 nm)	49.35	0.0023 (ppm)	1.5038
5/10/2019 20:37:28	Continuing Calibration Blank1	B (249.772 nm)	96.36	0.0001 u (ppm)	103.6503
5/10/2019 20:37:28	Continuing Calibration Blank1	Ba (230.424 nm)	26.74	0.0201 Z (ppm)	927.6495 Z
5/10/2019 20:37:28	Continuing Calibration Blank1	Be (313.107 nm)	28.90	0.0000 (ppm)	-267.5249
5/10/2019 20:37:28	Continuing Calibration Blank1	Ca (227.547 nm)	14.64	0.3877 (ppm)	23.4607
5/10/2019 20:37:28	Continuing Calibration Blank1	Cd (214.439 nm)	75.11	0.0000 (ppm)	9.6322
5/10/2019 20:37:28	Continuing Calibration Blank1	Co (230.786 nm)	80.16	0.0001 (ppm)	-0.5284
5/10/2019 20:37:28	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	10.4098
5/10/2019 20:37:28	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0000 u (ppm)	26.0508
5/10/2019 20:37:28	Continuing Calibration Blank1	Fe (234.350 nm)	18.23	-0.0026 u (ppm)	46.1587
5/10/2019 20:37:28	Continuing Calibration Blank1	K (766.491 nm)	52.51	0.0140 (ppm)	73.8863
5/10/2019 20:37:28	Continuing Calibration Blank1	Mg (279.078 nm)	24.10	0.0203 (ppm)	78.0274
5/10/2019 20:37:28	Continuing Calibration Blank1	Mn (257.610 nm)	7.16	0.0001 (ppm)	73.6605
5/10/2019 20:37:28	Continuing Calibration Blank1	Mo (202.032 nm)	17.61	0.0038 (ppm)	21.9123
5/10/2019 20:37:28	Continuing Calibration Blank1	Na (588.995 nm)	14.44	1.5876 Z (ppm)	57192.1333 Z
5/10/2019 20:37:28	Continuing Calibration Blank1	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.2869
5/10/2019 20:37:28	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	0.9673
5/10/2019 20:37:28	Continuing Calibration Blank1	Sb (217.582 nm)	35.87	0.0030 (ppm)	0.2816
5/10/2019 20:37:28	Continuing Calibration Blank1	Se (196.026 nm)	92.27	0.0018 (ppm)	0.3794
5/10/2019 20:37:28	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	0.0008 u (ppm)	-0.3355
5/10/2019 20:37:28	Continuing Calibration Blank1	Sr (216.596 nm)	18.86	0.0444 (ppm)	427.2154
5/10/2019 20:37:28	Continuing Calibration Blank1	Ti (336.122 nm)	21.06	0.0015 (ppm)	260.1296
5/10/2019 20:37:28	Continuing Calibration Blank1	Ti (351.923 nm)	> 100.00	0.0002 u (ppm)	-0.3304
5/10/2019 20:37:28	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0000 u (ppm)	47.0003
5/10/2019 20:37:28	Continuing Calibration Blank1	Y (360.074 nm)	0.30	1.03 (Ratio)	1168760.21
5/10/2019 20:37:28	Continuing Calibration Blank1	Y_R (360.074 nm)	0.31	1.03 (Ratio)	1172313.38

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:37:28	Continuing Calibration Blank1	Zn (213.857 nm)	78.52	0.0001 (ppm)	-4.2899
5/10/2019 20:40:46	R1904082-019	Ag (328.068 nm)	> 100.00	-0.0001 u (ppm)	-62.8010
5/10/2019 20:40:46	R1904082-019	Al (394.401 nm)	4.37	0.0087 (ppm)	506.7544
5/10/2019 20:40:46	R1904082-019	As (188.980 nm)	62.58	-0.0040 u (ppm)	-2.2714
5/10/2019 20:40:46	R1904082-019	B (249.772 nm)	0.67	0.0933 (ppm)	3577.1819
5/10/2019 20:40:46	R1904082-019	Ba (230.424 nm)	7.85	0.0214 (ppm) <i>repeat</i>	989.2067
5/10/2019 20:40:46	R1904082-019	Be (313.107 nm)	14.84	0.0000 (ppm)	-255.7734
5/10/2019 20:40:46	R1904082-019	Ca (227.547 nm)	0.35	122.2272 o (ppm)	6985.7015
5/10/2019 20:40:46	R1904082-019	Cd (214.439 nm)	52.88	-0.0002 u (ppm)	5.3843
5/10/2019 20:40:46	R1904082-019	Co (230.786 nm)	88.07	0.0003 (ppm)	1.0759
5/10/2019 20:40:46	R1904082-019	Cr (267.716 nm)	22.67	0.0011 (ppm)	55.5566
5/10/2019 20:40:46	R1904082-019	Cu (327.395 nm)	57.47	-0.0005 u (ppm)	-10.0414
5/10/2019 20:40:46	R1904082-019	Fe (234.350 nm)	> 100.00	-0.0002 u (ppm)	70.5845
5/10/2019 20:40:46	R1904082-019	K (766.491 nm)	0.45	5.0353 (ppm)	16656.6310
5/10/2019 20:40:46	R1904082-019	Mg (279.078 nm)	0.42	58.6797 o (ppm)	125769.4011
5/10/2019 20:40:46	R1904082-019	Mn (257.610 nm)	23.52	0.0001 (ppm)	83.8293
5/10/2019 20:40:46	R1904082-019	Mo (202.032 nm)	9.76	0.0084 (ppm)	47.0897
5/10/2019 20:40:46	R1904082-019	Na (588.995 nm)	0.30	49.2050 (ppm)	2045969.4195
5/10/2019 20:40:46	R1904082-019	Ni (230.299 nm)	1.94	-0.0357 u (ppm)	-351.8623
5/10/2019 20:40:46	R1904082-019	Pb (220.353 nm)	92.94	-0.0015 u (ppm)	-3.6253
5/10/2019 20:40:46	R1904082-019	Sb (217.582 nm)	> 100.00	-0.0004 u (ppm)	-3.3554
5/10/2019 20:40:46	R1904082-019	Se (196.026 nm)	> 100.00	-0.0003 u (ppm)	-0.5349
5/10/2019 20:40:46	R1904082-019	Sn (189.925 nm)	65.46	-0.0026 u (ppm)	-2.6643
5/10/2019 20:40:46	R1904082-019	Sr (216.596 nm)	0.74	3.3158 (ppm)	31966.2780
5/10/2019 20:40:46	R1904082-019	Ti (336.122 nm)	4.37	0.0012 (ppm)	184.4154
5/10/2019 20:40:46	R1904082-019	Tl (351.923 nm)	9.02	0.0038 (ppm)	9.7493
5/10/2019 20:40:46	R1904082-019	V (292.401 nm)	20.16	0.0007 (ppm)	67.9401
5/10/2019 20:40:46	R1904082-019	Y (360.074 nm)	0.63	0.99 (Ratio)	1121288.71
5/10/2019 20:40:46	R1904082-019	Y_R (360.074 nm)	0.63	0.99 (Ratio)	1124293.43
5/10/2019 20:40:46	R1904082-019	Zn (213.857 nm)	11.97	0.0011 (ppm)	24.6564
5/10/2019 20:44:05	R1904115-001	Ag (328.068 nm)	67.23	-0.0001 u (ppm)	-66.0188
5/10/2019 20:44:05	R1904115-001	Al (394.401 nm)	0.21	3.5428 (ppm)	57499.9196
5/10/2019 20:44:05	R1904115-001	As (188.980 nm)	> 100.00	-0.0023 u (ppm)	-1.2242
5/10/2019 20:44:05	R1904115-001	B (249.772 nm)	0.70	0.0221 (ppm)	923.3498
5/10/2019 20:44:05	R1904115-001	Ba (230.424 nm)	0.78	0.2613 (ppm) <i>OK</i>	11844.6531
5/10/2019 20:44:05	R1904115-001	Be (313.107 nm)	9.85	0.0001 (ppm)	-155.3402
5/10/2019 20:44:05	R1904115-001	Ca (227.547 nm)	0.32	189.3098 o (ppm)	10818.9888
5/10/2019 20:44:05	R1904115-001	Cd (214.439 nm)	51.19	0.0003 (ppm)	14.6445
5/10/2019 20:44:05	R1904115-001	Co (230.786 nm)	6.58	0.0059 (ppm)	67.7505
5/10/2019 20:44:05	R1904115-001	Cr (267.716 nm)	1.78	0.0044 (ppm)	186.1542
5/10/2019 20:44:05	R1904115-001	Cu (327.395 nm)	2.12	0.0060 (ppm)	389.6319
5/10/2019 20:44:05	R1904115-001	Fe (234.350 nm)	0.34	10.0568 (ppm)	103940.5389
5/10/2019 20:44:05	R1904115-001	K (766.491 nm)	0.12	1.7199 (ppm)	5707.4906
5/10/2019 20:44:05	R1904115-001	Mg (279.078 nm)	0.37	32.7761 (ppm)	70264.9634
5/10/2019 20:44:05	R1904115-001	Mn (257.610 nm)	0.20	1.3575 (ppm)	407310.0299
5/10/2019 20:44:05	R1904115-001	Mo (202.032 nm)	78.03	0.0006 (ppm)	4.8437
5/10/2019 20:44:05	R1904115-001	Na (588.995 nm)	0.16	51.3294 (ppm)	2134696.9340
5/10/2019 20:44:05	R1904115-001	Ni (230.299 nm)	7.26	-0.0080 u (ppm)	-88.2837
5/10/2019 20:44:05	R1904115-001	Pb (220.353 nm)	> 100.00	0.0002 u (ppm)	0.9844
5/10/2019 20:44:05	R1904115-001	Sb (217.582 nm)	86.90	0.0033 (ppm)	0.6560
5/10/2019 20:44:05	R1904115-001	Se (196.026 nm)	> 100.00	-0.0005 u (ppm)	-0.6277

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:44:05	R1904115-001	Sn (189.925 nm)	45.33	-0.0017 u (ppm)	-2.0623
5/10/2019 20:44:05	R1904115-001	Sr (216.596 nm)	0.36	0.6864 (ppm)	6616.0694
5/10/2019 20:44:05	R1904115-001	Ti (336.122 nm)	1.28	0.0822 (ppm)	19229.7008
5/10/2019 20:44:05	R1904115-001	Tl (351.923 nm)	48.48	0.0065 (ppm)	17.3842
5/10/2019 20:44:05	R1904115-001	V (292.401 nm)	2.73	0.0046 (ppm)	186.8702
5/10/2019 20:44:05	R1904115-001	Y (360.074 nm)	0.65	0.99 (Ratio)	1122914.49
5/10/2019 20:44:05	R1904115-001	Y_R (360.074 nm)	0.64	0.99 (Ratio)	1125960.42
5/10/2019 20:44:05	R1904115-001	Zn (213.857 nm)	1.31	0.0225 (ppm)	699.4305
5/10/2019 20:47:25	R1904115-003	Ag (328.068 nm)	30.05	-0.0003 u (ppm)	-75.6140
5/10/2019 20:47:25	R1904115-003	Al (394.401 nm)	0.48	4.4087 (ppm)	71464.1554
5/10/2019 20:47:25	R1904115-003	As (188.980 nm)	25.87	0.0075 (ppm)	4.6615
5/10/2019 20:47:25	R1904115-003	B (249.772 nm)	0.62	0.0197 (ppm)	836.8394
5/10/2019 20:47:25	R1904115-003	Ba (230.424 nm)	1.39	0.2575 (ppm) <i>OK</i>	11671.6521
5/10/2019 20:47:25	R1904115-003	Be (313.107 nm)	2.18	0.0003 (ppm)	122.2349
5/10/2019 20:47:25	R1904115-003	Ca (227.547 nm)	0.69	17.0585 (ppm)	976.0760
5/10/2019 20:47:25	R1904115-003	Cd (214.439 nm)	2.18	0.0028 (ppm)	64.5951
5/10/2019 20:47:25	R1904115-003	Co (230.786 nm)	3.88	0.0097 (ppm)	113.0098
5/10/2019 20:47:25	R1904115-003	Cr (267.716 nm)	2.42	0.0074 (ppm)	301.5411
5/10/2019 20:47:25	R1904115-003	Cu (327.395 nm)	0.53	0.0542 (ppm)	3311.4518
5/10/2019 20:47:25	R1904115-003	Fe (234.350 nm)	0.27	18.7652 u (ppm)	193881.8725
5/10/2019 20:47:25	R1904115-003	K (766.491 nm)	0.29	2.1037 (ppm)	6975.1894
5/10/2019 20:47:25	R1904115-003	Mg (279.078 nm)	0.09	6.0239 (ppm)	12942.1391
5/10/2019 20:47:25	R1904115-003	Mn (257.610 nm)	0.47	1.6221 (ppm)	486687.1707
5/10/2019 20:47:25	R1904115-003	Mo (202.032 nm)	27.35	0.0009 (ppm)	6.6207
5/10/2019 20:47:25	R1904115-003	Na (588.995 nm)	1.05	11.5077 (ppm)	471512.2675
5/10/2019 20:47:25	R1904115-003	Ni (230.299 nm)	47.78	-0.0004 u (ppm)	-15.4974
5/10/2019 20:47:25	R1904115-003	Pb (220.353 nm)	5.13	0.0187 (ppm)	51.4542
5/10/2019 20:47:25	R1904115-003	Sb (217.582 nm)	> 100.00	0.0026 u (ppm)	-0.1329
5/10/2019 20:47:25	R1904115-003	Se (196.026 nm)	> 100.00	0.0008 u (ppm)	-0.0602
5/10/2019 20:47:25	R1904115-003	Sn (189.925 nm)	> 100.00	0.0020 u (ppm)	0.4796
5/10/2019 20:47:25	R1904115-003	Sr (216.596 nm)	3.98	0.1146 (ppm)	1104.1380
5/10/2019 20:47:25	R1904115-003	Ti (336.122 nm)	0.71	0.0999 (ppm)	23398.5518
5/10/2019 20:47:25	R1904115-003	Tl (351.923 nm)	80.87	-0.0016 u (ppm)	-5.4658
5/10/2019 20:47:25	R1904115-003	V (292.401 nm)	1.09	0.0092 (ppm)	323.4166
5/10/2019 20:47:25	R1904115-003	Y (360.074 nm)	0.20	1.03 (Ratio)	1172947.58
5/10/2019 20:47:25	R1904115-003	Y_R (360.074 nm)	0.20	1.03 (Ratio)	1176454.00
5/10/2019 20:47:25	R1904115-003	Zn (213.857 nm)	0.27	0.0603 (ppm)	1891.4810
5/10/2019 20:50:46	R1904115-004	Ag (328.068 nm)	12.79	-0.0003 u (ppm)	-77.0008
5/10/2019 20:50:46	R1904115-004	Al (394.401 nm)	0.22	1.0011 (ppm)	16510.6808
5/10/2019 20:50:46	R1904115-004	As (188.980 nm)	> 100.00	-0.0017 u (ppm)	-0.9089
5/10/2019 20:50:46	R1904115-004	B (249.772 nm)	5.48	0.0023 (ppm)	185.0992
5/10/2019 20:50:46	R1904115-004	Ba (230.424 nm)	1.52	0.1564 (ppm) <i>repeat</i>	7097.4366
5/10/2019 20:50:46	R1904115-004	Be (313.107 nm)	13.88	0.0000 (ppm)	-259.1216
5/10/2019 20:50:46	R1904115-004	Ca (227.547 nm)	0.60	22.2479 (ppm)	1272.6123
5/10/2019 20:50:46	R1904115-004	Cd (214.439 nm)	92.42	-0.0002 u (ppm)	5.4731
5/10/2019 20:50:46	R1904115-004	Co (230.786 nm)	67.50	0.0007 (ppm)	6.5755
5/10/2019 20:50:46	R1904115-004	Cr (267.716 nm)	5.88	0.0015 (ppm)	73.0475
5/10/2019 20:50:46	R1904115-004	Cu (327.395 nm)	0.29	0.0113 (ppm)	709.8415
5/10/2019 20:50:46	R1904115-004	Fe (234.350 nm)	0.22	0.9160 (ppm)	9533.2257
5/10/2019 20:50:46	R1904115-004	K (766.491 nm)	0.43	0.8177 (ppm)	2728.0933
5/10/2019 20:50:46	R1904115-004	Mg (279.078 nm)	0.12	8.0899 (ppm)	17369.0417

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:50:46	R1904115-004	Mn (257.610 nm)	0.04	0.0193 (ppm)	5836.5673
5/10/2019 20:50:46	R1904115-004	Mo (202.032 nm)	> 100.00	-0.0001 u (ppm)	1.3617
5/10/2019 20:50:46	R1904115-004	Na (588.995 nm)	0.93	12.2215 (ppm)	501323.8153
5/10/2019 20:50:46	R1904115-004	Ni (230.299 nm)	6.55	-0.0102 u (ppm)	-109.5081
5/10/2019 20:50:46	R1904115-004	Pb (220.353 nm)	86.57	0.0008 (ppm)	2.6613
5/10/2019 20:50:46	R1904115-004	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	-2.6283
5/10/2019 20:50:46	R1904115-004	Se (196.026 nm)	> 100.00	0.0007 u (ppm)	-0.0824
5/10/2019 20:50:46	R1904115-004	Sn (189.925 nm)	> 100.00	-0.0012 u (ppm)	-1.7197
5/10/2019 20:50:46	R1904115-004	Sr (216.596 nm)	5.22	0.1169 (ppm)	1125.8860
5/10/2019 20:50:46	R1904115-004	Ti (336.122 nm)	1.02	0.0321 (ppm)	7456.2571
5/10/2019 20:50:46	R1904115-004	Tl (351.923 nm)	> 100.00	0.0001 u (ppm)	-0.6754
5/10/2019 20:50:46	R1904115-004	V (292.401 nm)	8.36	0.0008 (ppm)	72.0895
5/10/2019 20:50:46	R1904115-004	Y (360.074 nm)	0.48	1.03 (Ratio)	1167147.85
5/10/2019 20:50:46	R1904115-004	Y_R (360.074 nm)	0.47	1.03 (Ratio)	1170628.11
5/10/2019 20:50:46	R1904115-004	Zn (213.857 nm)	1.45	0.0179 (ppm)	553.9494
5/10/2019 20:54:05	R1904115-005	Ag (328.068 nm)	35.60	-0.0003 u (ppm)	-78.9607
5/10/2019 20:54:05	R1904115-005	Al (394.401 nm)	0.04	3.8246 (ppm)	62043.7057
5/10/2019 20:54:05	R1904115-005	As (188.980 nm)	> 100.00	0.0002 u (ppm)	0.2409
5/10/2019 20:54:05	R1904115-005	B (249.772 nm)	0.05	0.1613 (ppm)	6112.8768
5/10/2019 20:54:05	R1904115-005	Ba (230.424 nm)	1.05	3.3690 (ppm) <i>OL</i>	152480.4468
5/10/2019 20:54:05	R1904115-005	Be (313.107 nm)	7.17	0.0001 (ppm)	-140.2772
5/10/2019 20:54:05	R1904115-005	Ca (227.547 nm)	0.33	50.3371 (ppm)	2877.7082
5/10/2019 20:54:05	R1904115-005	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.4928
5/10/2019 20:54:05	R1904115-005	Co (230.786 nm)	15.75	0.0019 (ppm)	20.8851
5/10/2019 20:54:05	R1904115-005	Cr (267.716 nm)	2.94	0.0048 (ppm)	200.1830
5/10/2019 20:54:05	R1904115-005	Cu (327.395 nm)	2.95	0.0047 (ppm)	308.0784
5/10/2019 20:54:05	R1904115-005	Fe (234.350 nm)	0.10	4.9251 (ppm)	50939.6698
5/10/2019 20:54:05	R1904115-005	K (766.491 nm)	0.18	5.0909 (ppm)	16840.1273
5/10/2019 20:54:05	R1904115-005	Mg (279.078 nm)	0.07	22.5942 (ppm)	48447.9464
5/10/2019 20:54:05	R1904115-005	Mn (257.610 nm)	0.10	0.2230 (ppm)	66958.9836
5/10/2019 20:54:05	R1904115-005	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.7904
5/10/2019 20:54:05	R1904115-005	Na (588.995 nm)	0.33	89.4032 u (ppm)	3724881.3140
5/10/2019 20:54:05	R1904115-005	Ni (230.299 nm)	13.70	-0.0068 u (ppm)	-76.6803
5/10/2019 20:54:05	R1904115-005	Pb (220.353 nm)	95.93	0.0016 u (ppm)	4.8350
5/10/2019 20:54:05	R1904115-005	Sb (217.582 nm)	5.81	0.0027 (ppm)	-0.0585
5/10/2019 20:54:05	R1904115-005	Se (196.026 nm)	> 100.00	-0.0017 u (ppm)	-1.1391
5/10/2019 20:54:05	R1904115-005	Sn (189.925 nm)	53.96	-0.0015 u (ppm)	-1.9195
5/10/2019 20:54:05	R1904115-005	Sr (216.596 nm)	0.58	1.8052 (ppm)	17402.9417
5/10/2019 20:54:05	R1904115-005	Ti (336.122 nm)	1.73	0.0939 (ppm)	21990.5985
5/10/2019 20:54:05	R1904115-005	Tl (351.923 nm)	> 100.00	0.0009 u (ppm)	1.7417
5/10/2019 20:54:05	R1904115-005	V (292.401 nm)	0.38	0.0058 (ppm)	221.4370
5/10/2019 20:54:05	R1904115-005	Y (360.074 nm)	0.65	0.99 (Ratio)	1128441.84
5/10/2019 20:54:05	R1904115-005	Y_R (360.074 nm)	0.64	1.00 (Ratio)	1131723.17
5/10/2019 20:54:05	R1904115-005	Zn (213.857 nm)	0.36	0.0205 (ppm)	636.3502
5/10/2019 20:57:24	R1904115-006	Ag (328.068 nm)	92.55	-0.0001 u (ppm)	-66.4152
5/10/2019 20:57:24	R1904115-006	Al (394.401 nm)	0.12	0.3675 (ppm)	6293.6281
5/10/2019 20:57:24	R1904115-006	As (188.980 nm)	> 100.00	-0.0024 u (ppm)	-1.3070
5/10/2019 20:57:24	R1904115-006	B (249.772 nm)	0.40	0.0640 (ppm)	2486.1296
5/10/2019 20:57:24	R1904115-006	Ba (230.424 nm)	0.82	3.4899 (ppm) <i>OL</i>	157953.2360
5/10/2019 20:57:24	R1904115-006	Be (313.107 nm)	> 100.00	0.0000 u (ppm)	-281.7117
5/10/2019 20:57:24	R1904115-006	Ca (227.547 nm)	0.23	71.3992 u (ppm)	4081.2496

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 20:57:24	R1904115-006	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.8181
5/10/2019 20:57:24	R1904115-006	Co (230.786 nm)	> 100.00	0.0000 u (ppm)	-1.8668
5/10/2019 20:57:24	R1904115-006	Cr (267.716 nm)	15.64	0.0007 (ppm)	40.5841
5/10/2019 20:57:24	R1904115-006	Cu (327.395 nm)	5.32	0.0006 (ppm)	62.0881
5/10/2019 20:57:24	R1904115-006	Fe (234.350 nm)	0.03	1.8703 (ppm)	19389.8930
5/10/2019 20:57:24	R1904115-006	K (766.491 nm)	0.19	3.0543 (ppm)	10114.3501
5/10/2019 20:57:24	R1904115-006	Mg (279.078 nm)	0.02	27.0427 (ppm)	57979.7022
5/10/2019 20:57:24	R1904115-006	Mn (257.610 nm)	0.02	0.3204 (ppm)	96181.3418
5/10/2019 20:57:24	R1904115-006	Mo (202.032 nm)	> 100.00	0.0001 u (ppm)	2.5293
5/10/2019 20:57:24	R1904115-006	Na (588.995 nm)	0.34	20.6020 (ppm)	851344.2582
5/10/2019 20:57:24	R1904115-006	Ni (230.299 nm)	1.99	-0.0076 u (ppm)	-83.9518
5/10/2019 20:57:24	R1904115-006	Pb (220.353 nm)	> 100.00	0.0000 u (ppm)	0.4475
5/10/2019 20:57:24	R1904115-006	Sb (217.582 nm)	35.99	0.0044 (ppm)	1.8379
5/10/2019 20:57:24	R1904115-006	Se (196.026 nm)	33.14	-0.0069 u (ppm)	-3.4085
5/10/2019 20:57:24	R1904115-006	Sn (189.925 nm)	> 100.00	-0.0011 u (ppm)	-1.6123
5/10/2019 20:57:24	R1904115-006	Sr (216.596 nm)	0.89	1.5647 (ppm)	15083.9474
5/10/2019 20:57:24	R1904115-006	Ti (336.122 nm)	2.77	0.0065 (ppm)	1427.2594
5/10/2019 20:57:24	R1904115-006	Ti (351.923 nm)	> 100.00	0.0027 u (ppm)	6.5368
5/10/2019 20:57:24	R1904115-006	V (292.401 nm)	63.24	-0.0002 u (ppm)	43.3272
5/10/2019 20:57:24	R1904115-006	Y (360.074 nm)	0.48	1.00 (Ratio)	1139964.97
5/10/2019 20:57:24	R1904115-006	Y_R (360.074 nm)	0.48	1.01 (Ratio)	1143347.98
5/10/2019 20:57:24	R1904115-006	Zn (213.857 nm)	1.71	0.0091 (ppm)	278.9783
5/10/2019 21:00:43	Continuing Calibration Verification1	Ag (328.068 nm)	0.15	0.5002 (ppm)	32175.1932
5/10/2019 21:00:43	Continuing Calibration Verification1	Al (394.401 nm)	0.05	9.3731 (ppm)	151522.9237
5/10/2019 21:00:43	Continuing Calibration Verification1	As (188.980 nm)	0.32	0.9731 (ppm)	587.4118
5/10/2019 21:00:43	Continuing Calibration Verification1	B (249.772 nm)	0.16	2.3704 (ppm)	88459.3968
5/10/2019 21:00:43	Continuing Calibration Verification1	Ba (230.424 nm)	0.34	10.2042 (ppm)	461800.0326
5/10/2019 21:00:43	Continuing Calibration Verification1	Be (313.107 nm)	0.18	0.2480 (ppm)	311153.3417
5/10/2019 21:00:43	Continuing Calibration Verification1	Ca (227.547 nm)	0.60	24.2816 (ppm)	1388.8260
5/10/2019 21:00:43	Continuing Calibration Verification1	Cd (214.439 nm)	0.34	0.4896 (ppm)	9692.0858
5/10/2019 21:00:43	Continuing Calibration Verification1	Co (230.786 nm)	0.23	2.5882 (ppm)	30734.6321
5/10/2019 21:00:43	Continuing Calibration Verification1	Cr (267.716 nm)	0.30	0.5021 (ppm)	19591.8348
5/10/2019 21:00:43	Continuing Calibration Verification1	Cu (327.395 nm)	0.13	1.1690 (ppm)	70889.3218
5/10/2019 21:00:43	Continuing Calibration Verification1	Fe (234.350 nm)	0.30	4.8354 (ppm)	50013.0769
5/10/2019 21:00:43	Continuing Calibration Verification1	K (766.491 nm)	0.21	23.6139 (ppm)	78011.9353
5/10/2019 21:00:43	Continuing Calibration Verification1	Mg (279.078 nm)	0.26	25.1115 (ppm)	53841.8043
5/10/2019 21:00:43	Continuing Calibration Verification1	Mn (257.610 nm)	0.24	0.7461 (ppm)	223868.8837
5/10/2019 21:00:43	Continuing Calibration Verification1	Mo (202.032 nm)	0.39	2.3992 (ppm)	12880.8500
5/10/2019 21:00:43	Continuing Calibration Verification1	Na (588.995 nm)	0.70	26.6315 (ppm)	1103171.1065
5/10/2019 21:00:43	Continuing Calibration Verification1	Ni (230.299 nm)	0.28	1.9975 (ppm)	19007.1190
5/10/2019 21:00:43	Continuing Calibration Verification1	Pb (220.353 nm)	0.35	0.4988 (ppm)	1359.7343
5/10/2019 21:00:43	Continuing Calibration Verification1	Sb (217.582 nm)	0.21	4.7109 (ppm)	5067.7464
5/10/2019 21:00:43	Continuing Calibration Verification1	Se (196.026 nm)	1.32	0.4801 (ppm)	210.6825
5/10/2019 21:00:43	Continuing Calibration Verification1	Sn (189.925 nm)	0.22	4.9444 (ppm)	3385.5579
5/10/2019 21:00:43	Continuing Calibration Verification1	Sr (216.596 nm)	1.08	2.6335 (ppm)	25387.8319
5/10/2019 21:00:43	Continuing Calibration Verification1	Ti (336.122 nm)	0.27	2.4709 (ppm)	581047.6557
5/10/2019 21:00:43	Continuing Calibration Verification1	Ti (351.923 nm)	0.32	0.9937 (ppm)	2784.1516
5/10/2019 21:00:43	Continuing Calibration Verification1	V (292.401 nm)	0.18	2.5096 (ppm)	75481.5147
5/10/2019 21:00:43	Continuing Calibration Verification1	Y (360.074 nm)	0.45	0.98 (Ratio)	1117088.18
5/10/2019 21:00:43	Continuing Calibration Verification1	Y_R (360.074 nm)	0.45	0.99 (Ratio)	1120413.04
5/10/2019 21:00:43	Continuing Calibration Verification1	Zn (213.857 nm)	0.15	0.9654 (ppm)	30398.7780

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:04:02	Continuing Calibration Blank1	Ag (328.068 nm)	73.82	-0.0002 u (ppm)	-71.1652
5/10/2019 21:04:02	Continuing Calibration Blank1	Al (394.401 nm)	2.72	-0.0099 u (ppm)	206.5918
5/10/2019 21:04:02	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-0.1523
5/10/2019 21:04:02	Continuing Calibration Blank1	B (249.772 nm)	> 100.00	0.0001 u (ppm)	103.4248
5/10/2019 21:04:02	Continuing Calibration Blank1	Ba (230.424 nm)	26.82	0.0224 Z (ppm)	1035.3332 Z
5/10/2019 21:04:02	Continuing Calibration Blank1	Be (313.107 nm)	6.32	0.0000 (ppm)	-244.2436
5/10/2019 21:04:02	Continuing Calibration Blank1	Ce (227.547 nm)	20.06	0.3904 (ppm)	23.6161
5/10/2019 21:04:02	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.1731
5/10/2019 21:04:02	Continuing Calibration Blank1	Co (230.786 nm)	13.01	0.0007 (ppm)	6.2735
5/10/2019 21:04:02	Continuing Calibration Blank1	Cr (267.716 nm)	97.57	-0.0001 u (ppm)	10.7644
5/10/2019 21:04:02	Continuing Calibration Blank1	Cu (327.395 nm)	28.27	0.0002 (ppm)	35.9594
5/10/2019 21:04:02	Continuing Calibration Blank1	Fe (234.350 nm)	60.56	-0.0015 u (ppm)	57.5295
5/10/2019 21:04:02	Continuing Calibration Blank1	K (766.491 nm)	60.80	0.0085 (ppm)	55.6990
5/10/2019 21:04:02	Continuing Calibration Blank1	Mg (279.078 nm)	32.39	0.0256 (ppm)	89.4038
5/10/2019 21:04:02	Continuing Calibration Blank1	Mn (257.610 nm)	8.74	0.0002 (ppm)	101.3431
5/10/2019 21:04:02	Continuing Calibration Blank1	Mo (202.032 nm)	18.07	0.0040 (ppm)	23.3322
5/10/2019 21:04:02	Continuing Calibration Blank1	Na (588.995 nm)	17.73	1.3677 Z (ppm)	48006.8492 Z
5/10/2019 21:04:02	Continuing Calibration Blank1	Ni (230.299 nm)	70.06	0.0008 (ppm)	-4.2239
5/10/2019 21:04:02	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0005 u (ppm)	1.6522
5/10/2019 21:04:02	Continuing Calibration Blank1	Sb (217.582 nm)	51.46	0.0036 (ppm)	0.8924
5/10/2019 21:04:02	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0027 (ppm)	0.7724
5/10/2019 21:04:02	Continuing Calibration Blank1	Sn (189.925 nm)	54.13	0.0014 (ppm)	0.0714
5/10/2019 21:04:02	Continuing Calibration Blank1	Sr (216.596 nm)	20.20	0.0480 (ppm)	462.0513
5/10/2019 21:04:02	Continuing Calibration Blank1	Ti (336.122 nm)	20.05	0.0017 (ppm)	300.8427
5/10/2019 21:04:02	Continuing Calibration Blank1	Tl (351.923 nm)	48.89	0.0023 (ppm)	5.4706
5/10/2019 21:04:02	Continuing Calibration Blank1	V (292.401 nm)	60.98	0.0003 (ppm)	56.0286
5/10/2019 21:04:02	Continuing Calibration Blank1	Y (360.074 nm)	0.42	1.03 (Ratio)	1172770.93
5/10/2019 21:04:02	Continuing Calibration Blank1	Y_R (360.074 nm)	0.43	1.03 (Ratio)	1176518.19
5/10/2019 21:04:02	Continuing Calibration Blank1	Zn (213.857 nm)	54.14	0.0002 (ppm)	-1.7636
5/10/2019 21:07:22	Contract Required Detection Limit	Ag (328.068 nm)	0.63	0.0098 (ppm)	572.2782
5/10/2019 21:07:22	Contract Required Detection Limit	Al (394.401 nm)	0.37	0.1686 (ppm)	3086.0628
5/10/2019 21:07:22	Contract Required Detection Limit	As (188.980 nm)	7.66	0.0194 (ppm)	11.8596
5/10/2019 21:07:22	Contract Required Detection Limit	B (249.772 nm)	0.10	0.1768 (ppm)	6690.0523
5/10/2019 21:07:22	Contract Required Detection Limit	Ba (230.424 nm)	2.23	0.2257 (ppm)	10233.4276
5/10/2019 21:07:22	Contract Required Detection Limit	Be (313.107 nm)	0.17	0.0048 (ppm)	5711.6516
5/10/2019 21:07:22	Contract Required Detection Limit	Ca (227.547 nm)	5.77	1.2656 R (ppm)	73.6284 R
5/10/2019 21:07:22	Contract Required Detection Limit	Cd (214.439 nm)	1.51	0.0097 (ppm)	200.0829
5/10/2019 21:07:22	Contract Required Detection Limit	Co (230.786 nm)	0.59	0.0511 (ppm)	604.8769
5/10/2019 21:07:22	Contract Required Detection Limit	Cr (267.716 nm)	0.22	0.0099 (ppm)	399.5291
5/10/2019 21:07:22	Contract Required Detection Limit	Cu (327.395 nm)	0.70	0.0236 (ppm)	1451.0435
5/10/2019 21:07:22	Contract Required Detection Limit	Fe (234.350 nm)	0.25	0.1017 (ppm)	1123.4630
5/10/2019 21:07:22	Contract Required Detection Limit	K (766.491 nm)	0.58	0.8549 (ppm)	2851.1209
5/10/2019 21:07:22	Contract Required Detection Limit	Mg (279.078 nm)	0.97	0.9940 (ppm)	2164.4428
5/10/2019 21:07:22	Contract Required Detection Limit	Mn (257.610 nm)	0.41	0.0155 (ppm)	4695.9380
5/10/2019 21:07:22	Contract Required Detection Limit	Mo (202.032 nm)	1.32	0.0253 (ppm)	137.5539
5/10/2019 21:07:22	Contract Required Detection Limit	Na (588.995 nm)	10.48	2.0687 R (ppm)	77284.4462 R
5/10/2019 21:07:22	Contract Required Detection Limit	Ni (230.299 nm)	1.48	0.0413 (ppm)	380.7552
5/10/2019 21:07:22	Contract Required Detection Limit	Pb (220.353 nm)	2.45	0.0100 (ppm)	27.7086
5/10/2019 21:07:22	Contract Required Detection Limit	Sb (217.582 nm)	3.31	0.0582 (ppm)	59.7197
5/10/2019 21:07:22	Contract Required Detection Limit	Se (196.026 nm)	50.83	0.0095 (ppm)	3.7900
5/10/2019 21:07:22	Contract Required Detection Limit	Sn (189.925 nm)	1.12	0.4897 (ppm)	334.4891

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:07:22	Contract Required Detection Limit	Sr (216.596 nm)	7.07	0.1385 R (ppm) <i>69 ↓</i>	1334.4878 R
5/10/2019 21:07:22	Contract Required Detection Limit	Ti (336.122 nm)	0.22	0.0497 (ppm)	11596.5661
5/10/2019 21:07:22	Contract Required Detection Limit	Ti (351.923 nm)	11.34	0.0149 R (ppm) <i>741</i>	40.9486 R
5/10/2019 21:07:22	Contract Required Detection Limit	V (292.401 nm)	0.08	0.0491 (ppm)	1524.8451
5/10/2019 21:07:22	Contract Required Detection Limit	Y (360.074 nm)	0.36	1.03 (Ratio)	1169299.27
5/10/2019 21:07:22	Contract Required Detection Limit	Y_R (360.074 nm)	0.37	1.03 (Ratio)	1173190.41
5/10/2019 21:07:22	Contract Required Detection Limit	Zn (213.857 nm)	0.90	0.0192 (ppm)	597.3219
5/10/2019 21:10:41	Interference Check Solution A	Ag (328.068 nm)	35.93	-0.0002 u (ppm)	-69.6759
5/10/2019 21:10:41	Interference Check Solution A	Al (394.401 nm)	0.00	254.1314 o (ppm)	4098653.6572
5/10/2019 21:10:41	Interference Check Solution A	As (188.980 nm)	52.56	-0.0025 u (ppm)	-1.3461
5/10/2019 21:10:41	Interference Check Solution A	B (249.772 nm)	0.52	0.0475 (ppm)	1873.3020
5/10/2019 21:10:41	Interference Check Solution A	Ba (230.424 nm)	20.01	0.0201 (ppm)	930.5135
5/10/2019 21:10:41	Interference Check Solution A	Be (313.107 nm)	11.96	0.0000 u (ppm)	-337.3613
5/10/2019 21:10:41	Interference Check Solution A	Ca (227.547 nm)	0.05	252.9939 o (ppm)	14458.0717
5/10/2019 21:10:41	Interference Check Solution A	Cd (214.439 nm)	87.97	-0.0003 u (ppm)	1.7673
5/10/2019 21:10:41	Interference Check Solution A	Co (230.786 nm)	5.81	-0.0026 u (ppm)	-32.9993
5/10/2019 21:10:41	Interference Check Solution A	Cr (267.716 nm)	32.93	0.0005 (ppm)	31.1377
5/10/2019 21:10:41	Interference Check Solution A	Cu (327.395 nm)	22.34	-0.0004 u (ppm)	-3.0392
5/10/2019 21:10:41	Interference Check Solution A	Fe (234.350 nm)	0.33	88.8834 o (ppm)	918071.0810
5/10/2019 21:10:41	Interference Check Solution A	K (766.491 nm)	> 100.00	-0.0036 u (ppm)	15.7633
5/10/2019 21:10:41	Interference Check Solution A	Mg (279.078 nm)	0.30	257.2821 o (ppm)	551321.0498
5/10/2019 21:10:41	Interference Check Solution A	Mn (257.610 nm)	1.71	0.0019 (ppm)	611.7462
5/10/2019 21:10:41	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.8617
5/10/2019 21:10:41	Interference Check Solution A	Na (588.995 nm)	16.14	1.4144 (ppm)	49955.9365
5/10/2019 21:10:41	Interference Check Solution A	Ni (230.299 nm)	26.38	-0.0010 u (ppm)	-22.0337
5/10/2019 21:10:41	Interference Check Solution A	Pb (220.353 nm)	26.80	-0.0027 u (ppm)	-6.8218
5/10/2019 21:10:41	Interference Check Solution A	Sb (217.582 nm)	> 100.00	-0.0025 u (ppm)	-5.6155
5/10/2019 21:10:41	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0055 u (ppm)	-2.8319
5/10/2019 21:10:41	Interference Check Solution A	Sn (189.925 nm)	> 100.00	-0.0007 u (ppm)	-1.3353
5/10/2019 21:10:41	Interference Check Solution A	Sr (216.596 nm)	15.24	0.0603 (ppm)	580.4454
5/10/2019 21:10:41	Interference Check Solution A	Ti (336.122 nm)	2.25	0.0017 (ppm)	286.2732
5/10/2019 21:10:41	Interference Check Solution A	Ti (351.923 nm)	62.99	0.0014 (ppm)	2.8725
5/10/2019 21:10:41	Interference Check Solution A	V (292.401 nm)	5.59	0.0009 (ppm)	75.0481
5/10/2019 21:10:41	Interference Check Solution A	Y (360.074 nm)	0.41	0.91 (Ratio)	1039244.91
5/10/2019 21:10:41	Interference Check Solution A	Y_R (360.074 nm)	0.42	0.92 (Ratio)	1042376.44
5/10/2019 21:10:41	Interference Check Solution A	Zn (213.857 nm)	1.28	0.0113 K (ppm)	348.8584 K
5/10/2019 21:14:01	Interference Check Solution AB	Ag (328.068 nm)	0.30	0.2105 (ppm)	13504.7684
5/10/2019 21:14:01	Interference Check Solution AB	Al (394.401 nm)	0.06	253.4420 o (ppm)	4087536.2305
5/10/2019 21:14:01	Interference Check Solution AB	As (188.980 nm)	3.06	0.0943 (ppm)	57.0335
5/10/2019 21:14:01	Interference Check Solution AB	B (249.772 nm)	1.03	0.0462 (ppm)	1824.5367
5/10/2019 21:14:01	Interference Check Solution AB	Ba (230.424 nm)	0.87	0.5237 (ppm)	23718.5487
5/10/2019 21:14:01	Interference Check Solution AB	Be (313.107 nm)	0.07	0.4798 (ppm)	602430.2306
5/10/2019 21:14:01	Interference Check Solution AB	Ca (227.547 nm)	0.06	251.9601 o (ppm)	14398.9951
5/10/2019 21:14:01	Interference Check Solution AB	Cd (214.439 nm)	0.42	0.9322 (ppm)	18445.6795
5/10/2019 21:14:01	Interference Check Solution AB	Co (230.786 nm)	0.47	0.4722 (ppm)	5605.9338
5/10/2019 21:14:01	Interference Check Solution AB	Cr (267.716 nm)	0.26	0.4857 (ppm)	18949.9164
5/10/2019 21:14:01	Interference Check Solution AB	Cu (327.395 nm)	0.24	0.4888 (ppm)	29656.4538
5/10/2019 21:14:01	Interference Check Solution AB	Fe (234.350 nm)	0.61	88.7506 o (ppm)	916700.3649
5/10/2019 21:14:01	Interference Check Solution AB	K (766.491 nm)	> 100.00	-0.0048 u (ppm)	11.6717
5/10/2019 21:14:01	Interference Check Solution AB	Mg (279.078 nm)	0.46	257.1087 o (ppm)	550949.4797
5/10/2019 21:14:01	Interference Check Solution AB	Mn (257.610 nm)	0.21	0.4817 (ppm)	144562.9080

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:14:01	Interference Check Solution AB	Mo (202.032 nm)	7.26	0.0016 (ppm)	10.4872
5/10/2019 21:14:01	Interference Check Solution AB	Na (588.995 nm)	12.12	1.1661 (ppm)	39588.0288
5/10/2019 21:14:01	Interference Check Solution AB	Ni (230.299 nm)	0.43	0.9286 (ppm)	8829.5830
5/10/2019 21:14:01	Interference Check Solution AB	Pb (220.353 nm)	1.65	0.0455 (ppm)	124.3210
5/10/2019 21:14:01	Interference Check Solution AB	Sb (217.582 nm)	1.04	0.5790 (ppm)	620.2648
5/10/2019 21:14:01	Interference Check Solution AB	Se (196.026 nm)	9.06	0.0468 (ppm)	20.1651
5/10/2019 21:14:01	Interference Check Solution AB	Sn (189.925 nm)	> 100.00	-0.0017 u (ppm)	-2.0787
5/10/2019 21:14:01	Interference Check Solution AB	Sr (216.596 nm)	8.76	0.0518 (ppm)	497.9548
5/10/2019 21:14:01	Interference Check Solution AB	Ti (336.122 nm)	1.29	0.0016 (ppm)	272.9512
5/10/2019 21:14:01	Interference Check Solution AB	Ti (351.923 nm)	1.42	0.1079 (ppm)	301.4925
5/10/2019 21:14:01	Interference Check Solution AB	V (292.401 nm)	0.34	0.4904 (ppm)	14789.2159
5/10/2019 21:14:01	Interference Check Solution AB	Y (360.074 nm)	0.27	0.92 (Ratio)	1043686.10
5/10/2019 21:14:01	Interference Check Solution AB	Y_R (360.074 nm)	0.27	0.92 (Ratio)	1046838.71
5/10/2019 21:14:01	Interference Check Solution AB	Zn (213.857 nm)	0.39	0.9769 (ppm)	30761.3368
5/10/2019 21:17:20	Continuing Calibration Verification1	Ag (328.068 nm)	0.26	0.4992 (ppm)	32114.4707
5/10/2019 21:17:20	Continuing Calibration Verification1	Al (394.401 nm)	0.13	9.3560 (ppm)	151247.4564
5/10/2019 21:17:20	Continuing Calibration Verification1	As (188.980 nm)	0.54	0.9639 (ppm)	581.9099
5/10/2019 21:17:20	Continuing Calibration Verification1	B (249.772 nm)	0.27	2.3373 (ppm)	87227.6076
5/10/2019 21:17:20	Continuing Calibration Verification1	Ba (230.424 nm)	0.48	10.1431 (ppm)	459033.9590
5/10/2019 21:17:20	Continuing Calibration Verification1	Be (313.107 nm)	0.25	0.2475 (ppm)	310545.8768
5/10/2019 21:17:20	Continuing Calibration Verification1	Ca (227.547 nm)	0.35	23.6795 (ppm)	1354.4203
5/10/2019 21:17:20	Continuing Calibration Verification1	Cd (214.439 nm)	0.31	0.4863 (ppm)	9626.8887
5/10/2019 21:17:20	Continuing Calibration Verification1	Co (230.786 nm)	0.30	2.5687 (ppm)	30502.7280
5/10/2019 21:17:20	Continuing Calibration Verification1	Cr (267.716 nm)	0.35	0.4982 (ppm)	19437.5368
5/10/2019 21:17:20	Continuing Calibration Verification1	Cu (327.395 nm)	0.14	1.1596 (ppm)	70322.3458
5/10/2019 21:17:20	Continuing Calibration Verification1	Fe (234.350 nm)	0.28	4.8270 (ppm)	49926.3878
5/10/2019 21:17:20	Continuing Calibration Verification1	K (766.491 nm)	0.07	23.3820 (ppm)	77246.0514
5/10/2019 21:17:20	Continuing Calibration Verification1	Mg (279.078 nm)	0.30	24.9548 (ppm)	53505.9794
5/10/2019 21:17:20	Continuing Calibration Verification1	Mn (257.610 nm)	0.20	0.7376 (ppm)	221328.2206
5/10/2019 21:17:20	Continuing Calibration Verification1	Mo (202.032 nm)	0.51	2.3838 (ppm)	12798.0586
5/10/2019 21:17:20	Continuing Calibration Verification1	Na (588.995 nm)	0.35	24.8883 (ppm)	1030364.8835
5/10/2019 21:17:20	Continuing Calibration Verification1	Ni (230.299 nm)	0.11	1.9835 (ppm)	18874.4699
5/10/2019 21:17:20	Continuing Calibration Verification1	Pb (220.353 nm)	0.30	0.4981 (ppm)	1357.6610
5/10/2019 21:17:20	Continuing Calibration Verification1	Sb (217.582 nm)	0.21	4.6821 (ppm)	5036.7858
5/10/2019 21:17:20	Continuing Calibration Verification1	Se (196.026 nm)	1.04	0.4772 (ppm)	209.4103
5/10/2019 21:17:20	Continuing Calibration Verification1	Sn (189.925 nm)	0.39	4.9306 (ppm)	3376.0699
5/10/2019 21:17:20	Continuing Calibration Verification1	Sr (216.596 nm)	0.33	2.5601 (ppm)	24680.3848
5/10/2019 21:17:20	Continuing Calibration Verification1	Ti (336.122 nm)	0.22	2.4585 (ppm)	578140.4199
5/10/2019 21:17:20	Continuing Calibration Verification1	Ti (351.923 nm)	0.15	0.9886 (ppm)	2769.9085
5/10/2019 21:17:20	Continuing Calibration Verification1	V (292.401 nm)	0.19	2.4957 (ppm)	75064.8653
5/10/2019 21:17:20	Continuing Calibration Verification1	Y (360.074 nm)	0.39	0.99 (Ratio)	1130560.78
5/10/2019 21:17:20	Continuing Calibration Verification1	Y_R (360.074 nm)	0.40	1.00 (Ratio)	1134267.83
5/10/2019 21:17:20	Continuing Calibration Verification1	Zn (213.857 nm)	0.22	0.9598 (ppm)	30222.1510
5/10/2019 21:20:39	Continuing Calibration Blank1	Ag (328.068 nm)	43.35	-0.0003 u (ppm)	-76.5887
5/10/2019 21:20:39	Continuing Calibration Blank1	Al (394.401 nm)	> 100.00	0.0032 u (ppm)	417.4235
5/10/2019 21:20:39	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.5677
5/10/2019 21:20:39	Continuing Calibration Blank1	B (249.772 nm)	44.48	-0.0002 u (ppm)	91.6510
5/10/2019 21:20:39	Continuing Calibration Blank1	Ba (230.424 nm)	25.20	0.0077 (ppm)	368.3729
5/10/2019 21:20:39	Continuing Calibration Blank1	Be (313.107 nm)	14.60	0.0000 (ppm)	-226.6176
5/10/2019 21:20:39	Continuing Calibration Blank1	Ca (227.547 nm)	18.21	0.2000 (ppm)	12.7356
5/10/2019 21:20:39	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 (ppm)	9.1058

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:20:39	Continuing Calibration Blank1	Co (230.786 nm)	22.77	0.0004 (ppm)	1.9901
5/10/2019 21:20:39	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	13.7080
5/10/2019 21:20:39	Continuing Calibration Blank1	Cu (327.395 nm)	48.37	0.0001 (ppm)	29.3506
5/10/2019 21:20:39	Continuing Calibration Blank1	Fe (234.350 nm)	23.86	0.0050 (ppm)	124.8406
5/10/2019 21:20:39	Continuing Calibration Blank1	K (766.491 nm)	95.84	-0.0091 u (ppm)	-2.3113
5/10/2019 21:20:39	Continuing Calibration Blank1	Mg (279.078 nm)	45.44	0.0169 (ppm)	70.7633
5/10/2019 21:20:39	Continuing Calibration Blank1	Mn (257.610 nm)	21.33	0.0001 (ppm)	83.0823
5/10/2019 21:20:39	Continuing Calibration Blank1	Mo (202.032 nm)	11.00	0.0038 (ppm)	22.3809
5/10/2019 21:20:39	Continuing Calibration Blank1	Na (588.995 nm)	18.33	0.4345 (ppm)	9030.2391
5/10/2019 21:20:39	Continuing Calibration Blank1	Ni (230.299 nm)	> 100.00	0.0004 u (ppm)	-8.4885
5/10/2019 21:20:39	Continuing Calibration Blank1	Pb (220.353 nm)	46.47	0.0010 (ppm)	3.0223
5/10/2019 21:20:39	Continuing Calibration Blank1	Sb (217.582 nm)	87.35	0.0024 u (ppm)	-0.3789
5/10/2019 21:20:39	Continuing Calibration Blank1	Se (196.026 nm)	57.90	-0.0018 u (ppm)	-1.1949
5/10/2019 21:20:39	Continuing Calibration Blank1	Sn (189.925 nm)	62.11	0.0019 (ppm)	0.4210
5/10/2019 21:20:39	Continuing Calibration Blank1	Sr (216.596 nm)	22.99	0.0153 (ppm)	146.8635
5/10/2019 21:20:39	Continuing Calibration Blank1	Ti (336.122 nm)	16.72	0.0015 (ppm)	247.1921
5/10/2019 21:20:39	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	-0.0003 u (ppm)	-1.7710
5/10/2019 21:20:39	Continuing Calibration Blank1	V (292.401 nm)	27.21	0.0001 (ppm)	51.0409
5/10/2019 21:20:39	Continuing Calibration Blank1	Y (360.074 nm)	0.24	1.04 (Ratio)	1178464.70
5/10/2019 21:20:39	Continuing Calibration Blank1	Y_R (360.074 nm)	0.24	1.04 (Ratio)	1182581.67
5/10/2019 21:20:39	Continuing Calibration Blank1	Zn (213.857 nm)	6.12	0.0003 (ppm)	0.5406
5/10/2019 21:23:58	PBS-336245	Ag (328.068 nm)	32.54	-0.0002 u (ppm)	-68.5899
5/10/2019 21:23:58	PBS-336245	Al (394.401 nm)	29.08	0.0301 (ppm)	851.3741
5/10/2019 21:23:58	PBS-336245	As (188.980 nm)	> 100.00	-0.0015 u (ppm)	-0.7503
5/10/2019 21:23:58	PBS-336245	B (248.772 nm)	23.60	-0.0003 u (ppm)	88.7994
5/10/2019 21:23:58	PBS-336245	Ba (230.424 nm)	20.17	0.0405 (ppm)	1851.4256
5/10/2019 21:23:58	PBS-336245	Be (313.107 nm)	24.25	0.0001 (ppm)	-201.9810
5/10/2019 21:23:58	PBS-336245	Ca (227.547 nm)	10.89	0.8113 (ppm)	47.6640
5/10/2019 21:23:58	PBS-336245	Cd (214.439 nm)	28.14	0.0002 (ppm)	12.2651
5/10/2019 21:23:58	PBS-336245	Co (230.786 nm)	37.29	0.0004 (ppm)	2.8676
5/10/2019 21:23:58	PBS-336245	Cr (267.716 nm)	23.79	0.0005 (ppm)	31.6050
5/10/2019 21:23:58	PBS-336245	Cu (327.395 nm)	> 100.00	0.0002 u (ppm)	35.1363
5/10/2019 21:23:58	PBS-336245	Fe (234.350 nm)	20.73	0.0184 (ppm)	262.7524
5/10/2019 21:23:58	PBS-336245	K (766.491 nm)	2.44	0.2818 (ppm)	958.2531
5/10/2019 21:23:58	PBS-336245	Mg (279.078 nm)	0.30	0.0996 (ppm)	248.0417
5/10/2019 21:23:58	PBS-336245	Mn (257.610 nm)	2.19	0.0003 (ppm)	147.9610
5/10/2019 21:23:58	PBS-336245	Mo (202.032 nm)	9.00	0.0013 (ppm)	8.7872
5/10/2019 21:23:58	PBS-336245	Na (588.995 nm)	7.31	1.7318 (ppm)	63216.1737
5/10/2019 21:23:58	PBS-336245	Ni (230.299 nm)	> 100.00	0.0003 u (ppm)	-9.2708
5/10/2019 21:23:58	PBS-336245	Pb (220.353 nm)	> 100.00	0.0006 u (ppm)	1.9280
5/10/2019 21:23:58	PBS-336245	Sb (217.582 nm)	> 100.00	0.0011 u (ppm)	-1.7361
5/10/2019 21:23:58	PBS-336245	Se (196.026 nm)	> 100.00	0.0016 u (ppm)	0.2853
5/10/2019 21:23:58	PBS-336245	Sn (189.925 nm)	17.40	0.0128 (ppm)	7.8976
5/10/2019 21:23:58	PBS-336245	Sr (216.596 nm)	21.57	0.0880 (ppm)	847.0087
5/10/2019 21:23:58	PBS-336245	Ti (336.122 nm)	4.86	0.0010 (ppm)	130.8802
5/10/2019 21:23:58	PBS-336245	Tl (351.923 nm)	> 100.00	0.0011 u (ppm)	2.0486
5/10/2019 21:23:58	PBS-336245	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	45.4311
5/10/2019 21:23:58	PBS-336245	Y (360.074 nm)	0.59	1.05 (Ratio)	1190444.05
5/10/2019 21:23:58	PBS-336245	Y_R (360.074 nm)	0.59	1.05 (Ratio)	1194465.58
5/10/2019 21:23:58	PBS-336245	Zn (213.857 nm)	1.22	0.0057 (ppm)	171.7577
5/10/2019 21:27:17	LCSS-336245	Ag (328.068 nm)	0.05	0.0497 (ppm)	3146.4586

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:27:17	LCSS-336245	Al (394.401 nm)	0.10	1.6107 (ppm)	29567.7257
5/10/2019 21:27:17	LCSS-336245	As (188.980 nm)	3.06	0.0379 (ppm)	23.0036
5/10/2019 21:27:17	LCSS-336245	B (249.772 nm)	0.30	0.9299 (ppm)	34765.0290
5/10/2019 21:27:17	LCSS-336245	Ba (230.424 nm)	0.69	2.1106 (ppm)	95534.5940
5/10/2019 21:27:17	LCSS-336245	Be (313.107 nm)	0.28	0.0486 (ppm)	60809.4370
5/10/2019 21:27:17	LCSS-336245	Ca (227.547 nm)	2.07	2.3122 (ppm)	133.4317
5/10/2019 21:27:17	LCSS-336245	Cd (214.439 nm)	0.68	0.0500 (ppm)	997.5785
5/10/2019 21:27:17	LCSS-336245	Co (230.786 nm)	0.24	0.5187 (ppm)	6157.1738
5/10/2019 21:27:17	LCSS-336245	Cr (267.716 nm)	0.31	0.2072 (ppm)	8090.8438
5/10/2019 21:27:17	LCSS-336245	Cu (327.395 nm)	0.34	0.2413 (ppm)	14648.7720
5/10/2019 21:27:17	LCSS-336245	Fe (234.350 nm)	0.14	0.9901 (ppm)	10298.3987
5/10/2019 21:27:17	LCSS-336245	K (766.491 nm)	0.16	18.5200 (ppm)	61189.5833
5/10/2019 21:27:17	LCSS-336245	Mg (279.078 nm)	0.40	2.0172 (ppm)	4356.8338
5/10/2019 21:27:17	LCSS-336245	Mn (257.610 nm)	0.32	0.5050 (ppm)	151533.5326
5/10/2019 21:27:17	LCSS-336245	Mo (202.032 nm)	0.56	0.4926 (ppm)	2646.1876
5/10/2019 21:27:17	LCSS-336245	Na (588.995 nm)	0.38	20.2641 (ppm)	837229.0939
5/10/2019 21:27:17	LCSS-336245	Ni (230.299 nm)	0.32	0.5069 (ppm)	4814.1137
5/10/2019 21:27:17	LCSS-336245	Pb (220.353 nm)	0.56	0.5110 (ppm)	1392.7828
5/10/2019 21:27:17	LCSS-336245	Sb (217.582 nm)	0.59	0.4605 (ppm)	492.7678
5/10/2019 21:27:17	LCSS-336245	Se (196.026 nm)	0.42	0.9474 (ppm)	416.1334
5/10/2019 21:27:17	LCSS-336245	Sn (189.925 nm)	0.48	4.9733 (ppm)	3405.3382
5/10/2019 21:27:17	LCSS-336245	Sr (216.596 nm)	0.20	2.1257 (ppm)	20492.6892
5/10/2019 21:27:17	LCSS-336245	Tl (351.923 nm)	0.16	0.5054 (ppm)	118773.5135
5/10/2019 21:27:17	LCSS-336245	Tl (351.923 nm)	0.04	1.8671 (ppm)	5232.3793
5/10/2019 21:27:17	LCSS-336245	V (292.401 nm)	0.28	0.5010 (ppm)	15107.7704
5/10/2019 21:27:17	LCSS-336245	Y (360.074 nm)	0.53	1.02 (Ratio)	1158729.47
5/10/2019 21:27:17	LCSS-336245	Y_R (360.074 nm)	0.53	1.02 (Ratio)	1162502.52
5/10/2019 21:27:17	LCSS-336245	Zn (213.857 nm)	0.39	0.4901 (ppm)	15429.7885
5/10/2019 21:30:36	R1904024-001	Ag (328.068 nm)	1.12	-0.0008 u (ppm)	-111.1062
5/10/2019 21:30:36	R1904024-001	Al (394.401 nm)	0.04	85.0516 o (ppm)	1371963.9701
5/10/2019 21:30:36	R1904024-001	As (188.980 nm)	3.74	0.0626 (ppm)	37.8908
5/10/2019 21:30:36	R1904024-001	B (249.772 nm)	0.18	0.1216 (ppm)	4633.3306
5/10/2019 21:30:36	R1904024-001	Ba (230.424 nm)	0.44	0.6551 (ppm)	29665.3081
5/10/2019 21:30:36	R1904024-001	Be (313.107 nm)	0.07	0.0038 (ppm)	4482.0289
5/10/2019 21:30:36	R1904024-001	Ca (227.547 nm)	0.45	12.5079 (ppm)	716.0447
5/10/2019 21:30:36	R1904024-001	Cd (214.439 nm)	3.14	0.0039 (ppm)	86.0636
5/10/2019 21:30:36	R1904024-001	Co (230.786 nm)	1.16	0.0852 (ppm)	1009.8261
5/10/2019 21:30:36	R1904024-001	Cr (267.716 nm)	0.07	0.1195 (ppm)	4672.4658
5/10/2019 21:30:36	R1904024-001	Cu (327.395 nm)	0.27	0.1222 (ppm)	7432.2356
5/10/2019 21:30:36	R1904024-001	Fe (234.350 nm)	0.50	181.6549 o (ppm)	1876227.4626
5/10/2019 21:30:36	R1904024-001	K (766.491 nm)	0.27	7.5591 (ppm)	24991.3016
5/10/2019 21:30:36	R1904024-001	Mg (279.078 nm)	0.22	31.2548 (ppm)	67005.2829
5/10/2019 21:30:36	R1904024-001	Mn (257.610 nm)	0.23	3.1967 o (ppm)	959067.1589
5/10/2019 21:30:36	R1904024-001	Mo (202.032 nm)	4.38	0.0031 (ppm)	18.3245
5/10/2019 21:30:36	R1904024-001	Na (588.995 nm)	2.15	0.8829 (ppm)	27760.2570
5/10/2019 21:30:36	R1904024-001	Ni (230.299 nm)	0.74	0.1872 (ppm)	1770.6884
5/10/2019 21:30:36	R1904024-001	Pb (220.353 nm)	2.16	0.0775 (ppm)	211.6596
5/10/2019 21:30:36	R1904024-001	Sb (217.582 nm)	> 100.00	-0.0044 u (ppm)	-7.6532
5/10/2019 21:30:36	R1904024-001	Se (196.026 nm)	20.58	0.0091 (ppm)	3.5912
5/10/2019 21:30:36	R1904024-001	Sn (189.925 nm)	12.48	0.0145 (ppm)	9.0731
5/10/2019 21:30:36	R1904024-001	Sr (216.596 nm)	0.66	0.1240 (ppm)	1194.0076

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:30:36	R1904024-001	Ti (336.122 nm)	0.34	0.4112 (ppm)	96616.4822
5/10/2019 21:30:36	R1904024-001	Ti (351.923 nm)	6.20	-0.0126 u (ppm)	-36.3226
5/10/2019 21:30:36	R1904024-001	V (292.401 nm)	0.16	0.1418 (ppm)	4311.3008
5/10/2019 21:30:36	R1904024-001	Y (360.074 nm)	0.55	1.04 (Ratio)	1178559.70
5/10/2019 21:30:36	R1904024-001	Y_R (360.074 nm)	0.56	1.04 (Ratio)	1182343.18
5/10/2019 21:30:36	R1904024-001	Zn (213.857 nm)	0.16	0.4861 (ppm)	15302.9401
5/10/2019 21:33:56	R1904024-001S	Ag (328.068 nm)	0.11	0.0482 (ppm)	3050.0615
5/10/2019 21:33:56	R1904024-001S	Al (394.401 nm)	0.11	89.0333 o (ppm)	1436174.4686
5/10/2019 21:33:56	R1904024-001S	As (188.980 nm)	2.78	0.0998 (ppm)	60.3623
5/10/2019 21:33:56	R1904024-001S	B (249.772 nm)	0.16	0.9823 (ppm)	36715.7988
5/10/2019 21:33:56	R1904024-001S	Ba (230.424 nm)	0.46	2.6578 (ppm)	120296.4387
5/10/2019 21:33:56	R1904024-001S	Be (313.107 nm)	0.10	0.0511 (ppm)	63878.3890
5/10/2019 21:33:56	R1904024-001S	Ca (227.547 nm)	0.92	15.1441 (ppm)	866.6830
5/10/2019 21:33:56	R1904024-001S	Cd (214.439 nm)	0.68	0.0512 (ppm)	1021.8577
5/10/2019 21:33:56	R1904024-001S	Co (230.786 nm)	0.99	0.5683 (ppm)	6746.1905
5/10/2019 21:33:56	R1904024-001S	Cr (267.716 nm)	0.19	0.3206 (ppm)	12511.9799
5/10/2019 21:33:56	R1904024-001S	Cu (327.395 nm)	0.08	0.4341 (ppm)	26339.0894
5/10/2019 21:33:56	R1904024-001S	Fe (234.350 nm)	0.41	182.2652 o (ppm)	1882530.5939
5/10/2019 21:33:56	R1904024-001S	K (766.491 nm)	0.40	24.5041 (ppm)	80951.9264
5/10/2019 21:33:56	R1904024-001S	Mg (279.078 nm)	0.11	33.3372 (ppm)	71467.3261
5/10/2019 21:33:56	R1904024-001S	Mn (257.610 nm)	0.35	3.7804 o (ppm)	1134185.9299
5/10/2019 21:33:56	R1904024-001S	Mo (202.032 nm)	0.47	0.4697 (ppm)	2522.9423
5/10/2019 21:33:56	R1904024-001S	Na (588.995 nm)	0.51	20.2700 (ppm)	837477.4278
5/10/2019 21:33:56	R1904024-001S	Ni (230.299 nm)	0.07	0.6618 (ppm)	6289.7143
5/10/2019 21:33:56	R1904024-001S	Pb (220.353 nm)	0.19	0.5599 (ppm)	1526.0418
5/10/2019 21:33:56	R1904024-001S	Sb (217.582 nm)	1.96	0.3470 (ppm)	370.5492
5/10/2019 21:33:56	R1904024-001S	Se (196.026 nm)	0.59	0.9320 (ppm)	409.3608
5/10/2019 21:33:56	R1904024-001S	Sn (189.925 nm)	0.41	4.7501 (ppm)	3252.4618
5/10/2019 21:33:56	R1904024-001S	Sr (216.596 nm)	0.25	2.0947 (ppm)	20193.4924
5/10/2019 21:33:56	R1904024-001S	Ti (336.122 nm)	0.19	0.7678 (ppm)	180488.9424
5/10/2019 21:33:56	R1904024-001S	Ti (351.923 nm)	0.21	1.8514 (ppm)	5188.2777
5/10/2019 21:33:56	R1904024-001S	V (292.401 nm)	0.13	0.6202 (ppm)	18688.8067
5/10/2019 21:33:56	R1904024-001S	Y (360.074 nm)	0.76	1.02 (Ratio)	1163703.20
5/10/2019 21:33:56	R1904024-001S	Y_R (360.074 nm)	0.76	1.03 (Ratio)	1167406.90
5/10/2019 21:33:56	R1904024-001S	Zn (213.857 nm)	0.44	0.9668 (ppm)	30442.3564
5/10/2019 21:37:15	R1904024-001SD	Ag (328.068 nm)	0.33	0.0485 (ppm)	3069.9736
5/10/2019 21:37:15	R1904024-001SD	Al (394.401 nm)	0.22	97.9419 o (ppm)	1579841.0395
5/10/2019 21:37:15	R1904024-001SD	As (188.980 nm)	6.74	0.1090 (ppm)	65.9304
5/10/2019 21:37:15	R1904024-001SD	B (249.772 nm)	0.26	0.9982 (ppm)	37308.4907
5/10/2019 21:37:15	R1904024-001SD	Ba (230.424 nm)	0.35	2.6862 (ppm)	121579.6016
5/10/2019 21:37:15	R1904024-001SD	Be (313.107 nm)	0.25	0.0518 (ppm)	64783.0298
5/10/2019 21:37:15	R1904024-001SD	Ca (227.547 nm)	1.34	14.9097 (ppm)	853.2890
5/10/2019 21:37:15	R1904024-001SD	Cd (214.439 nm)	0.69	0.0513 (ppm)	1024.0233
5/10/2019 21:37:15	R1904024-001SD	Co (230.786 nm)	0.56	0.5803 (ppm)	6889.2270
5/10/2019 21:37:15	R1904024-001SD	Cr (267.716 nm)	0.24	0.3343 (ppm)	13047.0338
5/10/2019 21:37:15	R1904024-001SD	Cu (327.395 nm)	0.20	0.3607 (ppm)	21891.3298
5/10/2019 21:37:15	R1904024-001SD	Fe (234.350 nm)	0.21	205.7082 o (ppm)	2124652.7212
5/10/2019 21:37:15	R1904024-001SD	K (766.491 nm)	0.04	24.3811 (ppm)	80545.6393
5/10/2019 21:37:15	R1904024-001SD	Mg (279.078 nm)	0.37	36.9831 (ppm)	79279.3591
5/10/2019 21:37:15	R1904024-001SD	Mn (257.610 nm)	0.43	3.7542 o (ppm)	1126308.7729
5/10/2019 21:37:15	R1904024-001SD	Mo (202.032 nm)	0.49	0.4715 (ppm)	2532.6093

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:37:15	R1904024-001SD	Na (588.995 nm)	0.13	20.1926 (ppm)	834245.9888
5/10/2019 21:37:15	R1904024-001SD	Ni (230.299 nm)	0.12	0.6880 (ppm)	6539.2806
5/10/2019 21:37:15	R1904024-001SD	Pb (220.353 nm)	0.19	0.5602 (ppm)	1526.8381
5/10/2019 21:37:15	R1904024-001SD	Sb (217.582 nm)	0.90	0.3488 (ppm)	372.5603
5/10/2019 21:37:15	R1904024-001SD	Se (196.026 nm)	0.48	0.9356 (ppm)	410.9368
5/10/2019 21:37:15	R1904024-001SD	Sn (189.925 nm)	0.58	4.7302 (ppm)	3238.8436
5/10/2019 21:37:15	R1904024-001SD	Sr (216.596 nm)	0.47	2.1002 (ppm)	20246.1106
5/10/2019 21:37:15	R1904024-001SD	Ti (336.122 nm)	0.23	0.7790 (ppm)	183127.6267
5/10/2019 21:37:15	R1904024-001SD	Ti (351.923 nm)	0.36	1.8649 (ppm)	5226.0549
5/10/2019 21:37:15	R1904024-001SD	V (292.401 nm)	0.25	0.6317 (ppm)	19035.2019
5/10/2019 21:37:15	R1904024-001SD	Y (360.074 nm)	0.49	1.02 (Ratio)	1164887.55
5/10/2019 21:37:15	R1904024-001SD	Y_R (360.074 nm)	0.50	1.03 (Ratio)	1168628.15
5/10/2019 21:37:15	R1904024-001SD	Zn (213.857 nm)	0.32	1.0073 (ppm)	31719.4675
5/10/2019 21:40:34	R1904024-001A	Ag (328.068 nm)	0.43	0.0469 (ppm)	2963.7345
5/10/2019 21:40:34	R1904024-001A	Al (394.401 nm)	0.08	86.0920 o (ppm)	1388741.1236
5/10/2019 21:40:34	R1904024-001A	As (188.980 nm)	2.92	0.0986 (ppm)	59.6476
5/10/2019 21:40:34	R1904024-001A	B (249.772 nm)	0.29	1.0043 (ppm)	37537.6559
5/10/2019 21:40:34	R1904024-001A	Ba (230.424 nm)	0.13	2.5691 (ppm)	116280.4088
5/10/2019 21:40:34	R1904024-001A	Be (313.107 nm)	0.34	0.0498 (ppm)	62230.1233
5/10/2019 21:40:34	R1904024-001A	Ca (227.547 nm)	0.49	14.0169 (ppm)	802.2685
5/10/2019 21:40:34	R1904024-001A	Cd (214.439 nm)	0.12	0.0497 (ppm)	990.7985
5/10/2019 21:40:34	R1904024-001A	Co (230.786 nm)	0.51	0.5562 (ppm)	6603.0453
5/10/2019 21:40:34	R1904024-001A	Cr (267.716 nm)	0.21	0.3068 (ppm)	11975.6433
5/10/2019 21:40:34	R1904024-001A	Cu (327.395 nm)	0.22	0.3491 (ppm)	21185.0047
5/10/2019 21:40:34	R1904024-001A	Fe (234.350 nm)	0.64	178.3144 o (ppm)	1841725.4535
5/10/2019 21:40:34	R1904024-001A	K (766.491 nm)	0.21	25.6382 (ppm)	84697.2079
5/10/2019 21:40:34	R1904024-001A	Mg (279.078 nm)	0.20	32.1651 (ppm)	68955.7367
5/10/2019 21:40:34	R1904024-001A	Mn (257.610 nm)	0.40	3.5644 o (ppm)	1069369.2981
5/10/2019 21:40:34	R1904024-001A	Mo (202.032 nm)	0.52	0.4575 (ppm)	2457.8683
5/10/2019 21:40:34	R1904024-001A	Na (588.995 nm)	0.15	19.5295 (ppm)	806547.8881
5/10/2019 21:40:34	R1904024-001A	Ni (230.299 nm)	0.65	0.6477 (ppm)	6155.2989
5/10/2019 21:40:34	R1904024-001A	Pb (220.353 nm)	0.36	0.5381 (ppm)	1466.6069
5/10/2019 21:40:34	R1904024-001A	Sb (217.582 nm)	0.41	0.4260 (ppm)	455.5507
5/10/2019 21:40:34	R1904024-001A	Se (196.026 nm)	0.10	0.9673 (ppm)	424.8833
5/10/2019 21:40:34	R1904024-001A	Sn (189.925 nm)	0.18	4.7191 (ppm)	3231.2478
5/10/2019 21:40:34	R1904024-001A	Sr (216.596 nm)	0.36	2.1729 (ppm)	20947.5231
5/10/2019 21:40:34	R1904024-001A	Ti (336.122 nm)	0.09	0.8712 (ppm)	204815.2016
5/10/2019 21:40:34	R1904024-001A	Ti (351.923 nm)	0.14	1.8145 (ppm)	5084.8938
5/10/2019 21:40:34	R1904024-001A	V (292.401 nm)	0.32	0.6050 (ppm)	18232.0374
5/10/2019 21:40:34	R1904024-001A	Y (360.074 nm)	0.58	1.03 (Ratio)	1165967.03
5/10/2019 21:40:34	R1904024-001A	Y_R (360.074 nm)	0.58	1.03 (Ratio)	1169650.40
5/10/2019 21:40:34	R1904024-001A	Zn (213.857 nm)	0.30	0.9356 (ppm)	29461.6873
5/10/2019 21:43:54	R1904024-001L	Ag (328.068 nm)	10.61	-0.0004 u (ppm)	-84.6514
5/10/2019 21:43:54	R1904024-001L	Al (394.401 nm)	0.23	16.1999 (ppm)	261616.7782
5/10/2019 21:43:54	R1904024-001L	As (188.980 nm)	29.29	0.0129 (ppm)	7.8932
5/10/2019 21:43:54	R1904024-001L	B (249.772 nm)	0.65	0.0257 (ppm)	1058.4357
5/10/2019 21:43:54	R1904024-001L	Ba (230.424 nm)	0.41	0.1324 (ppm)	6011.8615
5/10/2019 21:43:54	R1904024-001L	Be (313.107 nm)	1.31	0.0008 (ppm)	669.8064
5/10/2019 21:43:54	R1904024-001L	Ca (227.547 nm)	1.48	2.3862 (ppm)	137.6599
5/10/2019 21:43:54	R1904024-001L	Cd (214.439 nm)	51.13	0.0005 (ppm)	19.0220
5/10/2019 21:43:54	R1904024-001L	Co (230.786 nm)	2.27	0.0178 (ppm)	209.1584

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:43:54	R1904024-001L	Cr (267.716 nm)	0.15	0.0243 (ppm)	960.8831
5/10/2019 21:43:54	R1904024-001L	Cu (327.395 nm)	0.46	0.0239 (ppm)	1471.5270
5/10/2019 21:43:54	R1904024-001L	Fe (234.350 nm)	0.22	40.3610 o (ppm)	416925.9050
5/10/2019 21:43:54	R1904024-001L	K (766.491 nm)	0.91	1.4317 (ppm)	4755.8207
5/10/2019 21:43:54	R1904024-001L	Mg (279.078 nm)	0.24	6.4017 (ppm)	13751.5693
5/10/2019 21:43:54	R1904024-001L	Mn (257.610 nm)	0.34	0.6640 (ppm)	199258.3194
5/10/2019 21:43:54	R1904024-001L	Mo (202.032 nm)	26.14	0.0013 (ppm)	8.5748
5/10/2019 21:43:54	R1904024-001L	Na (588.995 nm)	0.37	0.1266 (ppm)	-3830.1329
5/10/2019 21:43:54	R1904024-001L	Ni (230.299 nm)	1.16	0.0378 (ppm)	347.8654
5/10/2019 21:43:54	R1904024-001L	Pb (220.353 nm)	7.29	0.0163 (ppm)	44.8776
5/10/2019 21:43:54	R1904024-001L	Sb (217.582 nm)	> 100.00	0.0022 u (ppm)	-0.5802
5/10/2019 21:43:54	R1904024-001L	Se (196.026 nm)	> 100.00	0.0013 u (ppm)	0.1581
5/10/2019 21:43:54	R1904024-001L	Sn (189.925 nm)	48.55	0.0035 (ppm)	1.5056
5/10/2019 21:43:54	R1904024-001L	Sr (216.596 nm)	1.70	0.0222 (ppm)	213.1494
5/10/2019 21:43:54	R1904024-001L	Ti (336.122 nm)	0.32	0.0838 (ppm)	19615.2969
5/10/2019 21:43:54	R1904024-001L	Tl (351.923 nm)	> 100.00	-0.0016 u (ppm)	-5.5178
5/10/2019 21:43:54	R1904024-001L	V (292.401 nm)	0.58	0.0282 (ppm)	896.2869
5/10/2019 21:43:54	R1904024-001L	Y (360.074 nm)	0.43	1.04 (Ratio)	1186473.71
5/10/2019 21:43:54	R1904024-001L	Y_R (360.074 nm)	0.43	1.05 (Ratio)	1190521.34
5/10/2019 21:43:54	R1904024-001L	Zn (213.857 nm)	0.29	0.0990 (ppm)	3108.9581
5/10/2019 21:47:14	R1904024-002	Ag (328.068 nm)	13.07	-0.0010 u (ppm)	-124.2556
5/10/2019 21:47:14	R1904024-002	Al (394.401 nm)	0.45	80.4404 o (ppm)	1297600.6617
5/10/2019 21:47:14	R1904024-002	As (188.980 nm)	3.76	0.0777 (ppm)	47.0273
5/10/2019 21:47:14	R1904024-002	B (249.772 nm)	0.65	0.1328 (ppm)	5050.5277
5/10/2019 21:47:14	R1904024-002	Ba (230.424 nm)	0.49	0.6028 (ppm)	27298.1208
5/10/2019 21:47:14	R1904024-002	Be (313.107 nm)	0.39	0.0040 (ppm)	4694.5402
5/10/2019 21:47:14	R1904024-002	Ca (227.547 nm)	0.17	29.9913 (ppm)	1715.0913
5/10/2019 21:47:14	R1904024-002	Cd (214.439 nm)	2.78	0.0056 (ppm)	119.6824
5/10/2019 21:47:14	R1904024-002	Co (230.786 nm)	0.57	0.0771 (ppm)	913.5963
5/10/2019 21:47:14	R1904024-002	Cr (267.716 nm)	0.31	0.1078 (ppm)	4217.6636
5/10/2019 21:47:14	R1904024-002	Cu (327.395 nm)	0.14	0.1400 (ppm)	8509.7391
5/10/2019 21:47:14	R1904024-002	Fe (234.350 nm)	0.24	211.2360 o (ppm)	2181744.2891
5/10/2019 21:47:14	R1904024-002	K (766.491 nm)	0.06	5.8757 (ppm)	19431.9660
5/10/2019 21:47:14	R1904024-002	Mg (279.078 nm)	0.19	30.5072 (ppm)	65403.2730
5/10/2019 21:47:14	R1904024-002	Mn (257.610 nm)	0.59	7.1326 o (ppm)	2139848.6961
5/10/2019 21:47:14	R1904024-002	Mo (202.032 nm)	14.97	0.0028 (ppm)	16.9895
5/10/2019 21:47:14	R1904024-002	Na (588.995 nm)	2.14	0.4814 (ppm)	10990.5797
5/10/2019 21:47:14	R1904024-002	Ni (230.299 nm)	0.40	0.1727 (ppm)	1632.4445
5/10/2019 21:47:14	R1904024-002	Pb (220.353 nm)	1.10	0.0975 (ppm)	265.9771
5/10/2019 21:47:14	R1904024-002	Sb (217.582 nm)	65.33	-0.0062 u (ppm)	-9.5672
5/10/2019 21:47:14	R1904024-002	Se (196.026 nm)	54.28	0.0061 (ppm)	2.2656
5/10/2019 21:47:14	R1904024-002	Sn (189.925 nm)	13.24	0.0164 (ppm)	10.3739
5/10/2019 21:47:14	R1904024-002	Sr (216.596 nm)	0.68	0.1247 (ppm)	1201.6142
5/10/2019 21:47:14	R1904024-002	Ti (336.122 nm)	0.31	0.2332 (ppm)	54741.1626
5/10/2019 21:47:14	R1904024-002	Tl (351.923 nm)	5.14	-0.0143 u (ppm)	-41.1108
5/10/2019 21:47:14	R1904024-002	V (292.401 nm)	0.43	0.1488 (ppm)	4519.4720
5/10/2019 21:47:14	R1904024-002	Y (360.074 nm)	0.45	1.03 (Ratio)	1175753.67
5/10/2019 21:47:14	R1904024-002	Y_R (360.074 nm)	0.44	1.04 (Ratio)	1179656.45
5/10/2019 21:47:14	R1904024-002	Zn (213.857 nm)	0.43	0.6549 (ppm)	20619.9818
5/10/2019 21:50:33	R1904024-003	Ag (328.068 nm)	8.08	-0.0008 u (ppm)	-108.1572
5/10/2019 21:50:33	R1904024-003	Al (394.401 nm)	0.14	92.0006 o (ppm)	1484027.4530

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:50:33	R1904024-003	As (188.980 nm)	3.23	0.0703 (ppm)	42.5825
5/10/2019 21:50:33	R1904024-003	B (249.772 nm)	0.44	0.1207 (ppm)	4599.0481
5/10/2019 21:50:33	R1904024-003	Ba (230.424 nm)	0.96	0.7761 (ppm)	35143.1390
5/10/2019 21:50:33	R1904024-003	Be (313.107 nm)	0.38	0.0044 (ppm)	5269.1004
5/10/2019 21:50:33	R1904024-003	Ce (227.547 nm)	0.61	9.7951 (ppm)	561.0228
5/10/2019 21:50:33	R1904024-003	Cd (214.439 nm)	5.56	0.0040 (ppm)	87.9535
5/10/2019 21:50:33	R1904024-003	Co (230.786 nm)	0.79	0.0844 (ppm)	1000.0063
5/10/2019 21:50:33	R1904024-003	Cr (267.716 nm)	0.10	0.1216 (ppm)	4753.2054
5/10/2019 21:50:33	R1904024-003	Cu (327.395 nm)	0.05	0.1408 (ppm)	8561.1953
5/10/2019 21:50:33	R1904024-003	Fe (234.350 nm)	0.36	176.0047 (ppm)	1817871.1324
5/10/2019 21:50:33	R1904024-003	K (766.491 nm)	0.02	9.5073 (ppm)	31425.4290
5/10/2019 21:50:33	R1904024-003	Mg (279.078 nm)	0.24	28.3033 (ppm)	60681.0072
5/10/2019 21:50:33	R1904024-003	Mn (257.610 nm)	0.36	4.5684 (ppm)	1370573.2890
5/10/2019 21:50:33	R1904024-003	Mo (202.032 nm)	12.43	0.0033 (ppm)	19.4955
5/10/2019 21:50:33	R1904024-003	Na (588.995 nm)	1.70	0.5671 (ppm)	14569.7219
5/10/2019 21:50:33	R1904024-003	Ni (230.299 nm)	0.50	0.1904 (ppm)	1800.4868
5/10/2019 21:50:33	R1904024-003	Pb (220.353 nm)	0.50	0.0955 (ppm)	260.6440
5/10/2019 21:50:33	R1904024-003	Sb (217.582 nm)	> 100.00	-0.0016 (ppm)	-4.6481
5/10/2019 21:50:33	R1904024-003	Se (196.026 nm)	30.60	0.0123 (ppm)	5.0140
5/10/2019 21:50:33	R1904024-003	Sn (189.925 nm)	10.71	0.0158 (ppm)	9.9306
5/10/2019 21:50:33	R1904024-003	Sr (216.596 nm)	0.84	0.1055 (ppm)	1016.1938
5/10/2019 21:50:33	R1904024-003	Ti (336.122 nm)	0.32	0.4015 (ppm)	94327.8508
5/10/2019 21:50:33	R1904024-003	Tl (351.923 nm)	27.48	-0.0108 (ppm)	-31.1644
5/10/2019 21:50:33	R1904024-003	V (292.401 nm)	0.30	0.1410 (ppm)	4287.1112
5/10/2019 21:50:33	R1904024-003	Y (360.074 nm)	0.63	1.04 (Ratio)	1185134.23
5/10/2019 21:50:33	R1904024-003	Y_R (360.074 nm)	0.63	1.05 (Ratio)	1189129.20
5/10/2019 21:50:33	R1904024-003	Zn (213.857 nm)	0.49	0.5425 (ppm)	17080.2015
5/10/2019 21:53:53	R1904024-004	Ag (328.068 nm)	12.74	-0.0007 (ppm)	-106.6908
5/10/2019 21:53:53	R1904024-004	Al (394.401 nm)	0.19	97.4713 (ppm)	1572251.5073
5/10/2019 21:53:53	R1904024-004	As (188.980 nm)	3.96	0.0688 (ppm)	41.6476
5/10/2019 21:53:53	R1904024-004	B (249.772 nm)	0.28	0.1299 (ppm)	4944.2164
5/10/2019 21:53:53	R1904024-004	Ba (230.424 nm)	0.26	0.6295 (ppm)	28508.8214
5/10/2019 21:53:53	R1904024-004	Be (313.107 nm)	0.20	0.0043 (ppm)	5170.3811
5/10/2019 21:53:53	R1904024-004	Ce (227.547 nm)	0.24	5.3627 (ppm)	307.7442
5/10/2019 21:53:53	R1904024-004	Cd (214.439 nm)	3.30	0.0043 (ppm)	93.4158
5/10/2019 21:53:53	R1904024-004	Co (230.786 nm)	1.16	0.0778 (ppm)	922.0035
5/10/2019 21:53:53	R1904024-004	Cr (267.716 nm)	0.16	0.1277 (ppm)	4992.6875
5/10/2019 21:53:53	R1904024-004	Cu (327.395 nm)	0.12	0.1114 (ppm)	6777.9309
5/10/2019 21:53:53	R1904024-004	Fe (234.350 nm)	0.02	188.8483 (ppm)	1950521.5565
5/10/2019 21:53:53	R1904024-004	K (766.491 nm)	0.11	8.1489 (ppm)	26939.3447
5/10/2019 21:53:53	R1904024-004	Mg (279.078 nm)	0.25	27.0927 (ppm)	58087.0374
5/10/2019 21:53:53	R1904024-004	Mn (257.610 nm)	0.22	2.3653 (ppm)	709635.6288
5/10/2019 21:53:53	R1904024-004	Mo (202.032 nm)	21.70	0.0033 (ppm)	19.6695
5/10/2019 21:53:53	R1904024-004	Na (588.995 nm)	0.89	0.6698 (ppm)	18858.0119
5/10/2019 21:53:53	R1904024-004	Ni (230.299 nm)	0.62	0.1575 (ppm)	1487.7551
5/10/2019 21:53:53	R1904024-004	Pb (220.353 nm)	1.30	0.0872 (ppm)	238.0499
5/10/2019 21:53:53	R1904024-004	Sb (217.582 nm)	31.82	-0.0067 (ppm)	-10.1416
5/10/2019 21:53:53	R1904024-004	Se (196.026 nm)	> 100.00	0.0025 (ppm)	0.7080
5/10/2019 21:53:53	R1904024-004	Sn (189.925 nm)	29.13	0.0142 (ppm)	8.8098
5/10/2019 21:53:53	R1904024-004	Sr (216.596 nm)	0.32	0.0727 (ppm)	700.2940
5/10/2019 21:53:53	R1904024-004	Ti (336.122 nm)	0.16	0.5171 (ppm)	121521.4087

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 21:53:53	R1904024-004	Tl (351.923 nm)	24.49	-0.0122 u (ppm)	-34.9879
5/10/2019 21:53:53	R1904024-004	V (292.401 nm)	0.29	0.1671 (ppm)	5071.8652
5/10/2019 21:53:53	R1904024-004	Y (360.074 nm)	0.55	1.03 (Ratio)	1171523.27
5/10/2019 21:53:53	R1904024-004	Y_R (360.074 nm)	0.55	1.03 (Ratio)	1175392.53
5/10/2019 21:53:53	R1904024-004	Zn (213.857 nm)	0.15	0.4875 (ppm)	15347.7562
5/10/2019 21:57:12	Continuing Calibration Verification1	Ag (328.068 nm)	0.12	0.4988 (ppm)	32085.6379
5/10/2019 21:57:12	Continuing Calibration Verification1	Al (394.401 nm)	0.06	9.3043 (ppm)	150413.2084
5/10/2019 21:57:12	Continuing Calibration Verification1	As (188.980 nm)	0.72	0.9665 (ppm)	583.4296
5/10/2019 21:57:12	Continuing Calibration Verification1	B (249.772 nm)	0.28	2.3221 (ppm)	86658.6299
5/10/2019 21:57:12	Continuing Calibration Verification1	Ba (230.424 nm)	0.14	10.0884 (ppm)	456560.5509
5/10/2019 21:57:12	Continuing Calibration Verification1	Be (313.107 nm)	0.30	0.2469 (ppm)	309848.7121
5/10/2019 21:57:12	Continuing Calibration Verification1	Ca (227.547 nm)	0.51	23.2143 (ppm)	1327.8354
5/10/2019 21:57:12	Continuing Calibration Verification1	Cd (214.439 nm)	0.17	0.4854 (ppm)	9609.8240
5/10/2019 21:57:12	Continuing Calibration Verification1	Co (230.786 nm)	0.20	2.5618 (ppm)	30420.3665
5/10/2019 21:57:12	Continuing Calibration Verification1	Cr (267.716 nm)	0.12	0.4958 (ppm)	19347.1471
5/10/2019 21:57:12	Continuing Calibration Verification1	Cu (327.395 nm)	0.18	1.1594 (ppm)	70307.0577
5/10/2019 21:57:12	Continuing Calibration Verification1	Fe (234.350 nm)	0.16	4.8291 (ppm)	49948.4430
5/10/2019 21:57:12	Continuing Calibration Verification1	K (766.491 nm)	0.17	23.2974 (ppm)	76966.5390
5/10/2019 21:57:12	Continuing Calibration Verification1	Mg (279.078 nm)	0.10	24.8304 (ppm)	53239.3449
5/10/2019 21:57:12	Continuing Calibration Verification1	Mn (257.610 nm)	0.19	0.7356 (ppm)	220727.1927
5/10/2019 21:57:12	Continuing Calibration Verification1	Mo (202.032 nm)	0.35	2.3829 (ppm)	12793.1668
5/10/2019 21:57:12	Continuing Calibration Verification1	Na (588.995 nm)	0.45	24.2633 (ppm)	1004262.0666
5/10/2019 21:57:12	Continuing Calibration Verification1	Ni (230.299 nm)	0.13	1.9790 (ppm)	18831.5163
5/10/2019 21:57:12	Continuing Calibration Verification1	Pb (220.353 nm)	0.45	0.4982 (ppm)	1357.8381
5/10/2019 21:57:12	Continuing Calibration Verification1	Sb (217.582 nm)	0.20	4.6807 (ppm)	5035.2301
5/10/2019 21:57:12	Continuing Calibration Verification1	Se (196.026 nm)	0.50	0.4692 (ppm)	205.8933
5/10/2019 21:57:12	Continuing Calibration Verification1	Sn (189.925 nm)	0.17	4.8961 (ppm)	3352.4146
5/10/2019 21:57:12	Continuing Calibration Verification1	Sr (216.596 nm)	0.28	2.5305 (ppm)	24394.8398
5/10/2019 21:57:12	Continuing Calibration Verification1	Tl (336.122 nm)	0.09	2.4571 (ppm)	577804.1314
5/10/2019 21:57:12	Continuing Calibration Verification1	Tl (351.923 nm)	0.24	0.9837 (ppm)	2756.3532
5/10/2019 21:57:12	Continuing Calibration Verification1	V (292.401 nm)	0.12	2.4932 (ppm)	74988.6999
5/10/2019 21:57:12	Continuing Calibration Verification1	Y (360.074 nm)	0.32	1.00 (Ratio)	1141214.05
5/10/2019 21:57:12	Continuing Calibration Verification1	Y_R (360.074 nm)	0.32	1.01 (Ratio)	1144975.12
5/10/2019 21:57:12	Continuing Calibration Verification1	Zn (213.857 nm)	0.09	0.9576 (ppm)	30154.6947
5/10/2019 22:00:31	Continuing Calibration Blank1	Ag (328.068 nm)	10.11	-0.0003 u (ppm)	-76.5667
5/10/2019 22:00:31	Continuing Calibration Blank1	Al (394.401 nm)	9.79	-0.0057 u (ppm)	274.0026
5/10/2019 22:00:31	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	0.0005 u (ppm)	0.4758
5/10/2019 22:00:31	Continuing Calibration Blank1	B (249.772 nm)	> 100.00	-0.0002 u (ppm)	92.9649
5/10/2019 22:00:31	Continuing Calibration Blank1	Ba (230.424 nm)	15.06	0.0009 (ppm)	62.5273
5/10/2019 22:00:31	Continuing Calibration Blank1	Be (313.107 nm)	51.26	0.0000 (ppm)	-271.1466
5/10/2019 22:00:31	Continuing Calibration Blank1	Ca (227.547 nm)	> 100.00	0.0059 u (ppm)	1.6446
5/10/2019 22:00:31	Continuing Calibration Blank1	Cd (214.439 nm)	38.88	-0.0001 u (ppm)	6.3659
5/10/2019 22:00:31	Continuing Calibration Blank1	Co (230.786 nm)	66.61	0.0004 (ppm)	2.1308
5/10/2019 22:00:31	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	-0.0001 u (ppm)	10.0520
5/10/2019 22:00:31	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	27.7448
5/10/2019 22:00:31	Continuing Calibration Blank1	Fe (234.350 nm)	11.72	0.0121 (ppm)	198.1405
5/10/2019 22:00:31	Continuing Calibration Blank1	K (766.491 nm)	> 100.00	-0.0006 u (ppm)	25.5467
5/10/2019 22:00:31	Continuing Calibration Blank1	Mg (279.078 nm)	23.17	-0.0088 u (ppm)	15.7966
5/10/2019 22:00:31	Continuing Calibration Blank1	Mn (257.610 nm)	10.59	0.0003 (ppm)	139.8497
5/10/2019 22:00:31	Continuing Calibration Blank1	Mo (202.032 nm)	35.66	0.0035 (ppm)	20.3656
5/10/2019 22:00:31	Continuing Calibration Blank1	Na (588.995 nm)	3.64	0.0318 (ppm)	-7788.3475

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:00:31	Continuing Calibration Blank1	Ni (230.299 nm)	> 100.00	0.0001 u (ppm)	-11.5524
5/10/2019 22:00:31	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0004 u (ppm)	1.5098
5/10/2019 22:00:31	Continuing Calibration Blank1	Sb (217.582 nm)	37.48	0.0042 (ppm)	1.5581
5/10/2019 22:00:31	Continuing Calibration Blank1	Se (196.026 nm)	78.45	0.0051 (ppm)	1.8281
5/10/2019 22:00:31	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	0.0008 u (ppm)	-0.3460
5/10/2019 22:00:31	Continuing Calibration Blank1	Sr (216.596 nm)	64.80	0.0006 (ppm)	4.5809
5/10/2019 22:00:31	Continuing Calibration Blank1	Ti (336.122 nm)	18.99	0.0016 (ppm)	270.5867
5/10/2019 22:00:31	Continuing Calibration Blank1	Tl (351.923 nm)	79.92	0.0022 (ppm)	5.3048
5/10/2019 22:00:31	Continuing Calibration Blank1	V (292.401 nm)	51.54	-0.0002 u (ppm)	42.3648
5/10/2019 22:00:31	Continuing Calibration Blank1	Y (360.074 nm)	0.28	1.05 (Ratio)	1194400.73
5/10/2019 22:00:31	Continuing Calibration Blank1	Y_R (360.074 nm)	0.28	1.05 (Ratio)	1198547.77
5/10/2019 22:00:31	Continuing Calibration Blank1	Zn (213.857 nm)	12.55	0.0002 (ppm)	-3.4573
5/10/2019 22:03:51	R1904024-005	Ag (328.068 nm)	5.38	-0.0013 u (ppm)	-142.5881
5/10/2019 22:03:51	R1904024-005	Al (394.401 nm)	0.24	131.1837 o (ppm)	2115920.0396
5/10/2019 22:03:51	R1904024-005	As (188.980 nm)	3.07	0.1064 (ppm)	64.3517
5/10/2019 22:03:51	R1904024-005	B (249.772 nm)	0.23	0.1597 (ppm)	6055.0795
5/10/2019 22:03:51	R1904024-005	Ba (230.424 nm)	0.85	1.0489 (ppm)	47487.8826
5/10/2019 22:03:51	R1904024-005	Be (313.107 nm)	0.33	0.0072 (ppm)	8775.1941
5/10/2019 22:03:51	R1904024-005	Ca (227.547 nm)	1.49	12.5194 (ppm)	716.7007
5/10/2019 22:03:51	R1904024-005	Cd (214.439 nm)	2.22	0.0052 (ppm)	112.3907
5/10/2019 22:03:51	R1904024-005	Co (230.786 nm)	0.33	0.0925 (ppm)	1095.8034
5/10/2019 22:03:51	R1904024-005	Cr (267.716 nm)	0.25	0.1327 (ppm)	5187.9918
5/10/2019 22:03:51	R1904024-005	Cu (327.395 nm)	0.07	0.1052 (ppm)	6402.7155
5/10/2019 22:03:51	R1904024-005	Fe (234.350 nm)	0.11	242.5000 o (ppm)	2504642.3329
5/10/2019 22:03:51	R1904024-005	K (766.491 nm)	0.24	10.7786 (ppm)	35623.8369
5/10/2019 22:03:51	R1904024-005	Mg (278.078 nm)	0.10	25.1697 (ppm)	53966.3965
5/10/2019 22:03:51	R1904024-005	Mn (257.610 nm)	0.06	11.3127 o (ppm)	3393883.3518
5/10/2019 22:03:51	R1904024-005	Mo (202.032 nm)	9.86	0.0051 (ppm)	29.2728
5/10/2019 22:03:51	R1904024-005	Na (588.995 nm)	0.13	0.7481 (ppm)	22128.7025
5/10/2019 22:03:51	R1904024-005	Ni (230.299 nm)	0.75	0.1829 (ppm)	1729.7529
5/10/2019 22:03:51	R1904024-005	Pb (220.353 nm)	1.33	0.1343 (ppm)	366.3673
5/10/2019 22:03:51	R1904024-005	Sb (217.582 nm)	30.48	-0.0102 u (ppm)	-13.9650
5/10/2019 22:03:51	R1904024-005	Se (196.026 nm)	30.67	0.0197 (ppm)	8.2755
5/10/2019 22:03:51	R1904024-005	Sn (189.925 nm)	29.32	0.0138 (ppm)	8.5518
5/10/2019 22:03:51	R1904024-005	Sr (216.596 nm)	0.76	0.1184 (ppm)	1140.0041
5/10/2019 22:03:51	R1904024-005	Ti (336.122 nm)	0.47	0.4145 (ppm)	97392.6083
5/10/2019 22:03:51	R1904024-005	Tl (351.923 nm)	19.22	-0.0164 u (ppm)	-46.9736
5/10/2019 22:03:51	R1904024-005	V (292.401 nm)	0.25	0.1935 (ppm)	5864.0983
5/10/2019 22:03:51	R1904024-005	Y (360.074 nm)	0.63	1.02 (Ratio)	1159523.87
5/10/2019 22:03:51	R1904024-005	Y_R (360.074 nm)	0.63	1.02 (Ratio)	1163145.82
5/10/2019 22:03:51	R1904024-005	Zn (213.857 nm)	0.23	0.6563 (ppm)	20663.9573
5/10/2019 22:07:10	R1904026-002	Ag (328.068 nm)	12.11	-0.0011 u (ppm)	-130.8561
5/10/2019 22:07:10	R1904026-002	Al (394.401 nm)	0.23	57.0937 o (ppm)	921096.8319
5/10/2019 22:07:10	R1904026-002	As (188.980 nm)	5.21	0.0285 (ppm)	17.3399
5/10/2019 22:07:10	R1904026-002	B (249.772 nm)	0.46	0.0745 (ppm)	2879.5167
5/10/2019 22:07:10	R1904026-002	Ba (230.424 nm)	0.29	0.1700 (ppm)	7712.5935
5/10/2019 22:07:10	R1904026-002	Be (313.107 nm)	0.44	0.0024 (ppm)	2717.8971
5/10/2019 22:07:10	R1904026-002	Ca (227.547 nm)	3.30	2.5736 (ppm)	148.3705
5/10/2019 22:07:10	R1904026-002	Cd (214.439 nm)	8.02	0.0025 (ppm)	58.3875
5/10/2019 22:07:10	R1904026-002	Co (230.786 nm)	1.43	0.0391 (ppm)	461.4796
5/10/2019 22:07:10	R1904026-002	Cr (267.716 nm)	0.03	0.0713 (ppm)	2793.2035

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:07:10	R1904026-002	Cu (327.395 nm)	0.06	0.2166 (ppm)	13151.5585
5/10/2019 22:07:10	R1904026-002	Fe (234.350 nm)	0.09	117.4401 o (ppm)	1213008.4535
5/10/2019 22:07:10	R1904026-002	K (766.491 nm)	0.05	5.1150 (ppm)	16919.8360
5/10/2019 22:07:10	R1904026-002	Mg (279.078 nm)	0.25	27.2951 (ppm)	58520.5737
5/10/2019 22:07:10	R1904026-002	Mn (257.610 nm)	0.38	6.0379 o (ppm)	1811417.9262
5/10/2019 22:07:10	R1904026-002	Mo (202.032 nm)	28.87	0.0017 (ppm)	10.6464
5/10/2019 22:07:10	R1904026-002	Na (588.995 nm)	0.44	0.2320 (ppm)	573.4040
5/10/2019 22:07:10	R1904026-002	Ni (230.299 nm)	0.90	0.0863 (ppm)	809.9738
5/10/2019 22:07:10	R1904026-002	Pb (220.353 nm)	4.15	0.0341 (ppm)	93.1991
5/10/2019 22:07:10	R1904026-002	Sb (217.582 nm)	94.60	-0.0042 u (ppm)	-7.4966
5/10/2019 22:07:10	R1904026-002	Se (196.026 nm)	70.66	0.0076 (ppm)	2.9665
5/10/2019 22:07:10	R1904026-002	Sn (189.925 nm)	15.23	0.0114 (ppm)	6.9386
5/10/2019 22:07:10	R1904026-002	Sr (216.596 nm)	2.50	0.0324 (ppm)	311.7938
5/10/2019 22:07:10	R1904026-002	Ti (336.122 nm)	0.16	1.3311 (ppm)	312964.2003
5/10/2019 22:07:10	R1904026-002	Tl (351.923 nm)	21.84	-0.0105 u (ppm)	-30.4649
5/10/2019 22:07:10	R1904026-002	V (292.401 nm)	0.35	0.1262 (ppm)	3841.2976
5/10/2019 22:07:10	R1904026-002	Y (360.074 nm)	0.47	1.05 (Ratio)	1198178.41
5/10/2019 22:07:10	R1904026-002	Y_R (360.074 nm)	0.47	1.06 (Ratio)	1201998.50
5/10/2019 22:07:10	R1904026-002	Zn (213.857 nm)	0.40	0.2732 (ppm)	8596.2820
5/10/2019 22:10:29	R1904026-004	Ag (328.068 nm)	17.88	-0.0008 u (ppm)	-113.1437
5/10/2019 22:10:29	R1904026-004	Al (394.401 nm)	0.30	33.8151 o (ppm)	545689.9945
5/10/2019 22:10:29	R1904026-004	As (188.980 nm)	10.34	0.0159 (ppm)	9.7172
5/10/2019 22:10:29	R1904026-004	B (249.772 nm)	0.75	0.0498 (ppm)	1956.3618
5/10/2019 22:10:29	R1904026-004	Ba (230.424 nm)	0.41	0.1033 (ppm)	4693.8983
5/10/2019 22:10:29	R1904026-004	Be (313.107 nm)	0.20	0.0015 (ppm)	1659.7504
5/10/2019 22:10:29	R1904026-004	Ca (227.547 nm)	3.28	1.7384 (ppm)	100.6448
5/10/2019 22:10:29	R1904026-004	Cd (214.439 nm)	12.63	0.0015 (ppm)	37.6670
5/10/2019 22:10:29	R1904026-004	Co (230.786 nm)	1.56	0.0236 (ppm)	278.2931
5/10/2019 22:10:29	R1904026-004	Cr (267.716 nm)	0.49	0.0462 (ppm)	1812.6428
5/10/2019 22:10:29	R1904026-004	Cu (327.395 nm)	0.43	0.1390 (ppm)	8448.5835
5/10/2019 22:10:29	R1904026-004	Fe (234.350 nm)	0.39	76.3996 o (ppm)	789137.5912
5/10/2019 22:10:29	R1904026-004	K (766.491 nm)	0.20	3.8683 (ppm)	12802.5984
5/10/2019 22:10:29	R1904026-004	Mg (279.078 nm)	0.24	16.1389 (ppm)	34615.9837
5/10/2019 22:10:29	R1904026-004	Mn (257.610 nm)	0.16	3.4093 o (ppm)	1022845.1477
5/10/2019 22:10:29	R1904026-004	Mo (202.032 nm)	18.03	0.0014 (ppm)	9.4136
5/10/2019 22:10:29	R1904026-004	Na (588.995 nm)	0.78	0.1930 (ppm)	-1055.4131
5/10/2019 22:10:29	R1904026-004	Ni (230.299 nm)	0.40	0.0542 (ppm)	503.6361
5/10/2019 22:10:29	R1904026-004	Pb (220.353 nm)	3.68	0.0208 (ppm)	57.2035
5/10/2019 22:10:29	R1904026-004	Sb (217.582 nm)	59.32	-0.0023 u (ppm)	-5.4215
5/10/2019 22:10:29	R1904026-004	Se (196.026 nm)	53.48	0.0067 (ppm)	2.5411
5/10/2019 22:10:29	R1904026-004	Sn (189.925 nm)	16.59	0.0113 (ppm)	6.8604
5/10/2019 22:10:29	R1904026-004	Sr (216.596 nm)	0.16	0.0225 (ppm)	216.1046
5/10/2019 22:10:29	R1904026-004	Ti (336.122 nm)	0.11	0.7042 (ppm)	165533.1328
5/10/2019 22:10:29	R1904026-004	Tl (351.923 nm)	10.32	-0.0076 u (ppm)	-22.2684
5/10/2019 22:10:29	R1904026-004	V (292.401 nm)	0.32	0.0824 (ppm)	2524.2472
5/10/2019 22:10:29	R1904026-004	Y (360.074 nm)	0.47	1.06 (Ratio)	1206525.12
5/10/2019 22:10:29	R1904026-004	Y_R (360.074 nm)	0.48	1.07 (Ratio)	1210740.71
5/10/2019 22:10:29	R1904026-004	Zn (213.857 nm)	0.42	0.1611 (ppm)	5064.2932
5/10/2019 22:13:48	R1904026-006	Ag (328.068 nm)	3.60	-0.0011 u (ppm)	-126.8374
5/10/2019 22:13:48	R1904026-006	Al (394.401 nm)	0.16	53.5668 o (ppm)	864218.6496
5/10/2019 22:13:48	R1904026-006	As (188.980 nm)	9.03	0.0222 (ppm)	13.5307

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:13:48	R1904026-006	B (249.772 nm)	0.40	0.0690 (ppm)	2671.8302
5/10/2019 22:13:48	R1904026-006	Ba (230.424 nm)	0.51	0.1323 (ppm)	6006.3530
5/10/2019 22:13:48	R1904026-006	Be (313.107 nm)	0.22	0.0021 (ppm)	2367.8968
5/10/2019 22:13:48	R1904026-006	Ca (227.547 nm)	2.52	1.9635 (ppm)	113.5083
5/10/2019 22:13:48	R1904026-006	Cd (214.439 nm)	5.10	0.0023 (ppm)	54.1681
5/10/2019 22:13:48	R1904026-006	Co (230.786 nm)	3.06	0.0306 (ppm)	360.7335
5/10/2019 22:13:48	R1904026-006	Cr (267.716 nm)	0.44	0.0621 (ppm)	2433.9656
5/10/2019 22:13:48	R1904026-006	Cu (327.395 nm)	0.17	0.2066 (ppm)	12547.3712
5/10/2019 22:13:48	R1904026-006	Fe (234.350 nm)	0.39	107.2051 o (ppm)	1107300.0815
5/10/2019 22:13:48	R1904026-006	K (766.491 nm)	0.25	4.4145 (ppm)	14606.3962
5/10/2019 22:13:48	R1904026-006	Mg (279.078 nm)	0.31	22.9905 (ppm)	49297.0577
5/10/2019 22:13:48	R1904026-006	Mn (257.610 nm)	0.19	4.5959 o (ppm)	1378836.9115
5/10/2019 22:13:48	R1904026-006	Mo (202.032 nm)	17.58	0.0017 (ppm)	10.9702
5/10/2019 22:13:48	R1904026-006	Na (588.995 nm)	0.27	0.2127 (ppm)	-231.7062
5/10/2019 22:13:48	R1904026-006	Ni (230.299 nm)	0.89	0.0758 (ppm)	709.3055
5/10/2019 22:13:48	R1904026-006	Pb (220.353 nm)	4.00	0.0287 (ppm)	78.4897
5/10/2019 22:13:48	R1904026-006	Sb (217.582 nm)	> 100.00	-0.0030 u (ppm)	-6.1951
5/10/2019 22:13:48	R1904026-006	Se (196.026 nm)	33.00	0.0088 (ppm)	3.4555
5/10/2019 22:13:48	R1904026-006	Sn (189.925 nm)	16.06	0.0124 (ppm)	7.6238
5/10/2019 22:13:48	R1904026-006	Sr (216.596 nm)	1.01	0.0264 (ppm)	253.8554
5/10/2019 22:13:48	R1904026-006	Ti (336.122 nm)	0.10	0.8105 (ppm)	190536.2069
5/10/2019 22:13:48	R1904026-006	Tl (351.923 nm)	17.14	-0.0078 u (ppm)	-22.7446
5/10/2019 22:13:48	R1904026-006	V (292.401 nm)	0.17	0.1153 (ppm)	3513.3608
5/10/2019 22:13:48	R1904026-006	Y (360.074 nm)	0.60	1.05 (Ratio)	1193044.15
5/10/2019 22:13:48	R1904026-006	Y_R (360.074 nm)	0.60	1.05 (Ratio)	1197103.92
5/10/2019 22:13:48	R1904026-006	Zn (213.857 nm)	0.26	0.2305 (ppm)	7252.0379
5/10/2019 22:17:07	R1904026-008	Ag (328.068 nm)	1.57	-0.0011 u (ppm)	-128.9526
5/10/2019 22:17:07	R1904026-008	Al (394.401 nm)	0.11	55.8042 o (ppm)	900300.7237
5/10/2019 22:17:07	R1904026-008	As (188.980 nm)	13.23	0.0237 (ppm)	14.4629
5/10/2019 22:17:07	R1904026-008	B (249.772 nm)	0.32	0.0666 (ppm)	2583.6084
5/10/2019 22:17:07	R1904026-008	Ba (230.424 nm)	0.75	0.1922 (ppm)	8715.1958
5/10/2019 22:17:07	R1904026-008	Be (313.107 nm)	0.41	0.0021 (ppm)	2406.4846
5/10/2019 22:17:07	R1904026-008	Ca (227.547 nm)	1.80	2.1073 (ppm)	121.7206
5/10/2019 22:17:07	R1904026-008	Cd (214.439 nm)	1.38	0.0024 (ppm)	56.7320
5/10/2019 22:17:07	R1904026-008	Co (230.786 nm)	0.55	0.0369 (ppm)	435.9786
5/10/2019 22:17:07	R1904026-008	Cr (267.716 nm)	0.34	0.0627 (ppm)	2458.4967
5/10/2019 22:17:07	R1904026-008	Cu (327.395 nm)	0.07	0.1716 (ppm)	10422.9015
5/10/2019 22:17:07	R1904026-008	Fe (234.350 nm)	0.28	104.5248 o (ppm)	1079617.3570
5/10/2019 22:17:07	R1904026-008	K (766.491 nm)	0.08	3.9237 (ppm)	12985.7171
5/10/2019 22:17:07	R1904026-008	Mg (279.078 nm)	0.16	24.2746 (ppm)	52048.6053
5/10/2019 22:17:07	R1904026-008	Mn (257.610 nm)	0.41	5.3791 o (ppm)	1613782.1940
5/10/2019 22:17:07	R1904026-008	Mo (202.032 nm)	8.43	0.0021 (ppm)	12.8452
5/10/2019 22:17:07	R1904026-008	Na (588.995 nm)	0.44	0.2042 (ppm)	-585.9260
5/10/2019 22:17:07	R1904026-008	Ni (230.299 nm)	0.87	0.0666 (ppm)	622.3000
5/10/2019 22:17:07	R1904026-008	Pb (220.353 nm)	3.41	0.0431 (ppm)	117.8203
5/10/2019 22:17:07	R1904026-008	Sb (217.582 nm)	> 100.00	-0.0033 u (ppm)	-6.4554
5/10/2019 22:17:07	R1904026-008	Se (196.026 nm)	> 100.00	0.0028 (ppm)	0.8505
5/10/2019 22:17:07	R1904026-008	Sn (189.925 nm)	10.89	0.0124 (ppm)	7.6395
5/10/2019 22:17:07	R1904026-008	Sr (216.596 nm)	0.94	0.0263 (ppm)	252.9178
5/10/2019 22:17:07	R1904026-008	Ti (336.122 nm)	0.08	1.0544 (ppm)	247897.9372
5/10/2019 22:17:07	R1904026-008	Tl (351.923 nm)	14.60	-0.0085 u (ppm)	-24.6599

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:17:07	R1904026-008	V (292.401 nm)	0.18	0.1164 (ppm)	3545.9346
5/10/2019 22:17:07	R1904026-008	Y (360.074 nm)	0.61	1.05 (Ratio)	1190033.85
5/10/2019 22:17:07	R1904026-008	Y_R (360.074 nm)	0.61	1.05 (Ratio)	1194084.84
5/10/2019 22:17:07	R1904026-008	Zn (213.857 nm)	0.89	0.2449 (ppm)	7706.3124
5/10/2019 22:20:26	R1904026-010	Ag (328.068 nm)	3.89	-0.0009 u (ppm)	-119.1082
5/10/2019 22:20:26	R1904026-010	Al (394.401 nm)	0.10	53.3004 o (ppm)	859922.7257
5/10/2019 22:20:26	R1904026-010	As (188.980 nm)	5.97	0.0248 (ppm)	15.1201
5/10/2019 22:20:26	R1904026-010	B (249.772 nm)	0.15	0.0602 (ppm)	2344.9340
5/10/2019 22:20:26	R1904026-010	Ba (230.424 nm)	0.38	0.1467 (ppm)	6657.8500
5/10/2019 22:20:26	R1904026-010	Be (313.107 nm)	0.56	0.0020 (ppm)	2227.4954
5/10/2019 22:20:26	R1904026-010	Ca (227.547 nm)	1.24	4.2768 (ppm)	245.6935
5/10/2019 22:20:26	R1904026-010	Cd (214.439 nm)	10.61	0.0022 (ppm)	52.0619
5/10/2019 22:20:26	R1904026-010	Co (230.786 nm)	0.94	0.0313 (ppm)	369.6489
5/10/2019 22:20:26	R1904026-010	Cr (267.716 nm)	0.11	0.0611 (ppm)	2395.8229
5/10/2019 22:20:26	R1904026-010	Cu (327.395 nm)	0.69	0.1542 (ppm)	9368.5760
5/10/2019 22:20:26	R1904026-010	Fe (234.350 nm)	0.36	96.1492 o (ppm)	993113.9470
5/10/2019 22:20:26	R1904026-010	K (766.491 nm)	0.14	3.7848 (ppm)	12526.7683
5/10/2019 22:20:26	R1904026-010	Mg (279.078 nm)	0.21	22.4323 (ppm)	48100.9709
5/10/2019 22:20:26	R1904026-010	Mn (257.610 nm)	0.40	3.7001 o (ppm)	1110094.9020
5/10/2019 22:20:26	R1904026-010	Mo (202.032 nm)	11.78	0.0016 (ppm)	10.6063
5/10/2019 22:20:26	R1904026-010	Na (588.995 nm)	0.91	0.2233 (ppm)	208.6706
5/10/2019 22:20:26	R1904026-010	Ni (230.299 nm)	1.08	0.0779 (ppm)	729.6377
5/10/2019 22:20:26	R1904026-010	Pb (220.353 nm)	4.28	0.0269 (ppm)	73.6235
5/10/2019 22:20:26	R1904026-010	Sb (217.582 nm)	> 100.00	-0.0020 u (ppm)	-5.0834
5/10/2019 22:20:26	R1904026-010	Se (196.026 nm)	14.03	0.0097 (ppm)	3.8476
5/10/2019 22:20:26	R1904026-010	Sn (189.925 nm)	20.91	0.0136 (ppm)	8.4122
5/10/2019 22:20:26	R1904026-010	Sr (216.596 nm)	0.66	0.0321 (ppm)	308.1414
5/10/2019 22:20:26	R1904026-010	Ti (336.122 nm)	0.21	0.7703 (ppm)	181063.3761
5/10/2019 22:20:26	R1904026-010	Tl (351.923 nm)	14.10	-0.0103 u (ppm)	-29.8374
5/10/2019 22:20:26	R1904026-010	V (292.401 nm)	0.15	0.1034 (ppm)	3156.9581
5/10/2019 22:20:26	R1904026-010	Y (360.074 nm)	0.69	1.06 (Ratio)	1203848.94
5/10/2019 22:20:26	R1904026-010	Y_R (360.074 nm)	0.69	1.06 (Ratio)	1207899.25
5/10/2019 22:20:26	R1904026-010	Zn (213.857 nm)	0.16	0.2149 (ppm)	6760.3388
5/10/2019 22:23:45	R1904038-001	Ag (328.068 nm)	0.42	0.0096 (ppm)	562.6414
5/10/2019 22:23:45	R1904038-001	Al (394.401 nm)	0.23	11.5043 (ppm)	185892.1311
5/10/2019 22:23:45	R1904038-001	As (188.980 nm)	46.69	0.0110 (ppm)	6.7570
5/10/2019 22:23:45	R1904038-001	B (249.772 nm)	0.45	0.0872 (ppm)	3351.6112
5/10/2019 22:23:45	R1904038-001	Ba (230.424 nm)	0.06	1.4311 (ppm)	64783.0662
5/10/2019 22:23:45	R1904038-001	Be (313.107 nm)	3.98	0.0002 (ppm)	-40.8070
5/10/2019 22:23:45	R1904038-001	Ca (227.547 nm)	0.16	68.7547 o (ppm)	3930.1380
5/10/2019 22:23:45	R1904038-001	Cd (214.439 nm)	9.45	0.0035 (ppm)	76.9781
5/10/2019 22:23:45	R1904038-001	Co (230.786 nm)	4.79	0.0058 (ppm)	66.9385
5/10/2019 22:23:45	R1904038-001	Cr (267.716 nm)	0.26	0.1468 (ppm)	5736.5207
5/10/2019 22:23:45	R1904038-001	Cu (327.395 nm)	0.29	1.0071 (ppm)	61074.2960
5/10/2019 22:23:45	R1904038-001	Fe (234.350 nm)	0.31	74.6364 o (ppm)	770926.5732
5/10/2019 22:23:45	R1904038-001	K (766.491 nm)	0.16	2.1362 (ppm)	7082.3508
5/10/2019 22:23:45	R1904038-001	Mg (279.078 nm)	0.26	10.5013 (ppm)	22535.9971
5/10/2019 22:23:45	R1904038-001	Mn (257.610 nm)	0.37	1.0925 (ppm)	327789.5349
5/10/2019 22:23:45	R1904038-001	Mo (202.032 nm)	2.08	0.0173 (ppm)	94.6695
5/10/2019 22:23:45	R1904038-001	Na (588.995 nm)	0.07	2.9790 (ppm)	115304.5144
5/10/2019 22:23:45	R1904038-001	Ni (230.299 nm)	1.95	0.0217 (ppm)	194.7038

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:23:45	R1904038-001	Pb (220.353 nm)	1.09	0.0849 (ppm)	231.6276
5/10/2019 22:23:45	R1904038-001	Sb (217.582 nm)	> 100.00	0.0018 u (ppm)	-1.0440
5/10/2019 22:23:45	R1904038-001	Se (196.026 nm)	9.18	0.0121 (ppm)	4.9275
5/10/2019 22:23:45	R1904038-001	Sn (189.925 nm)	2.02	0.0865 (ppm)	58.3247
5/10/2019 22:23:45	R1904038-001	Sr (216.596 nm)	0.44	0.5633 (ppm)	5430.0976
5/10/2019 22:23:45	R1904038-001	Ti (336.122 nm)	0.27	0.1040 (ppm)	24361.3684
5/10/2019 22:23:45	R1904038-001	Ti (351.923 nm)	> 100.00	0.0010 u (ppm)	1.8044
5/10/2019 22:23:45	R1904038-001	V (292.401 nm)	0.31	0.0159 (ppm)	526.9138
5/10/2019 22:23:45	R1904038-001	Y (360.074 nm)	0.30	1.02 (Ratio)	1164337.83
5/10/2019 22:23:45	R1904038-001	Y_R (360.074 nm)	0.30	1.03 (Ratio)	1168247.35
5/10/2019 22:23:45	R1904038-001	Zn (213.857 nm)	0.45	1.5999 (ppm)	50384.5204
5/10/2019 22:27:04	R1904024-001 10X	Ag (328.068 nm)	48.00	-0.0003 u (ppm)	-78.2322
5/10/2019 22:27:04	R1904024-001 10X	Al (394.401 nm)	0.30	7.8659 (ppm)	127217.7460
5/10/2019 22:27:04	R1904024-001 10X	As (188.980 nm)	39.06	0.0061 (ppm)	3.8178
5/10/2019 22:27:04	R1904024-001 10X	B (249.772 nm)	2.15	0.0118 (ppm)	538.9709
5/10/2019 22:27:04	R1904024-001 10X	Ba (230.424 nm)	0.02	0.0648 (ppm)	2952.6263
5/10/2019 22:27:04	R1904024-001 10X	Be (313.107 nm)	1.37	0.0004 (ppm)	172.0775
5/10/2019 22:27:04	R1904024-001 10X	Ca (227.547 nm)	2.68	1.1590 (ppm)	67.5365
5/10/2019 22:27:04	R1904024-001 10X	Cd (214.439 nm)	28.35	0.0004 (ppm)	15.8263
5/10/2019 22:27:04	R1904024-001 10X	Co (230.786 nm)	4.42	0.0089 (ppm)	102.8639
5/10/2019 22:27:04	R1904024-001 10X	Cr (267.716 nm)	0.93	0.0120 (ppm)	479.4739
5/10/2019 22:27:04	R1904024-001 10X	Cu (327.395 nm)	0.93	0.0116 (ppm)	728.9182
5/10/2019 22:27:04	R1904024-001 10X	Fe (234.350 nm)	0.24	20.1420 u (ppm)	208101.9216
5/10/2019 22:27:04	R1904024-001 10X	K (766.491 nm)	1.11	0.6753 (ppm)	2257.7083
5/10/2019 22:27:04	R1904024-001 10X	Mg (279.078 nm)	0.38	3.1536 (ppm)	6791.7834
5/10/2019 22:27:04	R1904024-001 10X	Mn (257.610 nm)	0.36	0.3294 (ppm)	98870.7825
5/10/2019 22:27:04	R1904024-001 10X	Mo (202.032 nm)	> 100.00	0.0003 u (ppm)	3.4813
5/10/2019 22:27:04	R1904024-001 10X	Na (588.995 nm)	1.64	0.0588 (ppm)	-6659.6408
5/10/2019 22:27:04	R1904024-001 10X	Ni (230.299 nm)	5.66	0.0182 (ppm)	161.1301
5/10/2019 22:27:04	R1904024-001 10X	Pb (220.353 nm)	12.93	0.0090 (ppm)	24.9219
5/10/2019 22:27:04	R1904024-001 10X	Sb (217.582 nm)	> 100.00	0.0001 u (ppm)	-2.8629
5/10/2019 22:27:04	R1904024-001 10X	Se (196.026 nm)	> 100.00	0.0012 u (ppm)	0.1179
5/10/2019 22:27:04	R1904024-001 10X	Sn (189.925 nm)	17.25	0.0024 (ppm)	0.7266
5/10/2019 22:27:04	R1904024-001 10X	Sr (216.596 nm)	1.63	0.0104 (ppm)	99.1670
5/10/2019 22:27:04	R1904024-001 10X	Ti (336.122 nm)	0.51	0.0415 (ppm)	9647.6757
5/10/2019 22:27:04	R1904024-001 10X	Ti (351.923 nm)	82.59	-0.0036 u (ppm)	-11.0701
5/10/2019 22:27:04	R1904024-001 10X	V (292.401 nm)	0.45	0.0137 (ppm)	460.0306
5/10/2019 22:27:04	R1904024-001 10X	Y (360.074 nm)	0.42	1.06 (Ratio)	1201017.37
5/10/2019 22:27:04	R1904024-001 10X	Y_R (360.074 nm)	0.42	1.06 (Ratio)	1205245.20
5/10/2019 22:27:04	R1904024-001 10X	Zn (213.857 nm)	0.53	0.0496 (ppm)	1554.3491
5/10/2019 22:30:23	R1904024-001S 10X	Ag (328.068 nm)	1.04	0.0047 (ppm)	246.3954
5/10/2019 22:30:23	R1904024-001S 10X	Al (394.401 nm)	0.10	8.2910 (ppm)	134073.2132
5/10/2019 22:30:23	R1904024-001S 10X	As (188.980 nm)	13.73	0.0123 (ppm)	7.5309
5/10/2019 22:30:23	R1904024-001S 10X	B (249.772 nm)	0.28	0.0978 (ppm)	3745.8367
5/10/2019 22:30:23	R1904024-001S 10X	Ba (230.424 nm)	0.24	0.2712 (ppm)	12294.3468
5/10/2019 22:30:23	R1904024-001S 10X	Be (313.107 nm)	0.29	0.0051 (ppm)	6119.5808
5/10/2019 22:30:23	R1904024-001S 10X	Ca (227.547 nm)	0.91	1.4510 (ppm)	84.2212
5/10/2019 22:30:23	R1904024-001S 10X	Cd (214.439 nm)	3.18	0.0050 (ppm)	107.4204
5/10/2019 22:30:23	R1904024-001S 10X	Co (230.786 nm)	0.64	0.0594 (ppm)	703.5381
5/10/2019 22:30:23	R1904024-001S 10X	Cr (267.716 nm)	0.99	0.0326 (ppm)	1282.0428
5/10/2019 22:30:23	R1904024-001S 10X	Cu (327.395 nm)	0.77	0.0421 (ppm)	2576.5051

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:30:23	R1904024-001S 10X	Fe (234.350 nm)	0.26	20.4399 (ppm)	211178.7127
5/10/2019 22:30:23	R1904024-001S 10X	K (766.491 nm)	0.38	2.2712 (ppm)	7528.1056
5/10/2019 22:30:23	R1904024-001S 10X	Mg (279.078 nm)	0.26	3.4302 (ppm)	7384.4845
5/10/2019 22:30:23	R1904024-001S 10X	Mn (257.610 nm)	0.21	0.3953 (ppm)	118647.2541
5/10/2019 22:30:23	R1904024-001S 10X	Mo (202.032 nm)	1.07	0.0471 (ppm)	254.4530
5/10/2019 22:30:23	R1904024-001S 10X	Na (588.995 nm)	0.31	1.9765 (ppm)	73435.5689
5/10/2019 22:30:23	R1904024-001S 10X	Ni (230.299 nm)	0.61	0.0678 (ppm)	633.9807
5/10/2019 22:30:23	R1904024-001S 10X	Pb (220.353 nm)	0.61	0.0594 (ppm)	162.2864
5/10/2019 22:30:23	R1904024-001S 10X	Sb (217.582 nm)	2.17	0.0361 (ppm)	35.8923
5/10/2019 22:30:23	R1904024-001S 10X	Se (196.026 nm)	4.67	0.0996 (ppm)	43.4083
5/10/2019 22:30:23	R1904024-001S 10X	Sn (189.925 nm)	1.41	0.4912 (ppm)	335.5661
5/10/2019 22:30:23	R1904024-001S 10X	Sr (216.596 nm)	0.16	0.2151 (ppm)	2072.5647
5/10/2019 22:30:23	R1904024-001S 10X	Ti (336.122 nm)	0.06	0.0776 (ppm)	18142.4830
5/10/2019 22:30:23	R1904024-001S 10X	Ti (351.923 nm)	1.48	0.1826 (ppm)	510.9228
5/10/2019 22:30:23	R1904024-001S 10X	V (292.401 nm)	0.33	0.0620 (ppm)	1910.7387
5/10/2019 22:30:23	R1904024-001S 10X	Y (360.074 nm)	0.31	1.05 (Ratio)	1196121.51
5/10/2019 22:30:23	R1904024-001S 10X	Y_R (360.074 nm)	0.31	1.06 (Ratio)	1200276.81
5/10/2019 22:30:23	R1904024-001S 10X	Zn (213.857 nm)	0.50	0.0975 (ppm)	3062.1923
5/10/2019 22:33:42	R1904024-001SD 10X	Ag (328.068 nm)	1.45	0.0045 (ppm)	231.9919
5/10/2019 22:33:42	R1904024-001SD 10X	Al (394.401 nm)	0.24	8.9490 (ppm)	144684.1205
5/10/2019 22:33:42	R1904024-001SD 10X	As (188.980 nm)	24.18	0.0102 (ppm)	6.2905
5/10/2019 22:33:42	R1904024-001SD 10X	B (249.772 nm)	0.24	0.0979 (ppm)	3751.8376
5/10/2019 22:33:42	R1904024-001SD 10X	Ba (230.424 nm)	0.34	0.2714 (ppm)	12300.7519
5/10/2019 22:33:42	R1904024-001SD 10X	Be (313.107 nm)	0.20	0.0051 (ppm)	6102.0539
5/10/2019 22:33:42	R1904024-001SD 10X	Ca (227.547 nm)	0.40	1.4227 (ppm)	82.6010
5/10/2019 22:33:42	R1904024-001SD 10X	Cd (214.439 nm)	3.10	0.0051 (ppm)	110.2579
5/10/2019 22:33:42	R1904024-001SD 10X	Co (230.786 nm)	0.20	0.0593 (ppm)	701.4265
5/10/2019 22:33:42	R1904024-001SD 10X	Cr (267.716 nm)	0.36	0.0335 (ppm)	1318.0546
5/10/2019 22:33:42	R1904024-001SD 10X	Cu (327.395 nm)	0.45	0.0343 (ppm)	2105.6210
5/10/2019 22:33:42	R1904024-001SD 10X	Fe (234.350 nm)	0.21	22.9072 (ppm)	236660.7531
5/10/2019 22:33:42	R1904024-001SD 10X	K (766.491 nm)	0.40	2.2127 (ppm)	7334.9505
5/10/2019 22:33:42	R1904024-001SD 10X	Mg (279.078 nm)	0.27	3.7326 (ppm)	8032.4856
5/10/2019 22:33:42	R1904024-001SD 10X	Mn (257.610 nm)	0.06	0.3865 (ppm)	115992.3991
5/10/2019 22:33:42	R1904024-001SD 10X	Mo (202.032 nm)	0.34	0.0464 (ppm)	250.9825
5/10/2019 22:33:42	R1904024-001SD 10X	Na (588.995 nm)	0.53	1.9659 (ppm)	72991.8163
5/10/2019 22:33:42	R1904024-001SD 10X	Ni (230.299 nm)	0.76	0.0701 (ppm)	655.1710
5/10/2019 22:33:42	R1904024-001SD 10X	Pb (220.353 nm)	1.69	0.0584 (ppm)	159.5454
5/10/2019 22:33:42	R1904024-001SD 10X	Sb (217.582 nm)	6.00	0.0347 (ppm)	34.4319
5/10/2019 22:33:42	R1904024-001SD 10X	Se (196.026 nm)	2.90	0.0904 (ppm)	39.3527
5/10/2019 22:33:42	R1904024-001SD 10X	Sn (189.925 nm)	1.06	0.4809 (ppm)	328.4645
5/10/2019 22:33:42	R1904024-001SD 10X	Sr (216.596 nm)	0.17	0.2117 (ppm)	2039.6167
5/10/2019 22:33:42	R1904024-001SD 10X	Ti (336.122 nm)	0.56	0.0773 (ppm)	18081.5643
5/10/2019 22:33:42	R1904024-001SD 10X	Ti (351.923 nm)	0.04	0.1791 (ppm)	501.1143
5/10/2019 22:33:42	R1904024-001SD 10X	V (292.401 nm)	0.25	0.0620 (ppm)	1910.9946
5/10/2019 22:33:42	R1904024-001SD 10X	Y (360.074 nm)	0.52	1.05 (Ratio)	1194460.35
5/10/2019 22:33:42	R1904024-001SD 10X	Y_R (360.074 nm)	0.52	1.05 (Ratio)	1198611.86
5/10/2019 22:33:42	R1904024-001SD 10X	Zn (213.857 nm)	0.11	0.0993 (ppm)	3117.6751
5/10/2019 22:37:02	Continuing Calibration Verification1	Ag (328.068 nm)	0.09	0.4960 (ppm)	31908.7093
5/10/2019 22:37:02	Continuing Calibration Verification1	Al (394.401 nm)	0.25	9.2627 (ppm)	149742.0734
5/10/2019 22:37:02	Continuing Calibration Verification1	As (188.980 nm)	0.38	0.9617 (ppm)	580.5772
5/10/2019 22:37:02	Continuing Calibration Verification1	B (249.772 nm)	0.07	2.3199 (ppm)	86578.9178

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:37:02	Continuing Calibration Verification1	Ba (230.424 nm)	0.21	10.0763 (ppm)	456011.8672
5/10/2019 22:37:02	Continuing Calibration Verification1	Be (313.107 nm)	0.02	0.2457 (ppm)	308362.9298
5/10/2019 22:37:02	Continuing Calibration Verification1	Ca (227.547 nm)	0.41	23.2024 (ppm)	1327.1524
5/10/2019 22:37:02	Continuing Calibration Verification1	Cd (214.439 nm)	0.29	0.4817 (ppm)	9535.2795
5/10/2019 22:37:02	Continuing Calibration Verification1	Co (230.786 nm)	0.16	2.5486 (ppm)	30263.3225
5/10/2019 22:37:02	Continuing Calibration Verification1	Cr (267.716 nm)	0.08	0.4938 (ppm)	19268.0897
5/10/2019 22:37:02	Continuing Calibration Verification1	Cu (327.395 nm)	0.22	1.1540 (ppm)	69977.7050
5/10/2019 22:37:02	Continuing Calibration Verification1	Fe (234.350 nm)	0.05	4.7807 (ppm)	49448.5800
5/10/2019 22:37:02	Continuing Calibration Verification1	K (766.491 nm)	0.53	23.1887 (ppm)	76607.6561
5/10/2019 22:37:02	Continuing Calibration Verification1	Mg (279.078 nm)	0.06	24.6683 (ppm)	52891.9973
5/10/2019 22:37:02	Continuing Calibration Verification1	Mn (257.610 nm)	0.13	0.7332 (ppm)	220009.0742
5/10/2019 22:37:02	Continuing Calibration Verification1	Mo (202.032 nm)	0.17	2.3639 (ppm)	12691.0828
5/10/2019 22:37:02	Continuing Calibration Verification1	Na (588.995 nm)	0.91	24.2643 (ppm)	1004301.3299
5/10/2019 22:37:02	Continuing Calibration Verification1	Ni (230.299 nm)	0.20	1.9694 (ppm)	18740.4566
5/10/2019 22:37:02	Continuing Calibration Verification1	Pb (220.353 nm)	0.40	0.4922 (ppm)	1341.5584
5/10/2019 22:37:02	Continuing Calibration Verification1	Sb (217.582 nm)	0.20	4.6454 (ppm)	4997.2360
5/10/2019 22:37:02	Continuing Calibration Verification1	Se (196.026 nm)	1.03	0.4764 (ppm)	209.0665
5/10/2019 22:37:02	Continuing Calibration Verification1	Sn (189.925 nm)	0.18	4.8565 (ppm)	3325.2926
5/10/2019 22:37:02	Continuing Calibration Verification1	Sr (216.596 nm)	0.23	2.5085 (ppm)	24182.7294
5/10/2019 22:37:02	Continuing Calibration Verification1	Ti (336.122 nm)	0.04	2.4402 (ppm)	573830.2617
5/10/2019 22:37:02	Continuing Calibration Verification1	Tl (351.923 nm)	0.26	0.9804 (ppm)	2747.0985
5/10/2019 22:37:02	Continuing Calibration Verification1	V (292.401 nm)	0.05	2.4793 (ppm)	74570.6804
5/10/2019 22:37:02	Continuing Calibration Verification1	Y (360.074 nm)	0.51	1.01 (Ratio)	1148316.26
5/10/2019 22:37:02	Continuing Calibration Verification1	Y_R (360.074 nm)	0.51	1.01 (Ratio)	1152191.44
5/10/2019 22:37:02	Continuing Calibration Verification1	Zn (213.857 nm)	0.13	0.9524 (ppm)	29990.0841
5/10/2019 22:40:22	Continuing Calibration Blank1	Ag (328.068 nm)	27.80	-0.0003 u (ppm)	-75.4698
5/10/2019 22:40:22	Continuing Calibration Blank1	Al (394.401 nm)	1.54	-0.0069 u (ppm)	255.3085
5/10/2019 22:40:22	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0005 u (ppm)	-0.1932
5/10/2019 22:40:22	Continuing Calibration Blank1	B (249.772 nm)	44.01	-0.0005 u (ppm)	63.5274
5/10/2019 22:40:22	Continuing Calibration Blank1	Ba (230.424 nm)	11.90	0.0012 (ppm)	74.7056
5/10/2019 22:40:22	Continuing Calibration Blank1	Be (313.107 nm)	18.70	0.0000 (ppm)	-249.0792
5/10/2019 22:40:22	Continuing Calibration Blank1	Ca (227.547 nm)	70.27	0.0374 (ppm)	3.4450
5/10/2019 22:40:22	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	-0.0001 u (ppm)	6.8681
5/10/2019 22:40:22	Continuing Calibration Blank1	Co (230.786 nm)	86.52	0.0003 (ppm)	1.7243
5/10/2019 22:40:22	Continuing Calibration Blank1	Cr (267.716 nm)	> 100.00	0.0000 u (ppm)	12.5310
5/10/2019 22:40:22	Continuing Calibration Blank1	Cu (327.395 nm)	15.62	0.0001 (ppm)	30.8824
5/10/2019 22:40:22	Continuing Calibration Blank1	Fe (234.350 nm)	9.88	0.0072 (ppm)	147.5020
5/10/2019 22:40:22	Continuing Calibration Blank1	K (766.491 nm)	74.76	-0.0047 u (ppm)	12.0931
5/10/2019 22:40:22	Continuing Calibration Blank1	Mg (279.078 nm)	27.90	-0.0075 u (ppm)	18.5634
5/10/2019 22:40:22	Continuing Calibration Blank1	Mn (257.610 nm)	8.61	0.0004 (ppm)	153.6789
5/10/2019 22:40:22	Continuing Calibration Blank1	Mo (202.032 nm)	9.55	0.0038 (ppm)	22.1615
5/10/2019 22:40:22	Continuing Calibration Blank1	Na (588.995 nm)	4.63	0.0195 (ppm)	-8302.2102
5/10/2019 22:40:22	Continuing Calibration Blank1	Ni (230.299 nm)	20.56	0.0006 (ppm)	-6.7348
5/10/2019 22:40:22	Continuing Calibration Blank1	Pb (220.353 nm)	98.75	0.0011 u (ppm)	3.5310
5/10/2019 22:40:22	Continuing Calibration Blank1	Sb (217.582 nm)	57.85	0.0027 (ppm)	-0.0229
5/10/2019 22:40:22	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0018 u (ppm)	0.3787
5/10/2019 22:40:22	Continuing Calibration Blank1	Sn (189.925 nm)	69.81	0.0013 (ppm)	0.0299
5/10/2019 22:40:22	Continuing Calibration Blank1	Sr (216.596 nm)	53.10	0.0005 (ppm)	3.4288
5/10/2019 22:40:22	Continuing Calibration Blank1	Ti (336.122 nm)	21.52	0.0019 (ppm)	334.4863
5/10/2019 22:40:22	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	0.0001 u (ppm)	-0.6465
5/10/2019 22:40:22	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	0.0001 u (ppm)	49.9809

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:40:22	Continuing Calibration Blank1	Y (360.074 nm)	0.33	1.05 (Ratio)	1197256.04
5/10/2019 22:40:22	Continuing Calibration Blank1	Y_R (360.074 nm)	0.34	1.06 (Ratio)	1201469.62
5/10/2019 22:40:22	Continuing Calibration Blank1	Zn (213.857 nm)	17.41	0.0002 (ppm)	-1.5784
5/10/2019 22:43:41	R1904024-001A 10X	Ag (328.068 nm)	0.28	0.0472 (ppm)	2984.2373
5/10/2019 22:43:41	R1904024-001A 10X	Al (394.401 nm)	0.17	9.6849 (ppm)	156552.1838
5/10/2019 22:43:41	R1904024-001A 10X	As (188.980 nm)	6.74	0.0420 (ppm)	25.5123
5/10/2019 22:43:41	R1904024-001A 10X	B (249.772 nm)	0.20	0.9155 (ppm)	34227.3852
5/10/2019 22:43:41	R1904024-001A 10X	Ba (230.424 nm)	0.49	2.0371 (ppm)	92204.9670
5/10/2019 22:43:41	R1904024-001A 10X	Be (313.107 nm)	0.19	0.0467 (ppm)	58414.1065
5/10/2019 22:43:41	R1904024-001A 10X	Ca (227.547 nm)	1.97	2.8668 (ppm)	165.1222
5/10/2019 22:43:41	R1904024-001A 10X	Cd (214.439 nm)	1.08	0.0480 (ppm)	957.1242
5/10/2019 22:43:41	R1904024-001A 10X	Co (230.786 nm)	0.33	0.4995 (ppm)	5929.9366
5/10/2019 22:43:41	R1904024-001A 10X	Cr (267.716 nm)	0.34	0.2056 (ppm)	8029.5447
5/10/2019 22:43:41	R1904024-001A 10X	Cu (327.395 nm)	0.36	0.2373 (ppm)	14409.5739
5/10/2019 22:43:41	R1904024-001A 10X	Fe (234.350 nm)	0.23	20.3120 u (ppm)	209857.8702
5/10/2019 22:43:41	R1904024-001A 10X	K (766.491 nm)	0.27	18.0749 (ppm)	59719.5042
5/10/2019 22:43:41	R1904024-001A 10X	Mg (279.078 nm)	0.18	4.9172 (ppm)	10570.8216
5/10/2019 22:43:41	R1904024-001A 10X	Mn (257.610 nm)	0.27	0.7941 (ppm)	238289.6473
5/10/2019 22:43:41	R1904024-001A 10X	Mo (202.032 nm)	0.41	0.4595 (ppm)	2468.1410
5/10/2019 22:43:41	R1904024-001A 10X	Na (588.995 nm)	0.38	18.4012 (ppm)	759427.4678
5/10/2019 22:43:41	R1904024-001A 10X	Ni (230.299 nm)	0.33	0.5006 (ppm)	4754.3039
5/10/2019 22:43:41	R1904024-001A 10X	Pb (220.353 nm)	0.62	0.4944 (ppm)	1347.6177
5/10/2019 22:43:41	R1904024-001A 10X	Sb (217.582 nm)	0.89	0.4384 (ppm)	468.9270
5/10/2019 22:43:41	R1904024-001A 10X	Se (196.026 nm)	0.51	0.9809 (ppm)	430.8657
5/10/2019 22:43:41	R1904024-001A 10X	Sn (189.925 nm)	0.09	4.8279 (ppm)	3305.7258
5/10/2019 22:43:41	R1904024-001A 10X	Sr (216.596 nm)	0.39	2.1284 (ppm)	20518.7693
5/10/2019 22:43:41	R1904024-001A 10X	Ti (336.122 nm)	0.21	0.5093 (ppm)	119693.7231
5/10/2019 22:43:41	R1904024-001A 10X	Tl (351.923 nm)	0.32	1.8025 (ppm)	5051.3294
5/10/2019 22:43:41	R1904024-001A 10X	V (292.401 nm)	0.28	0.4839 (ppm)	14592.5535
5/10/2019 22:43:41	R1904024-001A 10X	Y (360.074 nm)	0.55	1.03 (Ratio)	1169835.86
5/10/2019 22:43:41	R1904024-001A 10X	Y_R (360.074 nm)	0.54	1.03 (Ratio)	1173756.15
5/10/2019 22:43:41	R1904024-001A 10X	Zn (213.857 nm)	0.26	0.5113 (ppm)	16095.8721
5/10/2019 22:47:01	R1904024-001L 10X	Ag (328.068 nm)	29.82	-0.0003 u (ppm)	-78.3895
5/10/2019 22:47:01	R1904024-001L 10X	Al (394.401 nm)	0.08	1.4938 (ppm)	24457.1711
5/10/2019 22:47:01	R1904024-001L 10X	As (188.980 nm)	> 100.00	-0.0010 u (ppm)	-0.4390
5/10/2019 22:47:01	R1904024-001L 10X	B (249.772 nm)	2.78	0.0027 (ppm)	201.9731
5/10/2019 22:47:01	R1904024-001L 10X	Ba (230.424 nm)	1.19	0.0126 (ppm)	590.7316
5/10/2019 22:47:01	R1904024-001L 10X	Be (313.107 nm)	13.26	0.0001 (ppm)	-198.7374
5/10/2019 22:47:01	R1904024-001L 10X	Ca (227.547 nm)	15.67	0.2751 (ppm)	17.0260
5/10/2019 22:47:01	R1904024-001L 10X	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	8.0218
5/10/2019 22:47:01	R1904024-001L 10X	Co (230.786 nm)	14.79	0.0019 (ppm)	20.1815
5/10/2019 22:47:01	R1904024-001L 10X	Cr (267.716 nm)	4.81	0.0023 (ppm)	103.0491
5/10/2019 22:47:01	R1904024-001L 10X	Cu (327.395 nm)	3.68	0.0021 (ppm)	149.4497
5/10/2019 22:47:01	R1904024-001L 10X	Fe (234.350 nm)	0.22	3.9623 (ppm)	40995.7322
5/10/2019 22:47:01	R1904024-001L 10X	K (766.491 nm)	1.32	0.1343 (ppm)	471.2928
5/10/2019 22:47:01	R1904024-001L 10X	Mg (279.078 nm)	0.27	0.6050 (ppm)	1330.8315
5/10/2019 22:47:01	R1904024-001L 10X	Mn (257.610 nm)	0.30	0.0650 (ppm)	19548.4011
5/10/2019 22:47:01	R1904024-001L 10X	Mo (202.032 nm)	54.25	0.0010 (ppm)	7.0565
5/10/2019 22:47:01	R1904024-001L 10X	Na (588.995 nm)	4.82	0.0261 (ppm)	-8025.0859
5/10/2019 22:47:01	R1904024-001L 10X	Ni (230.299 nm)	18.32	0.0037 (ppm)	22.8323
5/10/2019 22:47:01	R1904024-001L 10X	Pb (220.353 nm)	62.94	0.0017 (ppm)	5.1315

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:47:01	R1904024-001L 10X	Sb (217.582 nm)	37.24	0.0037 (ppm)	1.0776
5/10/2019 22:47:01	R1904024-001L 10X	Se (196.026 nm)	> 100.00	-0.0002 u (ppm)	-0.4752
5/10/2019 22:47:01	R1904024-001L 10X	Sn (189.925 nm)	> 100.00	0.0016 u (ppm)	0.2370
5/10/2019 22:47:01	R1904024-001L 10X	Sr (216.596 nm)	7.17	0.0024 (ppm)	22.0610
5/10/2019 22:47:01	R1904024-001L 10X	Ti (336.122 nm)	1.63	0.0085 (ppm)	1889.5575
5/10/2019 22:47:01	R1904024-001L 10X	Ti (351.923 nm)	> 100.00	-0.0008 u (ppm)	-3.1404
5/10/2019 22:47:01	R1904024-001L 10X	V (292.401 nm)	5.55	0.0024 (ppm)	120.8077
5/10/2019 22:47:01	R1904024-001L 10X	Y (360.074 nm)	0.40	1.06 (Ratio)	1200749.85
5/10/2019 22:47:01	R1904024-001L 10X	Y_R (360.074 nm)	0.40	1.06 (Ratio)	1205045.89
5/10/2019 22:47:01	R1904024-001L 10X	Zn (213.857 nm)	0.42	0.0104 (ppm)	319.7835
5/10/2019 22:50:22	R1904024-002 10X	Ag (328.068 nm)	23.96	-0.0004 u (ppm)	-86.0218
5/10/2019 22:50:22	R1904024-002 10X	Al (394.401 nm)	0.16	7.5000 (ppm)	121315.8117
5/10/2019 22:50:22	R1904024-002 10X	As (188.980 nm)	35.31	0.0080 (ppm)	4.9461
5/10/2019 22:50:22	R1904024-002 10X	B (249.772 nm)	0.64	0.0138 (ppm)	616.8663
5/10/2019 22:50:22	R1904024-002 10X	Ba (230.424 nm)	0.32	0.0617 (ppm)	2809.6332
5/10/2019 22:50:22	R1904024-002 10X	Be (313.107 nm)	2.99	0.0004 (ppm)	205.6879
5/10/2019 22:50:22	R1904024-002 10X	Ca (227.547 nm)	0.26	2.8628 (ppm)	164.8946
5/10/2019 22:50:22	R1904024-002 10X	Cd (214.439 nm)	19.47	0.0007 (ppm)	21.5850
5/10/2019 22:50:22	R1904024-002 10X	Co (230.786 nm)	6.34	0.0081 (ppm)	93.3810
5/10/2019 22:50:22	R1904024-002 10X	Cr (267.716 nm)	0.64	0.0111 (ppm)	444.8617
5/10/2019 22:50:22	R1904024-002 10X	Cu (327.395 nm)	0.44	0.0135 (ppm)	841.8719
5/10/2019 22:50:22	R1904024-002 10X	Fe (234.350 nm)	0.32	24.2001 o (ppm)	250014.6167
5/10/2019 22:50:22	R1904024-002 10X	K (766.491 nm)	1.86	0.5225 (ppm)	1753.1186
5/10/2019 22:50:22	R1904024-002 10X	Mg (279.078 nm)	0.19	3.1364 (ppm)	6754.9124
5/10/2019 22:50:22	R1904024-002 10X	Mn (257.610 nm)	0.21	0.7605 (ppm)	228196.0249
5/10/2019 22:50:22	R1904024-002 10X	Mo (202.032 nm)	69.75	0.0007 (ppm)	5.5662
5/10/2019 22:50:22	R1904024-002 10X	Na (588.995 nm)	4.76	0.0481 (ppm)	-7107.3712
5/10/2019 22:50:22	R1904024-002 10X	Ni (230.299 nm)	6.17	0.0176 (ppm)	155.8144
5/10/2019 22:50:22	R1904024-002 10X	Pb (220.353 nm)	11.53	0.0103 (ppm)	28.4356
5/10/2019 22:50:22	R1904024-002 10X	Sb (217.582 nm)	> 100.00	-0.0002 u (ppm)	-3.1870
5/10/2019 22:50:22	R1904024-002 10X	Se (196.026 nm)	> 100.00	0.0009 u (ppm)	0.0074
5/10/2019 22:50:22	R1904024-002 10X	Sn (189.925 nm)	> 100.00	0.0017 u (ppm)	0.2858
5/10/2019 22:50:22	R1904024-002 10X	Sr (216.596 nm)	2.14	0.0125 (ppm)	119.1268
5/10/2019 22:50:22	R1904024-002 10X	Ti (336.122 nm)	1.19	0.0235 (ppm)	5427.3124
5/10/2019 22:50:22	R1904024-002 10X	Ti (351.923 nm)	69.02	-0.0029 u (ppm)	-9.0674
5/10/2019 22:50:22	R1904024-002 10X	V (292.401 nm)	0.89	0.0146 (ppm)	487.0502
5/10/2019 22:50:22	R1904024-002 10X	Y (360.074 nm)	0.29	1.05 (Ratio)	1194165.80
5/10/2019 22:50:22	R1904024-002 10X	Y_R (360.074 nm)	0.29	1.05 (Ratio)	1198606.79
5/10/2019 22:50:22	R1904024-002 10X	Zn (213.857 nm)	0.11	0.0664 (ppm)	2084.2410
5/10/2019 22:53:40	R1904024-003 10X	Ag (328.068 nm)	10.22	-0.0004 u (ppm)	-84.2973
5/10/2019 22:53:40	R1904024-003 10X	Al (394.401 nm)	0.13	8.6465 (ppm)	139805.2302
5/10/2019 22:53:40	R1904024-003 10X	As (188.980 nm)	32.69	0.0044 (ppm)	2.8120
5/10/2019 22:53:40	R1904024-003 10X	B (249.772 nm)	1.22	0.0125 (ppm)	566.4324
5/10/2019 22:53:40	R1904024-003 10X	Ba (230.424 nm)	0.55	0.0800 (ppm)	3641.7719
5/10/2019 22:53:40	R1904024-003 10X	Be (313.107 nm)	1.39	0.0004 (ppm)	261.3299
5/10/2019 22:53:40	R1904024-003 10X	Ca (227.547 nm)	0.91	0.9582 (ppm)	56.0597
5/10/2019 22:53:40	R1904024-003 10X	Cd (214.439 nm)	38.79	0.0004 (ppm)	16.9761
5/10/2019 22:53:40	R1904024-003 10X	Co (230.786 nm)	5.45	0.0089 (ppm)	102.8967
5/10/2019 22:53:40	R1904024-003 10X	Cr (267.716 nm)	0.90	0.0125 (ppm)	500.3109
5/10/2019 22:53:40	R1904024-003 10X	Cu (327.395 nm)	0.58	0.0137 (ppm)	854.0595
5/10/2019 22:53:40	R1904024-003 10X	Fe (234.350 nm)	0.16	19.8219 o (ppm)	204795.8338

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 22:53:40	R1904024-003 10X	K (766.491 nm)	0.65	0.8674 (ppm)	2892.2988
5/10/2019 22:53:40	R1904024-003 10X	Mg (279.078 nm)	0.20	2.9155 (ppm)	6281.7140
5/10/2019 22:53:40	R1904024-003 10X	Mn (257.610 nm)	0.25	0.4836 (ppm)	145133.1581
5/10/2019 22:53:40	R1904024-003 10X	Mo (202.032 nm)	> 100.00	0.0003 u (ppm)	3.3567
5/10/2019 22:53:40	R1904024-003 10X	Na (588.995 nm)	1.20	0.0588 (ppm)	-6659.8576
5/10/2019 22:53:40	R1904024-003 10X	Ni (230.299 nm)	4.13	0.0187 (ppm)	165.7295
5/10/2019 22:53:40	R1904024-003 10X	Pb (220.353 nm)	1.01	0.0108 (ppm)	29.7879
5/10/2019 22:53:40	R1904024-003 10X	Sb (217.582 nm)	> 100.00	-0.0012 u (ppm)	-4.2571
5/10/2019 22:53:40	R1904024-003 10X	Se (196.026 nm)	94.82	0.0033 u (ppm)	1.0554
5/10/2019 22:53:40	R1904024-003 10X	Sn (189.925 nm)	> 100.00	0.0024 u (ppm)	0.7668
5/10/2019 22:53:40	R1904024-003 10X	Sr (216.596 nm)	2.61	0.0107 (ppm)	102.1016
5/10/2019 22:53:40	R1904024-003 10X	Ti (336.122 nm)	0.57	0.0407 (ppm)	9461.3893
5/10/2019 22:53:40	R1904024-003 10X	Ti (351.923 nm)	38.65	-0.0037 u (ppm)	-11.3065
5/10/2019 22:53:40	R1904024-003 10X	V (292.401 nm)	0.48	0.0137 (ppm)	461.3061
5/10/2019 22:53:40	R1904024-003 10X	Y (360.074 nm)	0.33	1.05 (Ratio)	1191910.73
5/10/2019 22:53:40	R1904024-003 10X	Y_R (360.074 nm)	0.33	1.05 (Ratio)	1196477.73
5/10/2019 22:53:40	R1904024-003 10X	Zn (213.857 nm)	0.85	0.0556 (ppm)	1744.0190
5/10/2019 22:56:59	R1904024-004 10X	Ag (328.068 nm)	27.26	-0.0004 u (ppm)	-84.5106
5/10/2019 22:56:59	R1904024-004 10X	Al (394.401 nm)	0.22	9.0705 (ppm)	146643.5880
5/10/2019 22:56:59	R1904024-004 10X	As (188.980 nm)	33.57	0.0080 (ppm)	4.9868
5/10/2019 22:56:59	R1904024-004 10X	B (249.772 nm)	1.26	0.0131 (ppm)	590.2131
5/10/2019 22:56:59	R1904024-004 10X	Ba (230.424 nm)	0.15	0.0639 (ppm)	2911.9122
5/10/2019 22:56:59	R1904024-004 10X	Be (313.107 nm)	2.26	0.0004 (ppm)	245.3959
5/10/2019 22:56:59	R1904024-004 10X	Ca (227.547 nm)	4.06	0.4930 (ppm)	29.4797
5/10/2019 22:56:59	R1904024-004 10X	Cd (214.439 nm)	32.72	0.0005 (ppm)	17.6258
5/10/2019 22:56:59	R1904024-004 10X	Co (230.786 nm)	2.62	0.0084 (ppm)	97.4138
5/10/2019 22:56:59	R1904024-004 10X	Cr (267.716 nm)	0.40	0.0128 (ppm)	513.3409
5/10/2019 22:56:59	R1904024-004 10X	Cu (327.395 nm)	0.27	0.0107 (ppm)	671.7807
5/10/2019 22:56:59	R1904024-004 10X	Fe (234.350 nm)	0.28	21.2205 u (ppm)	219241.3851
5/10/2019 22:56:59	R1904024-004 10X	K (766.491 nm)	0.51	0.7283 (ppm)	2432.9984
5/10/2019 22:56:59	R1904024-004 10X	Mg (279.078 nm)	0.48	2.7776 (ppm)	5986.3069
5/10/2019 22:56:59	R1904024-004 10X	Mn (257.610 nm)	0.32	0.2476 (ppm)	74334.3528
5/10/2019 22:56:59	R1904024-004 10X	Mo (202.032 nm)	> 100.00	0.0005 (ppm)	4.3544
5/10/2019 22:56:59	R1904024-004 10X	Na (588.995 nm)	3.91	0.0695 (ppm)	-6211.7063
5/10/2019 22:56:59	R1904024-004 10X	Ni (230.299 nm)	2.32	0.0162 (ppm)	142.3079
5/10/2019 22:56:59	R1904024-004 10X	Pb (220.353 nm)	5.09	0.0101 (ppm)	28.0137
5/10/2019 22:56:59	R1904024-004 10X	Sb (217.582 nm)	> 100.00	0.0016 u (ppm)	-1.1751
5/10/2019 22:56:59	R1904024-004 10X	Se (196.026 nm)	58.37	0.0029 (ppm)	0.8826
5/10/2019 22:56:59	R1904024-004 10X	Sn (189.925 nm)	> 100.00	0.0009 u (ppm)	-0.2439
5/10/2019 22:56:59	R1904024-004 10X	Sr (216.596 nm)	1.95	0.0073 (ppm)	69.8478
5/10/2019 22:56:59	R1904024-004 10X	Ti (336.122 nm)	0.66	0.0519 (ppm)	12092.7989
5/10/2019 22:56:59	R1904024-004 10X	Ti (351.923 nm)	45.39	-0.0038 u (ppm)	-11.6344
5/10/2019 22:56:59	R1904024-004 10X	V (292.401 nm)	2.02	0.0164 (ppm)	540.5728
5/10/2019 22:56:59	R1904024-004 10X	Y (360.074 nm)	0.30	1.05 (Ratio)	1198654.28
5/10/2019 22:56:59	R1904024-004 10X	Y_R (360.074 nm)	0.30	1.06 (Ratio)	1203235.67
5/10/2019 22:56:59	R1904024-004 10X	Zn (213.857 nm)	0.35	0.0494 (ppm)	1548.6572
5/10/2019 23:00:18	R1904024-005 10X	Ag (328.068 nm)	21.20	-0.0004 u (ppm)	-83.9613
5/10/2019 23:00:18	R1904024-005 10X	Al (394.401 nm)	0.12	11.6112 (ppm)	187616.7716
5/10/2019 23:00:18	R1904024-005 10X	As (188.980 nm)	38.49	0.0065 (ppm)	4.0665
5/10/2019 23:00:18	R1904024-005 10X	B (249.772 nm)	0.77	0.0156 (ppm)	681.5610
5/10/2019 23:00:18	R1904024-005 10X	Ba (230.424 nm)	0.69	0.1024 (ppm)	4653.2126

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:00:18	R1904024-005 10X	Be (313.107 nm)	0.53	0.0007 (ppm)	557.5735
5/10/2019 23:00:18	R1904024-005 10X	Ca (227.547 nm)	3.33	1.1432 (ppm)	66.6334
5/10/2019 23:00:18	R1904024-005 10X	Cd (214.439 nm)	5.10	0.0005 (ppm)	18.7865
5/10/2019 23:00:18	R1904024-005 10X	Co (230.786 nm)	6.26	0.0089 (ppm)	103.1601
5/10/2019 23:00:18	R1904024-005 10X	Cr (267.716 nm)	0.90	0.0129 (ppm)	517.4879
5/10/2019 23:00:18	R1904024-005 10X	Cu (327.395 nm)	1.82	0.0094 (ppm)	590.3665
5/10/2019 23:00:18	R1904024-005 10X	Fe (234.350 nm)	0.27	26.9282 o (ppm)	278190.3239
5/10/2019 23:00:18	R1904024-005 10X	K (766.491 nm)	0.68	0.9158 (ppm)	3052.0892
5/10/2019 23:00:18	R1904024-005 10X	Mg (279.078 nm)	0.24	2.4972 (ppm)	5385.4556
5/10/2019 23:00:18	R1904024-005 10X	Mn (257.610 nm)	0.25	1.1633 (ppm)	349042.8271
5/10/2019 23:00:18	R1904024-005 10X	Mo (202.032 nm)	86.46	0.0005 (ppm)	4.6025
5/10/2019 23:00:18	R1904024-005 10X	Na (588.995 nm)	0.55	0.0782 (ppm)	-5848.6934
5/10/2019 23:00:18	R1904024-005 10X	Ni (230.299 nm)	2.93	0.0181 (ppm)	160.2367
5/10/2019 23:00:18	R1904024-005 10X	Pb (220.353 nm)	9.28	0.0139 (ppm)	38.4082
5/10/2019 23:00:18	R1904024-005 10X	Sb (217.582 nm)	> 100.00	-0.0006 u (ppm)	-3.5364
5/10/2019 23:00:18	R1904024-005 10X	Se (196.026 nm)	52.29	0.0049 (ppm)	1.7447
5/10/2019 23:00:18	R1904024-005 10X	Sn (189.925 nm)	> 100.00	0.0002 u (ppm)	-0.7421
5/10/2019 23:00:18	R1904024-005 10X	Sr (216.596 nm)	3.18	0.0116 (ppm)	110.6333
5/10/2019 23:00:18	R1904024-005 10X	Tl (336.122 nm)	0.17	0.0396 (ppm)	9210.7856
5/10/2019 23:00:18	R1904024-005 10X	Tl (351.923 nm)	> 100.00	-0.0034 u (ppm)	-10.4275
5/10/2019 23:00:18	R1904024-005 10X	V (292.401 nm)	0.35	0.0182 (ppm)	593.8689
5/10/2019 23:00:18	R1904024-005 10X	Y (360.074 nm)	0.19	1.05 (Ratio)	1194026.61
5/10/2019 23:00:18	R1904024-005 10X	Y_R (360.074 nm)	0.19	1.05 (Ratio)	1198579.71
5/10/2019 23:00:18	R1904024-005 10X	Zn (213.857 nm)	0.65	0.0633 (ppm)	1986.0609
5/10/2019 23:03:37	R1904026-002 10X	Ag (328.068 nm)	25.76	-0.0005 u (ppm)	-88.3128
5/10/2019 23:03:37	R1904026-002 10X	Al (394.401 nm)	0.05	5.2914 (ppm)	85698.9854
5/10/2019 23:03:37	R1904026-002 10X	As (188.980 nm)	56.61	0.0016 (ppm)	1.0786
5/10/2019 23:03:37	R1904026-002 10X	B (249.772 nm)	1.79	0.0072 (ppm)	368.0082
5/10/2019 23:03:37	R1904026-002 10X	Ba (230.424 nm)	0.65	0.0169 (ppm)	784.8953
5/10/2019 23:03:37	R1904026-002 10X	Be (313.107 nm)	1.97	0.0002 (ppm)	-11.1504
5/10/2019 23:03:37	R1904026-002 10X	Ca (227.547 nm)	8.92	0.2510 (ppm)	15.6509
5/10/2019 23:03:37	R1904026-002 10X	Cd (214.439 nm)	52.21	0.0002 (ppm)	12.3494
5/10/2019 23:03:37	R1904026-002 10X	Co (230.786 nm)	2.89	0.0041 (ppm)	46.8393
5/10/2019 23:03:37	R1904026-002 10X	Cr (267.716 nm)	1.19	0.0070 (ppm)	287.0868
5/10/2019 23:03:37	R1904026-002 10X	Cu (327.395 nm)	1.12	0.0210 (ppm)	1297.6079
5/10/2019 23:03:37	R1904026-002 10X	Fe (234.350 nm)	0.34	12.5147 o (ppm)	129326.6552
5/10/2019 23:03:37	R1904026-002 10X	K (766.491 nm)	0.49	0.4489 (ppm)	1510.1924
5/10/2019 23:03:37	R1904026-002 10X	Mg (279.078 nm)	0.09	2.7472 (ppm)	5920.9666
5/10/2019 23:03:37	R1904026-002 10X	Mn (257.610 nm)	0.30	0.6277 (ppm)	188356.6895
5/10/2019 23:03:37	R1904026-002 10X	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.5941
5/10/2019 23:03:37	R1904026-002 10X	Na (588.995 nm)	6.70	0.0322 (ppm)	-7771.3169
5/10/2019 23:03:37	R1904026-002 10X	Ni (230.299 nm)	5.85	0.0087 (ppm)	70.5981
5/10/2019 23:03:37	R1904026-002 10X	Pb (220.353 nm)	33.08	0.0037 (ppm)	10.6240
5/10/2019 23:03:37	R1904026-002 10X	Sb (217.582 nm)	> 100.00	-0.0005 u (ppm)	-3.4845
5/10/2019 23:03:37	R1904026-002 10X	Se (196.026 nm)	57.57	0.0060 (ppm)	2.2230
5/10/2019 23:03:37	R1904026-002 10X	Sn (189.925 nm)	88.93	0.0016 (ppm)	0.2094
5/10/2019 23:03:37	R1904026-002 10X	Sr (216.596 nm)	0.65	0.0033 (ppm)	30.5177
5/10/2019 23:03:37	R1904026-002 10X	Tl (336.122 nm)	0.17	0.1310 (ppm)	30701.6858
5/10/2019 23:03:37	R1904026-002 10X	Tl (351.923 nm)	97.78	-0.0017 u (ppm)	-5.6773
5/10/2019 23:03:37	R1904026-002 10X	V (292.401 nm)	1.58	0.0120 (ppm)	408.4586
5/10/2019 23:03:37	R1904026-002 10X	Y (360.074 nm)	0.24	1.06 (Ratio)	1202711.44

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:03:37	R1904026-002 10X	Y_R (360.074 nm)	0.23	1.06 (Ratio)	1207344.48
5/10/2019 23:03:37	R1904026-002 10X	Zn (213.857 nm)	1.14	0.0276 (ppm)	859.6695
5/10/2019 23:06:56	R1904026-004 10X	Ag (328.068 nm)	11.20	-0.0004 u (ppm)	-84.6340
5/10/2019 23:06:56	R1904026-004 10X	Al (394.401 nm)	0.23	3.2166 (ppm)	52239.4601
5/10/2019 23:06:56	R1904026-004 10X	As (188.980 nm)	69.34	-0.0006 u (ppm)	-0.2437
5/10/2019 23:06:56	R1904026-004 10X	B (249.772 nm)	1.98	0.0046 (ppm)	270.7457
5/10/2019 23:06:56	R1904026-004 10X	Ba (230.424 nm)	1.28	0.0101 (ppm)	478.2697
5/10/2019 23:06:56	R1904026-004 10X	Be (313.107 nm)	4.91	0.0001 (ppm)	-112.4567
5/10/2019 23:06:56	R1904026-004 10X	Ca (227.547 nm)	20.11	0.1889 (ppm)	12.1023
5/10/2019 23:06:56	R1904026-004 10X	Cd (214.439 nm)	49.37	0.0001 (ppm)	10.4897
5/10/2019 23:06:56	R1904026-004 10X	Co (230.786 nm)	8.58	0.0023 (ppm)	25.3963
5/10/2019 23:06:56	R1904026-004 10X	Cr (267.716 nm)	0.74	0.0047 (ppm)	195.3458
5/10/2019 23:06:56	R1904026-004 10X	Cu (327.395 nm)	0.48	0.0133 (ppm)	831.2321
5/10/2019 23:06:56	R1904026-004 10X	Fe (234.350 nm)	0.40	8.0401 (ppm)	83111.8716
5/10/2019 23:06:56	R1904026-004 10X	K (766.491 nm)	1.26	0.3422 (ppm)	1157.8600
5/10/2019 23:06:56	R1904026-004 10X	Mg (279.078 nm)	0.34	1.6369 (ppm)	3542.0088
5/10/2019 23:06:56	R1904026-004 10X	Mn (257.610 nm)	0.46	0.3531 (ppm)	105989.9247
5/10/2019 23:06:56	R1904026-004 10X	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.8382
5/10/2019 23:06:56	R1904026-004 10X	Na (588.995 nm)	6.21	0.0286 (ppm)	-7920.6899
5/10/2019 23:06:56	R1904026-004 10X	Ni (230.299 nm)	6.66	0.0047 (ppm)	32.9657
5/10/2019 23:06:56	R1904026-004 10X	Pb (220.353 nm)	11.41	0.0029 (ppm)	8.2005
5/10/2019 23:06:56	R1904026-004 10X	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	-2.3653
5/10/2019 23:06:56	R1904026-004 10X	Se (196.026 nm)	> 100.00	-0.0009 u (ppm)	-0.8113
5/10/2019 23:06:56	R1904026-004 10X	Sn (189.925 nm)	71.67	0.0018 (ppm)	0.3226
5/10/2019 23:06:56	R1904026-004 10X	Sr (216.596 nm)	4.46	0.0025 (ppm)	23.5196
5/10/2019 23:06:56	R1904026-004 10X	Ti (336.122 nm)	0.40	0.0699 (ppm)	16335.4057
5/10/2019 23:06:56	R1904026-004 10X	Tl (351.923 nm)	61.81	-0.0009 u (ppm)	-3.4634
5/10/2019 23:06:56	R1904026-004 10X	V (292.401 nm)	0.92	0.0077 (ppm)	281.0845
5/10/2019 23:06:56	R1904026-004 10X	Y (360.074 nm)	0.30	1.06 (Ratio)	1203327.10
5/10/2019 23:06:56	R1904026-004 10X	Y_R (360.074 nm)	0.30	1.06 (Ratio)	1207927.22
5/10/2019 23:06:56	R1904026-004 10X	Zn (213.857 nm)	0.57	0.0165 (ppm)	510.3884
5/10/2019 23:10:15	R1904026-006 10X	Ag (328.068 nm)	18.32	-0.0003 u (ppm)	-80.6221
5/10/2019 23:10:15	R1904026-006 10X	Al (394.401 nm)	0.06	5.0698 (ppm)	82124.7746
5/10/2019 23:10:15	R1904026-006 10X	As (188.980 nm)	> 100.00	0.0033 u (ppm)	2.1308
5/10/2019 23:10:15	R1904026-006 10X	B (249.772 nm)	3.42	0.0068 (ppm)	354.3293
5/10/2019 23:10:15	R1904026-006 10X	Ba (230.424 nm)	0.52	0.0133 (ppm)	619.2717
5/10/2019 23:10:15	R1904026-006 10X	Be (313.107 nm)	2.77	0.0002 (ppm)	-41.1360
5/10/2019 23:10:15	R1904026-006 10X	Ca (227.547 nm)	26.72	0.2029 (ppm)	12.9013
5/10/2019 23:10:15	R1904026-006 10X	Cd (214.439 nm)	> 100.00	0.0001 u (ppm)	10.7673
5/10/2019 23:10:15	R1904026-006 10X	Co (230.786 nm)	8.97	0.0033 (ppm)	37.4915
5/10/2019 23:10:15	R1904026-006 10X	Cr (267.716 nm)	1.01	0.0064 (ppm)	261.3729
5/10/2019 23:10:15	R1904026-006 10X	Cu (327.395 nm)	0.79	0.0203 (ppm)	1254.1612
5/10/2019 23:10:15	R1904026-006 10X	Fe (234.350 nm)	0.18	11.5690 u (ppm)	119559.1583
5/10/2019 23:10:15	R1904026-006 10X	K (766.491 nm)	0.52	0.3921 (ppm)	1322.5256
5/10/2019 23:10:15	R1904026-006 10X	Mg (279.078 nm)	0.04	2.3524 (ppm)	5075.2068
5/10/2019 23:10:15	R1904026-006 10X	Mn (257.610 nm)	0.22	0.4843 (ppm)	145339.6041
5/10/2019 23:10:15	R1904026-006 10X	Mo (202.032 nm)	76.33	0.0002 (ppm)	2.5934
5/10/2019 23:10:15	R1904026-006 10X	Na (588.995 nm)	6.74	0.0276 (ppm)	-7963.1946
5/10/2019 23:10:15	R1904026-006 10X	Ni (230.299 nm)	9.80	0.0070 (ppm)	54.5084
5/10/2019 23:10:15	R1904026-006 10X	Pb (220.353 nm)	13.08	0.0033 (ppm)	9.5106
5/10/2019 23:10:15	R1904026-006 10X	Sb (217.582 nm)	> 100.00	0.0004 u (ppm)	-2.5034

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:10:15	R1904026-006 10X	Se (196.026 nm)	> 100.00	0.0067 u (ppm)	2.5660
5/10/2019 23:10:15	R1904026-006 10X	Sn (189.925 nm)	> 100.00	0.0013 u (ppm)	0.0297
5/10/2019 23:10:15	R1904026-006 10X	Sr (216.596 nm)	1.83	0.0025 (ppm)	23.2995
5/10/2019 23:10:15	R1904026-006 10X	Ti (336.122 nm)	0.26	0.0809 (ppm)	18917.7285
5/10/2019 23:10:15	R1904026-006 10X	Tl (351.923 nm)	> 100.00	0.0002 u (ppm)	-0.4948
5/10/2019 23:10:15	R1904026-006 10X	V (292.401 nm)	0.70	0.0113 (ppm)	388.4339
5/10/2019 23:10:15	R1904026-006 10X	Y (360.074 nm)	0.23	1.05 (Ratio)	1198634.10
5/10/2019 23:10:15	R1904026-006 10X	Y_R (360.074 nm)	0.23	1.06 (Ratio)	1203032.89
5/10/2019 23:10:15	R1904026-006 10X	Zn (213.857 nm)	1.35	0.0235 (ppm)	730.6113
5/10/2019 23:13:34	R1904026-008 10X	Ag (328.068 nm)	67.45	-0.0004 u (ppm)	-82.3150
5/10/2019 23:13:34	R1904026-008 10X	Al (394.401 nm)	0.15	5.1720 (ppm)	83774.2063
5/10/2019 23:13:34	R1904026-008 10X	As (188.980 nm)	69.45	0.0023 (ppm)	1.5099
5/10/2019 23:13:34	R1904026-008 10X	B (249.772 nm)	1.54	0.0061 (ppm)	327.6942
5/10/2019 23:13:34	R1904026-008 10X	Ba (230.424 nm)	1.14	0.0189 (ppm)	877.0577
5/10/2019 23:13:34	R1904026-008 10X	Be (313.107 nm)	1.22	0.0002 (ppm)	-33.6063
5/10/2019 23:13:34	R1904026-008 10X	Ca (227.547 nm)	35.81	0.1849 (ppm)	11.8736
5/10/2019 23:13:34	R1904026-008 10X	Cd (214.439 nm)	90.38	0.0002 u (ppm)	12.8288
5/10/2019 23:13:34	R1904026-008 10X	Co (230.786 nm)	4.79	0.0038 (ppm)	42.8966
5/10/2019 23:13:34	R1904026-008 10X	Cr (267.716 nm)	1.95	0.0062 (ppm)	253.1335
5/10/2019 23:13:34	R1904026-008 10X	Cu (327.395 nm)	0.71	0.0165 (ppm)	1024.3216
5/10/2019 23:13:34	R1904026-008 10X	Fe (234.350 nm)	0.29	11.0054 u (ppm)	113738.1120
5/10/2019 23:13:34	R1904026-008 10X	K (766.491 nm)	2.29	0.3337 (ppm)	1129.6439
5/10/2019 23:13:34	R1904026-008 10X	Mg (279.078 nm)	0.21	2.4331 (ppm)	5248.0182
5/10/2019 23:13:34	R1904026-008 10X	Mn (257.610 nm)	0.18	0.5553 (ppm)	166642.0584
5/10/2019 23:13:34	R1904026-008 10X	Mo (202.032 nm)	> 100.00	0.0000 u (ppm)	1.9138
5/10/2019 23:13:34	R1904026-008 10X	Na (588.995 nm)	3.10	0.0285 (ppm)	-7927.3444
5/10/2019 23:13:34	R1904026-008 10X	Ni (230.299 nm)	7.96	0.0067 (ppm)	52.1593
5/10/2019 23:13:34	R1904026-008 10X	Pb (220.353 nm)	12.78	0.0043 (ppm)	12.0221
5/10/2019 23:13:34	R1904026-008 10X	Sb (217.582 nm)	> 100.00	0.0005 u (ppm)	-2.4395
5/10/2019 23:13:34	R1904026-008 10X	Se (196.026 nm)	> 100.00	-0.0020 u (ppm)	-1.2831
5/10/2019 23:13:34	R1904026-008 10X	Sn (189.925 nm)	> 100.00	0.0011 u (ppm)	-0.1447
5/10/2019 23:13:34	R1904026-008 10X	Sr (216.596 nm)	10.17	0.0030 (ppm)	27.4863
5/10/2019 23:13:34	R1904026-008 10X	Ti (336.122 nm)	0.49	0.1033 (ppm)	24200.9800
5/10/2019 23:13:34	R1904026-008 10X	Tl (351.923 nm)	52.00	-0.0015 u (ppm)	-5.1141
5/10/2019 23:13:34	R1904026-008 10X	V (292.401 nm)	0.94	0.0110 (ppm)	377.9699
5/10/2019 23:13:34	R1904026-008 10X	Y (360.074 nm)	0.31	1.06 (Ratio)	1200084.28
5/10/2019 23:13:34	R1904026-008 10X	Y_R (360.074 nm)	0.31	1.06 (Ratio)	1204553.48
5/10/2019 23:13:34	R1904026-008 10X	Zn (213.857 nm)	1.36	0.0245 (ppm)	764.6706
5/10/2019 23:16:53	Continuing Calibration Verification1	Ag (328.068 nm)	0.21	0.4966 (ppm)	31944.6072
5/10/2019 23:16:53	Continuing Calibration Verification1	Al (394.401 nm)	0.02	9.2500 (ppm)	149537.7978
5/10/2019 23:16:53	Continuing Calibration Verification1	As (188.980 nm)	0.92	0.9572 (ppm)	577.8727
5/10/2019 23:16:53	Continuing Calibration Verification1	B (249.772 nm)	0.22	2.3231 (ppm)	86699.0778
5/10/2019 23:16:53	Continuing Calibration Verification1	Ba (230.424 nm)	0.33	10.0567 (ppm)	455126.8163
5/10/2019 23:16:53	Continuing Calibration Verification1	Be (313.107 nm)	0.39	0.2450 (ppm)	307395.6518
5/10/2019 23:16:53	Continuing Calibration Verification1	Ca (227.547 nm)	0.60	23.1888 (ppm)	1326.3759
5/10/2019 23:16:53	Continuing Calibration Verification1	Cd (214.439 nm)	0.12	0.4810 (ppm)	9522.0883
5/10/2019 23:16:53	Continuing Calibration Verification1	Co (230.786 nm)	0.13	2.5491 (ppm)	30269.7399
5/10/2019 23:16:53	Continuing Calibration Verification1	Cr (267.716 nm)	0.30	0.4950 (ppm)	19315.0918
5/10/2019 23:16:53	Continuing Calibration Verification1	Cu (327.395 nm)	0.11	1.1506 (ppm)	69773.2592
5/10/2019 23:16:53	Continuing Calibration Verification1	Fe (234.350 nm)	0.22	4.7843 (ppm)	49485.3966
5/10/2019 23:16:53	Continuing Calibration Verification1	K (766.491 nm)	0.36	23.1604 (ppm)	76514.4077

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:16:53	Continuing Calibration Verification1	Mg (279.078 nm)	0.15	24.7116 (ppm)	52984.8516
5/10/2019 23:16:53	Continuing Calibration Verification1	Mn (257.610 nm)	0.23	0.7357 (ppm)	220763.8566
5/10/2019 23:16:53	Continuing Calibration Verification1	Mo (202.032 nm)	0.46	2.3629 (ppm)	12685.9005
5/10/2019 23:16:53	Continuing Calibration Verification1	Na (588.995 nm)	0.37	24.1767 (ppm)	1000642.5898
5/10/2019 23:16:53	Continuing Calibration Verification1	Ni (230.299 nm)	0.18	1.9697 (ppm)	18742.9756
5/10/2019 23:16:53	Continuing Calibration Verification1	Pb (220.353 nm)	0.29	0.4963 (ppm)	1352.8710
5/10/2019 23:16:53	Continuing Calibration Verification1	Sb (217.582 nm)	0.07	4.6544 (ppm)	5006.9889
5/10/2019 23:16:53	Continuing Calibration Verification1	Se (196.026 nm)	1.48	0.4730 (ppm)	207.5547
5/10/2019 23:16:53	Continuing Calibration Verification1	Sn (189.925 nm)	0.06	4.8989 (ppm)	3354.3855
5/10/2019 23:16:53	Continuing Calibration Verification1	Sr (216.596 nm)	0.22	2.5152 (ppm)	24247.2477
5/10/2019 23:16:53	Continuing Calibration Verification1	Ti (336.122 nm)	0.15	2.4368 (ppm)	573037.1425
5/10/2019 23:16:53	Continuing Calibration Verification1	Tl (351.923 nm)	0.45	0.9793 (ppm)	2743.8078
5/10/2019 23:16:53	Continuing Calibration Verification1	V (292.401 nm)	0.17	2.4787 (ppm)	74552.9943
5/10/2019 23:16:53	Continuing Calibration Verification1	Y (360.074 nm)	0.35	1.01 (Ratio)	1147565.90
5/10/2019 23:16:53	Continuing Calibration Verification1	Y_R (360.074 nm)	0.35	1.01 (Ratio)	1151633.54
5/10/2019 23:16:53	Continuing Calibration Verification1	Zn (213.857 nm)	0.27	0.9525 (ppm)	29993.0403
5/10/2019 23:20:12	Continuing Calibration Blank1	Ag (328.068 nm)	28.03	-0.0003 u (ppm)	-77.5525
5/10/2019 23:20:12	Continuing Calibration Blank1	Al (394.401 nm)	11.52	-0.0081 u (ppm)	236.0109
5/10/2019 23:20:12	Continuing Calibration Blank1	As (188.980 nm)	66.88	0.0010 (ppm)	0.7181
5/10/2019 23:20:12	Continuing Calibration Blank1	B (249.772 nm)	23.81	-0.0006 u (ppm)	79.0809
5/10/2019 23:20:12	Continuing Calibration Blank1	Ba (230.424 nm)	7.90	0.0010 (ppm)	64.4135
5/10/2019 23:20:12	Continuing Calibration Blank1	Be (313.107 nm)	4.16	0.0000 (ppm)	-259.8134
5/10/2019 23:20:12	Continuing Calibration Blank1	Ca (227.547 nm)	61.24	0.0404 (ppm)	3.6177
5/10/2019 23:20:12	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	9.1558
5/10/2019 23:20:12	Continuing Calibration Blank1	Co (230.786 nm)	52.12	0.0003 (ppm)	1.0627
5/10/2019 23:20:12	Continuing Calibration Blank1	Cr (267.716 nm)	46.21	-0.0002 u (ppm)	6.5877
5/10/2019 23:20:12	Continuing Calibration Blank1	Cu (327.395 nm)	> 100.00	0.0001 u (ppm)	31.2773
5/10/2019 23:20:12	Continuing Calibration Blank1	Fe (234.350 nm)	13.59	0.0049 (ppm)	123.7103
5/10/2019 23:20:12	Continuing Calibration Blank1	K (766.491 nm)	> 100.00	-0.0079 u (ppm)	1.5856
5/10/2019 23:20:12	Continuing Calibration Blank1	Mg (279.078 nm)	16.40	-0.0088 u (ppm)	15.7318
5/10/2019 23:20:12	Continuing Calibration Blank1	Mn (257.610 nm)	13.36	0.0003 (ppm)	128.6903
5/10/2019 23:20:12	Continuing Calibration Blank1	Mo (202.032 nm)	12.39	0.0036 (ppm)	20.8347
5/10/2019 23:20:12	Continuing Calibration Blank1	Na (588.995 nm)	10.44	0.0132 (ppm)	-8565.5747
5/10/2019 23:20:12	Continuing Calibration Blank1	Ni (230.299 nm)	33.02	0.0006 (ppm)	-6.4650
5/10/2019 23:20:12	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0003 u (ppm)	1.3561
5/10/2019 23:20:12	Continuing Calibration Blank1	Sb (217.582 nm)	89.72	0.0025 (ppm)	-0.1892
5/10/2019 23:20:12	Continuing Calibration Blank1	Se (196.026 nm)	43.11	0.0033 (ppm)	1.0755
5/10/2019 23:20:12	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	-0.0010 u (ppm)	-1.6012
5/10/2019 23:20:12	Continuing Calibration Blank1	Sr (216.596 nm)	37.48	0.0006 (ppm)	5.1111
5/10/2019 23:20:12	Continuing Calibration Blank1	Ti (336.122 nm)	16.99	0.0017 (ppm)	296.1148
5/10/2019 23:20:12	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	-0.0005 u (ppm)	-2.3847
5/10/2019 23:20:12	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	44.3124
5/10/2019 23:20:12	Continuing Calibration Blank1	Y (360.074 nm)	0.25	1.05 (Ratio)	1190843.97
5/10/2019 23:20:12	Continuing Calibration Blank1	Y_R (360.074 nm)	0.24	1.05 (Ratio)	1195332.06
5/10/2019 23:20:12	Continuing Calibration Blank1	Zn (213.857 nm)	30.89	0.0002 (ppm)	-3.3138
5/10/2019 23:23:32	R1904026-010 10X	Ag (328.068 nm)	9.29	-0.0004 u (ppm)	-81.8346
5/10/2019 23:23:32	R1904026-010 10X	Al (394.401 nm)	0.08	4.9862 (ppm)	80777.0974
5/10/2019 23:23:32	R1904026-010 10X	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.5984
5/10/2019 23:23:32	R1904026-010 10X	B (249.772 nm)	0.42	0.0062 (ppm)	330.8471
5/10/2019 23:23:32	R1904026-010 10X	Ba (230.424 nm)	2.39	0.0148 (ppm)	689.2868
5/10/2019 23:23:32	R1904026-010 10X	Be (313.107 nm)	3.13	0.0002 (ppm)	-31.0087

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:23:32	R1904026-010 10X	Ca (227.547 nm)	9.15	0.4384 (ppm)	26.3575
5/10/2019 23:23:32	R1904026-010 10X	Cd (214.439 nm)	24.84	0.0002 (ppm)	13.4520
5/10/2019 23:23:32	R1904026-010 10X	Co (230.786 nm)	2.00	0.0031 (ppm)	34.8303
5/10/2019 23:23:32	R1904026-010 10X	Cr (267.716 nm)	2.79	0.0062 (ppm)	252.6956
5/10/2019 23:23:32	R1904026-010 10X	Cu (327.395 nm)	0.58	0.0150 (ppm)	931.2771
5/10/2019 23:23:32	R1904026-010 10X	Fe (234.350 nm)	0.28	10.1763 (ppm)	105174.8085
5/10/2019 23:23:32	R1904026-010 10X	K (766.491 nm)	2.43	0.3389 (ppm)	1146.8095
5/10/2019 23:23:32	R1904026-010 10X	Mg (279.078 nm)	0.48	2.2675 (ppm)	4893.1702
5/10/2019 23:23:32	R1904026-010 10X	Mn (257.610 nm)	0.25	0.3818 (ppm)	114594.7743
5/10/2019 23:23:32	R1904026-010 10X	Mo (202.032 nm)	30.12	0.0007 (ppm)	5.6083
5/10/2019 23:23:32	R1904026-010 10X	Na (588.995 nm)	2.72	0.0307 (ppm)	-7833.1253
5/10/2019 23:23:32	R1904026-010 10X	Ni (230.299 nm)	5.03	0.0079 (ppm)	63.3338
5/10/2019 23:23:32	R1904026-010 10X	Pb (220.353 nm)	34.44	0.0039 (ppm)	11.0168
5/10/2019 23:23:32	R1904026-010 10X	Sb (217.582 nm)	> 100.00	0.0003 u (ppm)	-2.5880
5/10/2019 23:23:32	R1904026-010 10X	Se (196.026 nm)	36.60	0.0034 (ppm)	1.0967
5/10/2019 23:23:32	R1904026-010 10X	Sn (189.925 nm)	> 100.00	0.0000 u (ppm)	-0.9120
5/10/2019 23:23:32	R1904026-010 10X	Sr (216.596 nm)	9.47	0.0033 (ppm)	30.8828
5/10/2019 23:23:32	R1904026-010 10X	Ti (336.122 nm)	0.18	0.0765 (ppm)	17884.5037
5/10/2019 23:23:32	R1904026-010 10X	Ti (351.923 nm)	> 100.00	-0.0010 u (ppm)	-3.8599
5/10/2019 23:23:32	R1904026-010 10X	V (292.401 nm)	2.31	0.0100 (ppm)	350.0229
5/10/2019 23:23:32	R1904026-010 10X	Y (360.074 nm)	0.25	1.06 (Ratio)	1202273.45
5/10/2019 23:23:32	R1904026-010 10X	Y_R (360.074 nm)	0.25	1.06 (Ratio)	1206679.32
5/10/2019 23:23:32	R1904026-010 10X	Zn (213.857 nm)	0.76	0.0216 (ppm)	673.0326
5/10/2019 23:26:52	Continuing Calibration Verification1	Ag (328.068 nm)	0.14	0.4951 (ppm)	31845.7653
5/10/2019 23:26:52	Continuing Calibration Verification1	Al (394.401 nm)	0.27	9.2251 (ppm)	149136.8271
5/10/2019 23:26:52	Continuing Calibration Verification1	As (188.980 nm)	0.44	0.9544 (ppm)	576.1503
5/10/2019 23:26:52	Continuing Calibration Verification1	B (249.772 nm)	0.30	2.3212 (ppm)	86628.1079
5/10/2019 23:26:52	Continuing Calibration Verification1	Ba (230.424 nm)	0.65	10.0416 (ppm)	454442.9010
5/10/2019 23:26:52	Continuing Calibration Verification1	Be (313.107 nm)	0.17	0.2442 (ppm)	306453.4409
5/10/2019 23:26:52	Continuing Calibration Verification1	Ca (227.547 nm)	0.16	23.2015 (ppm)	1327.1039
5/10/2019 23:26:52	Continuing Calibration Verification1	Cd (214.439 nm)	0.44	0.4792 (ppm)	9486.3368
5/10/2019 23:26:52	Continuing Calibration Verification1	Co (230.786 nm)	0.30	2.5407 (ppm)	30170.1242
5/10/2019 23:26:52	Continuing Calibration Verification1	Cr (267.716 nm)	0.39	0.4937 (ppm)	19263.1525
5/10/2019 23:26:52	Continuing Calibration Verification1	Cu (327.395 nm)	0.24	1.1485 (ppm)	69644.5328
5/10/2019 23:26:52	Continuing Calibration Verification1	Fe (234.350 nm)	0.38	4.7606 (ppm)	49240.5698
5/10/2019 23:26:52	Continuing Calibration Verification1	K (766.491 nm)	0.41	23.1160 (ppm)	76367.7666
5/10/2019 23:26:52	Continuing Calibration Verification1	Mg (279.078 nm)	0.27	24.6253 (ppm)	52800.0638
5/10/2019 23:26:52	Continuing Calibration Verification1	Mn (257.610 nm)	0.35	0.7337 (ppm)	220144.4706
5/10/2019 23:26:52	Continuing Calibration Verification1	Mo (202.032 nm)	0.43	2.3532 (ppm)	12633.8715
5/10/2019 23:26:52	Continuing Calibration Verification1	Na (588.995 nm)	0.41	24.1936 (ppm)	1001348.7700
5/10/2019 23:26:52	Continuing Calibration Verification1	Ni (230.299 nm)	0.32	1.9645 (ppm)	18693.2905
5/10/2019 23:26:52	Continuing Calibration Verification1	Pb (220.353 nm)	0.37	0.4922 (ppm)	1341.5224
5/10/2019 23:26:52	Continuing Calibration Verification1	Sb (217.582 nm)	0.23	4.6475 (ppm)	4999.4791
5/10/2019 23:26:52	Continuing Calibration Verification1	Se (196.026 nm)	1.65	0.4684 (ppm)	205.5574
5/10/2019 23:26:52	Continuing Calibration Verification1	Sn (189.925 nm)	0.73	4.8666 (ppm)	3332.2112
5/10/2019 23:26:52	Continuing Calibration Verification1	Sr (216.596 nm)	0.46	2.5066 (ppm)	24164.4635
5/10/2019 23:26:52	Continuing Calibration Verification1	Ti (336.122 nm)	0.36	2.4312 (ppm)	571722.6224
5/10/2019 23:26:52	Continuing Calibration Verification1	Ti (351.923 nm)	0.72	0.9766 (ppm)	2736.3708
5/10/2019 23:26:52	Continuing Calibration Verification1	V (292.401 nm)	0.34	2.4707 (ppm)	74312.5157
5/10/2019 23:26:52	Continuing Calibration Verification1	Y (360.074 nm)	0.35	1.01 (Ratio)	1149442.33
5/10/2019 23:26:52	Continuing Calibration Verification1	Y_R (360.074 nm)	0.36	1.01 (Ratio)	1153462.67

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:26:52	Continuing Calibration Verification1	Zn (213.857 nm)	0.35	0.9493 (ppm)	29891.6698
5/10/2019 23:30:11	Continuing Calibration Blank1	Ag (328.068 nm)	25.01	-0.0003 u (ppm)	-76.4273
5/10/2019 23:30:11	Continuing Calibration Blank1	Al (394.401 nm)	1.61	-0.0085 u (ppm)	229.0310
5/10/2019 23:30:11	Continuing Calibration Blank1	As (188.980 nm)	> 100.00	-0.0012 u (ppm)	-0.5782
5/10/2019 23:30:11	Continuing Calibration Blank1	B (249.772 nm)	7.69	-0.0003 u (ppm)	90.0448
5/10/2019 23:30:11	Continuing Calibration Blank1	Ba (230.424 nm)	19.00	0.0012 (ppm)	75.5019
5/10/2019 23:30:11	Continuing Calibration Blank1	Be (313.107 nm)	23.07	0.0000 (ppm)	-252.3916
5/10/2019 23:30:11	Continuing Calibration Blank1	Ca (227.547 nm)	> 100.00	0.0183 u (ppm)	2.3518
5/10/2019 23:30:11	Continuing Calibration Blank1	Cd (214.439 nm)	> 100.00	0.0000 u (ppm)	7.9625
5/10/2019 23:30:11	Continuing Calibration Blank1	Co (230.786 nm)	70.72	0.0003 (ppm)	1.4752
5/10/2019 23:30:11	Continuing Calibration Blank1	Cr (267.716 nm)	49.63	-0.0002 u (ppm)	5.2932
5/10/2019 23:30:11	Continuing Calibration Blank1	Cu (327.395 nm)	82.87	0.0001 (ppm)	29.6433
5/10/2019 23:30:11	Continuing Calibration Blank1	Fe (234.350 nm)	6.75	0.0027 (ppm)	100.6955
5/10/2019 23:30:11	Continuing Calibration Blank1	K (766.491 nm)	> 100.00	0.0014 u (ppm)	32.1607
5/10/2019 23:30:11	Continuing Calibration Blank1	Mg (279.078 nm)	23.28	-0.0106 u (ppm)	11.9068
5/10/2019 23:30:11	Continuing Calibration Blank1	Mn (257.510 nm)	11.52	0.0002 (ppm)	105.9296
5/10/2019 23:30:11	Continuing Calibration Blank1	Mo (202.032 nm)	6.32	0.0041 (ppm)	23.6855
5/10/2019 23:30:11	Continuing Calibration Blank1	Na (588.995 nm)	8.74	0.0138 (ppm)	-8540.9005
5/10/2019 23:30:11	Continuing Calibration Blank1	Ni (230.299 nm)	> 100.00	0.0003 (ppm)	-8.8722
5/10/2019 23:30:11	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0008 u (ppm)	2.5109
5/10/2019 23:30:11	Continuing Calibration Blank1	Sb (217.582 nm)	60.53	0.0029 (ppm)	0.1892
5/10/2019 23:30:11	Continuing Calibration Blank1	Se (196.026 nm)	> 100.00	0.0015 u (ppm)	0.2708
5/10/2019 23:30:11	Continuing Calibration Blank1	Sn (189.925 nm)	> 100.00	-0.0009 u (ppm)	-1.5018
5/10/2019 23:30:11	Continuing Calibration Blank1	Sr (216.596 nm)	27.01	0.0003 (ppm)	2.0401
5/10/2019 23:30:11	Continuing Calibration Blank1	Ti (336.122 nm)	14.54	0.0019 (ppm)	339.3093
5/10/2019 23:30:11	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	0.0002 u (ppm)	-0.4689
5/10/2019 23:30:11	Continuing Calibration Blank1	V (292.401 nm)	> 100.00	-0.0001 u (ppm)	45.6692
5/10/2019 23:30:11	Continuing Calibration Blank1	Y (360.074 nm)	0.44	1.05 (Ratio)	1195853.75
5/10/2019 23:30:11	Continuing Calibration Blank1	Y_R (360.074 nm)	0.44	1.06 (Ratio)	1200308.18
5/10/2019 23:30:11	Continuing Calibration Blank1	Zn (213.857 nm)	21.63	0.0002 (ppm)	-2.7597
5/10/2019 23:33:29	Contract Required Detection Limit	Ag (328.068 nm)	1.15	0.0098 (ppm)	569.8280
5/10/2019 23:33:29	Contract Required Detection Limit	Al (394.401 nm)	0.81	0.1675 (ppm)	3068.1527
5/10/2019 23:33:29	Contract Required Detection Limit	As (188.980 nm)	1.83	0.0189 (ppm)	11.5569
5/10/2019 23:33:29	Contract Required Detection Limit	B (249.772 nm)	0.39	0.1735 (ppm)	6568.7604
5/10/2019 23:33:29	Contract Required Detection Limit	Ba (230.424 nm)	0.33	0.2057 (ppm)	9330.5271
5/10/2019 23:33:29	Contract Required Detection Limit	Be (313.107 nm)	0.42	0.0047 (ppm)	5652.8982
5/10/2019 23:33:29	Contract Required Detection Limit	Ca (227.547 nm)	3.10	0.9030 (ppm)	52.9090
5/10/2019 23:33:29	Contract Required Detection Limit	Cd (214.439 nm)	1.13	0.0095 (ppm)	196.8679
5/10/2019 23:33:29	Contract Required Detection Limit	Co (230.786 nm)	0.54	0.0505 (ppm)	598.0450
5/10/2019 23:33:29	Contract Required Detection Limit	Cr (267.716 nm)	0.66	0.0099 (ppm)	397.3345
5/10/2019 23:33:29	Contract Required Detection Limit	Cu (327.395 nm)	0.29	0.0232 (ppm)	1428.4035
5/10/2019 23:33:29	Contract Required Detection Limit	Fe (234.350 nm)	0.41	0.1037 (ppm)	1143.9239
5/10/2019 23:33:29	Contract Required Detection Limit	K (766.491 nm)	1.08	0.8347 (ppm)	2784.3824
5/10/2019 23:33:29	Contract Required Detection Limit	Mg (279.078 nm)	0.27	0.9561 (ppm)	2083.2980
5/10/2019 23:33:29	Contract Required Detection Limit	Mn (257.510 nm)	0.43	0.0154 (ppm)	4677.5101
5/10/2019 23:33:29	Contract Required Detection Limit	Mo (202.032 nm)	0.41	0.0251 (ppm)	136.6792
5/10/2019 23:33:29	Contract Required Detection Limit	Na (588.995 nm)	0.32	0.9760 (ppm)	31647.1560
5/10/2019 23:33:29	Contract Required Detection Limit	Ni (230.299 nm)	1.23	0.0409 (ppm)	377.6545
5/10/2019 23:33:29	Contract Required Detection Limit	Pb (220.353 nm)	1.93	0.0108 (ppm)	29.9530
5/10/2019 23:33:29	Contract Required Detection Limit	Sb (217.582 nm)	3.38	0.0591 (ppm)	60.6342
5/10/2019 23:33:29	Contract Required Detection Limit	Se (196.026 nm)	36.02	0.0124 R (ppm)	5.0647 R

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:33:29	Contract Required Detection Limit	Sn (189.925 nm)	0.67	0.4858 (ppm)	331.8635
5/10/2019 23:33:29	Contract Required Detection Limit	Sr (216.596 nm)	0.69	0.1015 (ppm)	977.8991
5/10/2019 23:33:29	Contract Required Detection Limit	Ti (336.122 nm)	0.24	0.0495 (ppm)	11545.8101
5/10/2019 23:33:29	Contract Required Detection Limit	Tl (351.923 nm)	29.53	0.0148 R (ppm) 741.	40.5866 R
5/10/2019 23:33:29	Contract Required Detection Limit	V (292.401 nm)	0.36	0.0487 (ppm)	1513.3269
5/10/2019 23:33:29	Contract Required Detection Limit	Y (360.074 nm)	0.37	1.05 (Ratio)	1195099.21
5/10/2019 23:33:29	Contract Required Detection Limit	Y_R (360.074 nm)	0.37	1.06 (Ratio)	1199573.85
5/10/2019 23:33:29	Contract Required Detection Limit	Zn (213.857 nm)	0.67	0.0190 (ppm)	589.1089
5/10/2019 23:36:49	Interference Check Solution A	Ag (328.068 nm)	27.09	-0.0001 u (ppm)	-64.4717
5/10/2019 23:36:49	Interference Check Solution A	Al (394.401 nm)	0.14	251.9355 o (ppm)	4063241.9565
5/10/2019 23:36:49	Interference Check Solution A	As (188.980 nm)	> 100.00	0.0004 u (ppm)	0.3510
5/10/2019 23:36:49	Interference Check Solution A	B (249.772 nm)	1.04	0.0473 (ppm)	1863.8543
5/10/2019 23:36:49	Interference Check Solution A	Ba (230.424 nm)	12.90	0.0010 (ppm)	64.6815
5/10/2019 23:36:49	Interference Check Solution A	Be (313.107 nm)	16.30	0.0000 u (ppm)	-332.9711
5/10/2019 23:36:49	Interference Check Solution A	Ca (227.547 nm)	0.10	250.1493 o (ppm)	14295.5206
5/10/2019 23:36:49	Interference Check Solution A	Cd (214.439 nm)	17.45	-0.0003 u (ppm)	2.8605
5/10/2019 23:36:49	Interference Check Solution A	Co (230.786 nm)	16.93	-0.0028 u (ppm)	-36.0805
5/10/2019 23:36:49	Interference Check Solution A	Cr (267.716 nm)	12.82	0.0006 (ppm)	37.3246
5/10/2019 23:36:49	Interference Check Solution A	Cu (327.395 nm)	31.56	-0.0004 u (ppm)	2.0083
5/10/2019 23:36:49	Interference Check Solution A	Fe (234.350 nm)	0.43	87.9723 o (ppm)	908661.9362
5/10/2019 23:36:49	Interference Check Solution A	K (766.491 nm)	57.67	0.0224 (ppm)	101.6068
5/10/2019 23:36:49	Interference Check Solution A	Mg (279.078 nm)	0.11	255.1031 o (ppm)	546651.9600
5/10/2019 23:36:49	Interference Check Solution A	Mn (257.610 nm)	1.91	0.0020 (ppm)	638.4624
5/10/2019 23:36:49	Interference Check Solution A	Mo (202.032 nm)	> 100.00	0.0005 (ppm)	4.1888
5/10/2019 23:36:49	Interference Check Solution A	Na (588.995 nm)	32.22	-0.0035 u (ppm)	-9260.3386
5/10/2019 23:36:49	Interference Check Solution A	Ni (230.299 nm)	44.97	-0.0007 u (ppm)	-18.2951
5/10/2019 23:36:49	Interference Check Solution A	Pb (220.353 nm)	40.30	-0.0022 u (ppm)	-5.6306
5/10/2019 23:36:49	Interference Check Solution A	Sb (217.582 nm)	45.38	-0.0047 u (ppm)	-7.9420
5/10/2019 23:36:49	Interference Check Solution A	Se (196.026 nm)	> 100.00	-0.0086 u (ppm)	-4.1861
5/10/2019 23:36:49	Interference Check Solution A	Sn (189.925 nm)	> 100.00	0.0009 u (ppm)	-0.2613
5/10/2019 23:36:49	Interference Check Solution A	Sr (216.596 nm)	2.13	0.0186 (ppm)	178.5211
5/10/2019 23:36:49	Interference Check Solution A	Ti (336.122 nm)	3.47	0.0018 (ppm)	317.4026
5/10/2019 23:36:49	Interference Check Solution A	Tl (351.923 nm)	92.43	0.0035 (ppm)	8.8245
5/10/2019 23:36:49	Interference Check Solution A	V (292.401 nm)	3.32	0.0010 (ppm)	77.7384
5/10/2019 23:36:49	Interference Check Solution A	Y (360.074 nm)	0.38	0.93 (Ratio)	1060350.18
5/10/2019 23:36:49	Interference Check Solution A	Y_R (360.074 nm)	0.38	0.94 (Ratio)	1063972.44
5/10/2019 23:36:49	Interference Check Solution A	Zn (213.857 nm)	1.68	0.0114 K (ppm)	350.0200 K
5/10/2019 23:40:08	Interference Check Solution AB	Ag (328.068 nm)	0.21	0.2098 (ppm)	13460.5685
5/10/2019 23:40:08	Interference Check Solution AB	Al (394.401 nm)	0.21	251.7526 o (ppm)	4060292.8657
5/10/2019 23:40:08	Interference Check Solution AB	As (188.980 nm)	4.95	0.0936 (ppm)	56.5983
5/10/2019 23:40:08	Interference Check Solution AB	B (249.772 nm)	0.52	0.0459 (ppm)	1812.9221
5/10/2019 23:40:08	Interference Check Solution AB	Ba (230.424 nm)	0.54	0.5055 (ppm)	22895.7348
5/10/2019 23:40:08	Interference Check Solution AB	Be (313.107 nm)	0.14	0.4749 (ppm)	596244.2022
5/10/2019 23:40:08	Interference Check Solution AB	Ca (227.547 nm)	0.14	249.3362 o (ppm)	14249.0614
5/10/2019 23:40:08	Interference Check Solution AB	Cd (214.439 nm)	0.42	0.9228 (ppm)	18260.4015
5/10/2019 23:40:08	Interference Check Solution AB	Co (230.786 nm)	0.25	0.4674 (ppm)	5547.8668
5/10/2019 23:40:08	Interference Check Solution AB	Cr (267.716 nm)	0.26	0.4817 (ppm)	18796.8535
5/10/2019 23:40:08	Interference Check Solution AB	Cu (327.395 nm)	0.12	0.4849 (ppm)	29420.4946
5/10/2019 23:40:08	Interference Check Solution AB	Fe (234.350 nm)	0.33	87.9177 o (ppm)	908097.9099
5/10/2019 23:40:08	Interference Check Solution AB	K (766.491 nm)	> 100.00	-0.0013 u (ppm)	23.3129
5/10/2019 23:40:08	Interference Check Solution AB	Mg (279.078 nm)	0.32	255.3847 o (ppm)	547255.5163

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:40:08	Interference Check Solution AB	Mn (257.610 nm)	0.21	0.4785 (ppm)	143599.1152
5/10/2019 23:40:08	Interference Check Solution AB	Mo (202.032 nm)	33.51	0.0014 (ppm)	9.2979
5/10/2019 23:40:08	Interference Check Solution AB	Na (588.995 nm)	3.48	0.0062 (ppm)	-8857.6409
5/10/2019 23:40:08	Interference Check Solution AB	Ni (230.299 nm)	0.08	0.9242 (ppm)	8787.6467
5/10/2019 23:40:08	Interference Check Solution AB	Pb (220.353 nm)	3.88	0.0453 (ppm)	123.7375
5/10/2019 23:40:08	Interference Check Solution AB	Sb (217.582 nm)	2.52	0.5771 (ppm)	618.2446
5/10/2019 23:40:08	Interference Check Solution AB	Se (196.026 nm)	0.91	0.0505 (ppm)	21.8089
5/10/2019 23:40:08	Interference Check Solution AB	Sn (189.925 nm)	87.62	0.0055 (ppm)	2.9014
5/10/2019 23:40:08	Interference Check Solution AB	Sr (216.596 nm)	1.83	0.0184 (ppm)	176.5829
5/10/2019 23:40:08	Interference Check Solution AB	Ti (336.122 nm)	1.33	0.0017 (ppm)	299.7463
5/10/2019 23:40:08	Interference Check Solution AB	Ti (351.923 nm)	0.21	0.1119 (ppm)	312.7751
5/10/2019 23:40:08	Interference Check Solution AB	V (292.401 nm)	0.21	0.4876 (ppm)	14705.4938
5/10/2019 23:40:08	Interference Check Solution AB	Y (360.074 nm)	0.28	0.94 (Ratio)	1063746.04
5/10/2019 23:40:08	Interference Check Solution AB	Y_R (360.074 nm)	0.28	0.94 (Ratio)	1067373.28
5/10/2019 23:40:08	Interference Check Solution AB	Zn (213.857 nm)	0.21	0.9691 (ppm)	30516.9574
5/10/2019 23:43:28	Continuing Calibration Verification1	Ag (328.068 nm)	0.23	0.4958 (ppm)	31890.9549
5/10/2019 23:43:28	Continuing Calibration Verification1	Al (394.401 nm)	0.35	9.2711 (ppm)	149877.5583
5/10/2019 23:43:28	Continuing Calibration Verification1	As (188.980 nm)	0.78	0.9554 (ppm)	576.7409
5/10/2019 23:43:28	Continuing Calibration Verification1	B (249.772 nm)	0.18	2.3091 (ppm)	86176.8052
5/10/2019 23:43:28	Continuing Calibration Verification1	Ba (230.424 nm)	0.27	9.9886 (ppm)	452041.1995
5/10/2019 23:43:28	Continuing Calibration Verification1	Be (313.107 nm)	0.25	0.2444 (ppm)	306724.1479
5/10/2019 23:43:28	Continuing Calibration Verification1	Ca (227.547 nm)	0.43	23.0795 (ppm)	1320.1302
5/10/2019 23:43:28	Continuing Calibration Verification1	Cd (214.439 nm)	0.11	0.4799 (ppm)	9500.7610
5/10/2019 23:43:28	Continuing Calibration Verification1	Co (230.786 nm)	0.20	2.5418 (ppm)	30183.5222
5/10/2019 23:43:28	Continuing Calibration Verification1	Cr (267.716 nm)	0.24	0.4924 (ppm)	19213.8916
5/10/2019 23:43:28	Continuing Calibration Verification1	Cu (327.395 nm)	0.27	1.1481 (ppm)	69622.4690
5/10/2019 23:43:28	Continuing Calibration Verification1	Fe (234.350 nm)	0.16	4.7742 (ppm)	49381.5661
5/10/2019 23:43:28	Continuing Calibration Verification1	K (766.491 nm)	0.53	23.1317 (ppm)	76419.6434
5/10/2019 23:43:28	Continuing Calibration Verification1	Mg (279.078 nm)	0.19	24.6743 (ppm)	52904.8461
5/10/2019 23:43:28	Continuing Calibration Verification1	Mn (257.610 nm)	0.23	0.7306 (ppm)	219228.1896
5/10/2019 23:43:28	Continuing Calibration Verification1	Mo (202.032 nm)	0.32	2.3558 (ppm)	12647.9089
5/10/2019 23:43:28	Continuing Calibration Verification1	Na (588.995 nm)	0.14	24.1670 (ppm)	1000237.1278
5/10/2019 23:43:28	Continuing Calibration Verification1	Ni (230.299 nm)	0.10	1.9655 (ppm)	18703.1895
5/10/2019 23:43:28	Continuing Calibration Verification1	Pb (220.353 nm)	0.43	0.4930 (ppm)	1343.6884
5/10/2019 23:43:28	Continuing Calibration Verification1	Sb (217.582 nm)	0.09	4.6442 (ppm)	4996.0066
5/10/2019 23:43:28	Continuing Calibration Verification1	Se (196.026 nm)	1.62	0.4677 (ppm)	205.2162
5/10/2019 23:43:28	Continuing Calibration Verification1	Sn (189.925 nm)	0.49	4.8539 (ppm)	3323.5154
5/10/2019 23:43:28	Continuing Calibration Verification1	Sr (216.596 nm)	0.31	2.5146 (ppm)	24241.9762
5/10/2019 23:43:28	Continuing Calibration Verification1	Ti (336.122 nm)	0.20	2.4370 (ppm)	573083.9164
5/10/2019 23:43:28	Continuing Calibration Verification1	Ti (351.923 nm)	0.21	0.9836 (ppm)	2755.9641
5/10/2019 23:43:28	Continuing Calibration Verification1	V (292.401 nm)	0.23	2.4763 (ppm)	74480.9916
5/10/2019 23:43:28	Continuing Calibration Verification1	Y (360.074 nm)	0.52	1.01 (Ratio)	1147058.32
5/10/2019 23:43:28	Continuing Calibration Verification1	Y_R (360.074 nm)	0.52	1.01 (Ratio)	1151207.45
5/10/2019 23:43:28	Continuing Calibration Verification1	Zn (213.857 nm)	0.22	0.9502 (ppm)	29919.7414
5/10/2019 23:46:47	Continuing Calibration Blank1	Ag (328.068 nm)	71.65	-0.0002 u (ppm)	-70.8363
5/10/2019 23:46:47	Continuing Calibration Blank1	Al (394.401 nm)	37.16	0.0048 (ppm)	443.8946
5/10/2019 23:46:47	Continuing Calibration Blank1	As (188.980 nm)	92.00	0.0031 (ppm)	2.0006
5/10/2019 23:46:47	Continuing Calibration Blank1	B (249.772 nm)	> 100.00	-0.0002 u (ppm)	94.9182
5/10/2019 23:46:47	Continuing Calibration Blank1	Ba (230.424 nm)	5.96	0.0022 (ppm)	118.4895
5/10/2019 23:46:47	Continuing Calibration Blank1	Be (313.107 nm)	10.06	0.0001 (ppm)	-212.9577
5/10/2019 23:46:47	Continuing Calibration Blank1	Ca (227.547 nm)	68.86	0.0207 (ppm)	2.4914

Report CCB 2346
 due to calibration
 summary print issue



Agilent Technologies

Path: C:\Agilent\ICP Expert\My Results\6MAY10A.esws

Date created: 5/10/2019 11:23:24 AM

Instrument used: MY15340001

Software Version : 7.4.1.10449

Firmware Version : 3585

Notes:

*Report of COP
OK 5/13/19*

Detailed Results

Date Time	Label	Element Label (nm)	%RSD	Unadjusted Conc	Intensity
5/10/2019 23:46:47	Continuing Calibration Blank1	Ag (328.068 nm)	71.65	-0.0002 u (ppm)	-70.8363
5/10/2019 23:46:47	Continuing Calibration Blank1	Al (394.401 nm)	37.16	0.0048 (ppm)	443.8946
5/10/2019 23:46:47	Continuing Calibration Blank1	As (188.980 nm)	92.00	0.0031 (ppm)	2.0006
5/10/2019 23:46:47	Continuing Calibration Blank1	B (249.772 nm)	> 100.00	-0.0002 u (ppm)	94.9182
5/10/2019 23:46:47	Continuing Calibration Blank1	Ba (230.424 nm)	5.96	0.0022 (ppm)	118.4895
5/10/2019 23:46:47	Continuing Calibration Blank1	Be (313.107 nm)	10.06	0.0001 (ppm)	-212.9577
5/10/2019 23:46:47	Continuing Calibration Blank1	Ca (227.547 nm)	68.86	0.0207 (ppm)	2.4914
5/10/2019 23:46:47	Continuing Calibration Blank1	Cd (214.439 nm)	40.05	0.0000 (ppm)	9.5300
5/10/2019 23:46:47	Continuing Calibration Blank1	Co (230.786 nm)	30.73	0.0006 (ppm)	4.5557
5/10/2019 23:46:47	Continuing Calibration Blank1	Cr (267.716 nm)	76.01	0.0000 u (ppm)	11.2788
5/10/2019 23:46:47	Continuing Calibration Blank1	Cu (327.395 nm)	62.48	0.0003 (ppm)	38.8126
5/10/2019 23:46:47	Continuing Calibration Blank1	Fe (234.350 nm)	9.55	0.0073 (ppm)	147.8536
5/10/2019 23:46:47	Continuing Calibration Blank1	K (766.491 nm)	68.02	-0.0181 u (ppm)	-31.9667
5/10/2019 23:46:47	Continuing Calibration Blank1	Mg (279.078 nm)	40.34	0.0097 (ppm)	55.3805
5/10/2019 23:46:47	Continuing Calibration Blank1	Mn (257.610 nm)	4.72	0.0002 (ppm)	98.2535
5/10/2019 23:46:47	Continuing Calibration Blank1	Mo (202.032 nm)	22.00	0.0043 (ppm)	24.9242
5/10/2019 23:46:47	Continuing Calibration Blank1	Na (588.995 nm)	14.13	0.0152 (ppm)	-8482.7880
5/10/2019 23:46:47	Continuing Calibration Blank1	Ni (230.299 nm)	75.32	0.0004 (ppm)	-7.9584
5/10/2019 23:46:47	Continuing Calibration Blank1	Pb (220.353 nm)	> 100.00	0.0006 u (ppm)	2.1204
5/10/2019 23:46:47	Continuing Calibration Blank1	Sb (217.582 nm)	26.75	0.0011 (ppm)	-1.7365
5/10/2019 23:46:47	Continuing Calibration Blank1	Se (196.026 nm)	40.34	0.0031 (ppm)	0.9726
5/10/2019 23:46:47	Continuing Calibration Blank1	Sn (189.925 nm)	76.36	0.0012 (ppm)	-0.0416
5/10/2019 23:46:47	Continuing Calibration Blank1	Sr (216.596 nm)	47.37	0.0008 (ppm)	6.7598
5/10/2019 23:46:47	Continuing Calibration Blank1	Ti (336.122 nm)	17.36	0.0019 (ppm)	346.7035
5/10/2019 23:46:47	Continuing Calibration Blank1	Tl (351.923 nm)	> 100.00	-0.0021 u (ppm)	-6.8576
5/10/2019 23:46:47	Continuing Calibration Blank1	V (292.401 nm)	29.88	0.0002 (ppm)	55.5276
5/10/2019 23:46:47	Continuing Calibration Blank1	Y (360.074 nm)	0.34	1.05 (Ratio)	1195066.71
5/10/2019 23:46:47	Continuing Calibration Blank1	Y_R (360.074 nm)	0.34	1.06 (Ratio)	1199682.78
5/10/2019 23:46:47	Continuing Calibration Blank1	Zn (213.857 nm)	55.08	0.0003 (ppm)	-0.4260

Ag (328.068 nm)
Intensity = 64445.78914154 * Concentration - 58.73923410
Correlation coefficient: 0.99999

As (188.980 nm)
Intensity = 603.54071345 * Concentration + 0.13605264
Correlation coefficient: 0.99999

B (249.772 nm)
Intensity = 37276.19698741 * Concentration + 100.93672502
Correlation coefficient: 0.99999

Ba (230.424 nm)
Intensity = 45253.95824597 * Concentration + 19.62634379
Correlation coefficient: 0.99997

Be (313.107 nm)
Intensity = 1256053.30388098 * Concentration - 286.47634346
Correlation coefficient: 1.00000

Cd (214.439 nm)
Intensity = 19778.03524748 * Concentration + 8.65759320
Correlation coefficient: 1.00000

Co (230.786 nm)
Intensity = 11875.55202169 * Concentration - 2.26231499
Correlation coefficient: 0.99999

Cr (267.716 nm)
Intensity = 38992.54976856 * Concentration + 12.76554905
Correlation coefficient: 1.00000

Cu (327.395 nm)
Intensity = 60621.03838909 * Concentration + 23.29543344
Correlation coefficient: 0.99999

K (766.491 nm)
Intensity = 3302.47215997 * Concentration + 27.68622629
Correlation coefficient: 0.99995

Mn (257.610 nm)
Intensity = 300001.90482506 * Concentration + 46.35750069
Correlation coefficient: 1.00000

Mo (202.032 nm)
Intensity = 5368.00689620 * Concentration + 1.77141414
Correlation coefficient: 1.00000

Na (588.995 nm)
Intensity = 41765.82186820 * Concentration - 9115.76701285
Correlation coefficient: 1.00000

Ni (230.299 nm)
Intensity = 9521.70671282 * Concentration - 12.03852674
Correlation coefficient: 0.99999

Pb (220.353 nm)
Intensity = 2724.91811179 * Concentration + 0.41510757
Correlation coefficient: 0.99999

Sb (217.582 nm)
Intensity = 1076.37752084 * Concentration - 2.93288604
Correlation coefficient: 1.00000

Se (196.026 nm)
Intensity = 439.65382736 * Concentration - 0.39663990
Correlation coefficient: 0.99999

Sn (189.925 nm)
Intensity = 684.89801435 * Concentration - 0.88545263
Correlation coefficient: 1.00000

Ti (336.122 nm)
Intensity = 235200.35506638 * Concentration - 102.39333172
Correlation coefficient: 1.00000

Ti (351.923 nm)
Intensity = 2802.86378084 * Concentration - 0.91865931
Correlation coefficient: 0.99998

V (292.401 nm)
Intensity = 30057.89009971 * Concentration + 48.30410274
Correlation coefficient: 1.00000

Zn (213.857 nm)
Intensity = 31497.93530331 * Concentration - 8.51512750
Correlation coefficient: 1.00000

Al (394.401 nm)
Intensity = 16126.64825331 * Concentration + 366.49445771
Correlation coefficient: 0.99991

Ca (227.547 nm)
Intensity = 57.14273446 * Concentration + 1.30635048
Correlation coefficient: 0.99996

Fe (234.350 nm)
Intensity = 10328.12310860 * Concentration + 72.84234895
Correlation coefficient: 1.00000

Mg (279.078 nm)
Intensity = 2142.73160678 * Concentration + 34.54885832
Correlation coefficient: 0.99981

Sr (216.596 nm)
Intensity = 9640.78788097 * Concentration - 1.00855960
Correlation coefficient: 1.00000

Preparation Information Benchsheet

Prep Run#: 336346
Team: Metals/KMCLAEN

Prep Workflow: MetDigLP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/9/19 14:00

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904325-01	MB	.02	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Colorless-Clear		Plunge Filtered
2	RQ1904371-01	MB		50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Colorless-Clear		HB: 7 Well: 14 Temp: 91.5C Corr. Factor: 0.0C Corr. Temp: 91.5C Plunge Filtered
3	RQ1904371-02	LCS		50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Colorless-Clear	1.0000 mL/199097	On HB: 16:18 HB turn off: 2:18 Pipets/Repipettors used: M28,M106,M104,M230 Plunge Filtered
4	R1903839-002	Sludge	.04	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Yellow-Cloudy/Colorless-Clear		Plunge Filtered
5	R1903897-001	U-60/67	.07	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Colorless-Clear		
6	R1903934-001	Blasting Medium	.02	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Yellow-Clear/Yellow-Clear		
7	RQ1904371-03	R1903934-001 MS	.02	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Yellow-Clear/Yellow-Clear	1.0000 mL/199097	
8	RQ1904371-04	R1903934-001 DMS	.02	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Yellow-Clear/Yellow-Clear	1.0000 mL/199097	
9	R1903955-001	IDW-1	.06	50mL	6010C/Ag TCLP, As TCLP, Ba TCLP, Cd TCLP, Cr TCLP, Pb TCLP, Se TCLP	<2			50.00mL	Colorless-Clear		

Spiking Solutions

Name: TCLP Spike Inventory ID 199097 Logbook Ref: M7620132M Expires On: 05/31/2019

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Hydrochloric Acid (HCl) Metals Grade	M7600009G (197994)
Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)	Thermometer	293 (12952)

Preparation Information Benchsheet

Prep Run#: 336346
Team: Metals/KMCLAEN

Prep Workflow: MetDigLP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/9/19 14:00

Preparation Steps

Step: Digestion
Started: 5/9/19 14:00
Finished: 5/10/19 11:11
By: KMCLAEN
Comments

Comments: _____

Reviewed By: Janey Date: 5/10/19

Chain of Custody

Relinquished By: <u>Kelly McJeon</u>	Date: <u>5/10/19</u>	<u>Extracts Examined</u> Yes No
Received By: <u>RACI</u>	Date: <u>5/10/19</u>	

Preparation Information Benchsheet

Prep Run#: 336261

Prep Workflow: TCLP

Status: Prepped

Team: Metals/CWOODS

Prep Method: Method

Prep Date/Time: 5/8/19 18:00

#	Lab Code	Client ID	B#	Amt. Ext	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904325-01	MB		100g	EPA 1311/TCLP				2,000.00mL			
2	R1903839-002	Sludge	.01	100g	EPA 1311/TCLP				2,000.00mL			
3	R1903897-001	U-60/67	.02	100.0200g	EPA 1311/TCLP				2,000.00mL			
4	R1903934-001	Blasting Medium	.01	100.0600g	EPA 1311/TCLP				2,000.00mL			
5	R1903955-001	IDW-1	.02	100g	EPA 1311/TCLP				2,000.00mL			

Preparation Materials

TCLP Fluid #1 Concentrate

199237 (199237)

TCLP Filter Paper

400116-6078 (171775)

Preparation Steps

Step: Leach

Started: 5/8/19 18:00

Finished: 5/9/19 10:05

By: CWOODS

Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____	Date: _____	<u>Extracts Examined</u>
Received By: _____	Date: _____	Yes No

Non-VOA TCLP Extraction - EPA 1311

Analyst: AMW

Rotator ID	5		
Date started	5/8/19		
Time started	1800		
RPM (daily when full)	31		
Within 28-32rpm?	yes		
Date ended	5/9/19		
Time ended	1005		

Room Temp Therm ID: 48
 CF °C: -0.4C
 Obs °C Corr °C
 Min 22.6 22.2
 Max 23.6 23.2
 Within Limits (21-25°C)? Y
 Comments: —

pH Meter: To6
 Balance: R-21
 HNO3 preservative: M76.00010T
 Fluid #1 concentrate: 199237 pH 4.93±0.05
 Fluid #2 concentrate: — pH 2.88±0.05
 Filter Lot: 460119-6068
 Filter Date: 5/9/19

Diluted fluid concentrates prepared Daily

Fluid Determination Hotplate:	
Thermometer ID	313
Correction Factor °C	+0.1 °C
Observed Temp °C	50.0 °C
Corrected Temp °C	50.1 °C

Comments: _____

Order #	Extraction Vessel ID	Rotator ID	Tests Needed	Will yield		Fluid determination**				B. If pH >5, add 3.5mL 1N HCl 10m@48-52C			Sample Amt (g)	Fluid # used	Fluid vol Used (ml)	Filtration		If separated Filtrate Compatible?	Recombination		Comments
				Liquid under Pressure?	Part size Reduced?	A. 5g+96.5mL DI 5min		HCl 10m@48-52C			Time	pH				amount filtrate	amount leachate				
						g	Start	End	pH	Start									End	pH	
<u>MB</u>	<u>F</u>	<u>5</u>	<u>Metals, SVOA</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>2000</u>	<u>11:25</u>	<u>4.99</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>R1903839-002</u>	<u>A</u>	<u>5</u>	<u>↓</u>	<u>No</u>	<u>No</u>	<u>5.02</u>	<u>1410</u>	<u>1415</u>	<u>6.80</u>	<u>1503</u>	<u>1513</u>	<u>2.30</u>	<u>100.00</u>	<u>1</u>	<u>2000</u>	<u>11:30</u>	<u>5.09</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>R1903817-001</u>	<u>T</u>	<u>5</u>	<u>↓</u>	<u>No</u>	<u>Yes</u>	<u>5.00</u>	<u>↓</u>	<u>↓</u>	<u>11.34</u>	<u>↓</u>	<u>↓</u>	<u>4.62</u>	<u>100.02</u>	<u>1</u>	<u>2000</u>	<u>12:07</u>	<u>4.93</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>R1903934-001</u>	<u>L</u>	<u>5</u>	<u>Metals</u>	<u>No</u>	<u>No</u>	<u>5.01</u>	<u>↓</u>	<u>↓</u>	<u>10.38</u>	<u>↓</u>	<u>↓</u>	<u>2.15</u>	<u>100.06</u>	<u>1</u>	<u>2000</u>	<u>12:31</u>	<u>5.08</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>R1903955-001</u>	<u>G</u>	<u>5</u>	<u>Metals, SVOA</u>	<u>No</u>	<u>No</u>	<u>5.06</u>	<u>↓</u>	<u>↓</u>	<u>8.92</u>	<u>↓</u>	<u>↓</u>	<u>2.52</u>	<u>100.00</u>	<u>1</u>	<u>2000</u>	<u>12:41</u>	<u>4.99</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Metals extracts matrix spiked prior to preservation? _____

Comments: _____

Percent Solids Determination, if needed

Order #			
Ws: Weight of sample			
Wc: Tare Wt of container			
Wcs: Final Wt of container			
%solids = 100 x (Ws - (Wcs - Wc)) / Ws			

*Reduce until will pass 9.5mm sieve

**If pH in A or B is <5.0 use fluid 1, if >5.0 use fluid 2

Volume of ext fluid: 20(%sol)(sample wt)/100

Preparation Information Benchsheet

Prep Run#: 336204
Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/8/19 10:03

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904295-01	MB		50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd D, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 1 Well: H3 Temp: 93.0C Corr. Factor: 0.0C Corr. Temp: 93.0C Plunge Filtered
2	RQ1904295-05	MB		50mL	6010C/Cd D	<2			50.00mL	Colorless-Clear		Filtered: 5/7/19
3	RQ1904295-02	LCS		50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd D, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sr T, Ti T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.2500 mL/193076; 0.5000 mL/193085; 0.0500 mL/193078; 0.5000 mL/193084; 0.1000 mL/193077	On HB: 15:01 HB turn off: 1:01 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
4	RQ1904295-06	MDLV		50mL	6010C/Sr T, Ti T	<2			50.00mL	Colorless-Clear		
5	R1902784-013	6010C MDLV #2	.01	50mL	6010C/Sr T, Ti T	<2			50.00mL	Colorless-Clear		
6	R1903763-002	T-27-DB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		Tier IV
7	R1903763-003	SE-0100-DBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
8	R1903763-004	WEX-0212-IB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
9	R1903763-005	WEX-0213-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
10	R1903763-006	SE-0100-SBR	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Clear		
11	R1903763-007	T-27-SB	.10	50mL	6010C/Cd T, Fe T, Mn T, Pb T, Sb T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
12	R1903829-005	828133-MW101008	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		Tier IV
13	R1903829-008	828133-MW2D020	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear		
14	RQ1904295-03	R1903829-008 MS	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193084; 0.5000 mL/193085; 0.1000 mL/193077	
15	RQ1904295-04	R1903829-008 DMS	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Tl T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193085; 0.1000 mL/193077; 0.5000 mL/193084; 0.2500 mL/193076	
16	R1903829-015	828133-GW12008	.12	50mL	6010C/Fe T, Mn T	<2			50.00mL	Colorless-Clear		

Preparation Information Benchsheet

Prep Run#: 336204

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/8/19 10:03

17	R1903829-016	828133-MW10008	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T	<2		50.00mL	Colorless-Clear		
18	R1903829-017	828133-MW10008D	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T	<2		50.00mL	Colorless-Clear		
19	R1903829-020	828133-MW100D018	.12	50mL	6010C/Fe T, Mn T	<2		50.00mL	Colorless-Clear		
20	R1903829-021	828133-GW14010	.12	50mL	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T	<2		50.00mL	Colorless-Clear		
21	R1904002-001	Effluent 2Q19	.02	50mL	6010C/Pb T	<2		50.00mL	Colorless-Clear		
22	R1904007-001	RFW-2S	.01	50mL	6010C/Ag T, Ba T, Be T, Cd T, Cr T, Cu T, Fe T, Mg T, Mn T, Ni T, Sb T, Zn T	<2		50.00mL	Colorless-Clear		Tier IV
23	R1904007-002	RFW-2S Diss	.01	50mL	6010C/Cd D	<2		50.00mL	Colorless-Clear		
24	R1904038-002	Hauler Sludge	.02	50mL	6010C/As T, Ba T, Cd T, Cr T, Cu T, K T, Mo T, Ni T, Pb T, Se T, Zn T	<2		50.00mL	Brown-Cloudy/Yellow-Clear		Plunge Filtered

Spiking Solutions

Name:	Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name:	Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name:	Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name:	Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name:	Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9105-CC (199107)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
 Started: 5/8/19 10:03
 Finished: 5/9/19 10:22
 By: KMCLAEN
 Comments

Prep Run#: 336204
Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/8/19 10:03

2784 5/10
3763 5/14
3829 5/17
4002 5/13
4007 5/20
4038 5/14

18

Comments:

Reviewed By:

Janney

Date:

5/9/19

Spike Witness: LHERRING

Date:

Chain of Custody

Relinquished By:

Kerry McLean

Date:

5/9/19

Extracts Examined

Received By:

RACI

Date:

5/9/19

Yes No

Preparation Information Benchsheet

Prep Run#: 336344
 Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
 Prep Method: EPA 3005A/3010A

Status: Prepped
 Prep Date/Time: 5/9/19 14:00

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904369-01	MB		50mL	6010C/As T, Ba T, Ca T, Cr T, Cu T, Fe T, Mg T, Mn T, Na T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear		HB: 1 Well: 14 Temp: 91.0C Corr. Factor: 0.0C Corr. Temp: 91.0C Plunge Filtered
2	RQ1904369-02	LCS		50mL	6010C/As T, Ba T, Ca T, Cr T, Cu T, Fe T, Mg T, Mn T, Na T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear	0.1000 mL/193077; 0.0500 mL/193078; 0.2500 mL/193076; 0.5000 mL/193084; 0.5000 mL/193085	On HB: 16:06 HB turn off: 2:06 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
3	R1904113-001	SHW3	.11	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
4	R1904113-002	SHW4	.12	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
5	R1904113-003	MW11S	.13	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
6	R1904113-004	RTW	.07	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
7	R1904113-005	MW3S	.06	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
8	R1904113-006	BRW6	.07	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
9	R1904113-007	BRW7	.16	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
10	R1904113-008	DUPE	.03	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
11	R1904123-001	390_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear		
12	R1904123-002	389_2Q2019	.03	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear		
13	RQ1904369-03	R1904123-002 MS	.03	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear	0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193084; 0.5000 mL/193085; 0.2500 mL/193076	
14	RQ1904369-04	R1904123-002 DMS	.03	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear	0.2500 mL/193076; 0.5000 mL/193085; 0.1000 mL/193077; 0.0500 mL/193078; 0.5000 mL/193084	
15	R1904123-003	406_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear		
16	R1904123-004	406 DUP_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Clear		
17	R1904123-005	408_2Q2019	.04	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
18	R1904123-006	575_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
19	R1904123-007	576_2Q2019	.03	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2			50.00mL	Grey-Cloudy/Grey-Cloudy		Plunge Filtered

Preparation Information Benchsheet

Prep Run#: 336344

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/9/19 14:00

20	R1904123-008	265_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Clear		
21	R1904123-009	269_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Clear		
22	R1904123-010	394_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Grey-Cloudy/Grèy-Cloudy		Plunge Filtered
23	R1904123-011	395_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered
24	R1904123-012	396_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		Plunge Filtered

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID 193076	Logbook Ref: M7600007D	Expires On: 02/28/2020	Lot #: 1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9105-CC (199107)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
 Started: 5/9/19 14:00
 Finished: 5/10/19 12:04
 By: KMCLAEN
 Comments

Comments: _____

Reviewed By: Jawoy Date: 5/10/19

Chain of Custody

Relinquished By: <u>Keep McJreen</u>	Date: <u>5/10/19</u>	Extracts Examined Yes No
Received By: <u>RACI</u>	Date: <u>5/10/19</u>	

Preparation Information Benchsheet

Prep Run#: 336345
 Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
 Prep Method: EPA 3005A/3010A

Status: Prepped
 Prep Date/Time: 5/9/19 14:00

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904370-01	MB		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear		HB: 1 Well: 14 Temp: 91.0C Corr. Factor: 0.0C Corr. Temp: 91.0C Plunge Filtered
2	RQ1904370-02	LCS		50mL	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.1000 mL/193077; 0.5000 mL/193084; 0.0500 mL/193078; 0.2500 mL/193076; 0.5000 mL/193085	On HB: 16:06 HB turn off: 2:06 Pipets/Repipettors used: M23,M27,M31,M106,M104 Plunge Filtered
3	R1904022-001	GW3C	.08	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
4	R1904022-002	SGW27A	.05	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
5	R1904022-003	SHW8	.13	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
6	R1904022-004	MW10S	.11	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
7	R1904022-005	GW9R	.13	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
8	R1904022-006	SGW30B	.06	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
9	R1904022-008	MW8BR	.07	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
10	R1904022-009	MW7BR	.02	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
11	R1904022-010	MW6BR	.12	50mL	6010C/As T, Ba T, Ca T, Cr T, Fe T, Mg T, Mn T, Na T	<2			50.00mL	Colorless-Clear		
12	R1904062-001	GSS6-0519	.04	50mL	6010C/Ca T, Cd T, Fe T, K T, Mg T, Mn T, Na T, Pb T	<2			50.00mL	Colorless-Clear		
13	R1904082-001	1905021056Y BLM-36-610	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear		
14	RQ1904370-03	R1904082-001 MS	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.0500 mL/193078; 0.2500 mL/193076; 0.1000 mL/193077; 0.5000 mL/193085; 0.5000 mL/193084	
15	RQ1904370-04	R1904082-001 DMS	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear	0.0500 mL/193078; 0.5000 mL/193085; 0.5000 mL/193084; 0.2500 mL/193076; 0.1000 mL/193077	
16	R1904082-008	1905061011B BLM-8-418	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2			50.00mL	Colorless-Clear		

Preparation Information Benchsheet

Prep Run#: 336345

Prep Workflow: MetDigAqICP

Status: Prepped

Team: Metals/KMCLAEN

Prep Method: EPA 3005A/3010A

Prep Date/Time: 5/9/19 14:00

17	R1904082-013	1905061055Y BLM-36-860	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		
18	R1904082-018	1905061421B BLM-22-570	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		
19	R1904082-019	1905061422B BLM-22-570	.02	50mL	6010C/Ag T, Al T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Se T, Sn T, Sr T, V T, Zn T	<2		50.00mL	Colorless-Clear		
20	R1904115-001	314_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		
21	R1904115-003	484_2Q2019	.01	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		
22	R1904115-004	387_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		
23	R1904115-005	381_2Q2019	.03	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		
24	R1904115-006	480_2Q2019	.06	50mL	6010C/As T, Ba T, Ca T, Cu T, Ni T, Sb T, Se T	<2		50.00mL	Colorless-Cloudy/Colorless-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID 193076	Logbook Ref: M7600007D	Expires On: 02/28/2020	Lot #: 1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID 193077	Logbook Ref: M7600007E	Expires On: 02/28/2020	Lot #: 1801815
Name: Selenium 1000 ug/mL Se	Inventory ID 193078	Logbook Ref: M7600007F	Expires On: 02/28/2020	Lot #: 1809415
Name: Custom LCS STD A Metals	Inventory ID 193084	Logbook Ref: M7600007L	Expires On: 02/14/2020	Lot #: 10070256-
Name: Custom LCS STD B Metals	Inventory ID 193085	Logbook Ref: M7600007M	Expires On: 02/14/2020	Lot #: 10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	Hot Block Cups	50 mL Lot 1812117 (197999)	Nitric Acid Metals Grade HNO3	M7600009S (197992)
Plunger Filter	151011A1-9105-CC (199107)	Thermometer	294 (12954)		

Preparation Steps

Step: Digestion
 Started: 5/9/19 14:00
 Finished: 5/10/19 12:10
 By: KMCLAEN
 Comments

Preparation Information Benchsheet

Prep Run#: 336345
Team: Metals/KMCLAEN

Prep Workflow: MetDigAqICP
Prep Method: EPA 3005A/3010A

Status: Prepped
Prep Date/Time: 5/9/19 14:00

\$ 4022 5/17
4002 5/17
4082 5/17
4113 5/17

20

Comments: _____

Reviewed By: Jaw Date: 5/10/19

Chain of Custody

Relinquished By: <u>Kellie McJannet</u>	Date: <u>5/10/19</u>	Extracts Examined Yes No
Received By: <u>RACI</u>	Date: <u>5/10/19</u>	

Preparation Information Benchsheet

Prep Run#: 336245
 Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
 Prep Method: EPA 3050B

Status: Prepped
 Prep Date/Time: 5/9/19 13:25

#	Lab Code	Client ID	B#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904302-03	MB		0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		HB: 1 Well: I4 Temp: 91.0C/92.0C Corr. Factor: 0.0C Corr. Temp: 91.0C/90.0C
2	RQ1904302-04	LCS		0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Mo T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear	0.2500 mL/193076; 0.0500 mL/193078; 0.5000 mL/193084; 0.5000 mL/193085; 0.1000 mL/193077	On HB: 13:48 Off HB: 16:15 Pipets/Repipettors used: M23,M27,M31,M103,M106 M203,M104
3	R1904024-001	SW-1 Sediment	.04	0.5g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		Tier IV
4	RQ1904302-01	R1904024-001 MS	.04	0.5300g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	White-Coarse/Colorless-Clear	0.0500 mL/193078; 0.2500 mL/193076; 0.5000 mL/193084; 0.1000 mL/193077; 0.5000 mL/193085	
5	RQ1904302-02	R1904024-001 DMS	.04	0.5200g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	White-Coarse/Colorless-Clear	0.5000 mL/193084; 0.1000 mL/193077; 0.0500 mL/193078; 0.2500 mL/193076; 0.5000 mL/193085	
6	R1904024-002	SW-2 Sediment	.01	0.5300g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
7	R1904024-003	SW-3 Sediment	.02	0.5200g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
8	R1904024-004	SW-3P Sediment	.01	0.5400g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
9	R1904024-005	SW-4 Sediment	.02	0.5500g	6010C/Ag T, Al T, As T, B T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
10	R1904026-002	SP-05062019-02	.02	0.5300g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		

Preparation Information Benchsheet

Prep Run#: 336245
 Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
 Prep Method: EPA 3050B

Status: Prepped
 Prep Date/Time: 5/9/19 13:25

11	R1904026-004	SP-05062019-04	.02	0.5200g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
12	R1904026-006	SP-05062019-06	.02	0.5200g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
13	R1904026-008	SP-05062019-08	.02	0.5500g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
14	R1904026-010	SP-05062019-10	.02	0.5g	6010C/Ag T, Al T, As T, Ba T, Be T, Ca T, Cd T, Co T, Cr T, Cu T, Fe T, K T, Mg T, Mn T, Na T, Ni T, Pb T, Sb T, Se T, Ti T, V T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		
15	R1904038-001	Filter Cake	.01	0.5g	6010C/As T, Ba T, Cd T, Cr T, Cu T, K T, Mo T, Ni T, Pb T, Se T, Zn T				50.00mL	Brown-Medium/Yellow-Clear		

Spiking Solutions

Name: Tin 1000 ug/mL Sn	Inventory ID	193076	Logbook Ref:	M7600007D	Expires On:	02/28/2020	Lot #:	1803846
Name: Strontium 1000 ug/mL Sr	Inventory ID	193077	Logbook Ref:	M7600007E	Expires On:	02/28/2020	Lot #:	1801815
Name: Selenium 1000 ug/mL Se	Inventory ID	193078	Logbook Ref:	M7600007F	Expires On:	02/28/2020	Lot #:	1809415
Name: Custom LCS STD A Metals	Inventory ID	193084	Logbook Ref:	M7600007L	Expires On:	02/14/2020	Lot #:	10070256-
Name: Custom LCS STD B Metals	Inventory ID	193085	Logbook Ref:	M7600007M	Expires On:	02/14/2020	Lot #:	10070256-

Preparation Materials

1:1 HCl Metals Grade	M7600009G (197995)	1:1 Nitric Acid Metals Grade	M7600009S (197993)	Hot Block Cups	50 mL Lot 1812117 (197999)
Hydrogen Peroxide 30% Reagent Grade H2O2	M7600008R (195511)	Nitric Acid Metals Grade HNO3	M7600009S (197992)	Plunger Filter	151011A1-9105-CC (199107)
Thermometer	294 (12954)				

Preparation Steps

Step: Digestion
 Started: 5/9/19 13:25
 Finished: 5/9/19 18:00
 By: KMCLAEN
 Comments

Preparation Information Benchsheet

Prep Run#: 336245
Team: Metals/KMCLAEN

Prep Workflow: MetDigSICP
Prep Method: EPA 3050B

Status: Prepped
Prep Date/Time: 5/9/19 13:25

4024 5/17
4020 5/13 RUSH
4038 5/14

(11)

Comments: _____

Reviewed By: Jawors Date: 5/10/19 Spike Witness: LHERRING Date: _____

Chain of Custody

Relinquished By: <u>Keely McJannet</u>	Date: <u>5/10/19</u>	<u>Extracts Examined</u> Yes No
Received By: <u>RACI</u>	Date: <u>5/10/19</u>	

ICP ICV/CCV (Standard is prepared daily)
 (ICV FOR ILM5.3 IS A 1/2 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M7600009U	5000	1.00	200	25.0
	MG		5000			25.0
	K		5000			25.0
	NA		5000			25.0
Cal Std 2	AG	M7600009W	100	1.00		0.500
	CR		100			0.500
	MN		150			0.750
	NI		400			2.00
	ZN		200			1.00
Cal Std 3	AL	M7600009X	2000	1.00		10.0
	BA		2000			10.0
	BE		50			0.250
	CO		500			2.50
	CU		250			1.25
	FE		1000			5.00
	V		500			2.50
Cal Std 4	AS	M7600009V	100	2.00		1.00
	CD		50			0.500
	PB		50			0.500
	SE		50			0.500
	TL		100			1.00
Single Metals	SB	M7600009P	1000	1.00		5.00
	SN	M7600009A	1000	1.00		5.00
	B	M7600009K	1000	0.500		2.50
	MO	M7600009L	1000	0.500		2.50
	TI	M7600009I	1000	0.500		2.50
	SR	M7600009T	1000	0.500		2.50
	P		1000	1.00		5.00

Analyst/ Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Pipet ID
5/6/19 LH	A	M7600009S10/	M7600009H5/	M35
5/7/19 LH	B	M7600009S10/	M7600009H5/	M35
5/8/19 LH	C	M7600009S10/	M7600009H5/	M35
5/9/19 LH	D	M7600009S10/	M7600009H5/	M35
5/10/19 LH	E	M7600009S10/	M7600009H5/	M35
	F			
	G			
	H			
	I			
	J			
	K			
	L			
	M			
	N			
	O			
	P			
	Q			
	R			
	S			
	T			
	U			
	V			
	W			
	X			
	Y			
	Z			
	AA			
	BB			

OPTIMA 3,4,5,6 CALIBRATION STANDARD #1 (Standard is prepared weekly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std. 1 Int.	AL	M7600002A	20.0	1.00	1000	0.020
	AS		5.00			0.0050
	CD		1.00			0.0010
	CO		3.00			0.0030
	CR		5.00			0.0050
	PB		5.00			0.0050
	V		3.00			0.0030
Cal Std. 1	CA	M7600002E	5000	0.100		BELOW
	K		5000			0.500
	MG		5000			0.500
	NA		5000			0.500
Single Element	BA	M7600007H	1000	0.020		0.020
	CU	M7600007K	1000	0.010		0.010
	K	M7600000S	10000	0.150		2.00
	MN	M7600000SG	1000	0.010		0.010
	MO	M76000008J	1000	0.025		0.025
	SB	M76000007C	1000	0.010		0.010
	TL	M76000009D	1000	0.010		0.010
	ZN	M76000003V	1000	0.010		0.010
	P	-	1000	0.100		0.100

Analyst/ Date	Letter ID	Nitric Acid Lot#/ Concentration	Hydrochloric Acid Lot#/ Concentration	Expiration Date	Pipet ID
LH 3/1/19	A	M7600008F 2%	M7600009H 5%	5/31/19	M35 M25
LH 3/1/19	B	M7600000F 10%	M7600009H 5%	5/31/19	M35 M25
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

ICP CALIBRATION STANDARD #2

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Element	AL	M76000015	1000	0.100	1000	0.100
	AS	M7600001X	1000	0.010		0.010
	B	M7600000X	1000	0.200		0.200
	BE	M76000069 (1/10)	100	0.030		0.003
	CA	M7600005R	10000	0.100		1.00
	CD	M76000004 (1/10)	100	0.050		0.005
	CU	M76000057K	1000	0.020		0.020
	K	M76000055	10000	0.200		2.00
	MG	M7600005L	10000	0.100		1.00
	NA	M7600009Y	10000	0.100		1.00
	PB	M7600005H	1000	0.050		0.050
	SB	M76000057C	1000	0.060		0.060
	SE	M76000057F	1000	0.010		0.010
	SN	M76000057D	1000	0.500		0.500

Analyst/Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
4/1/19 LH	A	M76000057 2/	M76000057 5/	9/25/19	M25, M32
4/1/19 LH	B	M76000057 10/	M76000057 5/	9/25/19	M25, M32
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

every 6 months

ICP CALIBRATION STANDARD #5 / HLCCV1 (Standard is prepared monthly or as necessary)
 (CALIBRATION STANDARD #3 IS A 1/100 DILUTION OF THIS STANDARD)
 (CALIBRATION STANDARD #4 IS A 1/5 DILUTION OF THIS STANDARD)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M760000CK	100	2.00	200	1.00
	CR		100	5.00	500	1.00
	MN		150			1.50
	NI		400			4.00
	ZN		200			2.00
Cal Std 3	AL	M760000OL	2000	2.00		20.0
	BA		2000	5.00		20.0
	BE		50			0.500
	CO		500			5.00
	CU		250			2.50
	FE		1000			10.0
Cal Std 4	V		500			5.00
	AS	M760000GM	100	4.00		2.00
	CD		50	10.00		1.00
	PB		50			1.00
	SE		50			1.00
Single Metals	TL		100			2.00
	CA	M760000SR	10000	1.00	2.50	50.0
	MG	M760000SL	10000	1.00	2.50	50.0
	K	M760000SS	10000	1.00	2.50	50.0
	NA	M760000PY	10000	1.00	2.50	50.0
	SB	M760000ZC	1000	2.00	5.00	10.0
	SN	M760000TD	1000	2.00	5.00	10.0
	B	M760000SX	1000	1.00	2.50	5.00
	MO	M760000SY	1000	1.00	2.50	5.00
	TI	M760000TG	1000	1.00	2.50	5.00
SR	M760000TE	1000	1.00	2.50	5.00	

Analyst/Date	Letter ID	Nitric Acid Lot#/Concentration	Hydrochloric Acid Lot #/Concentration	Expiration Date	Pipet ID
LH 4/25/19	A	M76000095 2%	M76000096 5%	9/22/19	M32, M35
LH 4/25/19	B	M76000095 10%	M76000096 5%	9/22/19	M32, M35
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP MRL (Standard is prepared every 6 months or as needed)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 1	CA	M76000092	5000	0.200	1000	1.00
	MG		5000			1.00
	K		5000			1.00
	NA		5000			1.00
Cal Std 2	AG	M76000102	100	0.100		0.0100
	CR		100		0.0100	
	MN		150		0.0150	
	NI		400		0.0400	
	ZN		200		0.0200	
Cal Std 3	AL	M76000092	2000	0.100		0.200
	BA		2000		0.200	
	BE		50		0.0050	
	CO		500		0.0500	
	CU		250		0.0250	
	FE		1000		0.100	
	V		500		0.0500	
Cal Std 4	AS	M76000104	100	0.200		0.0200
	CD		50		0.0100	
	PB		50		0.0100	
	SE		50		0.0100	
	TL		100		0.0200	
Single Metals	B	M76000092	1000	0.200		0.200
	MO	M76000092	1000	0.025		0.0250
	SN	M76000092	1000	0.500		0.500
	TI	M76000092	1000	0.050		0.0500
	SB	M76000092	1000	0.060		0.0600
	SR	M76000092	1000	0.100		0.100
	P	-	1000	0.100		0.100

Analyst/Date	Letter ID	Nitric Acid Lot# / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 4/26/19	A	M76000095	M76000096	10/26/19	M25 M8
	B				
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				
	BB				

ICP HLCCV2 (Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Cal Std 2	AG	M7600008M	100	2.00	100	2.00
	CR		100			Below
	MN		150			Below
	NI		400			8.00
	ZN		200			4.00
Cal Std 3	AL	M7600008N	2000	2.00		Below
	BA		2000			40.0
	BE		50			1.00
	CO, V		500			10.0
	CU		250			5.00
	FE		1000			Below
Cal Std 4	AS, TL	M7600008D	100	4.00		4.00
	CD, SE		50			2.00
	PB		50			Below
Single Metals	B	M7600008X	1000	1.00		10.0
	MO	M7600008Y	1000	1.00		10.0
	TI	M7600007L	1000	1.00		10.0
	SR	M7600007G	1000	1.00		10.0
	CA	M7600005R	10000	2.50		250
	MG	M7600005L	10000	5.00		500
	NA	M7600009Y	10000	1.50	2.00	150 2.00
	CR	M7600006H	1000	0.800	3.19/19	10.0
	FE	M7600007J	10000	0.300	LL	50
	AL	M7600006R	10000	4.60		500
	MN	M7600005G	1000	0.700		10.00
	PB	M7600005H	1000	0.800		10.0
	K	M7600005S	10000	1.50		150

Analyst/Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M7600008F 2%	M7600008H 5%	4/13/19	M35
LH 3/13/19	B	M7600008F 10%	M7600008H 5%	4/13/19	M35
LH 3/17/19	C	M7600008F 2%	M7600008H 5%	4/19/19	M35
LH 4/13/19	D	M7600008F 10%	M7600008H 5%	4/13/19	M35
CK 4/18/19	E	M7600008S 2%	M7600009G 5%	5/18/19	M35
LH 5/7/2019	F	M7600009S 10%	M7600009G 5%	5/24/19	M35
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				
	W				
	X				
	Y				
	Z				
	AA				

ICP HLCCV3

(Standard is prepared monthly or as necessary)

	Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Single Elements	CA	M76000552	10000	2.00	100	200
	CU	M7600057K	1000	0.40		4.00
	FE	M760007J	10000	0.40		40.0
	K	M7600055	10000	1.00		100
	TL	M760009D	1000	0.30		3.00
	NG	M760009Y	10000	1.50		150

Analyst / Date	Letter ID	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/13/19	A	M760005F2/	M760009H5/	4/13/19	M35
LH 3/13/19	B	M760009F10/	M760009H5/	4/13/19	M35
LH 4/5/19	C	M760009S10/	M760009H5/	5/4/19	M35
LH 4/12/19	D	M760009S21/	M760009G5/	5/12/19	M35
LH 5/1/19	E	M760009S10/	M760009G5/	6/1/19	M35
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				

ICP ICESA STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M76000097I	Multi	50	1000	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250

Analyst/ Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 9/28/19	A	M7600008F21	M7600009H51	9/28/19	Volumetric
LH 9/20/19	B	M7600008F181	M7600009H51	9/20/19	Volumetric
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP ICSAB STANDARD (Standard is prepared every 6 months or as necessary)

Element	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)
Int. A Sol'n	M76000091	Multi	25	500	Multi
AL		5000			250
CA		5000			250
FE		2000			100
MG		5000			250
Int. B Sol'n	M76000090	Multi	5		Multi
AG		20			0.200
BA		50			0.500
BE		50			0.500
CD		100			1.00
CO		50			0.500
CR		50			0.500
CU		50			0.500
MN		50			0.500
NI		100			1.00
PB		5			0.0500
V		50			0.500
ZN		100			1.00
AS		10			0.100
SB		60			0.600
SE		5			0.0500
TL		10			0.100

Analyst/Date	ID Letter	Nitric Acid Lot # / Concentration	Hydrochloric Acid Lot # / Concentration	Expiration Date	Pipet ID
LH 3/20/19	A	M76000087	M76000089H5	9/20/19	VA under
LH 4/9/19	B	M7400009510	M7600009H5	8/10/19	VA under
	C				
	D				
	E				
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
	R				
	S				
	T				
	U				
	V				

ICP INTERNAL STANDARD (ADDED ON-LINE)

Metal	ALS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot #	Hydro-chloric Acid Lot #	Expiration Date	Pipet ID
Y	M7600009Q	10000	2.0	2000	10.0	5% HCl 2% HNO3	LH 4/21/19	A	M7600009S	M7600009A	10/24/19	M35
CS	M7600009R	10000	2.0		10.0		LH 5/7/19	B	M7600009S	M7600009A	11/2/19	M35
							LH 4/5/19	C	M7600009S	M7600009H	7/16/19	M35
								D				
								E				
								F				
								G				
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				
								T				
								V				

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635184 Method/Testcode: 6010C/As TCLP

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904371-01	Arsenic	MB		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:37:22	N	II
RQ1904371-01	Barium	MB		Soil	0.00 ppm	50 mL	1.0 mg/L U	1	0.5	1.0			5/10/19 14:37:22	N	II
RQ1904371-01	Cadmium	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:37:22	N	II
RQ1904371-01	Chromium	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:37:22	N	II
RQ1904371-01	Lead	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:37:22	N	II
RQ1904371-01	Selenium	MB		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:37:22	N	II
RQ1904371-01	Silver	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:37:22	N	II
RQ1904325-01	Arsenic	MB		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:40:42	N	II
RQ1904325-01	Barium	MB		Soil	0.00 ppm	50 mL	1.0 mg/L U	1	0.5	1.0			5/10/19 14:40:42	N	II
RQ1904325-01	Cadmium	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:40:42	N	II
RQ1904325-01	Chromium	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:40:42	N	II
RQ1904325-01	Lead	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:40:42	N	II
RQ1904325-01	Selenium	MB		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:40:42	N	II
RQ1904325-01	Silver	MB		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:40:42	N	IV
RQ1904371-02	Arsenic	LCS		Soil	1.01 ppm	50 mL	1.01 mg/L	1	0.25	0.50	101		5/10/19 14:44:01	N	II
RQ1904371-02	Barium	LCS		Soil	2.12 ppm	50 mL	2.12 mg/L	1	0.5	1.0	106		5/10/19 14:44:01	N	II
RQ1904371-02	Cadmium	LCS		Soil	0.52 ppm	50 mL	0.516 mg/L	1	0.05	0.10	103		5/10/19 14:44:01	N	II
RQ1904371-02	Chromium	LCS		Soil	0.52 ppm	50 mL	0.517 mg/L	1	0.05	0.10	103		5/10/19 14:44:01	N	II
RQ1904371-02	Lead	LCS		Soil	0.53 ppm	50 mL	0.531 mg/L	1	0.05	0.10	106		5/10/19 14:44:01	N	II
RQ1904371-02	Selenium	LCS		Soil	1.01 ppm	50 mL	1.01 mg/L	1	0.25	0.50	101		5/10/19 14:44:01	N	II
RQ1904371-02	Silver	LCS		Soil	0.26 ppm	50 mL	0.255 mg/L	1	0.05	0.10	102		5/10/19 14:44:01	N	II
R1903839-002	Arsenic	N/A		Soil	0.01 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:47:21	N	II
R1903839-002	Barium	N/A		Soil	0.43 ppm	50 mL	1.0 mg/L U	1	0.5	1.0			5/10/19 14:47:21	N	II
R1903839-002	Cadmium	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:47:21	N	II
R1903839-002	Chromium	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:47:21	N	II
R1903839-002	Lead	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:47:21	N	II
R1903839-002	Selenium	N/A		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:47:21	N	II
R1903839-002	Silver	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:47:21	N	II
R1903897-001	Arsenic	N/A		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:50:41	N	II
R1903897-001	Barium	N/A		Soil	0.15 ppm	50 mL	1.0 mg/L U	1	0.5	1.0			5/10/19 14:50:41	N	II
R1903897-001	Cadmium	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:50:41	N	II
R1903897-001	Chromium	N/A		Soil	0.01 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:50:41	N	II
R1903897-001	Lead	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:50:41	N	II
R1903897-001	Selenium	N/A		Soil	-0.01 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:50:41	N	II
R1903897-001	Silver	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:50:41	N	II
R1903934-001	Arsenic	N/A		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:54:01	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635184 Method/Testcode: 6010C/Ba TCLP

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1903934-001	Barium	N/A		Soil	0.06 ppm	50 mL	1.0 mg/L U	1	0.5	1.0			5/10/19 14:54:01	N	II
R1903934-001	Cadmium	N/A		Soil	0.02 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:54:01	N	II
R1903934-001	Chromium	N/A		Soil	0.40 ppm	50 mL	0.40 mg/L	1	0.05	0.10			5/10/19 14:54:01	N	II
R1903934-001	Lead	N/A		Soil	0.01 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:54:01	N	II
R1903934-001	Selenium	N/A		Soil	0.01 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 14:54:01	N	II
R1903934-001	Silver	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 14:54:01	N	II
RQ1904371-03	Arsenic	MS	R1903934-001	Soil	1.11 ppm	50 mL	1.11 mg/L	1	0.25	0.50	111		5/10/19 14:57:21	N	II
RQ1904371-03	Barium	MS	R1903934-001	Soil	2.10 ppm	50 mL	2.1 mg/L	1	0.5	1.0	105		5/10/19 14:57:21	N	II
RQ1904371-03	Cadmium	MS	R1903934-001	Soil	0.52 ppm	50 mL	0.52 mg/L	1	0.05	0.10	104		5/10/19 14:57:21	N	II
RQ1904371-03	Chromium	MS	R1903934-001	Soil	0.90 ppm	50 mL	0.90 mg/L	1	0.05	0.10	99		5/10/19 14:57:21	N	II
RQ1904371-03	Lead	MS	R1903934-001	Soil	0.49 ppm	50 mL	0.49 mg/L	1	0.05	0.10	97		5/10/19 14:57:21	N	II
RQ1904371-03	Selenium	MS	R1903934-001	Soil	1.16 ppm	50 mL	1.16 mg/L	1	0.25	0.50	116		5/10/19 14:57:21	N	II
RQ1904371-03	Silver	MS	R1903934-001	Soil	0.27 ppm	50 mL	0.27 mg/L	1	0.05	0.10	109		5/10/19 14:57:21	N	II
RQ1904371-04	Arsenic	DMS	R1903934-001	Soil	1.11 ppm	50 mL	1.11 mg/L	1	0.25	0.50	111	<1	5/10/19 15:00:41	N	II
RQ1904371-04	Barium	DMS	R1903934-001	Soil	2.09 ppm	50 mL	2.1 mg/L	1	0.5	1.0	104	<1	5/10/19 15:00:41	N	II
RQ1904371-04	Cadmium	DMS	R1903934-001	Soil	0.52 ppm	50 mL	0.52 mg/L	1	0.05	0.10	103	<1	5/10/19 15:00:41	N	II
RQ1904371-04	Chromium	DMS	R1903934-001	Soil	0.88 ppm	50 mL	0.88 mg/L	1	0.05	0.10	97	1	5/10/19 15:00:41	N	II
RQ1904371-04	Lead	DMS	R1903934-001	Soil	0.48 ppm	50 mL	0.48 mg/L	1	0.05	0.10	97	<1	5/10/19 15:00:41	N	II
RQ1904371-04	Selenium	DMS	R1903934-001	Soil	1.16 ppm	50 mL	1.16 mg/L	1	0.25	0.50	116	<1	5/10/19 15:00:41	N	II
RQ1904371-04	Silver	DMS	R1903934-001	Soil	0.27 ppm	50 mL	0.27 mg/L	1	0.05	0.10	110	<1	5/10/19 15:00:41	N	II
R1903955-001	Arsenic	N/A		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 15:10:40	N	IV
R1903955-001	Barium	N/A		Soil	0.58 ppm	50 mL	0.6 mg/L J	1	0.5	1.0			5/10/19 15:10:40	N	IV
R1903955-001	Cadmium	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 15:10:40	N	IV
R1903955-001	Chromium	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 15:10:40	N	IV
R1903955-001	Lead	N/A		Soil	0.04 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 15:10:40	N	IV
R1903955-001	Selenium	N/A		Soil	0.00 ppm	50 mL	0.50 mg/L U	1	0.25	0.50			5/10/19 15:10:40	N	IV
R1903955-001	Silver	N/A		Soil	0.00 ppm	50 mL	0.10 mg/L U	1	0.05	0.10			5/10/19 15:10:40	N	IV

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635185 Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904038-002	Selenium, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	5	10			5/10/19 16:18:01	N	II
R1903829-008	Sodium, Total	N/A		Water	21.27 ppm	50 mL	213000 µg/L	10	2000	10000			5/10/19 16:21:20	Y	IV
RQ1904295-03	Sodium, Total	MS	R1903829-008	Water	22.63 ppm	50 mL	226000 µg/L	10	2000	10000	68*		5/10/19 16:24:40	N	IV
RQ1904295-04	Sodium, Total	DMS	R1903829-008	Water	22.46 ppm	50 mL	225000 µg/L	10	2000	10000	60*	<1	5/10/19 16:27:59	N	IV
R1904038-002	Potassium, Total	N/A		Water	37.10 ppm	50 mL	371000 µg/L	10	2000	20000			5/10/19 16:37:59	N	II
R1904038-002	Zinc, Total	N/A		Water	0.41 ppm	50 mL	4060 µg/L	10	100	200			5/10/19 16:37:59	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

635186

Method/Testcode: 6010C/Sb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904369-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/10/19 17:17:53	N	II
RQ1904369-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:17:53	N	II
RQ1904369-01	Barium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	3	20			5/10/19 17:17:53	N	II
RQ1904369-01	Calcium, Total	MB		Water	0.04 ppm	50 mL	1000 µg/L U	1	300	1000			5/10/19 17:17:53	N	II
RQ1904369-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:17:53	N	II
RQ1904369-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/10/19 17:17:53	N	II
RQ1904369-01	Iron, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 17:17:53	N	II
RQ1904369-01	Magnesium, Total	MB		Water	0.00 ppm	50 mL	1000 µg/L U	1	30	1000			5/10/19 17:17:53	N	II
RQ1904369-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:17:53	N	II
RQ1904369-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/10/19 17:17:53	N	II
RQ1904369-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/10/19 17:17:53	N	II
RQ1904369-01	Sodium, Total	MB		Water	0.06 ppm	50 mL	1000 µg/L U	1	200	1000			5/10/19 17:17:53	N	II
RQ1904369-02	Antimony, Total	LCS		Water	0.48 ppm	50 mL	483 µg/L	1	5	60	97		5/10/19 17:21:14	N	II
RQ1904369-02	Arsenic, Total	LCS		Water	0.04 ppm	50 mL	41.2 µg/L	1	4	10	103		5/10/19 17:21:14	N	II
RQ1904369-02	Barium, Total	LCS		Water	2.08 ppm	50 mL	2080 µg/L	1	3	20	104		5/10/19 17:21:14	N	II
RQ1904369-02	Calcium, Total	LCS		Water	1.99 ppm	50 mL	1990 µg/L	1	300	1000	99		5/10/19 17:21:14	N	II
RQ1904369-02	Chromium, Total	LCS		Water	0.20 ppm	50 mL	204 µg/L	1	0.6	10	102		5/10/19 17:21:14	N	II
RQ1904369-02	Copper, Total	LCS		Water	0.25 ppm	50 mL	249 µg/L	1	4	20	100		5/10/19 17:21:14	N	II
RQ1904369-02	Iron, Total	LCS		Water	0.99 ppm	50 mL	990 µg/L	1	20	100	99		5/10/19 17:21:14	N	II
RQ1904369-02	Magnesium, Total	LCS		Water	2.02 ppm	50 mL	2020 µg/L	1	30	1000	101		5/10/19 17:21:14	N	II
RQ1904369-02	Manganese, Total	LCS		Water	0.50 ppm	50 mL	505 µg/L	1	4	10	101		5/10/19 17:21:14	N	II
RQ1904369-02	Nickel, Total	LCS		Water	0.51 ppm	50 mL	509 µg/L	1	3	40	102		5/10/19 17:21:14	N	II
RQ1904369-02	Selenium, Total	LCS		Water	1.04 ppm	50 mL	1040 µg/L	1	5	10	103		5/10/19 17:21:14	N	II
RQ1904369-02	Sodium, Total	LCS		Water	20.15 ppm	50 mL	20100 µg/L	1	200	1000	101		5/10/19 17:21:14	N	II
R1904113-001	Arsenic, Total	N/A		Water	0.06 ppm	50 mL	63 µg/L	1	4	10			5/10/19 17:24:33	N	II
R1904113-001	Barium, Total	N/A		Water	2.69 ppm	50 mL	2690 µg/L	1	3	20			5/10/19 17:24:33	N	II
R1904113-001	Calcium, Total	N/A		Water	67.50 ppm	50 mL	67500 µg/L	1	300	1000			5/10/19 17:24:33	N	II
R1904113-001	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:24:33	N	II
R1904113-001	Iron, Total	N/A		Water	4.92 ppm	50 mL	4920 µg/L	1	20	100			5/10/19 17:24:33	N	II
R1904113-001	Magnesium, Total	N/A		Water	177.06 ppm	50 mL	177000 µg/L	1	30	1000			5/10/19 17:24:33	N	II
R1904113-001	Manganese, Total	N/A		Water	0.10 ppm	50 mL	97 µg/L	1	4	10			5/10/19 17:24:33	N	II
R1904113-001	Sodium, Total	N/A		Water	71.02 ppm	50 mL	71000 µg/L	1	200	1000			5/10/19 17:24:33	N	II
R1904113-002	Arsenic, Total	N/A		Water	0.09 ppm	50 mL	86 µg/L	1	4	10			5/10/19 17:27:53	N	II
R1904113-002	Barium, Total	N/A		Water	5.60 ppm	50 mL	5600 µg/L	1	3	20			5/10/19 17:27:53	N	II
R1904113-002	Calcium, Total	N/A		Water	59.67 ppm	50 mL	59700 µg/L	1	300	1000			5/10/19 17:27:53	N	II
R1904113-002	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:27:53	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635186 Method/Testcode: 6010C/Fe T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904113-002	Iron, Total	N/A		Water	5.14 ppm	50 mL	5140 µg/L	1	20	100			5/10/19 17:27:53	N	II
1904113-002	Magnesium, Total	N/A		Water	112.16 ppm	50 mL	112000 µg/L	1	30	1000			5/10/19 17:27:53	N	II
1904113-002	Manganese, Total	N/A		Water	0.34 ppm	50 mL	336 µg/L	1	4	10			5/10/19 17:27:53	N	II
1904113-002	Sodium, Total	N/A		Water	118.68 ppm	50 mL	119000 µg/L	1	200	1000			5/10/19 17:27:53	N	II
1904113-003	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:31:12	N	II
1904113-003	Barium, Total	N/A		Water	0.08 ppm	50 mL	77 µg/L	1	3	20			5/10/19 17:31:12	N	II
1904113-003	Calcium, Total	N/A		Water	40.17 ppm	50 mL	40200 µg/L	1	300	1000			5/10/19 17:31:12	N	II
1904113-003	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:31:12	N	II
1904113-003	Iron, Total	N/A		Water	0.03 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 17:31:12	N	II
1904113-003	Magnesium, Total	N/A		Water	6.74 ppm	50 mL	6700 µg/L	1	30	1000			5/10/19 17:31:12	N	II
1904113-003	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:31:12	N	II
1904113-003	Sodium, Total	N/A		Water	25.12 ppm	50 mL	25100 µg/L	1	200	1000			5/10/19 17:31:12	N	II
1904113-004	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:34:32	N	II
1904113-004	Barium, Total	N/A		Water	0.84 ppm	50 mL	840 µg/L	1	3	20			5/10/19 17:34:32	N	II
1904113-004	Calcium, Total	N/A		Water	116.61 ppm	50 mL	117000 µg/L	1	300	1000			5/10/19 17:34:32	N	II
1904113-004	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:34:32	N	II
1904113-004	Iron, Total	N/A		Water	0.43 ppm	50 mL	430 µg/L	1	20	100			5/10/19 17:34:32	N	II
1904113-004	Magnesium, Total	N/A		Water	77.07 ppm	50 mL	77100 µg/L	1	30	1000			5/10/19 17:34:32	N	II
1904113-004	Manganese, Total	N/A		Water	1.78 ppm	50 mL	1780 µg/L	1	4	10			5/10/19 17:34:32	N	II
1904113-004	Sodium, Total	N/A		Water	41.09 ppm	50 mL	41100 µg/L	1	200	1000			5/10/19 17:34:32	N	II
1904113-005	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:37:52	N	II
1904113-005	Barium, Total	N/A		Water	0.45 ppm	50 mL	450 µg/L	1	3	20			5/10/19 17:37:52	N	II
1904113-005	Calcium, Total	N/A		Water	90.24 ppm	50 mL	90200 µg/L	1	300	1000			5/10/19 17:37:52	N	II
1904113-005	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:37:52	N	II
1904113-005	Iron, Total	N/A		Water	12.99 ppm	50 mL	13000 µg/L	1	20	100			5/10/19 17:37:52	N	II
1904113-005	Magnesium, Total	N/A		Water	20.58 ppm	50 mL	20600 µg/L	1	30	1000			5/10/19 17:37:52	N	II
1904113-005	Manganese, Total	N/A		Water	1.27 ppm	50 mL	1270 µg/L	1	4	10			5/10/19 17:37:52	N	II
1904113-005	Sodium, Total	N/A		Water	7.67 ppm	50 mL	7700 µg/L	1	200	1000			5/10/19 17:37:52	N	II
1904113-006	Arsenic, Total	N/A		Water	0.11 ppm	50 mL	113 µg/L	1	4	10			5/10/19 17:41:11	N	II
1904113-006	Barium, Total	N/A		Water	0.05 ppm	50 mL	54 µg/L	1	3	20			5/10/19 17:41:11	N	II
1904113-006	Calcium, Total	N/A		Water	3.23 ppm	50 mL	3200 µg/L	1	300	1000			5/10/19 17:41:11	N	II
1904113-006	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:41:11	N	II
1904113-006	Iron, Total	N/A		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 17:41:11	N	II
1904113-006	Magnesium, Total	N/A		Water	3.15 ppm	50 mL	3200 µg/L	1	30	1000			5/10/19 17:41:11	N	II
1904113-006	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:41:11	N	II
1904113-006	Sodium, Total	N/A		Water	182.68 ppm	50 mL	183000 µg/L	1	200	1000			5/10/19 17:41:11	N	II

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635186 Method/Testcode: 6010C/As T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904113-007	Arsenic, Total	N/A		Water	0.05 ppm	50 mL	52 µg/L	1	4	10			5/10/19 17:44:31	N	II
R1904113-007	Barium, Total	N/A		Water	0.07 ppm	50 mL	71 µg/L	1	3	20			5/10/19 17:44:31	N	II
R1904113-007	Calcium, Total	N/A		Water	2.04 ppm	50 mL	2000 µg/L	1	300	1000			5/10/19 17:44:31	N	II
R1904113-007	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:44:31	N	II
R1904113-007	Iron, Total	N/A		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 17:44:31	N	II
R1904113-007	Magnesium, Total	N/A		Water	-0.01 ppm	50 mL	1000 µg/L U	1	30	1000			5/10/19 17:44:31	N	II
R1904113-007	Manganese, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 17:44:31	N	II
R1904113-007	Sodium, Total	N/A		Water	187.59 ppm	50 mL	188000 µg/L	1	200	1000			5/10/19 17:44:31	N	II
R1904113-008	Arsenic, Total	N/A		Water	0.06 ppm	50 mL	58 µg/L	1	4	10			5/10/19 17:47:50	N	II
R1904113-008	Barium, Total	N/A		Water	2.67 ppm	50 mL	2670 µg/L	1	3	20			5/10/19 17:47:50	N	II
R1904113-008	Calcium, Total	N/A		Water	67.08 ppm	50 mL	67100 µg/L	1	300	1000			5/10/19 17:47:50	N	II
R1904113-008	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 17:47:50	N	II
R1904113-008	Iron, Total	N/A		Water	4.89 ppm	50 mL	4890 µg/L	1	20	100			5/10/19 17:47:50	N	II
R1904113-008	Magnesium, Total	N/A		Water	171.19 ppm	50 mL	171000 µg/L	1	30	1000			5/10/19 17:47:50	N	II
R1904113-008	Manganese, Total	N/A		Water	0.12 ppm	50 mL	119 µg/L	1	4	10			5/10/19 17:47:50	N	II
R1904113-008	Sodium, Total	N/A		Water	71.05 ppm	50 mL	71000 µg/L	1	200	1000			5/10/19 17:47:50	N	II
R1904123-001	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 17:57:49	N	II
R1904123-001	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.004 mg/L J	1	0.004	0.010			5/10/19 17:57:49	N	II
R1904123-001	Barium, Total	N/A		Water	0.83 ppm	50 mL	0.829 mg/L	1	0.003	0.020			5/10/19 17:57:49	N	II
R1904123-001	Calcium, Total	N/A		Water	213.17 ppm	50 mL	213 mg/L	1	0.3	1.0			5/10/19 17:57:49	N	II
R1904123-001	Copper, Total	N/A		Water	0.01 ppm	50 mL	0.005 mg/L J	1	0.004	0.020			5/10/19 17:57:49	N	II
R1904123-001	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 17:57:49	N	II
R1904123-001	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 17:57:49	N	II
R1904123-002	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:01:08	Y	II
R1904123-002	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 18:01:08	Y	II
R1904123-002	Barium, Total	N/A		Water	0.32 ppm	50 mL	0.317 mg/L	1	0.003	0.020			5/10/19 18:01:08	Y	II
R1904123-002	Calcium, Total	N/A		Water	131.49 ppm	50 mL	131 mg/L	1	0.3	1.0			5/10/19 18:01:08	Y	II
R1904123-002	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.004 mg/L J	1	0.004	0.020			5/10/19 18:01:08	Y	II
R1904123-002	Nickel, Total	N/A		Water	-0.02 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:01:08	Y	II
R1904123-002	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:01:08	Y	II
RQ1904369-03	Antimony, Total	MS	R1904123-002	Water	0.49 ppm	50 mL	494 µg/L	1	5	60	99		5/10/19 18:04:28	N	II
RQ1904369-03	Arsenic, Total	MS	R1904123-002	Water	0.04 ppm	50 mL	38 µg/L	1	4	10	96		5/10/19 18:04:28	N	II
RQ1904369-03	Barium, Total	MS	R1904123-002	Water	2.37 ppm	50 mL	2370 µg/L	1	3	20	102		5/10/19 18:04:28	N	II
RQ1904369-03	Calcium, Total	MS	R1904123-002	Water	133.34 ppm	50 mL	133000 µg/L	1	300	1000	92		5/10/19 18:04:28	N	II
RQ1904369-03	Copper, Total	MS	R1904123-002	Water	0.25 ppm	50 mL	250 µg/L	1	4	20	98		5/10/19 18:04:28	N	II
RQ1904369-03	Nickel, Total	MS	R1904123-002	Water	0.47 ppm	50 mL	474 µg/L	1	3	40	95		5/10/19 18:04:28	N	II

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635186 Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904369-03	Selenium, Total	MS	R1904123-002	Water	1.07 ppm	50 mL	1070 µg/L	1	5	10	106		5/10/19 18:04:28	N	II
RQ1904369-04	Antimony, Total	DMS	R1904123-002	Water	0.49 ppm	50 mL	495 µg/L	1	5	60	99	<1	5/10/19 18:07:49	N	II
RQ1904369-04	Arsenic, Total	DMS	R1904123-002	Water	0.04 ppm	50 mL	38 µg/L	1	4	10	96	<1	5/10/19 18:07:49	N	II
RQ1904369-04	Barium, Total	DMS	R1904123-002	Water	2.38 ppm	50 mL	2380 µg/L	1	3	20	103	<1	5/10/19 18:07:49	N	II
RQ1904369-04	Calcium, Total	DMS	R1904123-002	Water	135.05 ppm	50 mL	135000 µg/L	1	300	1000	178	1	5/10/19 18:07:49	N	II
RQ1904369-04	Copper, Total	DMS	R1904123-002	Water	0.25 ppm	50 mL	251 µg/L	1	4	20	99	<1	5/10/19 18:07:49	N	II
RQ1904369-04	Nickel, Total	DMS	R1904123-002	Water	0.48 ppm	50 mL	476 µg/L	1	3	40	95	<1	5/10/19 18:07:49	N	II
RQ1904369-04	Selenium, Total	DMS	R1904123-002	Water	1.08 ppm	50 mL	1080 µg/L	1	5	10	107	<1	5/10/19 18:07:49	N	II
R1904123-003	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:17:47	N	II
R1904123-003	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/10/19 18:17:47	N	II
R1904123-003	Barium, Total	N/A		Water	0.06 ppm	50 mL	0.056 mg/L	1	0.003	0.020			5/10/19 18:17:47	N	II
R1904123-003	Calcium, Total	N/A		Water	77.75 ppm	50 mL	77.7 mg/L	1	0.3	1.0			5/10/19 18:17:47	N	II
R1904123-003	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U 1	0.004	0.020			5/10/19 18:17:47	N	II
R1904123-003	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L	U 1	0.003	0.040			5/10/19 18:17:47	N	II
R1904123-003	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:17:47	N	II
R1904123-004	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:21:07	N	II
R1904123-004	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/10/19 18:21:07	N	II
R1904123-004	Barium, Total	N/A		Water	0.06 ppm	50 mL	0.057 mg/L	1	0.003	0.020			5/10/19 18:21:07	N	II
R1904123-004	Calcium, Total	N/A		Water	78.75 ppm	50 mL	78.7 mg/L	1	0.3	1.0			5/10/19 18:21:07	N	II
R1904123-004	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U 1	0.004	0.020			5/10/19 18:21:07	N	II
R1904123-004	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L	U 1	0.003	0.040			5/10/19 18:21:07	N	II
R1904123-004	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:21:07	N	II
R1904123-005	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:24:27	N	II
R1904123-005	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/10/19 18:24:27	N	II
R1904123-005	Barium, Total	N/A		Water	0.09 ppm	50 mL	0.094 mg/L	1	0.003	0.020			5/10/19 18:24:27	N	II
R1904123-005	Calcium, Total	N/A		Water	125.34 ppm	50 mL	125 mg/L	1	0.3	1.0			5/10/19 18:24:27	N	II
R1904123-005	Copper, Total	N/A		Water	0.34 ppm	50 mL	0.341 mg/L	1	0.004	0.020			5/10/19 18:24:27	N	II
R1904123-005	Nickel, Total	N/A		Water	0.00 ppm	50 mL	0.040 mg/L	U 1	0.003	0.040			5/10/19 18:24:27	N	II
R1904123-005	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:24:27	N	II
R1904123-006	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:27:47	N	II
R1904123-006	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.004	0.010			5/10/19 18:27:47	N	II
R1904123-006	Barium, Total	N/A		Water	0.07 ppm	50 mL	0.069 mg/L	1	0.003	0.020			5/10/19 18:27:47	N	II
R1904123-006	Calcium, Total	N/A		Water	102.05 ppm	50 mL	102 mg/L	1	0.3	1.0			5/10/19 18:27:47	N	II
R1904123-006	Copper, Total	N/A		Water	0.04 ppm	50 mL	0.041 mg/L	1	0.004	0.020			5/10/19 18:27:47	N	II
R1904123-006	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L	U 1	0.003	0.040			5/10/19 18:27:47	N	II
R1904123-006	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U 1	0.005	0.010			5/10/19 18:27:47	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635186 Method/Testcode: 6010C/Sb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904123-007	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:37:46	N	II
R1904123-007	Arsenic, Total	N/A		Water	0.11 ppm	50 mL	0.108 mg/L	1	0.004	0.010			5/10/19 18:37:46	N	II
R1904123-007	Barium, Total	N/A		Water	0.44 ppm	50 mL	0.443 mg/L	1	0.003	0.020			5/10/19 18:37:46	N	II
R1904123-007	Calcium, Total	N/A		Water	129.17 ppm	50 mL	129 mg/L	1	0.3	1.0			5/10/19 18:37:46	N	II
R1904123-007	Copper, Total	N/A		Water	0.05 ppm	50 mL	0.049 mg/L	1	0.004	0.020			5/10/19 18:37:46	N	II
R1904123-007	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:37:46	N	II
R1904123-007	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:37:46	N	II
R1904123-008	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:41:06	N	II
R1904123-008	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 18:41:06	N	II
R1904123-008	Barium, Total	N/A		Water	0.11 ppm	50 mL	0.111 mg/L	1	0.003	0.020			5/10/19 18:41:06	N	II
R1904123-008	Calcium, Total	N/A		Water	117.52 ppm	50 mL	118 mg/L	1	0.3	1.0			5/10/19 18:41:06	N	II
R1904123-008	Copper, Total	N/A		Water	0.98 ppm	50 mL	0.979 mg/L	1	0.004	0.020			5/10/19 18:41:06	N	II
R1904123-008	Nickel, Total	N/A		Water	0.00 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:41:06	N	II
R1904123-008	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:41:06	N	II
R1904123-009	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:44:25	N	II
R1904123-009	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	0.012 mg/L	1	0.004	0.010			5/10/19 18:44:25	N	II
R1904123-009	Barium, Total	N/A		Water	0.48 ppm	50 mL	0.479 mg/L	1	0.003	0.020			5/10/19 18:44:25	N	II
R1904123-009	Calcium, Total	N/A		Water	127.37 ppm	50 mL	127 mg/L	1	0.3	1.0			5/10/19 18:44:25	N	II
R1904123-009	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 18:44:25	N	II
R1904123-009	Nickel, Total	N/A		Water	0.00 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:44:25	N	II
R1904123-009	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:44:25	N	II
R1904123-010	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:47:45	N	II
R1904123-010	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.004	0.010			5/10/19 18:47:45	N	II
R1904123-010	Barium, Total	N/A		Water	0.37 ppm	50 mL	0.374 mg/L	1	0.003	0.020			5/10/19 18:47:45	N	II
R1904123-010	Calcium, Total	N/A		Water	95.76 ppm	50 mL	95.8 mg/L	1	0.3	1.0			5/10/19 18:47:45	N	II
R1904123-010	Copper, Total	N/A		Water	0.03 ppm	50 mL	0.034 mg/L	1	0.004	0.020			5/10/19 18:47:45	N	II
R1904123-010	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:47:45	N	II
R1904123-010	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:47:45	N	II
R1904123-011	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:51:04	N	II
R1904123-011	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 18:51:04	N	II
R1904123-011	Barium, Total	N/A		Water	0.10 ppm	50 mL	0.103 mg/L	1	0.003	0.020			5/10/19 18:51:04	N	II
R1904123-011	Calcium, Total	N/A		Water	78.06 ppm	50 mL	78.1 mg/L	1	0.3	1.0			5/10/19 18:51:04	N	II
R1904123-011	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 18:51:04	N	II
R1904123-011	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:51:04	N	II
R1904123-011	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:51:04	N	II
R1904123-012	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:54:24	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635186 Method/Testcode: 6010C/As T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904123-012	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	0.005 mg/L J	1	0.004	0.010			5/10/19 18:54:24	N	II
R1904123-012	Barium, Total	N/A		Water	0.21 ppm	50 mL	0.212 mg/L	1	0.003	0.020			5/10/19 18:54:24	N	II
R1904123-012	Calcium, Total	N/A		Water	154.41 ppm	50 mL	154 mg/L	1	0.3	1.0			5/10/19 18:54:24	N	II
R1904123-012	Copper, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.004	0.020			5/10/19 18:54:24	N	II
R1904123-012	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 18:54:24	N	II
R1904123-012	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 18:54:24	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Al T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904370-01	Aluminum, Total	MB		Water	-0.01 ppm	50 mL	100 µg/L U	1	30	100			5/10/19 19:21:00	N	II
RQ1904370-01	Antimony, Total	MB		Water	0.00 ppm	50 mL	60 µg/L U	1	5	60			5/10/19 19:21:00	N	II
RQ1904370-01	Arsenic, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:21:00	N	II
RQ1904370-01	Barium, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	3	20			5/10/19 19:21:00	N	II
RQ1904370-01	Beryllium, Total	MB		Water	0.00 ppm	50 mL	3.0 µg/L U	1	0.2	3.0			5/10/19 19:21:00	N	II
RQ1904370-01	Boron, Total	MB		Water	0.00 ppm	50 mL	200 µg/L U	1	20	200			5/10/19 19:21:00	N	II
RQ1904370-01	Cadmium, Total	MB		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/10/19 19:21:00	N	II
RQ1904370-01	Calcium, Total	MB		Water	0.06 ppm	50 mL	1000 µg/L U	1	300	1000			5/10/19 19:21:00	N	II
RQ1904370-01	Chromium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:21:00	N	II
RQ1904370-01	Cobalt, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.9	50			5/10/19 19:21:00	N	II
RQ1904370-01	Copper, Total	MB		Water	0.00 ppm	50 mL	20 µg/L U	1	4	20			5/10/19 19:21:00	N	II
RQ1904370-01	Iron, Total	MB		Water	0.00 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 19:21:00	N	II
RQ1904370-01	Lead, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	3	50			5/10/19 19:21:00	N	II
RQ1904370-01	Magnesium, Total	MB		Water	-0.01 ppm	50 mL	1000 µg/L U	1	30	1000			5/10/19 19:21:00	N	II
RQ1904370-01	Manganese, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:21:00	N	II
RQ1904370-01	Molybdenum, Total	MB		Water	0.00 ppm	50 mL	25 µg/L U	1	3	25			5/10/19 19:21:00	N	II
RQ1904370-01	Nickel, Total	MB		Water	0.00 ppm	50 mL	40 µg/L U	1	3	40			5/10/19 19:21:00	N	II
RQ1904370-01	Potassium, Total	MB		Water	0.28 ppm	50 mL	300 µg/L J	1	200	2000			5/10/19 19:21:00	N	II
RQ1904370-01	Selenium, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	5	10			5/10/19 19:21:00	N	II
RQ1904370-01	Silver, Total	MB		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:21:00	N	II
RQ1904370-01	Tin, Total	MB		Water	0.00 ppm	50 mL	500 µg/L U	1	8	500			5/10/19 19:21:00	N	II
RQ1904370-01	Vanadium, Total	MB		Water	0.00 ppm	50 mL	50 µg/L U	1	0.7	50			5/10/19 19:21:00	N	II
RQ1904370-01	Zinc, Total	MB		Water	0.01 ppm	50 mL	20 µg/L U	1	10	20			5/10/19 19:21:00	N	II
RQ1904370-02	Aluminum, Total	LCS		Water	1.86 ppm	50 mL	1860 µg/L	1	30	100	93		5/10/19 19:24:21	N	II
RQ1904370-02	Antimony, Total	LCS		Water	0.48 ppm	50 mL	479 µg/L	1	5	60	96		5/10/19 19:24:21	N	II
RQ1904370-02	Arsenic, Total	LCS		Water	0.04 ppm	50 mL	37.6 µg/L	1	4	10	94		5/10/19 19:24:21	N	II
RQ1904370-02	Barium, Total	LCS		Water	2.06 ppm	50 mL	2060 µg/L	1	3	20	103		5/10/19 19:24:21	N	II
RQ1904370-02	Beryllium, Total	LCS		Water	0.05 ppm	50 mL	49.6 µg/L	1	0.2	3.0	99		5/10/19 19:24:21	N	II
RQ1904370-02	Boron, Total	LCS		Water	0.99 ppm	50 mL	986 µg/L	1	20	200	99		5/10/19 19:24:21	N	II
RQ1904370-02	Cadmium, Total	LCS		Water	0.05 ppm	50 mL	50.6 µg/L	1	0.4	5.0	101		5/10/19 19:24:21	N	II
RQ1904370-02	Calcium, Total	LCS		Water	1.92 ppm	50 mL	1920 µg/L	1	300	1000	96		5/10/19 19:24:21	N	II
RQ1904370-02	Chromium, Total	LCS		Water	0.20 ppm	50 mL	204 µg/L	1	0.6	10	102		5/10/19 19:24:21	N	II
RQ1904370-02	Cobalt, Total	LCS		Water	0.52 ppm	50 mL	520 µg/L	1	0.9	50	104		5/10/19 19:24:21	N	II
RQ1904370-02	Copper, Total	LCS		Water	0.24 ppm	50 mL	243 µg/L	1	4	20	97		5/10/19 19:24:21	N	II
RQ1904370-02	Iron, Total	LCS		Water	0.98 ppm	50 mL	978 µg/L	1	20	100	98		5/10/19 19:24:21	N	II
RQ1904370-02	Lead, Total	LCS		Water	0.52 ppm	50 mL	518 µg/L	1	3	50	104		5/10/19 19:24:21	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Mg T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904370-02	Magnesium, Total	LCS		Water	2.00 ppm	50 mL	2000 µg/L	1	30	1000	100		5/10/19 19:24:21	N	II
RQ1904370-02	Manganese, Total	LCS		Water	0.50 ppm	50 mL	503 µg/L	1	4	10	101		5/10/19 19:24:21	N	II
RQ1904370-02	Molybdenum, Total	LCS		Water	0.49 ppm	50 mL	488 µg/L	1	3	25	98		5/10/19 19:24:21	N	II
RQ1904370-02	Nickel, Total	LCS		Water	0.51 ppm	50 mL	508 µg/L	1	3	40	102		5/10/19 19:24:21	N	II
RQ1904370-02	Potassium, Total	LCS		Water	19.19 ppm	50 mL	19200 µg/L	1	200	2000	96		5/10/19 19:24:21	N	II
RQ1904370-02	Selenium, Total	LCS		Water	1.03 ppm	50 mL	1030 µg/L	1	5	10	102		5/10/19 19:24:21	N	II
RQ1904370-02	Silver, Total	LCS		Water	0.05 ppm	50 mL	50.8 µg/L	1	0.6	10	102		5/10/19 19:24:21	N	II
RQ1904370-02	Tin, Total	LCS		Water	4.99 ppm	50 mL	4990 µg/L	1	8	500	100		5/10/19 19:24:21	N	II
RQ1904370-02	Vanadium, Total	LCS		Water	0.49 ppm	50 mL	494 µg/L	1	0.7	50	99		5/10/19 19:24:21	N	II
RQ1904370-02	Zinc, Total	LCS		Water	0.51 ppm	50 mL	512 µg/L	1	10	20	102		5/10/19 19:24:21	N	II
R1904022-001	Arsenic, Total	N/A		Water	0.02 ppm	50 mL	18 µg/L	1	4	10			5/10/19 19:27:40	N	II
R1904022-001	Barium, Total	N/A		Water	0.71 ppm	50 mL	715 µg/L	1	3	20			5/10/19 19:27:40	N	II
R1904022-001	Calcium, Total	N/A		Water	103.61 ppm	50 mL	104000 µg/L	1	300	1000			5/10/19 19:27:40	N	II
R1904022-001	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:27:40	N	II
R1904022-001	Iron, Total	N/A		Water	5.41 ppm	50 mL	5410 µg/L	1	20	100			5/10/19 19:27:40	N	II
R1904022-001	Magnesium, Total	N/A		Water	39.78 ppm	50 mL	39800 µg/L	1	30	1000			5/10/19 19:27:40	N	II
R1904022-001	Manganese, Total	N/A		Water	0.15 ppm	50 mL	148 µg/L	1	4	10			5/10/19 19:27:40	N	II
R1904022-002	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:31:00	N	II
R1904022-002	Barium, Total	N/A		Water	0.05 ppm	50 mL	47 µg/L	1	3	20			5/10/19 19:31:00	N	II
R1904022-002	Calcium, Total	N/A		Water	7.57 ppm	50 mL	7600 µg/L	1	300	1000			5/10/19 19:31:00	N	II
R1904022-002	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:31:00	N	II
R1904022-002	Iron, Total	N/A		Water	0.07 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 19:31:00	N	II
R1904022-002	Magnesium, Total	N/A		Water	1.56 ppm	50 mL	1600 µg/L	1	30	1000			5/10/19 19:31:00	N	II
R1904022-002	Manganese, Total	N/A		Water	0.25 ppm	50 mL	249 µg/L	1	4	10			5/10/19 19:31:00	N	II
R1904022-003	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:34:19	N	II
R1904022-003	Barium, Total	N/A		Water	1.16 ppm	50 mL	1160 µg/L	1	3	20			5/10/19 19:34:19	N	II
R1904022-003	Calcium, Total	N/A		Water	91.79 ppm	50 mL	91800 µg/L	1	300	1000			5/10/19 19:34:19	N	II
R1904022-003	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:34:19	N	II
R1904022-003	Iron, Total	N/A		Water	7.29 ppm	50 mL	7290 µg/L	1	20	100			5/10/19 19:34:19	N	II
R1904022-003	Magnesium, Total	N/A		Water	35.77 ppm	50 mL	35800 µg/L	1	30	1000			5/10/19 19:34:19	N	II
R1904022-003	Manganese, Total	N/A		Water	5.26 ppm	50 mL	5260 µg/L	1	4	10			5/10/19 19:34:19	N	II
R1904022-004	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:37:38	N	II
R1904022-004	Barium, Total	N/A		Water	0.13 ppm	50 mL	131 µg/L	1	3	20			5/10/19 19:37:38	N	II
R1904022-004	Calcium, Total	N/A		Water	43.62 ppm	50 mL	43600 µg/L	1	300	1000			5/10/19 19:37:38	N	II
R1904022-004	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:37:38	N	II
R1904022-004	Iron, Total	N/A		Water	2.06 ppm	50 mL	2060 µg/L	1	20	100			5/10/19 19:37:38	N	II

U indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Mg T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904022-004	Magnesium, Total	N/A		Water	12.41 ppm	50 mL	12400 µg/L	1	30	1000			5/10/19 19:37:38	N	II
1904022-004	Manganese, Total	N/A		Water	0.08 ppm	50 mL	82 µg/L	1	4	10			5/10/19 19:37:38	N	II
1904022-005	Arsenic, Total	N/A		Water	0.04 ppm	50 mL	45 µg/L	1	4	10			5/10/19 19:40:58	N	II
1904022-005	Barium, Total	N/A		Water	0.64 ppm	50 mL	644 µg/L	1	3	20			5/10/19 19:40:58	N	II
1904022-005	Calcium, Total	N/A		Water	152.87 ppm	50 mL	153000 µg/L	1	300	1000			5/10/19 19:40:58	N	II
1904022-005	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:40:58	N	II
1904022-005	Iron, Total	N/A		Water	18.25 ppm	50 mL	18300 µg/L	1	20	100			5/10/19 19:40:58	N	II
1904022-005	Magnesium, Total	N/A		Water	11.57 ppm	50 mL	11600 µg/L	1	30	1000			5/10/19 19:40:58	N	II
1904022-005	Manganese, Total	N/A		Water	0.10 ppm	50 mL	95 µg/L	1	4	10			5/10/19 19:40:58	N	II
1904022-006	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	4	10			5/10/19 19:44:17	N	II
1904022-006	Barium, Total	N/A		Water	0.36 ppm	50 mL	363 µg/L	1	3	20			5/10/19 19:44:17	N	II
1904022-006	Calcium, Total	N/A		Water	44.54 ppm	50 mL	44500 µg/L	1	300	1000			5/10/19 19:44:17	N	II
1904022-006	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 19:44:17	N	II
1904022-006	Iron, Total	N/A		Water	0.52 ppm	50 mL	520 µg/L	1	20	100			5/10/19 19:44:17	N	II
1904022-006	Magnesium, Total	N/A		Water	19.72 ppm	50 mL	19700 µg/L	1	30	1000			5/10/19 19:44:17	N	II
1904022-006	Manganese, Total	N/A		Water	0.26 ppm	50 mL	260 µg/L	1	4	10			5/10/19 19:44:17	N	II
1904022-010	Arsenic, Total	N/A		Water	0.04 ppm	50 mL	35 µg/L	1	4	10			5/10/19 20:00:54	N	II
1904022-010	Barium, Total	N/A		Water	15.26 ppm	50 mL	15300 µg/L	1	3	20			5/10/19 20:00:54	N	II
1904022-010	Chromium, Total	N/A		Water	0.00 ppm	50 mL	10 µg/L U	1	0.6	10			5/10/19 20:00:54	N	II
1904022-010	Iron, Total	N/A		Water	0.04 ppm	50 mL	100 µg/L U	1	20	100			5/10/19 20:00:54	N	II
1904022-010	Magnesium, Total	N/A		Water	33.72 ppm	50 mL	33700 µg/L	1	30	1000			5/10/19 20:00:54	N	II
1904022-010	Manganese, Total	N/A		Water	0.18 ppm	50 mL	180 µg/L	1	4	10			5/10/19 20:00:54	N	II
1904062-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	0.4	5.0			5/10/19 20:04:14	N	II
1904062-001	Calcium, Total	N/A		Water	59.23 ppm	50 mL	59200 µg/L	1	300	1000			5/10/19 20:04:14	N	II
1904062-001	Iron, Total	N/A		Water	3.07 ppm	50 mL	3070 µg/L	1	20	100			5/10/19 20:04:14	N	II
1904062-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	5.0 µg/L U	1	2.1	5.0			5/10/19 20:04:14	N	II
1904062-001	Magnesium, Total	N/A		Water	19.08 ppm	50 mL	19100 µg/L	1	30	1000			5/10/19 20:04:14	N	II
1904062-001	Manganese, Total	N/A		Water	0.44 ppm	50 mL	439 µg/L	1	4	10			5/10/19 20:04:14	N	II
1904062-001	Potassium, Total	N/A		Water	3.17 ppm	50 mL	3200 µg/L	1	200	2000			5/10/19 20:04:14	N	II
1904082-001	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L U	1	0.03	0.10			5/10/19 20:07:34	Y	IV
1904082-001	Barium, Total	N/A		Water	0.05 ppm	50 mL	0.048 mg/L	1	0.003	0.020			5/10/19 20:07:34	Y	IV
1904082-001	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L U	1	0.0002	0.0030			5/10/19 20:07:34	Y	IV
1904082-001	Boron, Total	N/A		Water	0.07 ppm	50 mL	0.07 mg/L J	1	0.02	0.20			5/10/19 20:07:34	Y	IV
1904082-001	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L U	1	0.0004	0.0050			5/10/19 20:07:34	Y	IV
1904082-001	Calcium, Total	N/A		Water	121.45 ppm	50 mL	121 mg/L	1	0.3	1.0			5/10/19 20:07:34	Y	IV
1904082-001	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:07:34	Y	IV

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Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Co T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904082-001	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0009	0.050			5/10/19 20:07:34	Y	IV
R1904082-001	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 20:07:34	Y	IV
R1904082-001	Iron, Total	N/A		Water	0.00 ppm	50 mL	0.10 mg/L U	1	0.02	0.10			5/10/19 20:07:34	Y	IV
R1904082-001	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.003	0.050			5/10/19 20:07:34	Y	IV
R1904082-001	Magnesium, Total	N/A		Water	63.61 ppm	50 mL	63.6 mg/L	1	0.03	1.0			5/10/19 20:07:34	Y	IV
R1904082-001	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:07:34	Y	IV
R1904082-001	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.003	0.025			5/10/19 20:07:34	Y	IV
R1904082-001	Nickel, Total	N/A		Water	0.00 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:07:34	Y	IV
R1904082-001	Potassium, Total	N/A		Water	5.66 ppm	50 mL	5.7 mg/L	1	0.2	2.0			5/10/19 20:07:34	Y	IV
R1904082-001	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:07:34	Y	IV
R1904082-001	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:07:34	Y	IV
R1904082-001	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/10/19 20:07:34	Y	IV
R1904082-001	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.002 mg/L J	1	0.0007	0.050			5/10/19 20:07:34	Y	IV
R1904082-001	Zinc, Total	N/A		Water	0.02 ppm	50 mL	0.016 mg/L J	1	0.010	0.020			5/10/19 20:07:34	Y	IV
RQ1904370-03	Aluminum, Total	MS	R1904082-001	Water	2.02 ppm	50 mL	2020 µg/L	1	30	100	101		5/10/19 20:10:53	N	IV
RQ1904370-03	Barium, Total	MS	R1904082-001	Water	2.13 ppm	50 mL	2130 µg/L	1	3	20	104		5/10/19 20:10:53	N	IV
RQ1904370-03	Beryllium, Total	MS	R1904082-001	Water	0.05 ppm	50 mL	50.4 µg/L	1	0.2	3.0	101		5/10/19 20:10:53	N	IV
RQ1904370-03	Boron, Total	MS	R1904082-001	Water	1.11 ppm	50 mL	1110 µg/L	1	20	200	105		5/10/19 20:10:53	N	IV
RQ1904370-03	Cadmium, Total	MS	R1904082-001	Water	0.05 ppm	50 mL	49.7 µg/L	1	0.4	5.0	99		5/10/19 20:10:53	N	IV
RQ1904370-03	Calcium, Total	MS	R1904082-001	Water	124.88 ppm	50 mL	125000 µg/L	1	300	1000	171*		5/10/19 20:10:53	N	IV
RQ1904370-03	Chromium, Total	MS	R1904082-001	Water	0.20 ppm	50 mL	205 µg/L	1	0.6	10	102		5/10/19 20:10:53	N	IV
RQ1904370-03	Cobalt, Total	MS	R1904082-001	Water	0.50 ppm	50 mL	504 µg/L	1	0.9	50	101		5/10/19 20:10:53	N	IV
RQ1904370-03	Copper, Total	MS	R1904082-001	Water	0.24 ppm	50 mL	244 µg/L	1	4	20	98		5/10/19 20:10:53	N	IV
RQ1904370-03	Iron, Total	MS	R1904082-001	Water	0.99 ppm	50 mL	990 µg/L	1	20	100	99		5/10/19 20:10:53	N	IV
RQ1904370-03	Lead, Total	MS	R1904082-001	Water	0.51 ppm	50 mL	508 µg/L	1	3	50	102		5/10/19 20:10:53	N	IV
RQ1904370-03	Magnesium, Total	MS	R1904082-001	Water	65.86 ppm	50 mL	65900 µg/L	1	30	1000	113		5/10/19 20:10:53	N	IV
RQ1904370-03	Manganese, Total	MS	R1904082-001	Water	0.51 ppm	50 mL	509 µg/L	1	4	10	102		5/10/19 20:10:53	N	IV
RQ1904370-03	Molybdenum, Total	MS	R1904082-001	Water	0.51 ppm	50 mL	505 µg/L	1	3	25	99		5/10/19 20:10:53	N	IV
RQ1904370-03	Nickel, Total	MS	R1904082-001	Water	0.49 ppm	50 mL	493 µg/L	1	3	40	99		5/10/19 20:10:53	N	IV
RQ1904370-03	Potassium, Total	MS	R1904082-001	Water	26.25 ppm	50 mL	26200 µg/L	1	200	2000	103		5/10/19 20:10:53	N	IV
RQ1904370-03	Selenium, Total	MS	R1904082-001	Water	1.08 ppm	50 mL	1080 µg/L	1	5	10	107		5/10/19 20:10:53	N	IV
RQ1904370-03	Silver, Total	MS	R1904082-001	Water	0.05 ppm	50 mL	52 µg/L	1	0.6	10	105		5/10/19 20:10:53	N	IV
RQ1904370-03	Tin, Total	MS	R1904082-001	Water	5.11 ppm	50 mL	5110 µg/L	1	8	500	102		5/10/19 20:10:53	N	IV
RQ1904370-03	Vanadium, Total	MS	R1904082-001	Water	0.51 ppm	50 mL	508 µg/L	1	0.7	50	101		5/10/19 20:10:53	N	IV
RQ1904370-03	Zinc, Total	MS	R1904082-001	Water	0.52 ppm	50 mL	521 µg/L	1	10	20	101		5/10/19 20:10:53	N	IV
RQ1904370-04	Aluminum, Total	DMS	R1904082-001	Water	2.01 ppm	50 mL	2010 µg/L	1	30	100	100	<1	5/10/19 20:14:13	N	IV

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot:

635187

Method/Testcode: 6010C/Ba T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904370-04	Barium, Total	DMS	R1904082-001	Water	2.11 ppm	50 mL	2110 µg/L	1	3	20	103	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Beryllium, Total	DMS	R1904082-001	Water	0.05 ppm	50 mL	50.2 µg/L	1	0.2	3.0	100	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Boron, Total	DMS	R1904082-001	Water	1.11 ppm	50 mL	1110 µg/L	1	20	200	104	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Cadmium, Total	DMS	R1904082-001	Water	0.05 ppm	50 mL	49.8 µg/L	1	0.4	5.0	100	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Calcium, Total	DMS	R1904082-001	Water	123.99 ppm	50 mL	124000 µg/L	1	300	1000	127*	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Chromium, Total	DMS	R1904082-001	Water	0.20 ppm	50 mL	204 µg/L	1	0.6	10	102	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Cobalt, Total	DMS	R1904082-001	Water	0.50 ppm	50 mL	503 µg/L	1	0.9	50	101	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Copper, Total	DMS	R1904082-001	Water	0.24 ppm	50 mL	243 µg/L	1	4	20	97	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Iron, Total	DMS	R1904082-001	Water	0.99 ppm	50 mL	990 µg/L	1	20	100	99	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Lead, Total	DMS	R1904082-001	Water	0.51 ppm	50 mL	509 µg/L	1	3	50	102	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Magnesium, Total	DMS	R1904082-001	Water	65.56 ppm	50 mL	65600 µg/L	1	30	1000	98	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Manganese, Total	DMS	R1904082-001	Water	0.51 ppm	50 mL	508 µg/L	1	4	10	102	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Molybdenum, Total	DMS	R1904082-001	Water	0.51 ppm	50 mL	507 µg/L	1	3	25	100	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Nickel, Total	DMS	R1904082-001	Water	0.49 ppm	50 mL	494 µg/L	1	3	40	99	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Potassium, Total	DMS	R1904082-001	Water	25.97 ppm	50 mL	26000 µg/L	1	200	2000	102	1	5/10/19 20:14:13	N	IV
RQ1904370-04	Selenium, Total	DMS	R1904082-001	Water	1.09 ppm	50 mL	1090 µg/L	1	5	10	108	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Silver, Total	DMS	R1904082-001	Water	0.05 ppm	50 mL	52 µg/L	1	0.6	10	104	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Tin, Total	DMS	R1904082-001	Water	5.11 ppm	50 mL	5110 µg/L	1	8	500	102	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Vanadium, Total	DMS	R1904082-001	Water	0.51 ppm	50 mL	506 µg/L	1	0.7	50	101	<1	5/10/19 20:14:13	N	IV
RQ1904370-04	Zinc, Total	DMS	R1904082-001	Water	0.52 ppm	50 mL	523 µg/L	1	10	20	101	<1	5/10/19 20:14:13	N	IV
R1904082-008	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L	U	1	0.03	0.10		5/10/19 20:24:10	N	IV
R1904082-008	Barium, Total	N/A		Water	0.06 ppm	50 mL	0.058 mg/L	U	1	0.003	0.020		5/10/19 20:24:10	N	IV
R1904082-008	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L	U	1	0.0002	0.0030		5/10/19 20:24:10	N	IV
R1904082-008	Boron, Total	N/A		Water	0.06 ppm	50 mL	0.06 mg/L	J	1	0.02	0.20		5/10/19 20:24:10	N	IV
R1904082-008	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L	U	1	0.0004	0.0050		5/10/19 20:24:10	N	IV
R1904082-008	Calcium, Total	N/A		Water	115.94 ppm	50 mL	116 mg/L	U	1	0.3	1.0		5/10/19 20:24:10	N	IV
R1904082-008	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U	1	0.0006	0.010		5/10/19 20:24:10	N	IV
R1904082-008	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U	1	0.0009	0.050		5/10/19 20:24:10	N	IV
R1904082-008	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L	U	1	0.004	0.020		5/10/19 20:24:10	N	IV
R1904082-008	Iron, Total	N/A		Water	0.00 ppm	50 mL	0.10 mg/L	U	1	0.02	0.10		5/10/19 20:24:10	N	IV
R1904082-008	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L	U	1	0.003	0.050		5/10/19 20:24:10	N	IV
R1904082-008	Magnesium, Total	N/A		Water	62.61 ppm	50 mL	62.6 mg/L	U	1	0.03	1.0		5/10/19 20:24:10	N	IV
R1904082-008	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L	U	1	0.004	0.010		5/10/19 20:24:10	N	IV
R1904082-008	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L	J	1	0.003	0.025		5/10/19 20:24:10	N	IV
R1904082-008	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L	U	1	0.003	0.040		5/10/19 20:24:10	N	IV
R1904082-008	Potassium, Total	N/A		Water	4.08 ppm	50 mL	4.1 mg/L	U	1	0.2	2.0		5/10/19 20:24:10	N	IV

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Se T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904082-008	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:24:10	N	IV
1904082-008	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:24:10	N	IV
1904082-008	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/10/19 20:24:10	N	IV
1904082-008	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0007	0.050			5/10/19 20:24:10	N	IV
1904082-008	Zinc, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.010	0.020			5/10/19 20:24:10	N	IV
1904082-013	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L U	1	0.03	0.10			5/10/19 20:27:29	N	IV
1904082-013	Barium, Total	N/A		Water	0.05 ppm	50 mL	0.050 mg/L	1	0.003	0.020			5/10/19 20:27:29	N	IV
1904082-013	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L U	1	0.0002	0.0030			5/10/19 20:27:29	N	IV
1904082-013	Boron, Total	N/A		Water	0.05 ppm	50 mL	0.05 mg/L J	1	0.02	0.20			5/10/19 20:27:29	N	IV
1904082-013	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L U	1	0.0004	0.0050			5/10/19 20:27:29	N	IV
1904082-013	Calcium, Total	N/A		Water	113.21 ppm	50 mL	113 mg/L	1	0.3	1.0			5/10/19 20:27:29	N	IV
1904082-013	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.0006 mg/L J	1	0.0006	0.010			5/10/19 20:27:29	N	IV
1904082-013	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.002 mg/L J	1	0.0009	0.050			5/10/19 20:27:29	N	IV
1904082-013	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 20:27:29	N	IV
1904082-013	Iron, Total	N/A		Water	0.03 ppm	50 mL	0.03 mg/L J	1	0.02	0.10			5/10/19 20:27:29	N	IV
1904082-013	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.003	0.050			5/10/19 20:27:29	N	IV
1904082-013	Magnesium, Total	N/A		Water	55.12 ppm	50 mL	55.1 mg/L	1	0.03	1.0			5/10/19 20:27:29	N	IV
1904082-013	Manganese, Total	N/A		Water	0.03 ppm	50 mL	0.032 mg/L	1	0.004	0.010			5/10/19 20:27:29	N	IV
1904082-013	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.011 mg/L J	1	0.003	0.025			5/10/19 20:27:29	N	IV
1904082-013	Nickel, Total	N/A		Water	0.05 ppm	50 mL	0.050 mg/L	1	0.003	0.040			5/10/19 20:27:29	N	IV
1904082-013	Potassium, Total	N/A		Water	7.55 ppm	50 mL	7.6 mg/L	1	0.2	2.0			5/10/19 20:27:29	N	IV
1904082-013	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:27:29	N	IV
1904082-013	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:27:29	N	IV
1904082-013	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/10/19 20:27:29	N	IV
1904082-013	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.001 mg/L J	1	0.0007	0.050			5/10/19 20:27:29	N	IV
1904082-013	Zinc, Total	N/A		Water	0.03 ppm	50 mL	0.026 mg/L	1	0.010	0.020			5/10/19 20:27:29	N	IV
1904082-018	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L U	1	0.03	0.10			5/10/19 20:30:49	N	IV
1904082-018	Barium, Total	N/A		Water	0.02 ppm	50 mL	0.024 mg/L	1	0.003	0.020			5/10/19 20:30:49	N	IV
1904082-018	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L U	1	0.0002	0.0030			5/10/19 20:30:49	N	IV
1904082-018	Boron, Total	N/A		Water	0.09 ppm	50 mL	0.09 mg/L J	1	0.02	0.20			5/10/19 20:30:49	N	IV
1904082-018	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L U	1	0.0004	0.0050			5/10/19 20:30:49	N	IV
1904082-018	Calcium, Total	N/A		Water	122.87 ppm	50 mL	123 mg/L	1	0.3	1.0			5/10/19 20:30:49	N	IV
1904082-018	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.0009 mg/L J	1	0.0006	0.010			5/10/19 20:30:49	N	IV
1904082-018	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0009	0.050			5/10/19 20:30:49	N	IV
1904082-018	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 20:30:49	N	IV
1904082-018	Iron, Total	N/A		Water	0.00 ppm	50 mL	0.10 mg/L U	1	0.02	0.10			5/10/19 20:30:49	N	IV

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Pb T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904082-018	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.003	0.050			5/10/19 20:30:49	N	IV
1904082-018	Magnesium, Total	N/A		Water	58.70 ppm	50 mL	58.7 mg/L	1	0.03	1.0			5/10/19 20:30:49	N	IV
1904082-018	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:30:49	N	IV
1904082-018	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.003	0.025			5/10/19 20:30:49	N	IV
1904082-018	Nickel, Total	N/A		Water	-0.04 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:30:49	N	IV
1904082-018	Potassium, Total	N/A		Water	5.06 ppm	50 mL	5.1 mg/L	1	0.2	2.0			5/10/19 20:30:49	N	IV
1904082-018	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:30:49	N	IV
1904082-018	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:30:49	N	IV
1904082-018	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/10/19 20:30:49	N	IV
1904082-018	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0007	0.050			5/10/19 20:30:49	N	IV
1904082-018	Zinc, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.010	0.020			5/10/19 20:30:49	N	IV
1904082-019	Aluminum, Total	N/A		Water	0.01 ppm	50 mL	0.10 mg/L U	1	0.03	0.10			5/10/19 20:40:46	N	IV
1904082-019	Beryllium, Total	N/A		Water	0.00 ppm	50 mL	0.0030 mg/L U	1	0.0002	0.0030			5/10/19 20:40:46	N	IV
1904082-019	Boron, Total	N/A		Water	0.09 ppm	50 mL	0.09 mg/L J	1	0.02	0.20			5/10/19 20:40:46	N	IV
1904082-019	Cadmium, Total	N/A		Water	0.00 ppm	50 mL	0.0050 mg/L U	1	0.0004	0.0050			5/10/19 20:40:46	N	IV
1904082-019	Calcium, Total	N/A		Water	122.23 ppm	50 mL	122 mg/L	1	0.3	1.0			5/10/19 20:40:46	N	IV
1904082-019	Chromium, Total	N/A		Water	0.00 ppm	50 mL	0.001 mg/L J	1	0.0006	0.010			5/10/19 20:40:46	N	IV
1904082-019	Cobalt, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.0009	0.050			5/10/19 20:40:46	N	IV
1904082-019	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 20:40:46	N	IV
1904082-019	Iron, Total	N/A		Water	0.00 ppm	50 mL	0.10 mg/L U	1	0.02	0.10			5/10/19 20:40:46	N	IV
1904082-019	Lead, Total	N/A		Water	0.00 ppm	50 mL	0.050 mg/L U	1	0.003	0.050			5/10/19 20:40:46	N	IV
1904082-019	Magnesium, Total	N/A		Water	58.68 ppm	50 mL	58.7 mg/L	1	0.03	1.0			5/10/19 20:40:46	N	IV
1904082-019	Manganese, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:40:46	N	IV
1904082-019	Molybdenum, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.003	0.025			5/10/19 20:40:46	N	IV
1904082-019	Nickel, Total	N/A		Water	-0.04 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:40:46	N	IV
1904082-019	Potassium, Total	N/A		Water	5.04 ppm	50 mL	5.0 mg/L	1	0.2	2.0			5/10/19 20:40:46	N	IV
1904082-019	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:40:46	N	IV
1904082-019	Silver, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.0006	0.010			5/10/19 20:40:46	N	IV
1904082-019	Tin, Total	N/A		Water	0.00 ppm	50 mL	0.50 mg/L U	1	0.008	0.50			5/10/19 20:40:46	N	IV
1904082-019	Vanadium, Total	N/A		Water	0.00 ppm	50 mL	0.0007 mg/L J	1	0.0007	0.050			5/10/19 20:40:46	N	IV
1904082-019	Zinc, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.010	0.020			5/10/19 20:40:46	N	IV
1904115-001	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:44:05	N	II
1904115-001	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:44:05	N	II
1904115-001	Barium, Total	N/A		Water	0.26 ppm	50 mL	0.261 mg/L	1	0.003	0.020			5/10/19 20:44:05	N	II
1904115-001	Calcium, Total	N/A		Water	189.31 ppm	50 mL	189 mg/L	1	0.3	1.0			5/10/19 20:44:05	N	II
1904115-001	Copper, Total	N/A		Water	0.01 ppm	50 mL	0.006 mg/L J	1	0.004	0.020			5/10/19 20:44:05	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635187 Method/Testcode: 6010C/Ni T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904115-001	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:44:05	N	II
1904115-001	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:44:05	N	II
1904115-003	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:47:25	N	II
1904115-003	Arsenic, Total	N/A		Water	0.01 ppm	50 mL	0.008 mg/L J	1	0.004	0.010			5/10/19 20:47:25	N	II
1904115-003	Barium, Total	N/A		Water	0.26 ppm	50 mL	0.258 mg/L	1	0.003	0.020			5/10/19 20:47:25	N	II
1904115-003	Calcium, Total	N/A		Water	17.06 ppm	50 mL	17.1 mg/L	1	0.3	1.0			5/10/19 20:47:25	N	II
1904115-003	Copper, Total	N/A		Water	0.05 ppm	50 mL	0.054 mg/L	1	0.004	0.020			5/10/19 20:47:25	N	II
1904115-003	Nickel, Total	N/A		Water	0.00 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:47:25	N	II
1904115-003	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:47:25	N	II
1904115-004	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:50:46	N	II
1904115-004	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:50:46	N	II
1904115-004	Calcium, Total	N/A		Water	22.25 ppm	50 mL	22.2 mg/L	1	0.3	1.0			5/10/19 20:50:46	N	II
1904115-004	Copper, Total	N/A		Water	0.01 ppm	50 mL	0.011 mg/L J	1	0.004	0.020			5/10/19 20:50:46	N	II
1904115-004	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:50:46	N	II
1904115-004	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:50:46	N	II
1904115-005	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:54:05	N	II
1904115-005	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:54:05	N	II
1904115-005	Barium, Total	N/A		Water	3.37 ppm	50 mL	3.37 mg/L	1	0.003	0.020			5/10/19 20:54:05	N	II
1904115-005	Calcium, Total	N/A		Water	50.34 ppm	50 mL	50.3 mg/L	1	0.3	1.0			5/10/19 20:54:05	N	II
1904115-005	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.005 mg/L J	1	0.004	0.020			5/10/19 20:54:05	N	II
1904115-005	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:54:05	N	II
1904115-005	Selenium, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:54:05	N	II
1904115-006	Antimony, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:57:24	N	II
1904115-006	Arsenic, Total	N/A		Water	0.00 ppm	50 mL	0.010 mg/L U	1	0.004	0.010			5/10/19 20:57:24	N	II
1904115-006	Barium, Total	N/A		Water	3.49 ppm	50 mL	3.49 mg/L	1	0.003	0.020			5/10/19 20:57:24	N	II
1904115-006	Calcium, Total	N/A		Water	71.40 ppm	50 mL	71.4 mg/L	1	0.3	1.0			5/10/19 20:57:24	N	II
1904115-006	Copper, Total	N/A		Water	0.00 ppm	50 mL	0.020 mg/L U	1	0.004	0.020			5/10/19 20:57:24	N	II
1904115-006	Nickel, Total	N/A		Water	-0.01 ppm	50 mL	0.040 mg/L U	1	0.003	0.040			5/10/19 20:57:24	N	II
1904115-006	Selenium, Total	N/A		Water	-0.01 ppm	50 mL	0.010 mg/L U	1	0.005	0.010			5/10/19 20:57:24	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/AIT

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904302-03	Aluminum, Total	MB		Soil	0.03 ppm	0.5 g	20 mg/Kg U	1	12	20			5/10/19 21:23:58	N	IV
RQ1904302-03	Antimony, Total	MB		Soil	0.00 ppm	0.5 g	6.0 mg/Kg U	1	0.6	6.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Arsenic, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Beryllium, Total	MB		Soil	0.00 ppm	0.5 g	0.30 mg/Kg U	1	0.03	0.30			5/10/19 21:23:58	N	IV
RQ1904302-03	Boron, Total	MB		Soil	0.00 ppm	0.5 g	20 mg/Kg U	1	0.8	20			5/10/19 21:23:58	N	IV
RQ1904302-03	Cadmium, Total	MB		Soil	0.00 ppm	0.5 g	0.50 mg/Kg U	1	0.08	0.50			5/10/19 21:23:58	N	IV
RQ1904302-03	Calcium, Total	MB		Soil	0.81 ppm	0.5 g	80 mg/Kg J	1	40	100			5/10/19 21:23:58	N	IV
RQ1904302-03	Chromium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.4	1.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Cobalt, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.2	5.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Copper, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	0.7	2.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Iron, Total	MB		Soil	0.02 ppm	0.5 g	20 mg/Kg U	1	13	20			5/10/19 21:23:58	N	IV
RQ1904302-03	Lead, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.4	5.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Magnesium, Total	MB		Soil	0.10 ppm	0.5 g	100 mg/Kg U	1	20	100			5/10/19 21:23:58	N	IV
RQ1904302-03	Manganese, Total	MB		Soil	0.00 ppm	0.5 g	2.0 mg/Kg U	1	1.5	2.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Molybdenum, Total	MB		Soil	0.00 ppm	0.5 g	2.5 mg/Kg U	1	0.4	2.5			5/10/19 21:23:58	N	IV
RQ1904302-03	Nickel, Total	MB		Soil	0.00 ppm	0.5 g	4.0 mg/Kg U	1	0.7	4.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Potassium, Total	MB		Soil	0.28 ppm	0.5 g	30 mg/Kg J	1	10	200			5/10/19 21:23:58	N	IV
RQ1904302-03	Selenium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.6	1.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Silver, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.08	1.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Thallium, Total	MB		Soil	0.00 ppm	0.5 g	1.0 mg/Kg U	1	0.7	1.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Vanadium, Total	MB		Soil	0.00 ppm	0.5 g	5.0 mg/Kg U	1	0.8	5.0			5/10/19 21:23:58	N	IV
RQ1904302-03	Zinc, Total	MB		Soil	0.01 ppm	0.5 g	2.0 mg/Kg U	1	1.4	2.0			5/10/19 21:23:58	N	IV
RQ1904302-04	Aluminum, Total	LCS		Soil	1.81 ppm	0.5 g	181 mg/Kg	1	12	20	91		5/10/19 21:27:17	N	IV
RQ1904302-04	Antimony, Total	LCS		Soil	0.46 ppm	0.5 g	46.1 mg/Kg	1	0.6	6.0	92		5/10/19 21:27:17	N	IV
RQ1904302-04	Arsenic, Total	LCS		Soil	0.04 ppm	0.5 g	3.79 mg/Kg	1	0.7	1.0	95		5/10/19 21:27:17	N	IV
RQ1904302-04	Beryllium, Total	LCS		Soil	0.05 ppm	0.5 g	4.86 mg/Kg	1	0.03	0.30	97		5/10/19 21:27:17	N	IV
RQ1904302-04	Boron, Total	LCS		Soil	0.93 ppm	0.5 g	93.0 mg/Kg	1	0.8	20	93		5/10/19 21:27:17	N	IV
RQ1904302-04	Cadmium, Total	LCS		Soil	0.05 ppm	0.5 g	5.00 mg/Kg	1	0.08	0.50	100		5/10/19 21:27:17	N	IV
RQ1904302-04	Calcium, Total	LCS		Soil	2.31 ppm	0.5 g	231 mg/Kg	1	40	100	116		5/10/19 21:27:17	N	IV
RQ1904302-04	Chromium, Total	LCS		Soil	0.21 ppm	0.5 g	20.7 mg/Kg	1	0.4	1.0	104		5/10/19 21:27:17	N	IV
RQ1904302-04	Cobalt, Total	LCS		Soil	0.52 ppm	0.5 g	51.9 mg/Kg	1	0.2	5.0	104		5/10/19 21:27:17	N	IV
RQ1904302-04	Copper, Total	LCS		Soil	0.24 ppm	0.5 g	24.1 mg/Kg	1	0.7	2.0	97		5/10/19 21:27:17	N	IV
RQ1904302-04	Iron, Total	LCS		Soil	0.99 ppm	0.5 g	99.0 mg/Kg	1	13	20	99		5/10/19 21:27:17	N	IV
RQ1904302-04	Lead, Total	LCS		Soil	0.51 ppm	0.5 g	51.1 mg/Kg	1	0.4	5.0	102		5/10/19 21:27:17	N	IV
RQ1904302-04	Magnesium, Total	LCS		Soil	2.02 ppm	0.5 g	202 mg/Kg	1	20	100	101		5/10/19 21:27:17	N	IV
RQ1904302-04	Manganese, Total	LCS		Soil	0.51 ppm	0.5 g	50.5 mg/Kg	1	1.5	2.0	101		5/10/19 21:27:17	N	IV

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/Mo T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904302-04	Molybdenum, Total	LCS		Soil	0.49 ppm	0.5 g	49.3 mg/Kg	1	0.4	2.5	99		5/10/19 21:27:17	N	IV
RQ1904302-04	Nickel, Total	LCS		Soil	0.51 ppm	0.5 g	50.7 mg/Kg	1	0.7	4.0	101		5/10/19 21:27:17	N	IV
RQ1904302-04	Potassium, Total	LCS		Soil	18.52 ppm	0.5 g	1850 mg/Kg	1	10	200	93		5/10/19 21:27:17	N	IV
RQ1904302-04	Selenium, Total	LCS		Soil	0.95 ppm	0.5 g	94.7 mg/Kg	1	0.6	1.0	94		5/10/19 21:27:17	N	IV
RQ1904302-04	Silver, Total	LCS		Soil	0.05 ppm	0.5 g	4.97 mg/Kg	1	0.08	1.0	99		5/10/19 21:27:17	N	IV
RQ1904302-04	Thallium, Total	LCS		Soil	1.87 ppm	0.5 g	187 mg/Kg	1	0.7	1.0	93		5/10/19 21:27:17	N	IV
RQ1904302-04	Vanadium, Total	LCS		Soil	0.50 ppm	0.5 g	50.1 mg/Kg	1	0.8	5.0	100		5/10/19 21:27:17	N	IV
RQ1904302-04	Zinc, Total	LCS		Soil	0.49 ppm	0.5 g	49.0 mg/Kg	1	1.4	2.0	98		5/10/19 21:27:17	N	IV
R1904024-001	Aluminum, Total	N/A		Soil	85.05 ppm	0.5 g	10500 mg/Kg	1	15	25			5/10/19 21:30:36	N	IV
R1904024-001	Antimony, Total	N/A		Soil	0.00 ppm	0.5 g	7.4 mg/Kg	U 1	0.7	7.4			5/10/19 21:30:36	N	IV
R1904024-001	Arsenic, Total	N/A		Soil	0.06 ppm	0.5 g	7.7 mg/Kg	1	0.9	1.2			5/10/19 21:30:36	N	IV
R1904024-001	Beryllium, Total	N/A		Soil	0.00 ppm	0.5 g	0.47 mg/Kg	1	0.04	0.37			5/10/19 21:30:36	N	IV
R1904024-001	Boron, Total	N/A		Soil	0.12 ppm	0.5 g	15 mg/Kg	J 1	1.0	25			5/10/19 21:30:36	N	IV
R1904024-001	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.48 mg/Kg	J 1	0.09	0.62			5/10/19 21:30:36	N	IV
R1904024-001	Calcium, Total	N/A		Soil	12.51 ppm	0.5 g	1540 mg/Kg	1	40	120			5/10/19 21:30:36	N	IV
R1904024-001	Chromium, Total	N/A		Soil	0.12 ppm	0.5 g	14.7 mg/Kg	1	0.5	1.2			5/10/19 21:30:36	N	IV
R1904024-001	Cobalt, Total	N/A		Soil	0.09 ppm	0.5 g	10.5 mg/Kg	1	0.3	6.2			5/10/19 21:30:36	N	IV
R1904024-001	Copper, Total	N/A		Soil	0.12 ppm	0.5 g	15.0 mg/Kg	1	0.8	2.5			5/10/19 21:30:36	N	IV
R1904024-001	Lead, Total	N/A		Soil	0.08 ppm	0.5 g	9.5 mg/Kg	1	0.5	6.2			5/10/19 21:30:36	N	IV
R1904024-001	Magnesium, Total	N/A		Soil	31.25 ppm	0.5 g	3840 mg/Kg	1	20	120			5/10/19 21:30:36	N	IV
R1904024-001	Manganese, Total	N/A		Soil	3.20 ppm	0.5 g	393 mg/Kg	1	1.9	2.5			5/10/19 21:30:36	N	IV
R1904024-001	Nickel, Total	N/A		Soil	0.19 ppm	0.5 g	23.0 mg/Kg	1	0.9	4.9			5/10/19 21:30:36	N	IV
R1904024-001	Potassium, Total	N/A		Soil	7.56 ppm	0.5 g	930 mg/Kg	1	20	250			5/10/19 21:30:36	N	IV
R1904024-001	Selenium, Total	N/A		Soil	0.01 ppm	0.5 g	1.1 mg/Kg	J 1	0.7	1.2			5/10/19 21:30:36	N	IV
R1904024-001	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	1.2 mg/Kg	U 1	0.09	1.2			5/10/19 21:30:36	N	IV
R1904024-001	Thallium, Total	N/A		Soil	-0.01 ppm	0.5 g	1.2 mg/Kg	U 1	0.8	1.2			5/10/19 21:30:36	N	IV
R1904024-001	Vanadium, Total	N/A		Soil	0.14 ppm	0.5 g	17.4 mg/Kg	1	0.9	6.2			5/10/19 21:30:36	N	IV
R1904024-001	Zinc, Total	N/A		Soil	0.49 ppm	0.5 g	59.8 mg/Kg	1	1.8	2.5			5/10/19 21:30:36	N	IV
RQ1904302-01	Aluminum, Total	MS	R1904024-001	Soil	89.03 ppm	0.5300 g	10300 mg/Kg	1	14	23	-56*		5/10/19 21:33:56	N	IV
RQ1904302-01	Antimony, Total	MS	R1904024-001	Soil	0.35 ppm	0.5300 g	40.3 mg/Kg	1	0.7	7.0	69*		5/10/19 21:33:56	N	IV
RQ1904302-01	Arsenic, Total	MS	R1904024-001	Soil	0.10 ppm	0.5300 g	11.6 mg/Kg	1	0.9	1.2	84		5/10/19 21:33:56	N	IV
RQ1904302-01	Beryllium, Total	MS	R1904024-001	Soil	0.05 ppm	0.5300 g	5.93 mg/Kg	1	0.04	0.35	94		5/10/19 21:33:56	N	IV
RQ1904302-01	Boron, Total	MS	R1904024-001	Soil	0.98 ppm	0.5300 g	114 mg/Kg	1	1.0	23	85		5/10/19 21:33:56	N	IV
RQ1904302-01	Cadmium, Total	MS	R1904024-001	Soil	0.05 ppm	0.5300 g	5.94 mg/Kg	1	0.09	0.58	94		5/10/19 21:33:56	N	IV
RQ1904302-01	Calcium, Total	MS	R1904024-001	Soil	15.14 ppm	0.5300 g	1760 mg/Kg	1	40	120	94		5/10/19 21:33:56	N	IV
RQ1904302-01	Chromium, Total	MS	R1904024-001	Soil	0.32 ppm	0.5300 g	37.2 mg/Kg	1	0.5	1.2	97		5/10/19 21:33:56	N	IV

-56* below

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/Co T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
RQ1904302-01	Cobalt, Total	MS	R1904024-001	Soil	0.57 ppm	0.5300 g	65.9 mg/Kg	1	0.3	5.8	96		5/10/19 21:33:56	N	IV
RQ1904302-01	Copper, Total	MS	R1904024-001	Soil	0.43 ppm	0.5300 g	50.4 mg/Kg	1	0.8	2.3	122		5/10/19 21:33:56	N	IV
RQ1904302-01	Lead, Total	MS	R1904024-001	Soil	0.56 ppm	0.5300 g	65.0 mg/Kg	1	0.5	5.8	96		5/10/19 21:33:56	N	IV
RQ1904302-01	Magnesium, Total	MS	R1904024-001	Soil	33.34 ppm	0.5300 g	3870 mg/Kg	1	20	120	10*		5/10/19 21:33:56	N	IV
RQ1904302-01	Manganese, Total	MS	R1904024-001	Soil	3.78 ppm	0.5300 g	439 mg/Kg	1	1.8	2.3	78		5/10/19 21:33:56	N	IV
RQ1904302-01	Nickel, Total	MS	R1904024-001	Soil	0.66 ppm	0.5300 g	76.8 mg/Kg	1	0.8	4.6	93		5/10/19 21:33:56	N	IV
RQ1904302-01	Potassium, Total	MS	R1904024-001	Soil	24.50 ppm	0.5300 g	2840 mg/Kg	1	20	230	82		5/10/19 21:33:56	N	IV
RQ1904302-01	Selenium, Total	MS	R1904024-001	Soil	0.93 ppm	0.5300 g	108 mg/Kg	1	0.7	1.2	91		5/10/19 21:33:56	N	IV
RQ1904302-01	Silver, Total	MS	R1904024-001	Soil	0.05 ppm	0.5300 g	5.6 mg/Kg	1	0.09	1.2	96		5/10/19 21:33:56	N	IV
RQ1904302-01	Thallium, Total	MS	R1904024-001	Soil	1.85 ppm	0.5300 g	215 mg/Kg	1	0.8	1.2	93		5/10/19 21:33:56	N	IV
RQ1904302-01	Vanadium, Total	MS	R1904024-001	Soil	0.62 ppm	0.5300 g	72.0 mg/Kg	1	0.9	5.8	94		5/10/19 21:33:56	N	IV
RQ1904302-01	Zinc, Total	MS	R1904024-001	Soil	0.97 ppm	0.5300 g	112 mg/Kg	1	1.7	2.3	90		5/10/19 21:33:56	N	IV
RQ1904302-02	Aluminum, Total	DMS	R1904024-001	Soil	97.94 ppm	0.5200 g	11600 mg/Kg	1	15	24	474*	11	5/10/19 21:37:15	N	IV
RQ1904302-02	Antimony, Total	DMS	R1904024-001	Soil	0.35 ppm	0.5200 g	41.3 mg/Kg	1	0.7	7.1	70*	2	5/10/19 21:37:15	N	IV
RQ1904302-02	Arsenic, Total	DMS	R1904024-001	Soil	0.11 ppm	0.5200 g	12.9 mg/Kg	1	0.9	1.2	110	11	5/10/19 21:37:15	N	IV
RQ1904302-02	Beryllium, Total	DMS	R1904024-001	Soil	0.05 ppm	0.5200 g	6.13 mg/Kg	1	0.04	0.35	96	3	5/10/19 21:37:15	N	IV
RQ1904302-02	Boron, Total	DMS	R1904024-001	Soil	1.00 ppm	0.5200 g	118 mg/Kg	1	1.0	24	87	4	5/10/19 21:37:15	N	IV
RQ1904302-02	Cadmium, Total	DMS	R1904024-001	Soil	0.05 ppm	0.5200 g	6.07 mg/Kg	1	0.09	0.59	94	2	5/10/19 21:37:15	N	IV
RQ1904302-02	Calcium, Total	DMS	R1904024-001	Soil	14.91 ppm	0.5200 g	1760 mg/Kg	1	40	120	95	<1	5/10/19 21:37:15	N	IV
RQ1904302-02	Chromium, Total	DMS	R1904024-001	Soil	0.33 ppm	0.5200 g	39.5 mg/Kg	1	0.5	1.2	105	6	5/10/19 21:37:15	N	IV
RQ1904302-02	Cobalt, Total	DMS	R1904024-001	Soil	0.58 ppm	0.5200 g	68.6 mg/Kg	1	0.3	5.9	98	4	5/10/19 21:37:15	N	IV
RQ1904302-02	Copper, Total	DMS	R1904024-001	Soil	0.36 ppm	0.5200 g	42.7 mg/Kg	1	0.8	2.4	93	17	5/10/19 21:37:15	N	IV
RQ1904302-02	Lead, Total	DMS	R1904024-001	Soil	0.56 ppm	0.5200 g	66.3 mg/Kg	1	0.5	5.9	96	2	5/10/19 21:37:15	N	IV
RQ1904302-02	Magnesium, Total	DMS	R1904024-001	Soil	36.98 ppm	0.5200 g	4370 mg/Kg	1	20	120	224*	12	5/10/19 21:37:15	N	IV
RQ1904302-02	Manganese, Total	DMS	R1904024-001	Soil	3.75 ppm	0.5200 g	444 mg/Kg	1	1.8	2.4	86	1	5/10/19 21:37:15	N	IV
RQ1904302-02	Nickel, Total	DMS	R1904024-001	Soil	0.69 ppm	0.5200 g	81.4 mg/Kg	1	0.8	4.7	99	6	5/10/19 21:37:15	N	IV
RQ1904302-02	Potassium, Total	DMS	R1904024-001	Soil	24.38 ppm	0.5200 g	2880 mg/Kg	1	20	240	83	1	5/10/19 21:37:15	N	IV
RQ1904302-02	Selenium, Total	DMS	R1904024-001	Soil	0.94 ppm	0.5200 g	111 mg/Kg	1	0.7	1.2	92	2	5/10/19 21:37:15	N	IV
RQ1904302-02	Silver, Total	DMS	R1904024-001	Soil	0.05 ppm	0.5200 g	5.7 mg/Kg	1	0.09	1.2	97	3	5/10/19 21:37:15	N	IV
RQ1904302-02	Thallium, Total	DMS	R1904024-001	Soil	1.86 ppm	0.5200 g	221 mg/Kg	1	0.8	1.2	93	3	5/10/19 21:37:15	N	IV
RQ1904302-02	Vanadium, Total	DMS	R1904024-001	Soil	0.63 ppm	0.5200 g	74.7 mg/Kg	1	0.9	5.9	97	4	5/10/19 21:37:15	N	IV
RQ1904302-02	Zinc, Total	DMS	R1904024-001	Soil	1.01 ppm	0.5200 g	119 mg/Kg	1	1.7	2.4	100	6	5/10/19 21:37:15	N	IV
R1904024-002	Aluminum, Total	N/A		Soil	80.44 ppm	0.5300 g	9550 mg/Kg	1	15	24			5/10/19 21:47:14	N	IV
R1904024-002	Antimony, Total	N/A		Soil	-0.01 ppm	0.5300 g	7.1 mg/Kg	U	1	0.7	7.1		5/10/19 21:47:14	N	IV
R1904024-002	Arsenic, Total	N/A		Soil	0.08 ppm	0.5300 g	9.2 mg/Kg	1	0.9	1.2			5/10/19 21:47:14	N	IV
R1904024-002	Beryllium, Total	N/A		Soil	0.00 ppm	0.5300 g	0.47 mg/Kg	1	0.04	0.36			5/10/19 21:47:14	N	IV

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/B T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
11904024-002	Boron, Total	N/A		Soil	0.13 ppm	0.5300 g	16 mg/Kg J	1	1.0	24			5/10/19 21:47:14	N	IV
11904024-002	Cadmium, Total	N/A		Soil	0.01 ppm	0.5300 g	0.66 mg/Kg	1	0.09	0.59			5/10/19 21:47:14	N	IV
11904024-002	Calcium, Total	N/A		Soil	29.99 ppm	0.5300 g	3560 mg/Kg	1	40	120			5/10/19 21:47:14	N	IV
11904024-002	Chromium, Total	N/A		Soil	0.11 ppm	0.5300 g	12.8 mg/Kg	1	0.5	1.2			5/10/19 21:47:14	N	IV
11904024-002	Cobalt, Total	N/A		Soil	0.08 ppm	0.5300 g	9.1 mg/Kg	1	0.3	5.9			5/10/19 21:47:14	N	IV
11904024-002	Copper, Total	N/A		Soil	0.14 ppm	0.5300 g	16.6 mg/Kg	1	0.8	2.4			5/10/19 21:47:14	N	IV
11904024-002	Lead, Total	N/A		Soil	0.10 ppm	0.5300 g	11.6 mg/Kg	1	0.5	5.9			5/10/19 21:47:14	N	IV
11904024-002	Magnesium, Total	N/A		Soil	30.51 ppm	0.5300 g	3620 mg/Kg	1	20	120			5/10/19 21:47:14	N	IV
11904024-002	Manganese, Total	N/A		Soil	7.13 ppm	0.5300 g	846 mg/Kg	1	1.8	2.4			5/10/19 21:47:14	N	IV
11904024-002	Nickel, Total	N/A		Soil	0.17 ppm	0.5300 g	20.5 mg/Kg	1	0.8	4.7			5/10/19 21:47:14	N	IV
11904024-002	Potassium, Total	N/A		Soil	5.88 ppm	0.5300 g	700 mg/Kg	1	20	240			5/10/19 21:47:14	N	IV
11904024-002	Selenium, Total	N/A		Soil	0.01 ppm	0.5300 g	0.7 mg/Kg J	1	0.7	1.2			5/10/19 21:47:14	N	IV
11904024-002	Silver, Total	N/A		Soil	0.00 ppm	0.5300 g	1.2 mg/Kg U	1	0.09	1.2			5/10/19 21:47:14	N	IV
11904024-002	Thallium, Total	N/A		Soil	-0.01 ppm	0.5300 g	1.2 mg/Kg U	1	0.8	1.2			5/10/19 21:47:14	N	IV
11904024-002	Vanadium, Total	N/A		Soil	0.15 ppm	0.5300 g	17.7 mg/Kg	1	0.9	5.9			5/10/19 21:47:14	N	IV
11904024-002	Zinc, Total	N/A		Soil	0.65 ppm	0.5300 g	77.7 mg/Kg	1	1.7	2.4			5/10/19 21:47:14	N	IV
11904024-003	Aluminum, Total	N/A		Soil	92.00 ppm	0.5200 g	13100 mg/Kg	1	18	29			5/10/19 21:50:33	N	IV
11904024-003	Antimony, Total	N/A		Soil	0.00 ppm	0.5200 g	8.6 mg/Kg U	1	0.8	8.6			5/10/19 21:50:33	N	IV
11904024-003	Arsenic, Total	N/A		Soil	0.07 ppm	0.5200 g	10.0 mg/Kg	1	1.0	1.4			5/10/19 21:50:33	N	IV
11904024-003	Beryllium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.63 mg/Kg	1	0.05	0.43			5/10/19 21:50:33	N	IV
11904024-003	Boron, Total	N/A		Soil	0.12 ppm	0.5200 g	17 mg/Kg J	1	2	29			5/10/19 21:50:33	N	IV
11904024-003	Cadmium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.57 mg/Kg J	1	0.11	0.71			5/10/19 21:50:33	N	IV
11904024-003	Calcium, Total	N/A		Soil	9.80 ppm	0.5200 g	1400 mg/Kg	1	50	140			5/10/19 21:50:33	N	IV
11904024-003	Chromium, Total	N/A		Soil	0.12 ppm	0.5200 g	17.3 mg/Kg	1	0.5	1.4			5/10/19 21:50:33	N	IV
11904024-003	Cobalt, Total	N/A		Soil	0.08 ppm	0.5200 g	12.0 mg/Kg	1	0.3	7.1			5/10/19 21:50:33	N	IV
11904024-003	Copper, Total	N/A		Soil	0.14 ppm	0.5200 g	20.1 mg/Kg	1	0.9	2.9			5/10/19 21:50:33	N	IV
11904024-003	Lead, Total	N/A		Soil	0.10 ppm	0.5200 g	13.6 mg/Kg	1	0.6	7.1			5/10/19 21:50:33	N	IV
11904024-003	Magnesium, Total	N/A		Soil	28.30 ppm	0.5200 g	4040 mg/Kg	1	20	140			5/10/19 21:50:33	N	IV
11904024-003	Manganese, Total	N/A		Soil	4.57 ppm	0.5200 g	652 mg/Kg	1	2.2	2.9			5/10/19 21:50:33	N	IV
11904024-003	Nickel, Total	N/A		Soil	0.19 ppm	0.5200 g	27.2 mg/Kg	1	1.0	5.7			5/10/19 21:50:33	N	IV
11904024-003	Potassium, Total	N/A		Soil	9.51 ppm	0.5200 g	1360 mg/Kg	1	20	290			5/10/19 21:50:33	N	IV
11904024-003	Selenium, Total	N/A		Soil	0.01 ppm	0.5200 g	1.8 mg/Kg	1	0.8	1.4			5/10/19 21:50:33	N	IV
11904024-003	Silver, Total	N/A		Soil	0.00 ppm	0.5200 g	1.4 mg/Kg U	1	0.2	1.4			5/10/19 21:50:33	N	IV
11904024-003	Thallium, Total	N/A		Soil	-0.01 ppm	0.5200 g	1.4 mg/Kg U	1	1.0	1.4			5/10/19 21:50:33	N	IV
11904024-003	Vanadium, Total	N/A		Soil	0.14 ppm	0.5200 g	20.1 mg/Kg	1	1.1	7.1			5/10/19 21:50:33	N	IV
11904024-003	Zinc, Total	N/A		Soil	0.54 ppm	0.5200 g	77.4 mg/Kg	1	2.0	2.9			5/10/19 21:50:33	N	IV

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/AI T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904024-004	Aluminum, Total	N/A		Soil	97.47 ppm	0.5400 g	11800 mg/Kg	1	15	24			5/10/19 21:53:53	N	IV
1904024-004	Antimony, Total	N/A		Soil	-0.01 ppm	0.5400 g	7.2 mg/Kg U	1	0.7	7.2			5/10/19 21:53:53	N	IV
1904024-004	Arsenic, Total	N/A		Soil	0.07 ppm	0.5400 g	8.3 mg/Kg	1	0.9	1.2			5/10/19 21:53:53	N	IV
1904024-004	Beryllium, Total	N/A		Soil	0.00 ppm	0.5400 g	0.52 mg/Kg	1	0.04	0.36			5/10/19 21:53:53	N	IV
1904024-004	Boron, Total	N/A		Soil	0.13 ppm	0.5400 g	16 mg/Kg J	1	1.0	24			5/10/19 21:53:53	N	IV
1904024-004	Cadmium, Total	N/A		Soil	0.00 ppm	0.5400 g	0.52 mg/Kg J	1	0.09	0.60			5/10/19 21:53:53	N	IV
1904024-004	Calcium, Total	N/A		Soil	5.36 ppm	0.5400 g	650 mg/Kg B	1	40	120			5/10/19 21:53:53	N	IV
1904024-004	Chromium, Total	N/A		Soil	0.13 ppm	0.5400 g	15.4 mg/Kg	1	0.5	1.2			5/10/19 21:53:53	N	IV
1904024-004	Cobalt, Total	N/A		Soil	0.08 ppm	0.5400 g	9.4 mg/Kg	1	0.3	6.0			5/10/19 21:53:53	N	IV
1904024-004	Copper, Total	N/A		Soil	0.11 ppm	0.5400 g	13.4 mg/Kg	1	0.8	2.4			5/10/19 21:53:53	N	IV
1904024-004	Lead, Total	N/A		Soil	0.09 ppm	0.5400 g	10.5 mg/Kg	1	0.5	6.0			5/10/19 21:53:53	N	IV
1904024-004	Magnesium, Total	N/A		Soil	27.09 ppm	0.5400 g	3270 mg/Kg	1	20	120			5/10/19 21:53:53	N	IV
1904024-004	Manganese, Total	N/A		Soil	2.37 ppm	0.5400 g	285 mg/Kg	1	1.9	2.4			5/10/19 21:53:53	N	IV
1904024-004	Nickel, Total	N/A		Soil	0.16 ppm	0.5400 g	19.0 mg/Kg	1	0.8	4.8			5/10/19 21:53:53	N	IV
1904024-004	Potassium, Total	N/A		Soil	8.15 ppm	0.5400 g	980 mg/Kg	1	20	240			5/10/19 21:53:53	N	IV
1904024-004	Selenium, Total	N/A		Soil	0.00 ppm	0.5400 g	1.2 mg/Kg U	1	0.7	1.2			5/10/19 21:53:53	N	IV
1904024-004	Silver, Total	N/A		Soil	0.00 ppm	0.5400 g	1.2 mg/Kg U	1	0.09	1.2			5/10/19 21:53:53	N	IV
1904024-004	Thallium, Total	N/A		Soil	-0.01 ppm	0.5400 g	1.2 mg/Kg U	1	0.8	1.2			5/10/19 21:53:53	N	IV
1904024-004	Vanadium, Total	N/A		Soil	0.17 ppm	0.5400 g	20.1 mg/Kg	1	0.9	6.0			5/10/19 21:53:53	N	IV
1904024-004	Zinc, Total	N/A		Soil	0.49 ppm	0.5400 g	58.8 mg/Kg	1	1.7	2.4			5/10/19 21:53:53	N	IV
1904024-005	Aluminum, Total	N/A		Soil	131.18 ppm	0.5500 g	17300 mg/Kg	1	16	26			5/10/19 22:03:51	N	IV
1904024-005	Antimony, Total	N/A		Soil	-0.01 ppm	0.5500 g	7.9 mg/Kg U	1	0.8	7.9			5/10/19 22:03:51	N	IV
1904024-005	Arsenic, Total	N/A		Soil	0.11 ppm	0.5500 g	14.0 mg/Kg	1	1.0	1.3			5/10/19 22:03:51	N	IV
1904024-005	Beryllium, Total	N/A		Soil	0.01 ppm	0.5500 g	0.95 mg/Kg	1	0.04	0.40			5/10/19 22:03:51	N	IV
1904024-005	Boron, Total	N/A		Soil	0.16 ppm	0.5500 g	21 mg/Kg J	1	2	26			5/10/19 22:03:51	N	IV
1904024-005	Cadmium, Total	N/A		Soil	0.01 ppm	0.5500 g	0.69 mg/Kg	1	0.10	0.66			5/10/19 22:03:51	N	IV
1904024-005	Calcium, Total	N/A		Soil	12.52 ppm	0.5500 g	1650 mg/Kg	1	50	130			5/10/19 22:03:51	N	IV
1904024-005	Chromium, Total	N/A		Soil	0.13 ppm	0.5500 g	17.5 mg/Kg	1	0.5	1.3			5/10/19 22:03:51	N	IV
1904024-005	Cobalt, Total	N/A		Soil	0.09 ppm	0.5500 g	12.2 mg/Kg	1	0.3	6.6			5/10/19 22:03:51	N	IV
1904024-005	Copper, Total	N/A		Soil	0.11 ppm	0.5500 g	13.9 mg/Kg	1	0.9	2.6			5/10/19 22:03:51	N	IV
1904024-005	Lead, Total	N/A		Soil	0.13 ppm	0.5500 g	17.7 mg/Kg	1	0.6	6.6			5/10/19 22:03:51	N	IV
1904024-005	Magnesium, Total	N/A		Soil	25.17 ppm	0.5500 g	3320 mg/Kg	1	20	130			5/10/19 22:03:51	N	IV
1904024-005	Nickel, Total	N/A		Soil	0.18 ppm	0.5500 g	24.1 mg/Kg	1	0.9	5.3			5/10/19 22:03:51	N	IV
1904024-005	Potassium, Total	N/A		Soil	10.78 ppm	0.5500 g	1420 mg/Kg	1	20	260			5/10/19 22:03:51	N	IV
1904024-005	Silver, Total	N/A		Soil	0.00 ppm	0.5500 g	1.3 mg/Kg U	1	0.10	1.3			5/10/19 22:03:51	N	IV
1904024-005	Thallium, Total	N/A		Soil	-0.02 ppm	0.5500 g	1.3 mg/Kg U	1	0.9	1.3			5/10/19 22:03:51	N	IV

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/V T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
11904024-005	Vanadium, Total	N/A		Soil	0.19 ppm	0.5500 g	25.5 mg/Kg	1	1.0	6.6			5/10/19 22:03:51	N	IV
11904024-005	Zinc, Total	N/A		Soil	0.66 ppm	0.5500 g	86.5 mg/Kg	1	1.9	2.6			5/10/19 22:03:51	N	IV
11904026-002	Aluminum, Total	N/A		Soil	57.09 ppm	0.5300 g	5780 mg/Kg	1	13	20			5/10/19 22:07:10	N	II
11904026-002	Antimony, Total	N/A		Soil	0.00 ppm	0.5300 g	6.1 mg/Kg	U 1	0.6	6.1			5/10/19 22:07:10	N	II
11904026-002	Arsenic, Total	N/A		Soil	0.03 ppm	0.5300 g	2.9 mg/Kg	1	0.8	1.0			5/10/19 22:07:10	N	II
11904026-002	Beryllium, Total	N/A		Soil	0.00 ppm	0.5300 g	0.24 mg/Kg	J 1	0.03	0.30			5/10/19 22:07:10	N	II
11904026-002	Cadmium, Total	N/A		Soil	0.00 ppm	0.5300 g	0.25 mg/Kg	J 1	0.08	0.51			5/10/19 22:07:10	N	II
11904026-002	Calcium, Total	N/A		Soil	2.57 ppm	0.5300 g	260 mg/Kg	B 1	40	100			5/10/19 22:07:10	N	II
11904026-002	Chromium, Total	N/A		Soil	0.07 ppm	0.5300 g	7.2 mg/Kg	1	0.4	1.0			5/10/19 22:07:10	N	II
11904026-002	Cobalt, Total	N/A		Soil	0.04 ppm	0.5300 g	4.0 mg/Kg	J 1	0.2	5.1			5/10/19 22:07:10	N	II
11904026-002	Copper, Total	N/A		Soil	0.22 ppm	0.5300 g	21.9 mg/Kg	1	0.7	2.0			5/10/19 22:07:10	N	II
11904026-002	Lead, Total	N/A		Soil	0.03 ppm	0.5300 g	3.5 mg/Kg	J 1	0.5	5.1			5/10/19 22:07:10	N	II
11904026-002	Magnesium, Total	N/A		Soil	27.30 ppm	0.5300 g	2760 mg/Kg	1	20	100			5/10/19 22:07:10	N	II
11904026-002	Manganese, Total	N/A		Soil	6.04 ppm	0.5300 g	611 mg/Kg	1	1.6	2.0			5/10/19 22:07:10	N	II
11904026-002	Nickel, Total	N/A		Soil	0.09 ppm	0.5300 g	8.7 mg/Kg	1	0.7	4.0			5/10/19 22:07:10	N	II
11904026-002	Potassium, Total	N/A		Soil	5.12 ppm	0.5300 g	520 mg/Kg	1	10	200			5/10/19 22:07:10	N	II
11904026-002	Selenium, Total	N/A		Soil	0.01 ppm	0.5300 g	0.8 mg/Kg	J 1	0.6	1.0			5/10/19 22:07:10	N	II
11904026-002	Silver, Total	N/A		Soil	0.00 ppm	0.5300 g	1.0 mg/Kg	U 1	0.08	1.0			5/10/19 22:07:10	N	II
11904026-002	Thallium, Total	N/A		Soil	-0.01 ppm	0.5300 g	1.0 mg/Kg	U 1	0.7	1.0			5/10/19 22:07:10	N	II
11904026-002	Vanadium, Total	N/A		Soil	0.13 ppm	0.5300 g	12.8 mg/Kg	1	0.8	5.1			5/10/19 22:07:10	N	II
11904026-002	Zinc, Total	N/A		Soil	0.27 ppm	0.5300 g	27.7 mg/Kg	1	1.5	2.0			5/10/19 22:07:10	N	II
11904026-004	Aluminum, Total	N/A		Soil	33.82 ppm	0.5200 g	3400 mg/Kg	1	13	20			5/10/19 22:10:29	N	II
11904026-004	Antimony, Total	N/A		Soil	0.00 ppm	0.5200 g	6.0 mg/Kg	U 1	0.6	6.0			5/10/19 22:10:29	N	II
11904026-004	Arsenic, Total	N/A		Soil	0.02 ppm	0.5200 g	1.6 mg/Kg	1	0.8	1.0			5/10/19 22:10:29	N	II
11904026-004	Beryllium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.15 mg/Kg	J 1	0.03	0.30			5/10/19 22:10:29	N	II
11904026-004	Cadmium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.15 mg/Kg	J 1	0.08	0.50			5/10/19 22:10:29	N	II
11904026-004	Calcium, Total	N/A		Soil	1.74 ppm	0.5200 g	180 mg/Kg	B 1	40	100			5/10/19 22:10:29	N	II
11904026-004	Chromium, Total	N/A		Soil	0.05 ppm	0.5200 g	4.7 mg/Kg	1	0.4	1.0			5/10/19 22:10:29	N	II
11904026-004	Cobalt, Total	N/A		Soil	0.02 ppm	0.5200 g	2.4 mg/Kg	J 1	0.2	5.0			5/10/19 22:10:29	N	II
11904026-004	Copper, Total	N/A		Soil	0.14 ppm	0.5200 g	14.0 mg/Kg	1	0.7	2.0			5/10/19 22:10:29	N	II
11904026-004	Lead, Total	N/A		Soil	0.02 ppm	0.5200 g	2.1 mg/Kg	J 1	0.5	5.0			5/10/19 22:10:29	N	II
11904026-004	Magnesium, Total	N/A		Soil	16.14 ppm	0.5200 g	1620 mg/Kg	1	20	100			5/10/19 22:10:29	N	II
11904026-004	Manganese, Total	N/A		Soil	3.41 ppm	0.5200 g	343 mg/Kg	1	1.6	2.0			5/10/19 22:10:29	N	II
11904026-004	Nickel, Total	N/A		Soil	0.05 ppm	0.5200 g	5.5 mg/Kg	1	0.7	4.0			5/10/19 22:10:29	N	II
11904026-004	Potassium, Total	N/A		Soil	3.87 ppm	0.5200 g	390 mg/Kg	1	10	200			5/10/19 22:10:29	N	II
11904026-004	Selenium, Total	N/A		Soil	0.01 ppm	0.5200 g	0.7 mg/Kg	J 1	0.6	1.0			5/10/19 22:10:29	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/Ag T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
11904026-004	Silver, Total	N/A		Soil	0.00 ppm	0.5200 g	1.0 mg/Kg U	1	0.08	1.0			5/10/19 22:10:29	N	II
11904026-004	Thallium, Total	N/A		Soil	-0.01 ppm	0.5200 g	1.0 mg/Kg U	1	0.7	1.0			5/10/19 22:10:29	N	II
11904026-004	Vanadium, Total	N/A		Soil	0.08 ppm	0.5200 g	8.3 mg/Kg	1	0.8	5.0			5/10/19 22:10:29	N	II
11904026-004	Zinc, Total	N/A		Soil	0.16 ppm	0.5200 g	16.2 mg/Kg	1	1.5	2.0			5/10/19 22:10:29	N	II
11904026-006	Aluminum, Total	N/A		Soil	53.57 ppm	0.5200 g	5490 mg/Kg	1	13	20			5/10/19 22:13:48	N	II
11904026-006	Antimony, Total	N/A		Soil	0.00 ppm	0.5200 g	6.1 mg/Kg U	1	0.6	6.1			5/10/19 22:13:48	N	II
11904026-006	Arsenic, Total	N/A		Soil	0.02 ppm	0.5200 g	2.3 mg/Kg	1	0.8	1.0			5/10/19 22:13:48	N	II
11904026-006	Beryllium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.22 mg/Kg J	1	0.03	0.31			5/10/19 22:13:48	N	II
11904026-006	Cadmium, Total	N/A		Soil	0.00 ppm	0.5200 g	0.24 mg/Kg J	1	0.08	0.51			5/10/19 22:13:48	N	II
11904026-006	Calcium, Total	N/A		Soil	1.96 ppm	0.5200 g	200 mg/Kg B	1	40	100			5/10/19 22:13:48	N	II
11904026-006	Chromium, Total	N/A		Soil	0.06 ppm	0.5200 g	6.4 mg/Kg	1	0.4	1.0			5/10/19 22:13:48	N	II
11904026-006	Cobalt, Total	N/A		Soil	0.03 ppm	0.5200 g	3.1 mg/Kg J	1	0.2	5.1			5/10/19 22:13:48	N	II
11904026-006	Copper, Total	N/A		Soil	0.21 ppm	0.5200 g	21.2 mg/Kg	1	0.7	2.0			5/10/19 22:13:48	N	II
11904026-006	Lead, Total	N/A		Soil	0.03 ppm	0.5200 g	2.9 mg/Kg J	1	0.5	5.1			5/10/19 22:13:48	N	II
11904026-006	Magnesium, Total	N/A		Soil	22.99 ppm	0.5200 g	2350 mg/Kg	1	20	100			5/10/19 22:13:48	N	II
11904026-006	Manganese, Total	N/A		Soil	4.60 ppm	0.5200 g	471 mg/Kg	1	1.6	2.0			5/10/19 22:13:48	N	II
11904026-006	Nickel, Total	N/A		Soil	0.08 ppm	0.5200 g	7.8 mg/Kg	1	0.7	4.1			5/10/19 22:13:48	N	II
11904026-006	Potassium, Total	N/A		Soil	4.41 ppm	0.5200 g	450 mg/Kg	1	10	200			5/10/19 22:13:48	N	II
11904026-006	Selenium, Total	N/A		Soil	0.01 ppm	0.5200 g	0.9 mg/Kg J	1	0.6	1.0			5/10/19 22:13:48	N	II
11904026-006	Silver, Total	N/A		Soil	0.00 ppm	0.5200 g	1.0 mg/Kg U	1	0.08	1.0			5/10/19 22:13:48	N	II
11904026-006	Thallium, Total	N/A		Soil	-0.01 ppm	0.5200 g	1.0 mg/Kg U	1	0.7	1.0			5/10/19 22:13:48	N	II
11904026-006	Vanadium, Total	N/A		Soil	0.12 ppm	0.5200 g	11.8 mg/Kg	1	0.8	5.1			5/10/19 22:13:48	N	II
11904026-006	Zinc, Total	N/A		Soil	0.23 ppm	0.5200 g	23.6 mg/Kg	1	1.5	2.0			5/10/19 22:13:48	N	II
11904026-008	Aluminum, Total	N/A		Soil	55.80 ppm	0.5500 g	5420 mg/Kg	1	12	19			5/10/19 22:17:07	N	II
11904026-008	Antimony, Total	N/A		Soil	0.00 ppm	0.5500 g	5.8 mg/Kg U	1	0.6	5.8			5/10/19 22:17:07	N	II
11904026-008	Arsenic, Total	N/A		Soil	0.02 ppm	0.5500 g	2.30 mg/Kg	1	0.70	0.97			5/10/19 22:17:07	N	II
11904026-008	Beryllium, Total	N/A		Soil	0.00 ppm	0.5500 g	0.20 mg/Kg J	1	0.03	0.29			5/10/19 22:17:07	N	II
11904026-008	Cadmium, Total	N/A		Soil	0.00 ppm	0.5500 g	0.23 mg/Kg J	1	0.08	0.49			5/10/19 22:17:07	N	II
11904026-008	Calcium, Total	N/A		Soil	2.11 ppm	0.5500 g	205 mg/Kg B	1	32	97			5/10/19 22:17:07	N	II
11904026-008	Chromium, Total	N/A		Soil	0.06 ppm	0.5500 g	6.09 mg/Kg	1	0.35	0.97			5/10/19 22:17:07	N	II
11904026-008	Cobalt, Total	N/A		Soil	0.04 ppm	0.5500 g	3.6 mg/Kg J	1	0.2	4.9			5/10/19 22:17:07	N	II
11904026-008	Copper, Total	N/A		Soil	0.17 ppm	0.5500 g	16.7 mg/Kg	1	0.7	1.9			5/10/19 22:17:07	N	II
11904026-008	Lead, Total	N/A		Soil	0.04 ppm	0.5500 g	4.2 mg/Kg J	1	0.4	4.9			5/10/19 22:17:07	N	II
11904026-008	Magnesium, Total	N/A		Soil	24.27 ppm	0.5500 g	2360 mg/Kg	1	13	97			5/10/19 22:17:07	N	II
11904026-008	Manganese, Total	N/A		Soil	5.38 ppm	0.5500 g	522 mg/Kg	1	1.5	2.0			5/10/19 22:17:07	N	II
11904026-008	Nickel, Total	N/A		Soil	0.07 ppm	0.5500 g	6.5 mg/Kg	1	0.7	3.9			5/10/19 22:17:07	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/K T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1904026-008	Potassium, Total	N/A		Soil	3.92 ppm	0.5500 g	380 mg/Kg	1	10	190			5/10/19 22:17:07	N	II
1904026-008	Selenium, Total	N/A		Soil	0.00 ppm	0.5500 g	1.0 mg/Kg U	1	0.54	1.0			5/10/19 22:17:07	N	II
1904026-008	Silver, Total	N/A		Soil	0.00 ppm	0.5500 g	0.97 mg/Kg U	1	0.08	0.97			5/10/19 22:17:07	N	II
1904026-008	Thallium, Total	N/A		Soil	-0.01 ppm	0.5500 g	1.0 mg/Kg U	1	0.65	1.0			5/10/19 22:17:07	N	II
1904026-008	Vanadium, Total	N/A		Soil	0.12 ppm	0.5500 g	11.3 mg/Kg	1	0.8	4.9			5/10/19 22:17:07	N	II
1904026-008	Zinc, Total	N/A		Soil	0.24 ppm	0.5500 g	23.8 mg/Kg	1	1.4	2.0			5/10/19 22:17:07	N	II
1904026-010	Aluminum, Total	N/A		Soil	53.30 ppm	0.5 g	5760 mg/Kg	1	13	22			5/10/19 22:20:26	N	II
1904026-010	Antimony, Total	N/A		Soil	0.00 ppm	0.5 g	6.5 mg/Kg U	1	0.6	6.5			5/10/19 22:20:26	N	II
1904026-010	Arsenic, Total	N/A		Soil	0.02 ppm	0.5 g	2.7 mg/Kg	1	0.8	1.1			5/10/19 22:20:26	N	II
1904026-010	Beryllium, Total	N/A		Soil	0.00 ppm	0.5 g	0.22 mg/Kg J	1	0.04	0.32			5/10/19 22:20:26	N	II
1904026-010	Cadmium, Total	N/A		Soil	0.00 ppm	0.5 g	0.24 mg/Kg J	1	0.08	0.54			5/10/19 22:20:26	N	II
1904026-010	Calcium, Total	N/A		Soil	4.28 ppm	0.5 g	460 mg/Kg B	1	40	110			5/10/19 22:20:26	N	II
1904026-010	Chromium, Total	N/A		Soil	0.06 ppm	0.5 g	6.6 mg/Kg	1	0.4	1.1			5/10/19 22:20:26	N	II
1904026-010	Cobalt, Total	N/A		Soil	0.03 ppm	0.5 g	3.4 mg/Kg J	1	0.3	5.4			5/10/19 22:20:26	N	II
1904026-010	Copper, Total	N/A		Soil	0.15 ppm	0.5 g	16.7 mg/Kg	1	0.7	2.2			5/10/19 22:20:26	N	II
1904026-010	Lead, Total	N/A		Soil	0.03 ppm	0.5 g	2.9 mg/Kg J	1	0.5	5.4			5/10/19 22:20:26	N	II
1904026-010	Magnesium, Total	N/A		Soil	22.43 ppm	0.5 g	2430 mg/Kg	1	20	110			5/10/19 22:20:26	N	II
1904026-010	Manganese, Total	N/A		Soil	3.70 ppm	0.5 g	400 mg/Kg	1	1.7	2.2			5/10/19 22:20:26	N	II
1904026-010	Nickel, Total	N/A		Soil	0.08 ppm	0.5 g	8.4 mg/Kg	1	0.8	4.3			5/10/19 22:20:26	N	II
1904026-010	Potassium, Total	N/A		Soil	3.78 ppm	0.5 g	410 mg/Kg	1	20	220			5/10/19 22:20:26	N	II
1904026-010	Selenium, Total	N/A		Soil	0.01 ppm	0.5 g	1.0 mg/Kg J	1	0.6	1.1			5/10/19 22:20:26	N	II
1904026-010	Silver, Total	N/A		Soil	0.00 ppm	0.5 g	1.1 mg/Kg U	1	0.08	1.1			5/10/19 22:20:26	N	II
1904026-010	Thallium, Total	N/A		Soil	-0.01 ppm	0.5 g	1.1 mg/Kg U	1	0.8	1.1			5/10/19 22:20:26	N	II
1904026-010	Vanadium, Total	N/A		Soil	0.10 ppm	0.5 g	11.2 mg/Kg	1	0.8	5.4			5/10/19 22:20:26	N	II
1904026-010	Zinc, Total	N/A		Soil	0.21 ppm	0.5 g	23.2 mg/Kg	1	1.6	2.2			5/10/19 22:20:26	N	II
1904038-001	Arsenic, Total	N/A		Sludge, Solid	0.01 ppm	0.5 g	6.1 mg/Kg	1	4.0	5.6			5/10/19 22:23:45	N	II
1904038-001	Cadmium, Total	N/A		Sludge, Solid	0.00 ppm	0.5 g	2.8 mg/Kg U	1	0.5	2.8			5/10/19 22:23:45	N	II
1904038-001	Chromium, Total	N/A		Sludge, Solid	0.15 ppm	0.5 g	82.0 mg/Kg	1	2.0	5.6			5/10/19 22:23:45	N	II
1904038-001	Copper, Total	N/A		Sludge, Solid	1.01 ppm	0.5 g	563 mg/Kg	1	4	11			5/10/19 22:23:45	N	II
1904038-001	Lead, Total	N/A		Sludge, Solid	0.08 ppm	0.5 g	47 mg/Kg	1	3	28			5/10/19 22:23:45	N	II
1904038-001	Molybdenum, Total	N/A		Sludge, Solid	0.02 ppm	0.5 g	14 mg/Kg U	1	3	14			5/10/19 22:23:45	N	II
1904038-001	Nickel, Total	N/A		Sludge, Solid	0.02 ppm	0.5 g	22 mg/Kg U	1	4	22			5/10/19 22:23:45	N	II

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-ICP-AES-06

Analyst: LHERRING

Analysis Lot: 635189 Method/Testcode: 6010C/K T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
R1904038-001	Potassium, Total	N/A		Sludge, Solid	2.14 ppm	0.5 g	1200 mg/Kg	1	60	1100			5/10/19 22:23:45	N	II
R1904038-001	Selenium, Total	N/A		Sludge, Solid	0.01 ppm	0.5 g	6.8 mg/Kg	1	3.1	5.6			5/10/19 22:23:45	N	II
R1904038-001	Zinc, Total	N/A		Sludge, Solid	1.60 ppm	0.5 g	894 mg/Kg	1	8	11			5/10/19 22:23:45	N	II
R1904024-001	Iron, Total	N/A		Soil	20.14 ppm	0.5 g	24800 mg/Kg	10	160	250			5/10/19 22:27:04	N	IV
RQ1904302-01	Iron, Total	MS	R1904024-001	Soil	20.44 ppm	0.5300 g	23700 mg/Kg	10	160	230	-911*		5/10/19 22:30:23	N	IV
RQ1904302-02	Iron, Total	DMS	R1904024-001	Soil	22.91 ppm	0.5200 g	27100 mg/Kg	10	160	240	1960*	13	5/10/19 22:33:42	N	IV
R1904024-002	Iron, Total	N/A		Soil	24.20 ppm	0.5300 g	28700 mg/Kg	10	160	240			5/10/19 22:50:22	N	IV
R1904024-003	Iron, Total	N/A		Soil	19.82 ppm	0.5200 g	28300 mg/Kg	10	190	290			5/10/19 22:53:40	N	IV
R1904024-004	Iron, Total	N/A		Soil	21.22 ppm	0.5400 g	25600 mg/Kg	10	160	240			5/10/19 22:56:59	N	IV
R1904024-005	Iron, Total	N/A		Soil	26.93 ppm	0.5500 g	35500 mg/Kg	10	180	260			5/10/19 23:00:18	N	IV
R1904024-005	Manganese, Total	N/A		Soil	1.16 ppm	0.5500 g	1530 mg/Kg	10	20	26			5/10/19 23:00:18	N	IV
R1904026-002	Iron, Total	N/A		Soil	12.51 ppm	0.5300 g	12700 mg/Kg	10	140	200			5/10/19 23:03:37	N	II
R1904026-004	Iron, Total	N/A		Soil	8.04 ppm	0.5200 g	8100 mg/Kg	10	140	200			5/10/19 23:06:56	N	II
R1904026-006	Iron, Total	N/A		Soil	11.57 ppm	0.5200 g	11800 mg/Kg	10	140	200			5/10/19 23:10:15	N	II
R1904026-008	Iron, Total	N/A		Soil	11.01 ppm	0.5500 g	10700 mg/Kg	10	130	200			5/10/19 23:13:34	N	II
R1904026-010	Iron, Total	N/A		Soil	10.18 ppm	0.5 g	11000 mg/Kg	10	150	220			5/10/19 23:23:32	N	II

* indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000	990	99	1000	984	98	966	97	P
Barium	10000	10400	104	10000	10400	104	10100	101	P
Cadmium	500	502	100	500	501	100	491	98	P
Chromium	500	510	102	500	507	101	491	98	P
Lead	500	505	101	500	506	101	495	99	P
Selenium	500	487	97	500	493	99	485	97	P
Silver	500	496	99	500	496	99	490	98	P

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Initial Calibration Source: PERKIN ELMER

Continuing Calibration Source: PERKIN ELMER

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000	971	97			P
Barium				10000	10200	102			P
Cadmium				500	491	98			P
Chromium				500	498	100			P
Lead				500	499	100			P
Selenium				500	484	97			P
Silver				500	493	99			P

Comments:

METALS

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BLANKS

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L		Continuing Calibration Blank ug/L						Preparation Blank		M
	C		1	C	2	C	3	C	C		
Arsenic	500.00	U	500.00	U	500.00	U	500.00	U	500.000	U	P
Barium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Cadmium	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Chromium	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Lead	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Selenium	500.00	U	500.00	U	500.00	U	500.00	U	500.000	U	P
Silver	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P

Comments:

METALS

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ANALYSIS RUN LOG

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: IDW-1

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/10/2019 End Date: 5/10/2019

Sample ID.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
BLANK	1.00	13:53				X	X		X	X				X						X	X					
STANDARD 1	1.00	13:56				X	X		X	X				X						X	X					
STANDARD 2	1.00	14:00				X	X		X	X				X						X	X					
STANDARD 3	1.00	14:03				X	X		X	X				X						X	X					
STANDARD 4	1.00	14:06				X	X		X	X				X						X	X					
STANDARD 5	1.00	14:10				X	X		X	X				X						X	X					
ICV1	1.00	14:14				X	X		X	X				X						X	X					
ICB1	1.00	14:17				X	X		X	X				X						X	X					
CRDL1	1.00	14:20				X	X		X	X				X						X	X					
ICS-A1	1.00	14:24				X	X		X	X				X						X	X					
ICS-AB1	1.00	14:27				X	X		X	X				X						X	X					
CCV1	1.00	14:30				X	X		X	X				X						X	X					
CCB1	1.00	14:34				X	X		X	X				X						X	X					
PBT	1.00	14:37				X	X		X	X				X						X	X					
ZZZZZ	1.00	14:40																								
LCST	1.00	14:44				X	X		X	X				X						X	X					
ZZZZZ	1.00	14:47																								
ZZZZZ	1.00	14:50																								
ZZZZZ	1.00	14:54																								
ZZZZZ	1.00	14:57																								
ZZZZZ	1.00	15:00																								
ZZZZZ	1.00	15:04																								
ZZZZZ	5.00	15:07																								
IDW-1	1.00	15:10				X	X		X	X				X						X	X					
CCV2	1.00	15:14				X	X		X	X				X						X	X					
CCB2	1.00	15:17				X	X		X	X				X						X	X					
CRDL2	1.00	15:20				X	X		X	X				X						X	X					
ICS-A2	1.00	15:23				X	X		X	X				X						X	X					
ICS-AB2	1.00	15:27				X	X		X	X				X						X	X					
ZZZZZ	1.00	15:30																								
ZZZZZ	1.00	15:33																								
ZZZZZ	1.00	15:37																								
CCV3	1.00	15:40				X	X		X	X				X						X	X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: IDW-1

Instrument ID Number: Agilent ICP Method: P

Start Date: 5/10/2019 End Date: 5/10/2019

Sample ID.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
CCB3	1.00	15:43				X	X		X	X				X					X	X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

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PREPARATION LOG

Contract: R1903955

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: IDW-1

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
LCST	5/9/2019	50.0	50.0
PBT	5/9/2019	50.0	50.0
IDW-1	5/9/2019	50.0	50.0

Comments:



General Chemistry

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Soil
Sample Name: IDW-1
Lab Code: R1903955-001

Service Request: R1903955
Date Collected: 04/30/19 15:15
Date Received: 05/02/19 16:23
Basis: As Received

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
pH	9045D	7.92	pH Units	-	1	05/03/19 16:45	H
Total Solids	ALS SOP	81.1	Percent	-	1	05/07/19 07:25	

Analytical Results Summary

Instrument Name: R-pH-05

Analyst: KWONG

Analysis Lot: 634967 Method/Testcode: 9045D/pH

<u>Lab Code</u>	<u>Target Analytes</u>	<u>QC</u>	<u>Parent Sample</u>	<u>Matrix</u>	<u>Raw Result</u>	<u>Sample Amt.</u>	<u>Final Result</u>	<u>Dil</u>	<u>MDL</u>	<u>PQL</u>	<u>% Rec</u>	<u>% RSD</u>	<u>Date Analyzed</u>	<u>QC?</u>	<u>Tier</u>
1903897-001	pH	N/A		Soil	11.75 pH Units		11.75 pH Units	1 ✓					5/3/19 16:45:00	N	II
1903900-001	pH	N/A		Sludge, Solid	6.90 pH Units		6.90 pH Units	1 ✓					5/3/19 16:45:00	N	II
1904379-01	pH	DUP	R1903900-001	Sludge, Solid	6.94 pH Units		6.94 pH Units	1 ✓				<1	5/3/19 16:45:00	N	II
1903943-003	pH	N/A		Sludge, Solid	7.81 pH Units		7.81 pH Units	1 ✓					5/3/19 16:45:00	N	II
1903955-001	pH	N/A		Soil	7.92 pH Units		7.92 pH Units	1 ✓					5/3/19 16:45:00	N	IV

✓

 5/10/19

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analyte: pH

Analyte: Corrosivity

Date: 5/3/2019

pH Meter Calibration

Method: SM 4500H+B/9040C

Method: 9045D

Analyst: KAW

pH Meter: R-PH-05

Room Temp °C: 21.4

pH Probe: 14230F0008

TV of 7 buffer (Orion 910107)

Balance ID: SCOUT PRO

Thermometer: 422

Corr Factor °C: -0.3

°C	TV	°C	TV
16-17	7.03	23-25	7.00
18-19	7.02	26-28	6.99
20-22	7.01	29-30	6.98

2	Lot #:	
4	4	Lot #: 191004
10	10	Lot #: 198372
12	12	Lot #: BDB26160A
7	7.03	Lot #: 198375
ICV Limits: ±0.05		Pass? Y

9045 Preparation

Client ID (if needed)	Order #	For Color?	Is Aqueous >20% (y/n)	pH	Observed Temp °C	Corrected Temp °C	Time of analysis	Sample (g)	DI (mL)	Time shaken (min)	Time settling (min)	Comments
1	R1903897-001	N	N	11.750			16:45	20	20	5:00	60	
2	R1903900-001	N	N	6.900			16:45	20	20	5:00	60	
3	R1903900-001 DUP	N	N	6.940			16:45	20	20	5:00	60	
4	R1903943-003	N	N	7.810			16:45	20	30	5:00	60	
5	R1903955-001	N	N	7.920			16:45	20	20	5:00	60	
6	PH 10 CHECK	N	N	9.990			16:45					

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634506 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903954-001	Total Solids	N/A		Soil	83.38 Percent		83.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-002	Total Solids	N/A		Soil	85.78 Percent		85.8 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-003	Total Solids	N/A		Soil	85.35 Percent		85.3 Percent	1 ✓					5/7/19 07:25	N	IV
1904208-01	Total Solids	DUP	R1903954-003	Soil	83.16 Percent		83.2 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903954-004	Total Solids	N/A		Soil	84.03 Percent		84.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-005	Total Solids	N/A		Soil	77.70 Percent		77.7 Percent	1 ✓					5/7/19 07:25	N	IV
1904208-02	Total Solids	DUP	R1903954-005	Soil	75.38 Percent		75.4 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903954-006	Total Solids	N/A		Soil	76.46 Percent		76.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-007	Total Solids	N/A		Soil	81.43 Percent		81.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-008	Total Solids	N/A		Soil	89.50 Percent		89.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-009	Total Solids	N/A		Soil	84.39 Percent		84.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-010	Total Solids	N/A		Soil	88.85 Percent		88.8 Percent	1 ✓					5/7/19 07:25	N	IV
1903954-011	Total Solids	N/A		Soil	83.41 Percent		83.4 Percent	1 ✓					5/7/19 07:25	N	IV

✓
5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634507 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903923-001	Total Solids	N/A		Soil	56.68 Percent		56.7 Percent	1 ✓					5/7/19 07:25	N	IV
1904209-02	Total Solids	DUP	R1903923-001	Soil	55.02 Percent		55.0 Percent	1 ✓				3	5/7/19 07:25	N	IV
1903923-002	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-003	Total Solids	N/A		Soil	92.36 Percent		92.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-004	Total Solids	N/A		Soil	81.57 Percent		81.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903923-005	Total Solids	N/A		Soil	81.71 Percent		81.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903955-001	Total Solids	N/A		Soil	81.06 Percent		81.1 Percent	1 ✓					5/7/19 07:25	N	IV
1903967-001	Total Solids	N/A		Soil	91.15 Percent		91.1 Percent	1 ✓					5/7/19 07:25	N	II
1903967-002	Total Solids	N/A		Soil	91.18 Percent		91.2 Percent	1 ✓					5/7/19 07:25	N	II
1903967-003	Total Solids	N/A		Soil	91.54 Percent		91.5 Percent	1 ✓					5/7/19 07:25	N	II
1903967-004	Total Solids	N/A		Soil	85.40 Percent		85.4 Percent	1 ✓					5/7/19 07:25	N	II
1903967-005	Total Solids	N/A		Soil	86.99 Percent		87.0 Percent	1 ✓					5/7/19 07:25	N	II
1903967-006	Total Solids	N/A		Soil	94.77 Percent		94.8 Percent	1 ✓					5/7/19 07:25	N	II
1903967-007	Total Solids	N/A		Soil	91.03 Percent		91.0 Percent	1 ✓					5/7/19 07:25	N	II
1903967-008	Total Solids	N/A		Soil	90.92 Percent		90.9 Percent	1 ✓					5/7/19 07:25	N	II
1903967-009	Total Solids	N/A		Soil	94.96 Percent		95.0 Percent	1 ✓					5/7/19 07:25	N	II
1904209-01	Total Solids	DUP	R1903967-009	Soil	94.77 Percent		94.8 Percent	1 ✓				<1	5/7/19 07:25	N	II
1903967-010	Total Solids	N/A		Soil	87.68 Percent		87.7 Percent	1 ✓					5/7/19 07:25	N	II

✓

 5/7/19

! indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: R-Balance-17

Analyst: KAWONG

Analysis Lot: 634508 Method/Testcode: ALS SOP/Total Solids

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1903959-001	Total Solids	N/A		Soil	82.47 Percent		82.5 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-002	Total Solids	N/A		Soil	76.59 Percent		76.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-003	Total Solids	N/A		Soil	84.74 Percent		84.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-004	Total Solids	N/A		Soil	85.30 Percent		85.3 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-005	Total Solids	N/A		Soil	86.07 Percent		86.1 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-006	Total Solids	N/A		Soil	87.36 Percent		87.4 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-007	Total Solids	N/A		Soil	85.66 Percent		85.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-008	Total Solids	N/A		Soil	84.22 Percent		84.2 Percent	1 ✓					5/7/19 07:25	N	IV
1903959-009	Total Solids	N/A		Soil	83.33 Percent		83.3 Percent	1 ✓					5/7/19 07:25	N	IV
Q1904210-01	Total Solids	DUP	R1903959-009	Soil	82.62 Percent		82.6 Percent	1 ✓				<1	5/7/19 07:25	N	IV
1903959-010	Total Solids	N/A		Soil	87.72 Percent		87.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903897-001	Total Solids	N/A		Soil	97.02 Percent		97.0 Percent	1 ✓					5/7/19 07:25	N	II
1903957-001	Total Solids	N/A		Soil	86.65 Percent		86.7 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-002	Total Solids	N/A		Soil	86.82 Percent		86.8 Percent	1 ✓					5/7/19 07:25	Y	IV
Q1904210-02	Total Solids	DUP	R1903957-002	Soil	86.26 Percent		86.3 Percent	1 ✓				<1	5/7/19 07:25	N	IV
1903957-003	Total Solids	N/A		Soil	88.24 Percent		88.2 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-004	Total Solids	N/A		Soil	91.90 Percent		91.9 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-005	Total Solids	N/A		Soil	87.58 Percent		87.6 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-006	Total Solids	N/A		Soil	88.05 Percent		88.0 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-007	Total Solids	N/A		Soil	84.34 Percent		84.3 Percent	1 ✓					5/7/19 07:25	N	IV
1903957-008	Total Solids	N/A		Soil	92.45 Percent		92.4 Percent	1 ✓					5/7/19 07:25	N	IV

✓
KAWONG
5/7/19

† indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method : ALS SOP

Analyst: KW
 Pipet: NA

Date: 5/7/19
 Time: 7:25

Thermolyne F48025-6048000 Muffle Furnace

Balance ID R-BALANCE-018.17 KALD Oven ID 7

Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:

$\% VS = (A - D) / (A - B) * 100$

% Solids:

$\% Solid = (A - B) / (C - B) * 100$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
1	MB	1	B) 2.4700	Dry wgt (A): 2.4700		1.00
			C)	550 wgt (D):		
2	R1903959-001	2	B) 2.4000	Dry wgt (A): 11.1500		82.47
			C) 13.0100	550 wgt (D):		
3	R1903959-002	3	B) 2.4200	Dry wgt (A): 10.2400		76.59
			C) 12.6300	550 wgt (D):		
4	R1903959-003	4	B) 2.4600	Dry wgt (A): 11.0100		84.74
			C) 12.5500	550 wgt (D):		
5	R1903959-004	5	B) 2.4200	Dry wgt (A): 11.2400		85.30
			C) 12.7600	550 wgt (D):		
6	R1903959-005	6	B) 2.4700	Dry wgt (A): 11.6800		86.07
			C) 13.1700	550 wgt (D):		
7	R1903959-006	7	B) 2.4800	Dry wgt (A): 11.8100		87.36
			C) 13.1600	550 wgt (D):		
8	R1903959-007	8	B) 2.4600	Dry wgt (A): 12.0800		85.66
			C) 13.6900	550 wgt (D):		
9	R1903959-008	9	B) 2.4000	Dry wgt (A): 11.4200		84.22
			C) 13.1100	550 wgt (D):		
10	R1903959-009	10	B) 2.4400	Dry wgt (A): 10.9900		83.33
			C) 12.7000	550 wgt (D):		
11	R1903959-009 DUP	11	B) 2.4100	Dry wgt (A): 11.3000		82.62
			C) 13.1700	550 wgt (D):		
12	R1903959-010	12	B) 2.3900	Dry wgt (A): 11.9600		87.72
			C) 13.3000	550 wgt (D):		
13	R1903897-001	13	B) 2.4000	Dry wgt (A): 12.1800		97.02
			C) 12.4800	550 wgt (D):		
14	R1903957-001	14	B) 2.4000	Dry wgt (A): 11.3600		86.65
			C) 12.7400	550 wgt (D):		
15	R1903957-002	15	B) 2.4200	Dry wgt (A): 11.5100		86.82
			C) 12.8900	550 wgt (D):		
16	R1903957-002 DUP	16	B) 2.4100	Dry wgt (A): 11.6400		86.26
			C) 13.1100	550 wgt (D):		
17	R1903957-003	17	B) 2.4200	Dry wgt (A): 11.4200		88.24
			C) 12.6200	550 wgt (D):		
18	R1903957-004	18	B) 2.4100	Dry wgt (A): 11.7100		91.90
			C) 12.5300	550 wgt (D):		
19	R1903957-005	19	B) 2.3800	Dry wgt (A): 11.9000		87.58
			C) 13.2500	550 wgt (D):		
20	R1903957-006	20	B) 2.3900	Dry wgt (A): 12.4100		88.05
			C) 13.7700	550 wgt (D):		

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method : ALS SOP

Analyst: KW
 Pipet: NA

Date: 5/7/19
 Time: 7:25

Thermolyne F48025-6048000 Muffle Furnace
 Balance ID R-BALANCE-018 17 Oven ID 7
 Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:

$\% VS = (A - D) / (A - B) * 100$

% Solids:

$\% Solid = (A - B) / (C - B) * 100$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
21	R1903957-007	21	B) 2.3900	Dry wgt (A): 11.6500		84.34
			C) 13.3700	550 wgt (D):		
22	R1903957-008	22	B) 2.3900	Dry wgt (A): 12.0600		92.45
			C) 12.8500	550 wgt (D):		
23	MB	23	B) 2.4500	Dry wgt (A): 2.4400		1.00
			C)	550 wgt (D):		
24	R1903923-001	24	B) 2.4000	Dry wgt (A): 8.7200		56.68
			C) 13.5500	550 wgt (D):		
25	R1903923-001 DUP	25	B) 2.4400	Dry wgt (A): 8.3000		55.02
			C) 13.0900	550 wgt (D):		
26	R1903923-002	26	B) 2.4700	Dry wgt (A): 11.2300		86.99
			C) 12.5400	550 wgt (D):		
27	R1903923-003	27	B) 2.4800	Dry wgt (A): 12.2700		92.36
			C) 13.0800	550 wgt (D):		
28	R1903923-004	28	B) 2.4900	Dry wgt (A): 10.9900		81.57
			C) 12.9100	550 wgt (D):		
29	R1903923-005	29	B) 2.4700	Dry wgt (A): 10.7800		81.71
			C) 12.6400	550 wgt (D):		
30	R1903955-001	30	B) 2.4700	Dry wgt (A): 10.9000		81.06
			C) 12.8700	550 wgt (D):		
31	R1903967-001	31	B) 2.4000	Dry wgt (A): 12.1800		91.15
			C) 13.1300	550 wgt (D):		
32	R1903967-002	32	B) 2.3800	Dry wgt (A): 11.9900		91.18
			C) 12.9200	550 wgt (D):		
33	R1903967-003	33	B) 2.4400	Dry wgt (A): 11.7500		91.54
			C) 12.6100	550 wgt (D):		
34	R1903967-004	34	B) 2.4600	Dry wgt (A): 11.3500		85.40
			C) 12.8700	550 wgt (D):		
35	R1903967-005	35	B) 2.4400	Dry wgt (A): 12.2700		86.99
			C) 13.7400	550 wgt (D):		
36	R1903967-006	36	B) 2.4400	Dry wgt (A): 12.0500		94.77
			C) 12.5800	550 wgt (D):		
37	R1903967-007	37	B) 2.4800	Dry wgt (A): 11.6100		91.03
			C) 12.5100	550 wgt (D):		
38	R1903967-008	38	B) 2.5000	Dry wgt (A): 12.0100		90.92
			C) 12.9600	550 wgt (D):		
39	R1903967-009	39	B) 2.4400	Dry wgt (A): 12.0400		94.96
			C) 12.5500	550 wgt (D):		
40	R1903967-009 DUP	40	B) 2.5200	Dry wgt (A): 12.1200		94.77
			C) 12.6500	550 wgt (D):		

Analyte: % Volatile Solids
 Method: SM20 2540G
 Analytes: Dry Weight % Solid
 Method : ALS SOP

Analyst: KW

Date: 5/7/19

Pipet: NA

Time: 7:25

Thermolyne F48025-6048000 Muffle Furnace

Balance ID R-BALANCE-01817 Oven ID 7

Class 1 Weight Initial: 9.99 Final: 9.99

% Volatile Solids:

$\% VS = (A - D) / (A - B) * 100$

% Solids:

$\% Solid = (A - B) / (C - B) * 100$

Where: A = wgt (g) of dried residue + dish

B = wgt (g) of tared dish

C = wgt (g) of wet sample + dish

D = wgt (g) of residue + dish after ign. @550 C.

Misc.	Order #	Dish ID	Before Ignition / Wet Weight (g)	After Ignition / Dry Weight (g)	% Volatile Solids	% Solids
41	R1903967-010	41	B) 2.4500	Dry wgt (A): 12.4100		87.68
			C) 13.8100	550 wgt (D):		
42	MB	42	B) 2.5000	Dry wgt (A): 2.5200		1.00
			C)	550 wgt (D):		
43	R1903954-001	43	B) 2.4400	Dry wgt (A): 11.5200		83.38
			C) 13.3300	550 wgt (D):		
44	R1903954-002	44	B) 2.4300	Dry wgt (A): 11.3600		85.78
			C) 12.8400	550 wgt (D):		
45	R1903954-003	45	B) 2.4700	Dry wgt (A): 11.1500		85.35
			C) 12.6400	550 wgt (D):		
46	R1903954-003 DUP	46	B) 2.4500	Dry wgt (A): 11.2900		83.16
			C) 13.0800	550 wgt (D):		
47	R1903954-004	47	B) 2.4200	Dry wgt (A): 11.3100		84.03
			C) 13.0000	550 wgt (D):		
48	R1903954-005	48	B) 2.4700	Dry wgt (A): 10.9000		77.70
			C) 13.3200	550 wgt (D):		
49	R1903954-005 DUP	49	B) 2.4300	Dry wgt (A): 10.3600		75.38
			C) 12.9500	550 wgt (D):		
50	R1903954-006	50	B) 2.4500	Dry wgt (A): 10.5700		76.46
			C) 13.0700	550 wgt (D):		
51	R1903954-007	51	B) 2.4800	Dry wgt (A): 10.6800		81.43
			C) 12.5500	550 wgt (D):		
52	R1903954-008	52	B) 2.4500	Dry wgt (A): 12.3400		89.50
			C) 13.5000	550 wgt (D):		
53	R1903954-009	53	B) 2.4100	Dry wgt (A): 11.4900		84.39
			C) 13.1700	550 wgt (D):		
54	R1903954-010	54	B) 2.3900	Dry wgt (A): 11.6300		88.85
			C) 12.7900	550 wgt (D):		
55	R1903954-011	55	B) 2.4600	Dry wgt (A): 11.4100		83.41
			C) 13.1900	550 wgt (D):		



Subcontracted Analytical Parameters

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Metals

Case Narrative

ALS Environmental

R1903955

Work Order Number: 1905362

1. This report consists of 1 TCLP sample.
2. The sample was received cool and intact by ALS on 05/17/19.
3. The sample was prepared and analyzed based on SW-846, 3rd Edition procedures.

The sample for TCLP analysis was processed through the TCLP leaching procedure based on method 1311. The leachate was then digested at a ten-fold dilution.

For analysis by Cold Vapor AA (CVAA), the sample was digested following method 7470A and the current revision of SOP 812.

4. Analysis by CVAA followed method 7470A and the current revision of SOP 812.
5. All standards and solutions are NIST traceable and were used within their recommended shelf life.
6. The sample was prepared and analyzed within the established hold time.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
 - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in this digestion batch.
 - The preparation (method) blank associated with this digestion batch was below the reporting limit for the requested analyte.
 - All laboratory control sample criteria were met.



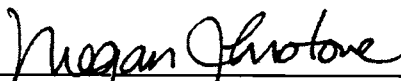
- All initial and continuing calibration blanks were below the reporting limit for the requested analyte.
- All initial and continuing calibration verifications were within the acceptance criteria for the requested analyte.

8. Matrix specific quality control procedures.

Per method requirements, matrix QC was performed for this analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

9. Sample dilutions were not required for the requested analysis.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.



Megan Johnstone
Inorganics Primary Data Reviewer

5/22/19
Date



Steve Workman
Inorganics Final Data Reviewer

5/22/19
Date



Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses:

- Result qualifier -- A “J” is entered if the reported value was obtained from a reading that was less than the Reporting Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered. For samples, negative values are reported as non-detects (“U” flagged). For blanks, if the absolute value of the negative value is above the MDL and below the reporting limit, then the result is “J” flagged.
- QC qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 - M - Duplicate injection precision was not met.
 - N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 - Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Chain of Custody

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 1905362

Client Name: ALS Environmental

Client Project Name:

Client Project Number: R1903955

Client PO Number: 58R1903955

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
IDW-1	1905362-1		LEACHAT	30-Apr-19	15:15

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Brady Kalkman

1905362

Project Number: R1903955
 Project Manager: Brady Kalkman
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample			Lab ID	Hg TCLP 7470A
				Date	Time	Time		
R1903955-001	IDW-1	1	Soil	4/30/19	1515	Fort Collins ALS	X	

1338 of 1414

TCUP already seen, MS provided R01904325-01
TCUP II - ASAP
TCUP II - 5/23

Special Instructions/Comments P - Test is Authorized for Prep Only Test is On Hold	Turnaround Requirements RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 STANDARD Requested FAX Date: _____ Requested Report Date: <u>05/13/19</u>	Report Requirements I. Results Only X II. Results + QC Summaries III. Results + QC and Calibration Summaries X IV. Data Validation Report with Raw Data PQL(MD)/J <u>Y</u> EDD <u>Y</u> MS VLL <u>Apr 23 19</u> <u>State</u> <u>for: EDD</u>	Invoice Information PO# 58R1903955 Bill to
	Relinquished By: <u>Sherry Dalton 5/16/19 1400</u> Received By: <u>VTJ 5/17/19 0950</u> Airbill Number: _____ 3		



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: ALS NY

Workorder No: 1905362

Project Manager: JK

Initials: ng

Date: 5/17/19

1. Are airbills / shipping documents present and/or removable?		DROP OFF	<input checked="" type="radio"/> YES	<input type="radio"/> NO			
2. Are custody seals on shipping containers intact?		NONE	<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
3. Are custody seals on sample containers intact?		NONE	<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
4. Is there a COC (chain-of-custody) present?			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
6. Are short-hold samples present?			<input type="radio"/> YES	<input checked="" type="radio"/> NO			
7. Are all samples within holding times for the requested analyses?			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
8. Were all sample containers received intact? (not broken or leaking)			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
9. Is there sufficient sample for the requested analyses?			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
10. Are all samples in the proper containers for the requested analyses?			<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
11. Are all aqueous samples preserved correctly, if required? (excluding volatiles)		N/A	<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
12. Are all aqueous non-preserved samples pH 4-9?		N/A	<input checked="" type="radio"/> YES	<input type="radio"/> NO *			
13. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm (1/4 inch) diameter? (i.e. size of green pea)		N/A	<input type="radio"/> YES	<input type="radio"/> NO			
14. Were the samples shipped on ice?			<input checked="" type="radio"/> YES	<input type="radio"/> NO			
15. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*:	#1	<input checked="" type="radio"/> #3	#4	RAD ONLY	<input checked="" type="radio"/> YES	<input type="radio"/> NO
Cooler #: <u>1</u>							
Temperature (°C): <u>0.9</u>							
No. of custody seals on cooler: <u>1</u>							
External µR/hr reading: <u>10</u>							
Background µR/hr reading: <u>10</u>							
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / NA (if no, see Form 008.)							

* Please provide details here for NO responses to gray boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.
The sample date on the bottle is 5/19/19, COC lists 4/30/19
sample is 60% full

All client bottle ID's vs ALS lab ID's double-checked by: ng

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 5/20/19

1905362

ORIGIN ID:ONHA (585) 672-7464
SNO
ALS ENVIRONMENTAL
1585 JEFFERSON RD
BLDG 300 SUITE 380
ROCHESTER, NY 14623
UNITED STATES US

SHIP DATE: 18MAY19
ACTWGT: 55.50 LB
CAD: 0342584/CAFE3211

BILL THIRD PARTY

TO **SAMPLE RECEIVING**
ALS LABS - FT. COLLINS
225 COMMERCE DRIVE

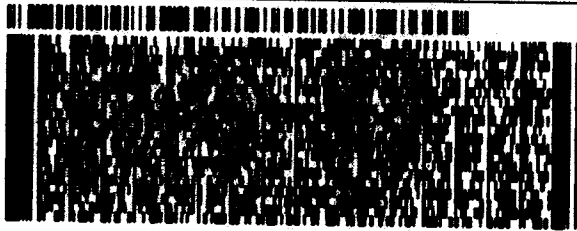
10-1
0.90

FORT COLLINS CO 80524

(877) 400-1511

REF:

DEPT:



FedEx
Express



1 of 2

TRK# 4846 1680 8160
0201

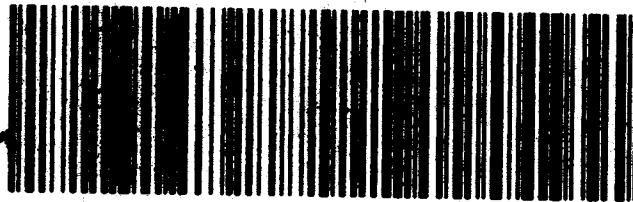
MASTER

FRI - 17 MAY 10:30A
PRIORITY OVERNIGHT

XH FTCA

80524
CO-US DEN

Part # 156148-434 RIT EXP 11/19 ::



Sample Results

TCLP Mercury

Method SW7470A --TCLP Leachate Sample Results

Lab Name: ALS -- Fort Collins

Work Order Number: 1905362

Client Name: ALS Environmental

ClientProject ID: R1903955

Field ID:	IDW-1
Lab ID:	1905362-1

Sample Matrix: LEACHATE

% Moisture: N/A

Date Collected: 30-Apr-19

Date Extracted: 21-May-19

Date Analyzed: 21-May-19

Prep Method: METHOD

Prep Batch: HG190521-1

QC Batch ID: HG190521-1-1

Run ID: HG190521-1A2

Cleanup: NONE

Basis: As Received

File Name: HG190521-1

Analyst: Kevin J. Meyer

Sample Aliquot: 2 ml

Final Volume: 20 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Result Qualifier	Reporting Limit	MDL
7439-97-6	MERCURY	1	0.0006	U	0.002	0.0006

Data Package ID: HG1905362-1

Date Printed: Wednesday, May 22, 2019

ALS -- Fort Collins

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Summary Report Forms

Mercury

Method SW7470A

Method Blank

Lab Name: ALS -- Fort Collins
Work Order Number: 1905362
Client Name: ALS Environmental
ClientProject ID: R1903955

Lab ID: 1905350-2MB

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 21-May-19
Date Analyzed: 21-May-19

Prep Batch: HG190521-1
QCBatchID: HG190521-1-1
Run ID: HG190521-1A2
Cleanup: NONE
Basis: N/A
File Name: HG190521-1

Sample Aliquot: 2 ml
Final Volume: 20 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Result Qualifier	Reporting Limit	MDL
7439-97-6	MERCURY	1	0.0006	U	0.002	0.0006

Data Package ID: HG1905362-1

Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: ALS -- Fort Collins
Work Order Number: 1905362
Client Name: ALS Environmental
ClientProject ID: R1903955

Lab ID: HG190521-1LCS	Sample Matrix: WATER % Moisture: N/A Date Collected: N/A Date Extracted: 05/21/2019 Date Analyzed: 05/21/2019 Prep Method: METHOD	Prep Batch: HG190521-1 QCBatchID: HG190521-1-1 Run ID: HG190521-1A2 Cleanup: NONE Basis: N/A File Name: HG190521-1	Sample Aliquot: 20 ml Final Volume: 20 ml Result Units: MG/L Clean DF: 1
------------------------------	--	---	---

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.000996	0.0002		100	80 - 120%

Data Package ID: *HG1905362-1*

Prep Batch ID: HG190521-1

Start Date: 05/21/19

End Date: 05/21/19

Concentration Method: NONE

Batch Created By: KJM

Start Time: 9:25

End Time: 18:00

Extract Method: METHOD

Date Created: 05/21/19

Prep Analyst: Kevin J. Meyer

Initial Volume Units: ml

Time Created: 9:25

Comments:

Final Volume Units: ml

Validated By: KJM

Date Validated: 05/21/19

Time Validated: 10:38

QC Batch ID: HG190521-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
1905350-2	MB	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	1905350
HG190521-1	MB	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
HG190521-1	LCS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-1	MS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-1	MSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905330-1	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	1905330
1905341-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905341
1905349-1	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905349
1905349-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905349
1905349-3	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905349
1905349-4	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905349
1905349-5	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905349
1905350-1	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	1905350
1905352-1	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905352
1905352-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905352
1905352-3	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905352
1905352-4	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905352
1905352-5	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905352
1905353-1	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-3	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-4	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905353-5	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	1905353
1905362-1	SMP	IDW-1	LEACHA	4/30/2019	2	20	NONE	1	1905362
1905363-1	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	1905363

Prep Batch ID: HG190521-1

Start Date: 05/21/19

End Date: 05/21/19

Concentration Method: NONE

Batch Created By: KJM

Start Time: 9:25

End Time: 18:00

Extract Method: METHOD

Date Created: 05/21/19

Prep Analyst: Kevin J. Meyer

Initial Volume Units: ml

Time Created: 9:25

Comments:

Final Volume Units: ml

Validated By: KJM

Date Validated: 05/21/19

Time Validated: 10:38

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
RVS	Reporting Level Verification Standar	SMP	Field Sample
SYS	Sample Yield Spike		

MERCURY
Method SW7470
Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1905362
Client Name: ALS Environmental
ClientProject ID: R1903955

Run ID: HG190521-1A2
Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	5/21/2019	11:23	0.001	0.00102	0.0002	N/A	102	90 - 110
CCV1	Continuing Calibration	5/21/2019	11:47	0.002	0.00199	0.0002	N/A	99	80 - 120
CCV2	Continuing Calibration	5/21/2019	12:13	0.002	0.00211	0.0002	N/A	105	80 - 120
CCV3	Continuing Calibration	5/21/2019	12:39	0.002	0.00198	0.0002	N/A	99	80 - 120
CCV4	Continuing Calibration	5/21/2019	13:05	0.002	0.00211	0.0002	N/A	105	80 - 120
CCV5	Continuing Calibration	5/21/2019	13:29	0.002	0.00200	0.0002	N/A	100	80 - 120
CCV6	Continuing Calibration	5/21/2019	13:53	0.002	0.00200	0.0002	N/A	100	80 - 120
CCV7	Continuing Calibration	5/21/2019	14:18	0.002	0.00201	0.0002	N/A	101	80 - 120
CCV8	Continuing Calibration	5/21/2019	14:39	0.002	0.00201	0.0002	N/A	101	80 - 120
CCV9	Continuing Calibration	5/21/2019	15:01	0.002	0.00215	0.0002	N/A	107	80 - 120
CCV10	Continuing Calibration	5/21/2019	15:25	0.002	0.00206	0.0002	N/A	103	80 - 120

Data Package ID: *HG1905362-1*

Date Printed: Wednesday, May 22, 2019

ALS -- Fort Collins
LIMS Version: 6.896

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MERCURY
Method SW7470
Calibration Blanks

Lab Name: ALS -- Fort Collins
Work Order Number: 1905362
Client Name: ALS Environmental
ClientProject ID: R1903955

Run ID: HG190521-1A2

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	5/21/2019	11:25	0.0000707	0.0002	U
CCB1	Continuing Calibration	5/21/2019	11:49	0.0000707	0.0002	U
CCB2	Continuing Calibration	5/21/2019	12:15	0.0000707	0.0002	U
CCB3	Continuing Calibration	5/21/2019	12:41	0.0000707	0.0002	U
CCB4	Continuing Calibration	5/21/2019	13:08	0.0000707	0.0002	U
CCB5	Continuing Calibration	5/21/2019	13:31	0.0000707	0.0002	U
CCB6	Continuing Calibration	5/21/2019	13:55	0.0000707	0.0002	U
CCB7	Continuing Calibration	5/21/2019	14:20	0.0000707	0.0002	U
CCB8	Continuing Calibration	5/21/2019	14:41	0.0000707	0.0002	U
CCB9	Continuing Calibration	5/21/2019	15:03	0.0000707	0.0002	U
CCB10	Continuing Calibration	5/21/2019	15:27	0.0000707	0.0002	U

Data Package ID: *HG1905362-1*

Date Printed: Wednesday, May 22, 2019

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Metals Linear Ranges

Lab Name: ALS -- Fort Collins

Work Order Number: 1905362

Client Name: ALS Environmental

ClientProject ID: R1903955

Instrument ID: CETAC7500

Active Date: 07/24/2016

Expiration Date: 10/22/2020

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.01

Mercury Run Log -- 5/21/2019

Instrument ID: CETAC7500
File Name: HG190521-1
AnalRunID: HG190521-1A1
CalibRefID: HG190521-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		STD0	1	5/21/2019	10:46
		STD1	1	5/21/2019	10:52
		STD2	1	5/21/2019	11:03
		STD3	1	5/21/2019	11:09
		STD4	1	5/21/2019	11:17
		STD5	1	5/21/2019	11:19
		STD6	1	5/21/2019	11:21
		ICV	1	5/21/2019	11:23
		ICB	1	5/21/2019	11:25
		CRA1	1	5/21/2019	11:27
		IPC	1	5/21/2019	11:30
		HG190520-2MB	1	5/21/2019	11:32
		HG190520-2LCS	1	5/21/2019	11:34
		EX190516-4MB	1	5/21/2019	11:36
		1905251-2	1	5/21/2019	11:39
		1905256-2	1	5/21/2019	11:41
		1905132-1	1	5/21/2019	11:43
		1905132-2	1	5/21/2019	11:45
		CCV1	1	5/21/2019	11:47
		CCB1	1	5/21/2019	11:49
		1905132-3	1	5/21/2019	11:51
		1905132-4	1	5/21/2019	11:54
		1905132-5	1	5/21/2019	11:56
		1905132-6	1	5/21/2019	11:58
		1905132-7	1	5/21/2019	12:00
		1905132-8	1	5/21/2019	12:02
		1905132-8L	5	5/21/2019	12:04
		1905132-8MS	1	5/21/2019	12:06
		1905132-8MSD	1	5/21/2019	12:09
		1905132-9	1	5/21/2019	12:11
		CCV2	1	5/21/2019	12:13
		CCB2	1	5/21/2019	12:15
		1905132-10	1	5/21/2019	12:17
		1905132-12	1	5/21/2019	12:19
		1905132-13	1	5/21/2019	12:21

Data Package ID: HG1905362-1

Mercury Run Log -- 5/21/2019

Instrument ID: CETAC7500
File Name: HG190521-1
AnalRunID: HG190521-1A1
CalibRefID: HG190521-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1905132-14	1	5/21/2019	12:24
		1905132-15	1	5/21/2019	12:26
		1905132-16	1	5/21/2019	12:28
		1905132-17	1	5/21/2019	12:30
		1905132-18	1	5/21/2019	12:32
		1905132-19	1	5/21/2019	12:34
		CRA2	1	5/21/2019	12:36
		CCV3	1	5/21/2019	12:39
		CCB3	1	5/21/2019	12:41
		HG190520-1MB	1	5/21/2019	12:43
		HG190520-1LCS	1	5/21/2019	12:45
		1905280-1	1	5/21/2019	12:47
		1905280-1L	5	5/21/2019	12:49
		1905280-1MS	1	5/21/2019	12:52
		1905280-1MSD	1	5/21/2019	12:55
		1905283-1	1	5/21/2019	12:57
		1905288-1	1	5/21/2019	12:59
		1905329-1	1	5/21/2019	13:01
		1905331-1	1	5/21/2019	13:03
		CCV4	1	5/21/2019	13:05
		CCB4	1	5/21/2019	13:08
		HG190521-1MB	1	5/21/2019	13:10
		HG190521-1LCS	1	5/21/2019	13:12
		1905350-2MB	1	5/21/2019	13:14
		1905330-1	1	5/21/2019	13:16
		1905341-2	1	5/21/2019	13:18
		1905349-1	1	5/21/2019	13:20
		1905349-2	1	5/21/2019	13:23
		1905349-3	1	5/21/2019	13:25
		1905349-4	1	5/21/2019	13:27
		CCV5	1	5/21/2019	13:29
		CCB5	1	5/21/2019	13:31
		1905349-5	1	5/21/2019	13:33
		1905350-1	1	5/21/2019	13:36
		1905352-1	1	5/21/2019	13:38

Data Package ID: HG1905362-1

Mercury Run Log -- 5/21/2019

Instrument ID: CETAC7500
File Name: HG190521-1
AnalRunID: HG190521-1A1
CalibRefID: HG190521-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1905352-2	1	5/21/2019	13:40
		1905352-3	1	5/21/2019	13:42
		1905352-4	1	5/21/2019	13:44
		1905352-5	1	5/21/2019	13:46
		1905353-1	1	5/21/2019	13:49
		1905353-1L	5	5/21/2019	13:51
		CCV6	1	5/21/2019	13:53
		CCB6	1	5/21/2019	13:55
		1905353-1MS	1	5/21/2019	13:57
		1905353-1MSD	1	5/21/2019	13:59
		1905353-2	1	5/21/2019	14:02
		1905353-3	1	5/21/2019	14:04
		1905353-4	1	5/21/2019	14:06
		1905353-5	1	5/21/2019	14:08
	IDW-1	1905362-1	1	5/21/2019	14:10
		1905363-1	1	5/21/2019	14:12
		CRA3	1	5/21/2019	14:15
		CCV7	1	5/21/2019	14:18
		CCB7	1	5/21/2019	14:20
		HG190521-2MB	1	5/21/2019	14:22
		HG190521-2LCS	1	5/21/2019	14:24
		FP190521-1MB	1	5/21/2019	14:26
		1905255-1	1	5/21/2019	14:28
		1905255-1L	5	5/21/2019	14:31
		1905255-1MS	1	5/21/2019	14:33
		1905255-1MSD	1	5/21/2019	14:35
		1905255-2	1	5/21/2019	14:37
		CCV8	1	5/21/2019	14:39
		CCB8	1	5/21/2019	14:41
		1905255-2L	5	5/21/2019	14:44
		1905255-2MS	1	5/21/2019	14:46
		1905255-2MSD	1	5/21/2019	14:48
		1905255-3	1	5/21/2019	14:50
		1905255-4	1	5/21/2019	14:52
		1905255-5	1	5/21/2019	14:54

Data Package ID: HG1905362-1

Mercury Run Log -- 5/21/2019

Instrument ID: CETAC7500
File Name: HG190521-1
AnalRunID: HG190521-1A1
CalibRefID: HG190521-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1905255-6	1	5/21/2019	14:56
		1905337-1	1	5/21/2019	14:59
		CCV9	1	5/21/2019	15:01
		CCB9	1	5/21/2019	15:03
		1905338-1	1	5/21/2019	15:05
		1905339-1	1	5/21/2019	15:07
		1905342-1	1	5/21/2019	15:09
		1905355-1	1	5/21/2019	15:12
		1905356-1	1	5/21/2019	15:14
		1905357-1	1	5/21/2019	15:16
		1905361-1	1	5/21/2019	15:18
		CRA4	1	5/21/2019	15:23
		CCV10	1	5/21/2019	15:25
		CCB10	1	5/21/2019	15:27

Data Package ID: HG1905362-1

Raw Data

Header Information for Analytical Run: HG190521-1A1

Analyst: KJM

Standards:

Stock A: 10ppm (ST190110-2)

Stock B: 10ppm (ST190110-3)

Daily standards made by diluting stock solution 100X

Reagents:

HNO₃: RG181105-2; **HCL**:RG181211-1; **SnCl**:RG170920-2; **KMnO₄**:RG190116-2

Hydroxylamine: RG190122-1; **H₂SO₄**: RG160614-1

Pipettes Used:

M-81 - 0.01 mL to 0.1 mL

M-80 - 0.1 mL to 1.0 mL

M-85 - 1.0 mL to 5.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.

5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.

10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.

20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.

50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.

100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.

500X - Dilution made by diluting a 5X dilution 100X

1000X - Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs
4. Record Hg intensity / Hg lamp current

Daily Maintenance done by: KJM

Monthly Maintenance:

1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

Monthly Maintenance done by: KJM 04/22/2019

Report Generated By CETAC QuickTrace

Analyst: KEVIN.MEYER

Worksheet file: C:\Program Files\QuickTrace\Worksheets\HG190521-1.wsz

Date Started: 5/20/2019 2:30:47 PM

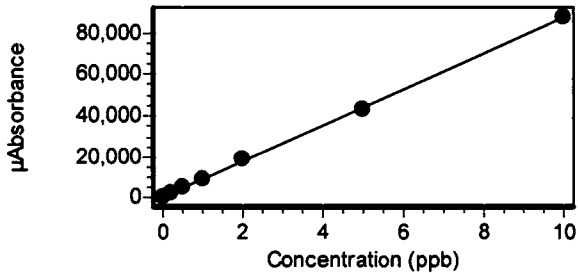
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	%RSD	Flags
Calibration Blank	STD	05/21/19 10:46:03 am	0.00000	5.52	
Replicates			138.1 136.9 124.6 125.4		
Standard #1 (0.20 ppb)	STD	05/21/19 10:52:19 am	0.20000	0.19	
Replicates			2090.5 2097.7 2097.8 2091.3		
Standard #2 (0.50 ppb)	STD	05/21/19 11:03:15 am	0.50000	0.25	
Replicates			4613.2 4628.1 4640.7 4634.5		
Standard #3 (1.0 ppb)	STD	05/21/19 11:09:39 am	1.00000	0.12	
Replicates			8925.7 8936.9 8948.1 8947.0		
Standard #4 (2.0 ppb)	STD	05/21/19 11:17:00 am	2.00000	0.10	
Replicates			18216.6 18238.4 18260.2 18238.8		
Standard #5 (5.0 ppb)	STD	05/21/19 11:19:11 am	5.00000	0.09	
Replicates			42768.7 42801.0 42823.5 42740.2		
Standard #6 (10.0 ppb)	STD	05/21/19 11:21:22 am	10.00000	0.35	
Replicates			87077.5 87441.8 87707.4 87749.2		

Calibration

Equation: $A = 259.500 + 8689.490C$
 R2: 0.99978
 SEE: 520.5756
 Flags:



ICV	ICV	05/21/19 11:23:34 am	1.01660	1.91
Replicates			9278.8 9180.5 9029.4 8883.4	
% Recovery			101.66	

Sample Name	Type	Date/Time	Conc (ppb)	%RSD	Flags
ICB Replicates	ICB	05/21/19 11:25:46 am	-0.02105	10.14	
			72.2	68.8	79.1
			86.4		
CRA Replicates	UNK	05/21/19 11:27:54 am	0.21396	0.69	
			2125.6	2128.7	2123.6
			2097.1		
IPC Replicates	UNK	05/21/19 11:30:04 am	2.03820	0.38	
			17894.8	17933.1	18004.2
			18048.3		
HG190520-2MB Replicates	UNK	05/21/19 11:32:12 am	-0.02516	13.42	
			40.3	45.1	44.6
			33.3		
HG190520-2LCS Replicates	UNK	05/21/19 11:34:45 am	1.04930	0.55	
			9385.4	9402.1	9420.2
			9303.4		
EX190516-4MB Replicates	UNK	05/21/19 11:36:52 am	-0.02420	7.03	
			53.9	48.1	49.3
			45.7		
1905251-2 Replicates	UNK	05/21/19 11:39:00 am	-0.02155	4.46	
			68.4	74.2	75.5
			70.7		
1905256-2 Replicates	UNK	05/21/19 11:41:09 am	-0.00187	1.43	
			245.6	239.8	240.8
			246.8		
1905132-1 Replicates	UNK	05/21/19 11:43:17 am	0.14798	0.61	
			1537.3	1537.3	1554.6
			1552.3		
1905132-2 Replicates	UNK	05/21/19 11:45:26 am	-0.00689	4.01	
			205.9	207.0	194.4
			191.1		
CCV Replicates	UNK	05/21/19 11:47:35 am	1.98930	0.10	
			17528.6	17552.8	17566.6
			17534.3		
CCB Replicates	UNK	05/21/19 11:49:47 am	-0.01836	5.72	
			104.0	105.7	95.2
			94.9		

Sample Name			Type	Date/Time	Conc (ppb)	%RSD	Flags
1905132-3			UNK	05/21/19 11:51:57 am	-0.01042	0.42	
Replicates	169.4	169.6	168.1	168.6			
1905132-4			UNK	05/21/19 11:54:06 am	-0.01829	7.83	
Replicates	111.4	100.5	92.7	97.7			
1905132-5			UNK	05/21/19 11:56:16 am	-0.02284	6.06	
Replicates	63.5	64.2	56.1	60.3			
1905132-6			UNK	05/21/19 11:58:26 am	0.05494	1.13	
Replicates	727.3	734.6	738.4	747.2			
1905132-7			UNK	05/21/19 12:00:36 pm	-0.00253	2.42	
Replicates	243.8	240.2	235.2	230.7			
1905132-8			UNK	05/21/19 12:02:43 pm	-0.01593	4.27	
Replicates	127.5	117.1	116.7	123.1			
1905132-8L 5X			UNK	05/21/19 12:04:50 pm	-0.02828	41.44	
Replicates	21.0	14.9	11.2	7.7			
1905132-8MS			UNK	05/21/19 12:06:57 pm	2.17840	0.16	
Replicates	19159.0	19205.1	19224.5	19166.1			
1905132-8MSD			UNK	05/21/19 12:09:04 pm	2.13120	0.19	
Replicates	18732.6	18779.1	18820.3	18783.1			
1905132-9			UNK	05/21/19 12:11:12 pm	-0.02323	9.70	
Replicates	65.4	57.2	52.4	55.3			
CCV			UNK	05/21/19 12:13:22 pm	2.10720	0.26	
Replicates	18510.8	18551.2	18605.3	18611.0			
CCB			UNK	05/21/19 12:15:34 pm	-0.01709	5.53	
Replicates	119.1	112.0	105.2	107.6			

Sample Name	Type	Date/Time	Conc (ppb)	%RSD	Flags
1905132-10 Replicates	UNK	05/21/19 12:17:42 pm	-0.01567	1.23	
			122.9	123.4	125.4
			121.7		
1905132-12 Replicates	UNK	05/21/19 12:19:50 pm	-0.00973	0.77	
			176.8	174.6	173.6
			174.7		
1905132-13 Replicates	UNK	05/21/19 12:21:59 pm	-0.01795	1.81	
			101.6	105.9	104.0
			102.5		
1905132-14 Replicates	UNK	05/21/19 12:24:08 pm	-0.02537	10.63	
			40.4	34.6	37.2
			44.2		
1905132-15 Replicates	UNK	05/21/19 12:26:17 pm	-0.02324	11.59	
			52.0	52.3	60.2
			65.8		
1905132-16 Replicates	UNK	05/21/19 12:28:27 pm	-0.02543	8.76	
			38.0	35.9	43.4
			36.6		
1905132-17 Replicates	UNK	05/21/19 12:30:37 pm	-0.02469	4.29	
			46.1	47.0	43.3
			43.3		
1905132-18 Replicates	UNK	05/21/19 12:32:44 pm	-0.02392	21.46	
			42.1	42.3	58.7
			63.5		
1905132-19 Replicates	UNK	05/21/19 12:34:51 pm	-0.02414	1.48	
			50.0	49.3	49.1
			50.7		
CRA Replicates	UNK	05/21/19 12:36:58 pm	0.21935	0.53	
			2170.6	2168.3	2174.3
			2148.8		
CCV Replicates	UNK	05/21/19 12:39:08 pm	1.98140	0.17	
			17438.7	17470.1	17510.4
			17486.9		
CCB Replicates	UNK	05/21/19 12:41:20 pm	-0.01834	3.12	
			104.8	97.8	98.8
			99.2		

Sample Name			Type	Date/Time	Conc (ppb)	%RSD	Flags
HG190520-1MB			UNK	05/21/19 12:43:28 pm	-0.01994	4.15	
Replicates	84.7	82.4	87.1	90.7			
HG190520-1LCS			UNK	05/21/19 12:45:36 pm	0.98149	0.26	
Replicates	8758.6	8782.5	8804.8	8806.5			
1905280-1			UNK	05/21/19 12:47:44 pm	-0.02189	4.83	
Replicates	70.5	67.2	66.1	73.5			
1905280-1L 5X			UNK	05/21/19 12:49:52 pm	-0.02672	10.08	
Replicates	31.2	27.1	25.7	25.1			
1905280-1MS			UNK	05/21/19 12:52:54 pm	1.96140	0.24	
Replicates	17247.6	17296.7	17339.5	17327.4			
1905280-1MSD			UNK	05/21/19 12:55:02 pm	1.95460	0.26	
Replicates	17183.6	17234.6	17281.3	17276.6			
19052883-1			UNK	05/21/19 12:57:10 pm	-0.01681	0.85	
Replicates	114.8	112.6	112.9	113.4			
1905288-1			UNK	05/21/19 12:59:19 pm	-0.01689	4.04	
Replicates	106.3	113.5	114.2	116.9			
1905329-1			UNK	05/21/19 01:01:28 pm	0.02453	0.84	
Replicates	467.1	473.3	473.7	476.5			
1905331-1			UNK	05/21/19 01:03:37 pm	-0.01239	1.16	
Replicates	151.5	151.5	154.3	150.1			
CCV			UNK	05/21/19 01:05:47 pm	2.11000	0.16	
Replicates	18553.7	18612.8	18617.1	18592.9			
CCB			UNK	05/21/19 01:08:00 pm	-0.01881	5.90	
Replicates	95.1	91.3	93.5	104.2			

Sample Name	Type	Date/Time	Conc (ppb)	%RSD	Flags
HG190521-1MB Replicates	UNK	05/21/19 01:10:09 pm	-0.02784	19.81	
			22.8	15.5	16.0
			16.2		
HG190521-1LCS Replicates	UNK	05/21/19 01:12:19 pm	0.99597	0.24	
			8886.0	8908.3	8928.8
			8932.8		
1905350-02MB Replicates	UNK	05/21/19 01:14:28 pm	-0.02644	20.40	
			32.5	31.1	34.5
			20.9		
1905330-1 Replicates	UNK	05/21/19 01:16:38 pm	-0.02443	6.94	
			46.7	47.6	51.2
			43.3		
1905341-2 Replicates	UNK	05/21/19 01:18:47 pm	0.58494	0.77	
			5401.8	5326.3	5307.0
			5334.4		
1905349-1 Replicates	UNK	05/21/19 01:20:57 pm	-0.03114	34.74	
			-14.3	-13.9	-10.0
			-6.1		
1905349-2 Replicates	UNK	05/21/19 01:23:06 pm	-0.02587	7.39	
			35.1	31.1	35.5
			37.2		
1905349-3 Replicates	UNK	05/21/19 01:25:16 pm	-0.02798	22.52	
			14.3	19.7	12.2
			19.2		
1905349-4 Replicates	UNK	05/21/19 01:27:25 pm	-0.02790	42.97	
			6.9	16.7	21.3
			23.3		
CCV Replicates % Recovery	CCV	05/21/19 01:29:36 pm	1.99710	0.12	
			17585.7	17610.5	17633.6
			99.86	17623.6	
CCB Replicates	CCB	05/21/19 01:31:48 pm	-0.01916	5.91	
			99.9	94.6	90.8
			87.0		
1905349-5 Replicates	UNK	05/21/19 01:33:57 pm	-0.02695	27.76	
			26.1	30.2	29.7
			15.1		

Sample Name	Type	Date/Time	Conc (ppb)	%RSD	Flags
1905350-1	UNK	05/21/19 01:36:07 pm	-0.02785	34.50	
Replicates		8.6 20.0 22.1 19.3			
1905352-1	UNK	05/21/19 01:38:17 pm	-0.01691	6.10	
Replicates		107.9 118.4 118.5 105.4			
1905352-2	UNK	05/21/19 01:40:27 pm	-0.02014	5.39	
Replicates		80.3 87.0 81.0 89.6			
1905352-3	UNK	05/21/19 01:42:36 pm	-0.01117	3.20	
Replicates		154.8 163.7 164.9 166.2			
1905352-4	UNK	05/21/19 01:44:46 pm	-0.00879	0.45	
Replicates		182.9 182.1 184.0 183.5			
1905352-5	UNK	05/21/19 01:46:56 pm	-0.01194	1.88	
Replicates		160.0 154.5 153.5 155.0			
1905353-1	UNK	05/21/19 01:49:06 pm	-0.02794	17.64	
Replicates		12.9 15.9 19.4 18.6			
1905353-1L 5X	UNK	05/21/19 01:51:16 pm	-0.03035	98.04	
Replicates		-8.7 1.1 -3.6 -5.6			
CCV	CCV	05/21/19 01:53:26 pm	1.99920	0.15	
Replicates		17597.5 17623.4 17655.6 17648.3			
% Recovery		99.96			
CCB	CCB	05/21/19 01:55:37 pm	-0.01744	3.38	
Replicates		105.1 104.9 109.5 112.4			
1905353-1MS	UNK	05/21/19 01:57:47 pm	1.96240	0.27	
Replicates		17256.3 17290.9 17343.4 17357.8			
1905353-1MSD	UNK	05/21/19 01:59:57 pm	1.98690	0.31	
Replicates		17453.0 17512.2 17562.1 17571.6			

Sample Name				Type	Date/Time	Conc (ppb)	%RSD	Flags
1905353-2				UNK	05/21/19 02:02:07 pm	-0.02816	17.44	
Replicates	13.8	11.9	17.9	15.8				
1905353-3				UNK	05/21/19 02:04:16 pm	-0.02794	18.90	
Replicates	21.3	15.8	14.2	15.5				
1905353-4				UNK	05/21/19 02:06:26 pm	-0.02823	26.41	
Replicates	14.9	18.5	14.0	9.4				
1905353-5				UNK	05/21/19 02:08:36 pm	-0.02688	21.08	
Replicates	33.5	22.0	21.9	26.1				
1905362-1				UNK	05/21/19 02:10:46 pm	-0.02617	14.07	
Replicates	36.2	33.1	25.7	33.5				
1905363-1				UNK	05/21/19 02:12:56 pm	-0.02031	7.55	
Replicates	85.3	87.9	85.1	73.8				
CRA				UNK	05/21/19 02:15:51 pm	0.21207	0.19	
Replicates	2097.8	2103.2	2107.5	2100.6				
CCV				CCV	05/21/19 02:18:01 pm	2.01340	0.21	
Replicates	17704.2	17753.8	17791.2	17769.7				
% Recovery	100.67							
CCB				CCB	05/21/19 02:20:12 pm	-0.01864	0.69	
Replicates	96.7	97.9	98.2	97.3				
HG190521-2MB				UNK	05/21/19 02:22:22 pm	-0.02810	15.51	
Replicates	15.1	18.0	16.1	12.2				
HG190521-2LCS				UNK	05/21/19 02:24:31 pm	1.05750	0.11	
Replicates	9434.9	9447.5	9460.9	9452.0				
FP190521-1MB				UNK	05/21/19 02:26:41 pm	-0.02800	27.48	
Replicates	20.4	19.4	14.1	11.0				

Sample Name				Type	Date/Time	Conc (ppb)	%RSD	Flags
1905255-1				UNK	05/21/19 02:28:51 pm	-0.02455	7.97	
Replicates	42.9	49.2	49.5	43.0				
1905255-1L 5X				UNK	05/21/19 02:31:00 pm	-0.02916	75.76	
Replicates	11.4	0.5	7.8	4.7				
1905255-1MS				UNK	05/21/19 02:33:10 pm	2.09250	0.78	
Replicates	18286.2	18368.6	18504.7	18610.5				
1905255-1MSD				UNK	05/21/19 02:35:19 pm	1.99480	0.32	
Replicates	17523.0	17573.1	17630.2	17647.0				
1905255-2				UNK	05/21/19 02:37:29 pm	0.03222	0.38	
Replicates	540.7	537.1	538.5	541.6				
CCV				CCV	05/21/19 02:39:39 pm	2.01480	0.15	
Replicates	17730.1	17767.2	17792.1	17778.2				
% Recovery	100.74							
CCB				CCB	05/21/19 02:41:51 pm	-0.01720	4.66	
Replicates	113.2	112.9	111.5	102.4				
1905255-2L 5X				UNK	05/21/19 02:44:00 pm	-0.01722	2.18	
Replicates	113.1	110.2	107.7	108.5				
1905255-2MS				UNK	05/21/19 02:46:10 pm	2.14670	0.12	
Replicates	18880.4	18913.0	18934.7	18924.0				
1905255-2MSD				UNK	05/21/19 02:48:19 pm	2.12250	0.44	
Replicates	18615.7	18653.9	18746.0	18796.2				
1905255-3				UNK	05/21/19 02:50:29 pm	-0.02083	4.40	
Replicates	82.2	79.8	74.0	77.9				
1905255-4				UNK	05/21/19 02:52:39 pm	-0.02546	5.03	
Replicates	38.3	35.7	38.6	40.3				

Sample Name				Type	Date/Time	Conc (ppb)	%RSD	Flags
1905255-5				UNK	05/21/19 02:54:49 pm	-0.02519	10.59	
Replicates	37.7	36.5	42.6	45.7				
1905255-6				UNK	05/21/19 02:56:59 pm	-0.02794	21.71	
Replicates	19.0	16.4	19.7	11.7				
1905337-1				UNK	05/21/19 02:59:08 pm	-0.02705	6.90	
Replicates	24.7	24.5	22.3	26.4				
CCV				CCV	05/21/19 03:01:18 pm	2.14610	0.16	
Replicates	18868.1	18907.4	18939.1	18918.3				
% Recovery	107.31							
CCB				CCB	05/21/19 03:03:29 pm	-0.01834	2.31	
Replicates	101.7	102.1	97.0	99.8				
1905338-1				UNK	05/21/19 03:05:39 pm	-0.02188	0.77	
Replicates	69.2	68.7	70.0	69.5				
1905339-1				UNK	05/21/19 03:07:49 pm	-0.00326	2.66	
Replicates	224.2	227.8	237.1	235.5				
1905342-1				UNK	05/21/19 03:09:59 pm	-0.02559	7.76	
Replicates	37.7	40.6	36.7	33.6				
1905355-1				UNK	05/21/19 03:12:09 pm	-0.02759	19.28	
Replicates	21.3	18.8	15.0	24.0				
1905356-1				UNK	05/21/19 03:14:18 pm	-0.00642	2.82	
Replicates	195.6	206.3	208.9	204.0				
1905357-1				UNK	05/21/19 03:16:28 pm	0.00251	1.70	
Replicates	280.5	277.1	279.4	288.1				
1905361-1				UNK	05/21/19 03:18:38 pm	0.95338	1.39	
Replicates	8392.5	8513.0	8607.7	8662.5				

Sample Name				Type	Date/Time	Conc (ppb)	%RSD	Flags
CRA				UNK	05/21/19 03:23:06 pm	0.20722	0.16	
Replicates	2063.5	2062.3	2058.2	2056.7				
CCV				CCV	05/21/19 03:25:15 pm	2.06500	0.14	
Replicates	18166.1	18208.6	18223.7	18213.8				
% Recovery	103.25							
CCB				CCB	05/21/19 03:27:27 pm	-0.02064	7.90	
Replicates	72.1	78.2	84.7	85.7				



34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 , DoD ELAP: A2LA 0818.01

State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

May 30, 2019

Work Order: 3032275
SDG: AER329

Ms. Janice Jaeger
ALS Environmental-Rochester NY
1565 Jefferson Road, Bldg. 300
Suite 360
Rochester, NY 14623

Laboratory Results for: EQUIS EDD, QC, NO MDL

Dear Ms. Janice Jaeger:

Enclosed are the analytical results for samples received by the laboratory starting on May 08, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP. Analyses were performed according to our laboratory’s NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads. This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental. Any events, such as QC failures, are explained in the report narrative.

If you have any questions regarding this certificate of analysis, please contact Ms. Jennifer M Stanhope Lamoreux (Reporting Manager) at (717) 944-5541. You may also contact me via email at jennifer.lamoreux@ALSglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Jennifer M Stanhope Lamoreux
Reporting Manager

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Chain of Custody Records

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

Project Number: R1903955
 Project Manager: Brady Kalkman
 QAP: LAB QAP

ALS Contact: Brady Kalkman



Lab Code	Sample ID	# of Cont.	Matrix	Sample Time		Lab ID	Sulfide React	Flash	1010A Modified	9034 Modified
				Date	Time					
R1903955-2014	IDW-1	1	Soil	4/30/19	1515	Middletown ALS	X	X	X	X

Both Tier I and Tier II needed

Special Instructions/Comments	Turnaround Requirements <input type="checkbox"/> RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 05/17/19	Report Requirements <input type="checkbox"/> I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input checked="" type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/1 N EDD <i>MSDL Eq's v4</i>	Invoice Information PO# 58R1903955 Bill to _____

Received By: *[Signature]* 5/16/19
 COMMON COURIER ALS COURIER
 Received By: COMMON COURIER ALS COURIER
 Airbill Number: _____
Courtney Lynch ALS 5:19 5.0c 401

R1903955

X
Ship To: Middletown ALS
ALS Environmental - Middletown
301 Fulfilling Mill Rd.
Middletown, PA 17057

PC _____ Date _____
SMO _____ Date _____

Instructions: _____
Ice _____
Dry Ice _____
No Ice _____
Shipping: _____
Overnight _____
2nd Day _____
Ground _____
Bill to Client Account _____

Comments:

[Empty rectangular box for comments]

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www.alsglobal.com
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ALS Environmental

PURCHASE ORDER

FOR SUBCONTRACTED ANALYSES

Service Request: R1903955

Date: 5/3/2019

Contact: Brady Kalkman

Email: Brady.Kalkman@alsglobal.com

Company: ALS Environmental - Middletown

Address: 301 Fulling Mill Rd.

Middletown PA, 17057

Phone: 717-944-5541

Bill To: ALS Environmental

1565 Jefferson Rd, Building 300, Suite 360

Rochester NY, 14623

Phone: 585-288-5380

Ship To: ALS Environmental

1565 Jefferson Rd, Building 300, Suite 360

Rochester NY, 14623

Phone: 585-288-5380

Item/Description	Quantity	Unit Price
1010A Modified/Flash	1	19.00
9014/CN React	1	39.00
9034 Modified/Sulfide React	1	0.00

4.25

29.25

Comments:

ALS Group USA, Corp.
www.alsglobal.com
An ALS Limited Company



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-5541

F: (717) 944-1430

Condition of Sample Receipt Form

Client: ALS Rochester Work Order #: _____ Initials: CS Date: 5-7-19

- | | | | |
|--|---------------------------------------|--------------------------------------|-------------------------------------|
| 1. Were airbills / tracking numbers present and recorded?..... | NONE | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| Tracking number: <u>4846 1680 5492</u> | | | |
| 2. Are Custody Seals on shipping containers intact?..... | NONE | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 3. Are Custody Seals on sample containers intact?..... | <input checked="" type="radio"/> NONE | <input type="radio"/> YES | <input type="radio"/> NO |
| 4. Is there a COC (Chain-of-Custody) present?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 5. Are the COC and bottle labels complete, legible and in agreement?..... | | <input type="radio"/> YES | <input type="radio"/> NO |
| 5a. Does the COC contain sample locations?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 5b. Does the COC contain date and time of sample collection for all samples?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 5c. Does the COC contain sample collectors name?..... | | <input type="radio"/> YES | <input checked="" type="radio"/> NO |
| 5d. Does the COC note the type(s) of preservation for all bottles?..... | | <input checked="" type="radio"/> YES | <input checked="" type="radio"/> NO |
| 5e. Does the COC note the number of bottles submitted for each sample?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 5f. Does the COC note the type of sample, composite or grab?..... | | <input type="radio"/> YES | <input checked="" type="radio"/> NO |
| 5g. Does the COC note the matrix of the sample(s)?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 6. Are all aqueous samples requiring preservation preserved correctly?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 8. Are all samples within holding times for the requested analyses?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 11. Were the samples received on ice?..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 12. Were sample temperatures measured at 0.0-6.0°C..... | | <input checked="" type="radio"/> YES | <input type="radio"/> NO |
| 13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... | | <input type="radio"/> YES | <input checked="" type="radio"/> NO |
| 13a. Are the samples required for SDWA compliance reporting?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 13b. Did the client provide a SDWA PWS ID#?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 13d. Did the client provide the SDWA sample location ID/Description?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |
| 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... | <input checked="" type="radio"/> N/A | <input type="radio"/> YES | <input type="radio"/> NO |

Cooler #: _____

Temperature (°C): 5.0

Thermometer ID: 401

COMMENTS (Required for all NO responses above and any sample non-conformance):
Sampled by client
preservation, comp/grab not noted.

Certificate of Analysis

May 16, 2019

Ms. Janice Jaeger
ALS Environmental-Rochester NY
1565 Jefferson Road, Bldg. 300
Suite 360
Rochester, NY 14623

Certificate of Analysis

Project Name:	AER329 R1903955	Workorder:	3032275
Purchase Order:	58R1903955	Workorder ID:	AER329 R1903955

Dear Ms. Jaeger:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, May 8, 2019.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Sarah S Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Brady Kalkman , Reports and Invoices

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Sarah S Leung
Project Coordinator

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SAMPLE SUMMARY

Workorder: 3032275 AER329|R1903955

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3032275001	IDW-1	Solid	4/30/2019 15:15	5/8/2019 14:40	Collected by Client

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SAMPLE SUMMARY

Workorder: 3032275 AER329|R1903955

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 3032275 AER329|R1903955

Lab ID: **3032275001**

Date Collected: 4/30/2019 15:15

Matrix: Solid

Sample ID: **IDW-1**

Date Received: 5/8/2019 14:40

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Cyanide, Reactive	ND		ppm	10	SW-846 7.3CN	5/15/19 14:45	VXF	5/16/19 11:27	JXB	A
Ignitability	Not Ignitable	1			SW846 1030			5/14/19 15:00	DXC	A
Sulfide, Reactive	ND		ppm	6.2	SW846 7.3	5/15/19 14:45	VXF	5/15/19 22:08	VXF	A



Ms. Sarah S Leung
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3032275 AER329|R1903955

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3032275001	1	IDW-1	SW846 1030	Ignitability

According to Pa/USEPA regulations, this sample is not considered to be ignitable. (Ref 40 CFR 261.21)

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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3032275 AER329|R1903955

Lab ID	Sample ID	Analysis Method	Prep Method
3032275001	IDW-1	SW-846 7.3CN	SW-846 7.3CN
3032275001	IDW-1	SW846 1030	
3032275001	IDW-1	SW846 7.3	SW846 7.3

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Case Narrative

**ALS-Middletown
Analytical Narrative
ALS-Rochester
AER-329**

Sample Management

This report contains the results of the analysis of one (1) solid sample collected on April 30, 2019. Analytical results and quality control information are summarized in this data package.

Sample Receipt

The sample arrived at ALS - Middletown via courier on May 8, 2019. Upon receipt, the sample was inspected and compared to the Chain of Custody. Sample temperature was documented on the enclosed Chain of Custody. The sample was received intact and properly preserved, unless noted on the enclosed Certificate of Analysis and/or Chain of Custody.

Reactive Sulfide by SW 846 Method 7.3

Sample handling. One (1) solid sample was analyzed for reactive sulfide by SW 846 Method 7.3. The sample was not digested and analyzed within the 7-day holding time established for the method.

Calibration. Initial and continuing calibration standards were analyzed and recovered within the acceptable limits of 90-110%.

Blanks. A preparation blank identified as 2945817 was digested and analyzed with the sample. Reactive sulfide was not detected above the reporting limit in the preparation blank. Initial and continuing blanks were analyzed in the run. Sulfide was not detected above the reporting limit in the blanks.

Laboratory Control Sample. A laboratory control sample identified as 2945818 was digested and analyzed with the samples. The recovery was within the QC limits of 49-148%.

Duplicate. A duplicate analysis was not performed on any samples from this data deliverable.

Ignitability by SW-846 1030

Sample handling. One (1) solid sample was analyzed for ignitability by SW-846 Method 1030. The sample was analyzed within the 14-day hold time established for the method.

Duplicate. A duplicate analysis was not performed on any samples from this data deliverable.

Reactive Cyanide by SW-846 Method 7.3CN

Sample handling. One (1) solid sample was analyzed for reactive cyanide by SW-846 Method 7.3CN. The sample was not distilled and analyzed within the 14-day holding time established for the method.

Calibration. An initial six-point calibration was properly established, and continuing calibration standards were analyzed to verify the calibration. The recoveries were within the QC limits of 90-110%.

Blanks. A preparation blank identified as 2945814 was distilled and analyzed with the sample. Reactive cyanide was not detected above the reporting limit of 10 ppm in the blank. Initial and continuing calibration blanks were analyzed within the analysis. Total cyanide was not detected above the reporting limit of 0.005 mg/L in the calibration blanks.

Laboratory Control Sample. A laboratory control sample identified as 2945815 was distilled and analyzed with the sample. The recovery was within the QC limits of 0-90%.

Duplicate. A duplicate analysis was not performed on any samples from this data deliverable.

Reactive Sulfide Summary Forms

Reactive Sulfide Raw Data

Sulfide

Queue: <u>WETC</u>	Titration: _____	1st Review By/Date: _____
Rule: <u>SO2R</u>	Date: <u>05/15/19</u>	2nd Review By/Date: _____
Batch: <u>221750</u>	Time: <u>22:08</u>	Approved By/Date: _____
HBN: <u>513545</u>	Tech: <u>VXF</u>	
SOP ID: 04-S		

Sodium Thiosulfate									
Sample ID	Filtered (Y/N)	Type	Sample Volume (mL)	Initial Titrant (mL)	Final Titrant (mL)	Total Titrant Used (mL)	Iodine Added (mL)	Sulfide (mg/L)	Percent Recovery
2946102	NA	ICB	250	0.00	4.99	4.99	5	0.02	
2946103	NA	ICV	50	0.00	2.16	2.16	5	22.72	90.88
2945817	NA		50	4.99	9.88	4.89	5	0.88	
2945818	NA	RS	50	2.16	8.10	5.94	15	72.48	63.57895
3032275001	NA		50	0.00	4.87	4.87	5	1.04	
3032681001	NA		50	4.87	9.75	4.88	5	0.96	
3032715002	NA		50	0.00	4.88	4.88	5	0.96	
3032716002	NA		50	4.88	9.68	4.80	5	1.60	
3032863001	NA		50	0.00	4.92	4.92	5	0.64	
3033119001	NA		50	4.92	9.83	4.91	5	0.72	
3033220001	NA		50	0.00	4.96	4.96	5	0.32	
3033220002	NA		50	4.98	9.78	4.80	5	1.60	
2946104	NA	CCB	250	0.00	4.80	4.80	5	0.32	
2946105	NA	CCV	50	7.13	9.20	2.07	5	23.44	93.76
3033752001	NA		50	0.00	4.92	4.92	5	0.64	
3033752002	NA		50	4.92	9.90	4.98	5	0.16	
3033753001	NA		50	0.01	4.86	4.85	5	1.20	
3033754001	NA		50	4.86	9.76	4.90	5	0.80	
3033755001	NA		50	0.00	4.90	4.90	5	0.80	
3033756001	NA		50	4.90	9.72	4.82	5	1.44	
3033757001	NA		50	0.00	4.78	4.78	5	1.76	
DUP 2945819	NA		50	4.78	9.60	4.82	5	1.44	
3033863001	NA		50	0.00	4.75	4.75	5	2.00	
3033935001	NA		50	4.75	9.60	4.85	5	1.20	
2946106	NA	CCB	250	0.00	4.96	4.96	5	0.06	
2946107	NA	CCV	40	4.96	7.66	2.70	5	23.00	92

Standard/Reagent	Normality	Reagent/Standard Number
Sodium Thiosulfate Solution	0.025	190415008
Iodine Solution	0.025	190212014
Starch Indicator		190201001
6N (1:1) Hydrochloric Acid		WR190424012
25 mg/L CCV		WS190514050

Pipettes
CLASS A

Matrix Spike Solution
NA

Comments:

_Q:WETC|_B:221750|_D:01/00/00

REACTIVITY PREPARATION

Method: Ch. 7.3.3.2/7.3.4.2	Rule: CNRDIST	Reagents/Standards:	ID#:	Reviewed By:
SOP: 09-R	Batch: 47298	0.01 N H2SO4:	WR190512002*	
Queue: WCPR	HBN: 513475	0.25 N NaOH:	WR190512003*	
Date: 05/15/19	Rule: SO2RDIST	CN Spike:	WS190515045	Reviewed Date:
Time: 14:45	Batch: 47299	SO2 Spike:	WS190515046	
Tech: VXF	HBN: 512476	Sand Lot#:	190121001	
		Pipettor ID#:	CLASS A	
		Balance ID#:	BAL-25	

Line#	Sample #	Sample Amount (mL or g)	Spike Amount (mL)	Final Volume (mL)	Time On:	Time Off:	Comments
1.)	2945814/2945817	20.03	0	100	17:33	18:05	MB
2.)	2945815	10.03	10	50	17:33	18:05	CN LCS
3.)	2945818	10	10	50	17:33	18:05	SO2 LCS
4.)	3032275001	20.03	0	100	17:33	18:05	
5.)	3032681001	10.02	0	50	17:33	18:05	SO2 ONLY
6.)	3032715002	20.06	0	100	17:33	18:05	
7.)	3032716002	20.07	0	100	18:21	18:56	
8.)	3032863001	20.01	0	100	18:21	18:56	
9.)	3033119001	20.03	0	100	18:21	18:56	
10.)	3033220001	20.03	0	100	18:21	18:56	
11.)	3033220002	20	0	100	18:21	18:56	
12.)	3033540001	10	0	50	18:21	18:56	CN ONLY
13.)	3033544001	10.03	0	50	19:17	19:47	CN ONLY
14.)	3033752001	20.06	0	100	19:17	19:47	
15.)	3033752002	20.02	0	100	19:17	19:47	
16.)	3033753001	20	0	100	19:17	19:47	
17.)	3033754001	20.02	0	100	19:17	19:47	
18.)	3033755001	20.01	0	100	19:17	19:47	
19.)	3033756001	20.05	0	100	20:02	20:35	
20.)	3033757001	20.03	0	100	20:02	20:35	
21.)	2945816/2945819	20.04	0	100	20:02	20:35	3033757001
22.)	3033862001	10.06	0	50	20:02	20:35	CN ONLY
23.)	3033863001	20.07	0	100	20:02	20:35	
24.)	3033935001	20.03	0	100	20:02	20:35	

Comments:

*MORE 0.01 N H2SO4 WR190515014 AND 0.25 N NaOH WR190515015 WERE USED

_Q:WCPR|_B:47298|_D:05/15/19

Reactive Cyanide Summary Forms

Reactive Cyanide Raw Data

	SOP	Horizon Batch Number
Analytical	04-CN	221799
Prep	09-CN DIS/09-CN Amen Pre Trt, 09-R (Reactivity)	

Data Reviewer	<i>[Signature]</i>
Date	5/17/19 1609

DoD samples included in batch (Y/N)	N
SDWA samples included in batch (Y/N)	N

Data Review	Criteria	Meets Method Criteria Y/N	Meets DoD Criteria (Y/N) (if applicable)	If no, steps taken to address failure
Batch QC Review				
Prep Batch MB	<0.005 mg/L, CNR < 0.05mg/kg	Y		
Prep Batch LCS	0.125 mg/L (90-110%), CNR: 0.4 mg/L (0-90%)	N		47291, 47301 - RP or Q
Analytical Batch Calibration	0.995	Y		
Analytical Batch MB/ICB/CCB	<0.005 mg/L	Y		
Analytical Batch LCS/ICV/CCV	0.05 or 0.2 (90-110%)	Y		
Batch Sample Review				
Integration Quality Checked		Y		
Sample MS	0.1 (90-110%), CNR: none	Y		
Sample MSD/Duplicate	10%, CNR: <20%	Y		
Sample Holding Time	14 days, CNR: 28 days	Y		
Sample Correlational Relationships		Y		
Sample Historical Relationships		Y		

Data Posting (Hand/Autopost)	Autopost
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Hand entries checked for

Result posted correctly	Y
Date/Time Posted correctly	Y
Analyst Initials Posted Correctly	Y
Manual Calculations	Y
Correct Qualifiers	Y

General Data Comments:

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Cyanide Analysis Checklist

Instrument:	BRAN+LUEBEE
Analyst:	JXB 05/16/19
1st Review/Enter:	JXB 05/16/19
2nd Review:	
Approval:	SC

Standards / Reagents	
0.25N NaOH	WR190516007
Pyridine/Barbituric Acid	WR190513002
Buffer	WR190515012
Chloramine-T	WR190515012
0.25 Std	WS190509015
0.10 Std	WS190509016
0.05 Std	WS190509017
0.025 Std	WS190509018
0.010 Std	WS190509019
0.005 Std	WS190509020
0.050 QC	WS190509023
0.200 QC	WS190509022

Batch Numbers	
Waters:	
Soils:	47291, 47301
Weaks:	
Reactivities:	47298

Pipettes: 2010-001/04-075/2010-003

Daily Maintenance Performed: _____

SOP ID: 04-CN / 04-CN-FLOW

Entry / Approval	Initials & Date 1st Rev / 2nd Rev
All QC Criteria was calculated and checked	
Blanks less than 0.005	JXB 05/16/19
QC's w/in 10%	JXB 05/16/19
LCS's w/in 10%	JXB 05/16/19
RPD's less than 10%	JXB 05/16/19
MS/MSD's w/in 10%	JXB 05/16/19
All samples run within hold time. If not the appropriate comment was placed on the sample.	SC
All samples comply with sample identification/ correlated data/ historical data.	SC
Chromatogram checked for correct peak integration.	JXB 05/16/19

Reruns: List sample ID and dilution (if applicable)	
SEE COMMENT	

Comments:
 BATCHES 47291, 47301 HAD FAILING LCS'S, BUT WERE QUALIFIED

SEAL Analytical

ALS Environmental

General

Name of Run	221799.RUN	Name of Analysis	Cn.ANL
Date of Report	5/16/2019	System	AA3
Run Start	5/16/2019 11:27:54 AM	Run Stop	1:41:03 PM
Operator Run/Rec.	JXB	Software Version	AACE 7.10
Comment	WETC		
	WETC		

Parameters

Channel	2
Method	Method 2
Unit	mg/L
Calib. Fit	Linear
Corr.Coeff.(r)	0.9997 ✓
AUFS/Gain	0.33/30
Offset	-17799
Sensitivity	0.2609
Sample Limit 1	-
Sample Limit 2	-

Results

Pk	Cup	Type	Sample ID	Value	Value	Value	Value	Value
0	0	B	Initial Base	-0.002				
1	1	P	Primer	0.249				
2	2	D	Drift	0.250				
3	3	C	CP1	-0.248				
4	4	C	CP2	0.104				
5	5	C	CP3	0.051				
6	6	C	CP4	0.026				
7	7	C	CP5	0.009				
8	8	C	CP6	0.004				
9	9	C	CP7	-0.002				
10	10	D	Drift	0.250				
11	11	S	RINSE	-0.002				
12	12	QC1	03~2946642~1	-0.002	>			
13	13	QC2	03~2946643~1	0.051	102%			
14	14	S	03~2945814~1	-0.002	✓			
15	15	S	00~2945604~1	-0.002	✓			
16	16	S	00~2945825~1	-0.002	✓			
17	17	S	CLARE LCS	0.129				
18	18	S	03~2945815~5	0.012	✓			
19	19	S	00~2945605~1	0.091	72.8%			
20	20	S	00~2945826~1	0.025	20.0%			
21	21	S	RINSE	-0.002				
22	22	S	03~3032275001~1	-0.002				
23	23	S	03~3032715002~1	-0.002				
24	24	S	03~3032716002~1	-0.002				
25	25	S	RINSE	-0.002				
26	26	QC1	03~2946644~1	-0.003	>			
27	27	QC3	03~2946645~1	0.208	104%			
28	28	S	RINSE	-0.002				
29	29	S	03~3032863001~1	-0.002				
30	30	S	03~3033119001~1	-0.002				
31	31	S	03~3033220001~1	-0.002				
32	32	S	03~3033220002~1	-0.002				
33	33	S	03~3033354001~1	-0.002				
34	34	S	03~3033544001~1	-0.002				
35	35	S	03~3033752001~1	-0.002				
36	36	S	03~3033752002~1	-0.002				
37	37	S	03~3033753001~1	-0.002				
38	38	S	03~3033754001~1	-0.002				
39	39	S	RINSE	-0.003				
40	40	QC1	03~2946646~1	-0.002	>			
41	41	QC1	03~2946647~1	0.050	100%			
42	42	S	03~3033755001~1	-0.003				
43	43	S	03~3033756001~1	-0.002				
44	44	S	03~3033757001~1	-0.002				
45	45	S	03~3033862001~1	-0.002				
46	46	S	03~3033863001~1	-0.002				
47	47	S	03~3033935001~1	-0.002				
48	48	S	00~3033434008~1	-0.002				

49	49	S	00-2945606-1	0.101	101%
50	50	S	00-2945607-1	0.098	98%
51	51	S	RINSE	-0.002	
52	52	S	00-3033434009~1	-0.001	
53	53	S	RINSE	-0.003	
54	54	QC1	03-2946648-1	-0.003	>
55	55	QC1	03-2946649-1	0.209	105%
56	56	S	RINSE	-0.002	
57	57	S	00-3033434010~1	-0.002	
58	58	S	00-3033434011~1	-0.002	
59	59	S	00-3033434012~1	-0.002	
60	60	S	00-3033434013~1	-0.002	
61	61	S	00-3033435001~1	-0.001	
62	62	S	00-3033435002~1	-0.002	
63	63	S	00-3033435003~1	-0.001	
64	64	S	00-3033435004~1	0.001	
65	65	S	00-3033750001~1	0.000	
66	66	S	00-2945608-1	0.104	104%
67	67	S	RINSE	-0.002	
68	68	QC1	03-2946650-1	-0.002	>
69	69	QC1	03-2946651-1	0.051	102%
70	70	S	00-3033750002~1	0.002	
71	71	S	00-3033750003~1	0.018	
72	72	S	00-3033246001~1	0.000	MS COMMENT
73	73	S	00-2945827-1	0.113	113%
74	74	S	00-2945828-1	0.120	120%
75	75	S	RINSE	-0.002	
76	76	S	00-3033353001~1	0.011	
77	77	S	00-3033355001~1	0.009	
78	78	S	00-3033360001~1	0.003	
79	79	S	00-3033360002~1	0.006	
80	80	S	00-3033434001~1	-0.002	
81	81	S	RINSE	-0.002	
82	82	QC1	03-2946652-1	-0.002	>
83	83	QC1	03-2946653-1	0.208	104%
84	84	S	RINSE	-0.002	
85	85	S	00-3033434002~1	-0.001	
86	86	S	00-3033434003~1	-0.002	
87	87	S	00-3033434004~1	-0.002	
88	88	S	00-3033434005~1	-0.001	MS COMMENT
89	89	S	00-2945829-1	0.111	111%
90	90	S	RINSE	-0.002	
91	91	S	00-3033434006~1	-0.002	
92	92	S	00-3033434007~1	-0.002	
93	93	S	03-2945816-1	-0.002	✓
94	94	S	LCS 2946362	0.094	
95	95	S	LCS 2945610	0.098	
96	96	S	RINSE	-0.002	
97	97	QC1	03-2946654-1	-0.002	>
98	98	QC1	03-2946655-1	0.050	100%
99	1	D	DRIFT	0.250	
100	0	B	Final Base	-0.002	

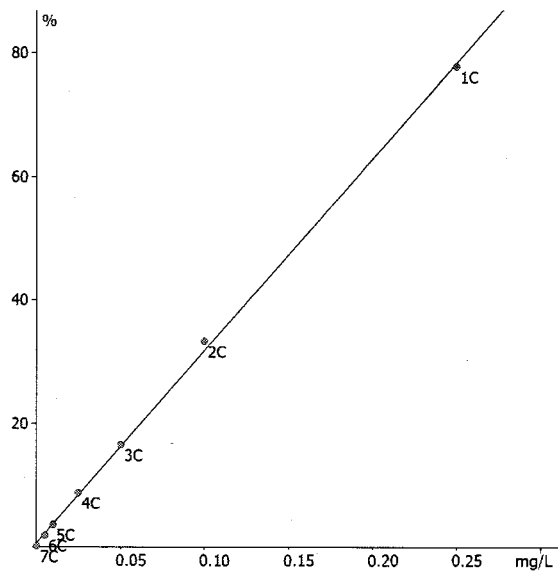
Corrections	
Channel	2
Baseline	done
Drift	done
Carryover	none
%	0.00

Calibration

Channel 2 Method 2

Type	Observed	Calculated	Target	% Error
1C	54301	0.248	0.250	-0.81
2C	25047	0.104	0.100	4.37
3C	14109	0.051	0.050	1.36
4C	9038	0.026	0.025	3.15
5C	5691	0.009	0.010	-6.41
6C	4554	0.004	0.005	-24.45
7C	3389	-0.002	0.000	-

Calibration Fit: Linear
Correlation Coefficient: 0.9997
Carryover (%): 0.0000
Calibration Equation: $y = bx + a$
y =: Concentration Unit mg/L
x =: Peak Height Digit. Units
a =: -1.857642E-002
b =: 4.908636E-006



Legend

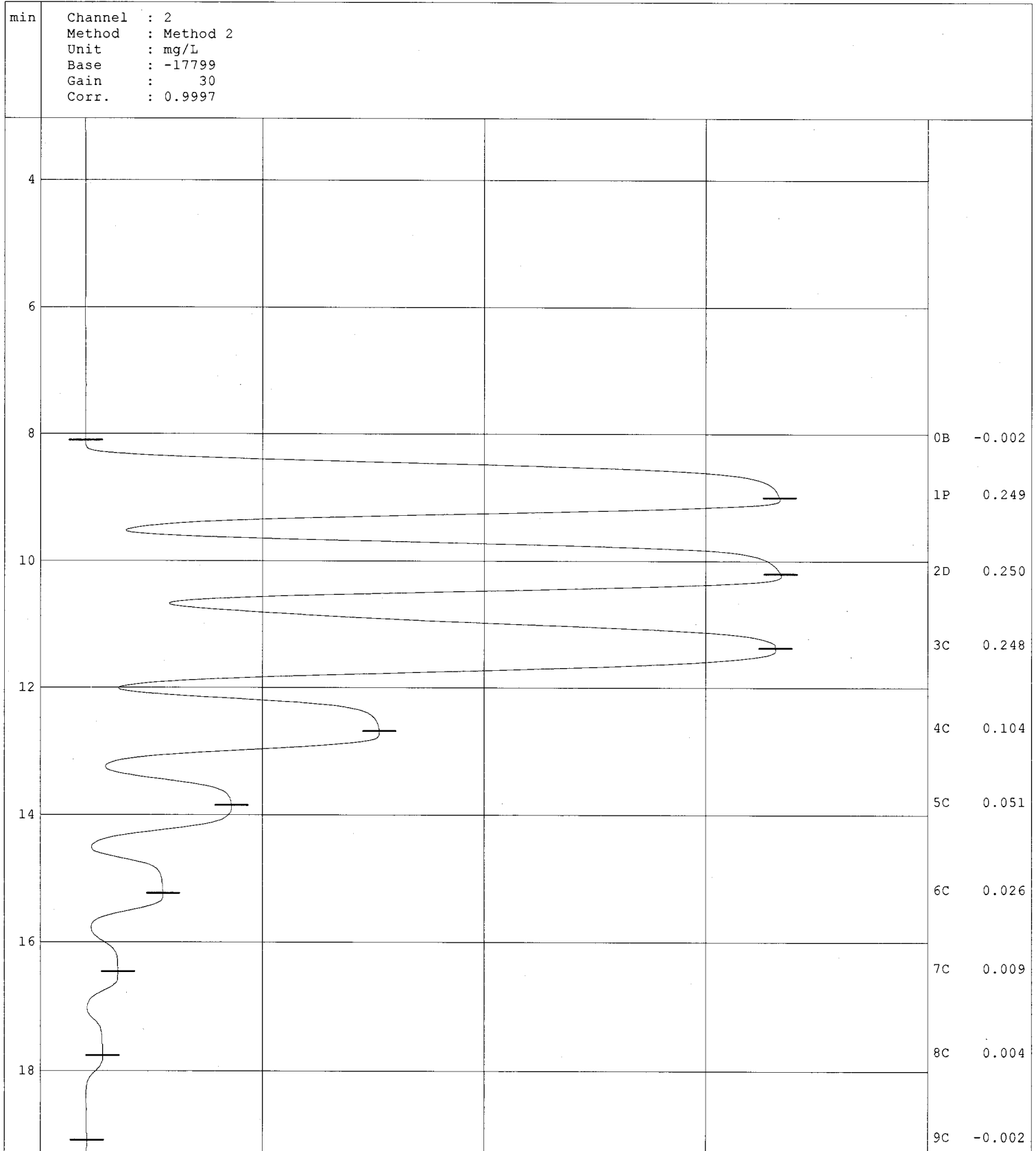
* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
d ... Pre-Diluted sample
D ... Post-Diluted sample
H ... Dual calibration used
Z ... Report negative values as zero

SEAL Analytical

ALS Environmental

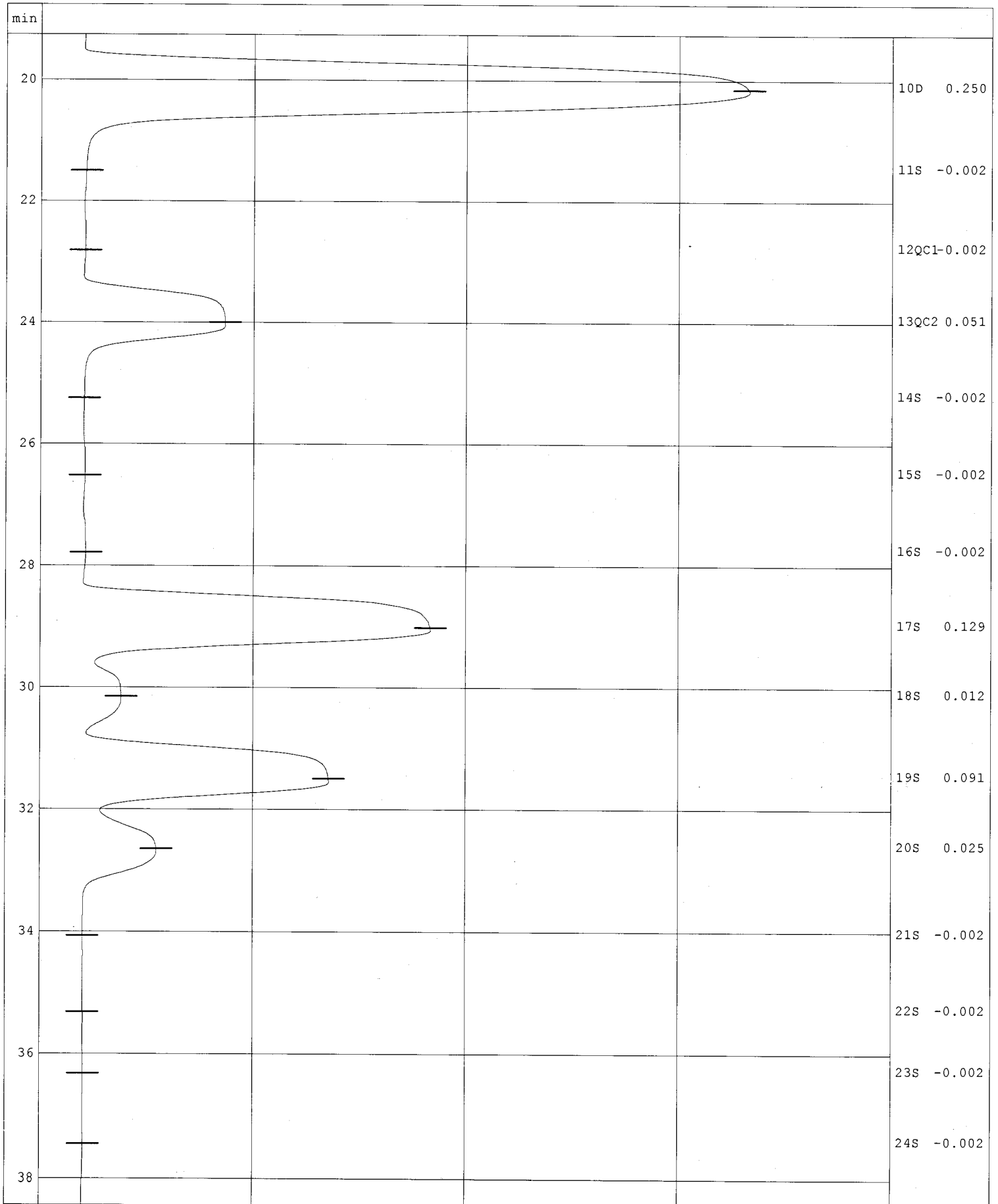
Name of run :221799.RUN
 Date of run :5/16/2019
 Comment :WETC

Name of analysis :Cn.ANL
 Date of report :5/16/2019



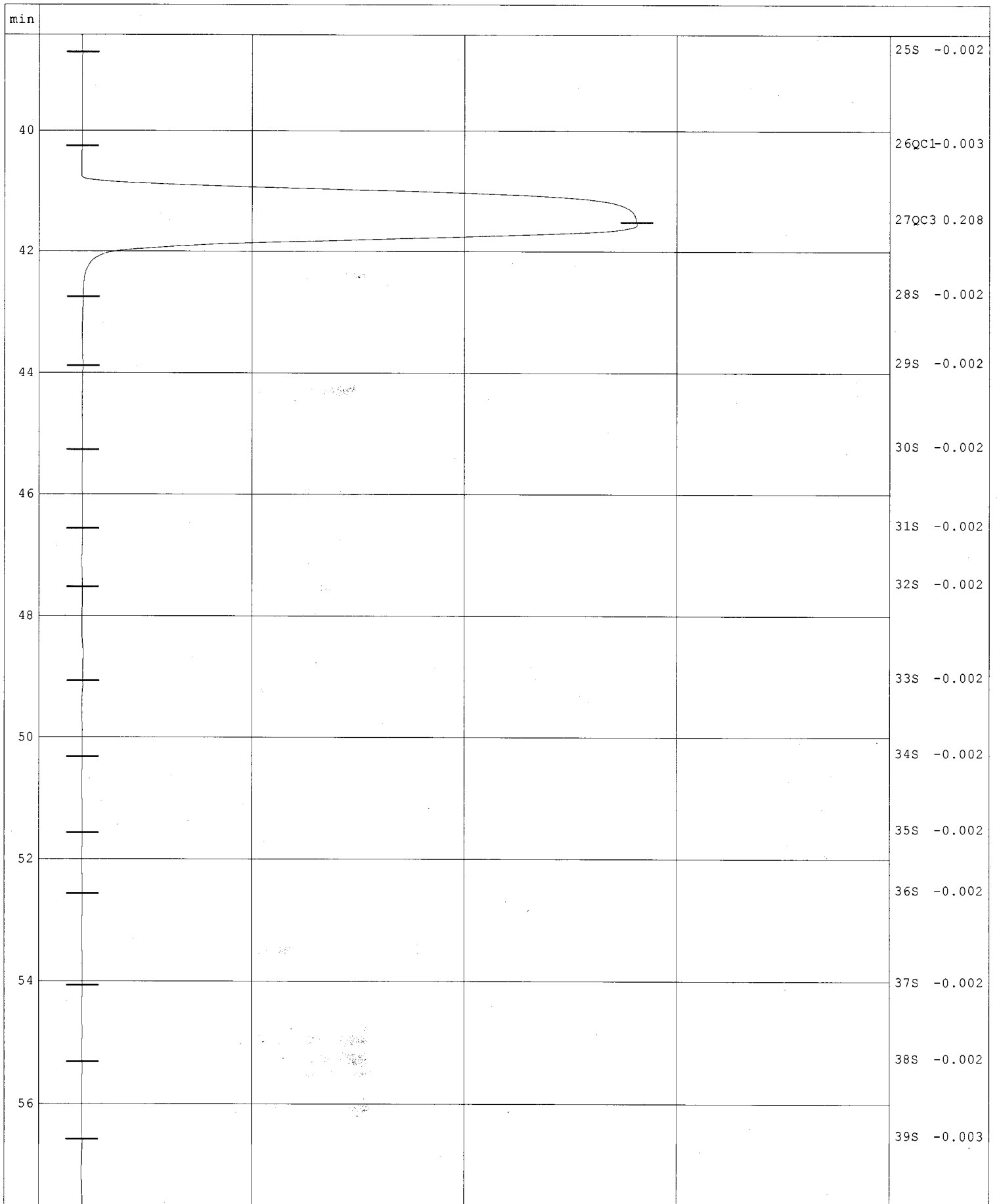
Name of run :221799.RUN
Comment :WETC

Name of analysis :Cn.ANL



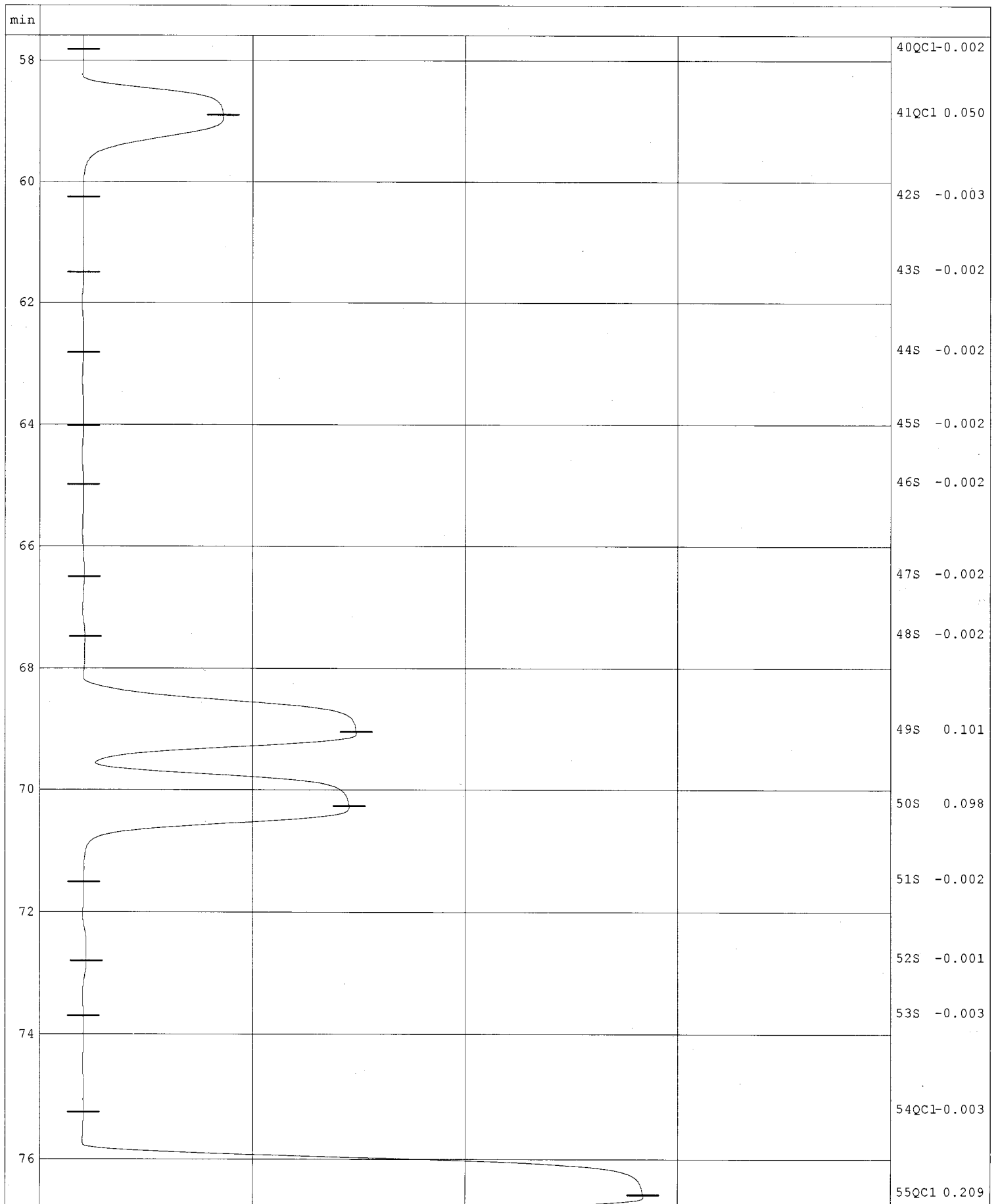
Name of run :221799.RUN
Comment :WETC

Name of analysis :Cn.ANL



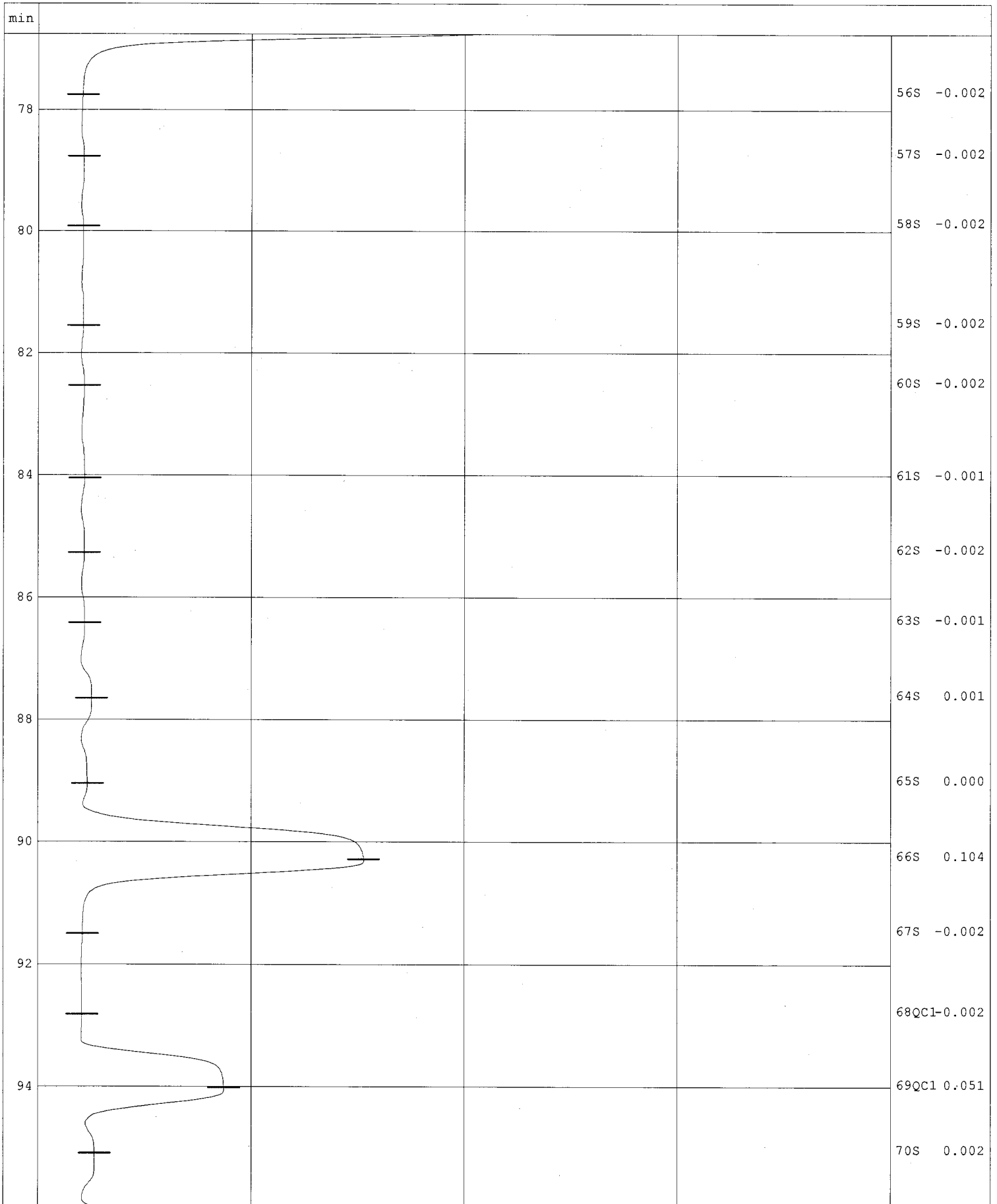
Name of run :221799.RUN
 Comment :WETC

Name of analysis :Cn.ANL



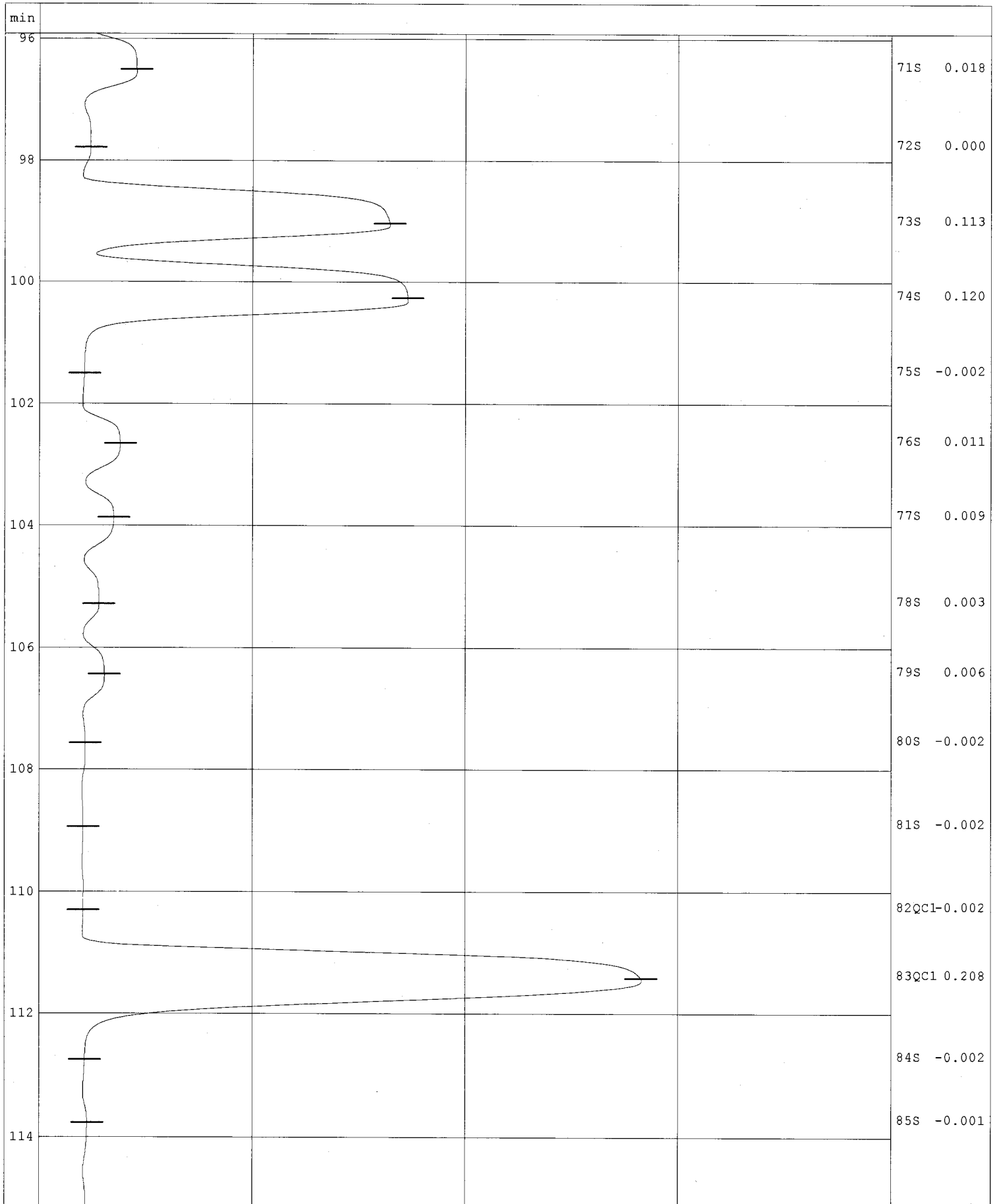
Name of run :221799.RUN
 Comment :WETC

Name of analysis :Cn.ANL



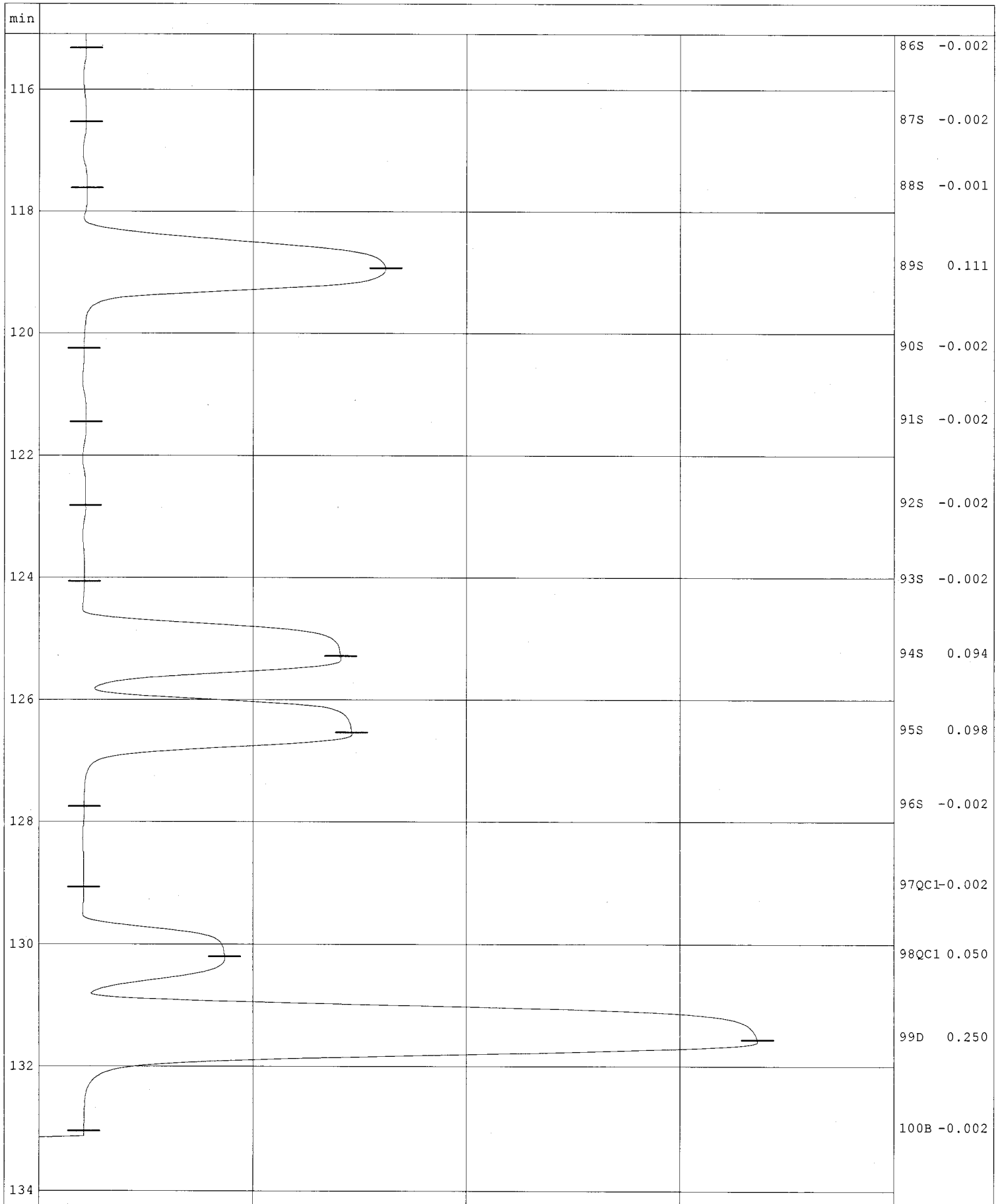
Name of run :221799.RUN
Comment :WETC

Name of analysis :Cn.ANL



Name of run :221799.RUN
Comment :WETC

Name of analysis :Cn.ANL



REACTIVITY PREPARATION

Method: Ch. 7.3.3.2/7.3.4.2	Rule: CNRDIST	Reagents/Standards:	ID#:	Reviewed By:
SOP: 09-R	Batch: 47298	0.01 N H2SO4:	WR190512002*	
Queue: WCPR	HBN: 513475	0.25 N NaOH:	WR190512003*	
Date: 05/15/19	Rule: SO2RDIST	CN Spike:	WS190515045	Reviewed Date:
Time: 14:45	Batch: 47299	SO2 Spike:	WS190515046	
Tech: VXF	HBN: 512476	Sand Lot#:	190121001	
		Pipettor ID#:	CLASS A	
		Balance ID#:	BAL-25	

Line#	Sample #	Sample Amount (mL or g)	Spike Amount (mL)	Final Volume (mL)	Time On:	Time Off:	Comments
1.)	2945814/2945817	20.03	0	100	17:33	18:05	MB
2.)	2945815	10.03	10	50	17:33	18:05	CN LCS
3.)	2945818	10	10	50	17:33	18:05	SO2 LCS
4.)	3032275001	20.03	0	100	17:33	18:05	
5.)	3032681001	10.02	0	50	17:33	18:05	SO2 ONLY
6.)	3032715002	20.06	0	100	17:33	18:05	
7.)	3032716002	20.07	0	100	18:21	18:56	
8.)	3032863001	20.01	0	100	18:21	18:56	
9.)	3033119001	20.03	0	100	18:21	18:56	
10.)	3033220001	20.03	0	100	18:21	18:56	
11.)	3033220002	20	0	100	18:21	18:56	
12.)	3033540001	10	0	50	18:21	18:56	CN ONLY
13.)	3033544001	10.03	0	50	19:17	19:47	CN ONLY
14.)	3033752001	20.06	0	100	19:17	19:47	
15.)	3033752002	20.02	0	100	19:17	19:47	
16.)	3033753001	20	0	100	19:17	19:47	
17.)	3033754001	20.02	0	100	19:17	19:47	
18.)	3033755001	20.01	0	100	19:17	19:47	
19.)	3033756001	20.05	0	100	20:02	20:35	
20.)	3033757001	20.03	0	100	20:02	20:35	
21.)	2945816/2945819	20.04	0	100	20:02	20:35	3033757001
22.)	3033862001	10.06	0	50	20:02	20:35	CN ONLY
23.)	3033863001	20.07	0	100	20:02	20:35	
24.)	3033935001	20.03	0	100	20:02	20:35	

Comments:

*MORE 0.01 N H2SO4 WR190515014 AND 0.25 N NaOH WR190515015 WERE USED

_Q:WCPR|_B:47298|_D:05/15/19

Ignitability Summary Forms

Ignitability Raw Data

IGNITABILITY

Air velocity through fume hood, ft/min:	100	Date/Time:	05/14/19 15:00	1st review:	DXC
Flame temperature, degrees C:	1000	Analyst:	DXC	2nd review:	
NM = non-metallic (2min)		Batch:	221672	Approval:	
M = metal or metal-alloy powder (5 min)		Burn Rate			

Sample Description		Preliminary Screening		Test 1		Test 2		Test 3		Burn Rate (average) mm/s	Report Comment (see below)
		Ignite	Propagate	time elapse from flame application to start of ignition, s	burn time/100mm,s	time elapse from flame application to start of ignition, s	burn time/100mm,s	time elapse from flame application to start of ignition, s	burn time/100mm,s		
3029933001	X		11 N							#DIV/0!	1
3032718001	X		15 N							#DIV/0!	1
DUP	X		15 N							#DIV/0!	1
3031943001	X		12 N							#DIV/0!	1
3032275001	X		12 N							#DIV/0!	1
3032350002	X		15 N							#DIV/0!	1
3032350003	X		13 N							#DIV/0!	1
3032350004	X		14 N							#DIV/0!	1
3032428001	X		12 N							#DIV/0!	1
3032429001	X		13 N							#DIV/0!	1

SOP ID:	04-IG
Anerometer ID:	AV-3
Thermometer ID:	TH-437

Regulation 40 CFR Testing: Causes Fire by Following Means:	
Friction	Spontaneous Chemical Change
Y/N	Y/N

Report Comment:

- (1) Sample did not ignite or propagate during preliminary screening:
Enter standard verbiage comment "WETC-IGN-NO" in LIMS comment section.
- (2) Calculated burn rate of zero or $NM \leq 2.2 \text{ mm/s}$ or $M \leq -0.17 \text{ mm/s}$:
Enter the calculated burn rate with the following verbiage: "The sample burn rate, performed in triplicate and averaged, was determined to be [insert burn rate] mm/sec. According to SW-846 Method 1030 this sample is considered to have a negative result for ignitability."
- (3) Positive burn rate tested for Reg 40 CFR criteria:
Enter the calculated burn rate with the following verbiage: "The sample burn rate, performed in triplicate and averaged, was determined to be [insert burn rate] mm/sec. According to SW-846 Method 1030 this sample is considered to have a positive result for ignitability. In order to be considered ignitable under 40 CFR 261.21, however, a solid must also be capable of causing fire through friction, absorption of moisture, or spontaneous chemical changes. This sample [did or did not] exhibit these characteristics so according to 40 CFR 261.21 [would or would not] be considered to exhibit the characteristic of ignitability."

_Q:WETC_B:221672_D:01/00/00

IGNITABILITY

Air velocity through fume hood, ft/min:	100	Date/Time:	05/14/19 15:00	1st review:	DXC
Flame temperature, degrees C:	1000	Analyst:	DXC	2nd review:	
NM = non-metallic (2min)		Batch:	221672	Approval:	

M = metal or metal-alloy powder (5 min)

Preliminary Screening

Sample	Sample Description		Sample Temp, °C	Ignite Y/N	Propagate Y/N	Test 1			Test 2			Test 3			Burn Rate (average) mm/s	Report Comment (see below)
	NM	M				time elapse from flame application to start of ignition, s	burn time/100mm,s	time elapse from flame application to start of ignition, s	burn time/100mm,s	time elapse from flame application to start of ignition, s	burn time/100mm,s	time elapse from flame application to start of ignition, s	burn time/100mm,s			
3032715002	X		12	N											#DIV/0!	1
3032716002	X		13	N											#DIV/0!	1
DUP	X		15	N											#DIV/0!	1
3032528001	X		14	N											#DIV/0!	1
3032530001	X		13	N											#DIV/0!	1
																1
																1
																1
																1
																1

Regulation 40 CFR Testing: Causes Fire by Following Means:

Sample	Friction		Absorption of Moisture		Spontaneous Chemical Change	
	Y/N		Y/N		Y/N	

SOP ID:	04-IG
Anerometer ID:	AV-3
Thermometer ID:	TH-437

Report Comment:

- (1) Sample did not ignite or propagate during preliminary screening:
Enter standard verbiage comment "WETC-IGN-NO" in LIMS comment section.
- (2) Calculated burn rate of zero or $NM \leq 2.2 \text{ mm/s}$ or $M \leq -0.17 \text{ mm/s}$:
Enter the calculated burn rate with the following verbiage: "The sample burn rate, performed in triplicate and averaged, was determined to be [insert burn rate] mm/sec. According to SW-846 Method 1030 this sample is considered to have a negative result for ignitability."
- (3) Positive burn rate tested for Reg 40 CFR criteria:
Enter the calculated burn rate with the following verbiage: "The sample burn rate, performed in triplicate and averaged, was determined to be [insert burn rate] mm/sec. According to SW-846 Method 1030 this sample is considered to have a positive result for ignitability. In order to be considered ignitable under 40 CFR 261.21, however, a solid must also be capable of causing fire through friction, absorption of moisture, or spontaneous chemical changes. This sample [did or did not] exhibit these characteristics so according to 40 CFR 261.21 [would or would not] be considered to exhibit the characteristic of ignitability."

_Q:WETC_B:221672_D:01/00/00



May 21, 2019

Service Request No:R1903956

Mr. Jeff Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Laboratory Results for: 24 York St

Dear Mr.Danzinger,

Enclosed are the results of the sample(s) submitted to our laboratory May 02, 2019
For your reference, these analyses have been assigned our service request number **R1903956**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Brady Kalkman
Project Manager

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Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Day Environmental, Inc.
Project: 24 York St
Sample Matrix: Water

Service Request: R1903956
Date Received: 05/02/2019

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 05/02/2019. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:


Method 625, 05/13/19, 05/15/19: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 625, 05/13/19: The Method Blank contained a low level of one or more analytes at concentrations above the Method Detection Limit (MDL), but less than ten times the concentration in the associated samples. Contamination is deemed insignificant relative to the reported samples and the data is reported with no further corrective action required.

Method 625, R1903956-001: The control limits for one or more surrogates in the sample are not applicable. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by 

Date 05/21/2019

SAMPLE DETECTION SUMMARY

CLIENT ID: IDW-2		Lab ID: R1903956-001				
Analyte	Results	Flag	MDL	MRL	Units	Method
2-Butanone (MEK)	104		1.95	12.5	ug/L	624.1
2-Hexanone	14.4		0.500	12.5	ug/L	624.1
4-Methyl-2-pentanone	8.98	J	0.500	12.5	ug/L	624.1
Acetone	297		5.25	12.5	ug/L	624.1
Chloroethane	1.28	J	0.575	2.50	ug/L	624.1
Cyclohexane	104		0.650	2.50	ug/L	624.1
Ethylbenzene	2.88		0.500	2.50	ug/L	624.1
Isopropylbenzene (Cumene)	16.8		0.500	2.50	ug/L	624.1
Toluene	0.650	J	0.500	2.50	ug/L	624.1
m,p-Xylenes	1.13	J	0.500	5.00	ug/L	624.1
o-Xylene	0.600	J	0.500	2.50	ug/L	624.1
2-Methylnaphthalene	1070		10.0	48.8	ug/L	625.1
Acenaphthene	53.9		16.0	48.8	ug/L	625.1
Acenaphthylene	15.0	J	13.0	48.8	ug/L	625.1
Anthracene	45.8	J	14.0	48.8	ug/L	625.1
Benz(a)anthracene	56.0		10.0	48.8	ug/L	625.1
Benzo(a)pyrene	46.1	J	13.0	48.8	ug/L	625.1
Benzo(g,h,i)perylene	35.0	J	15.0	48.8	ug/L	625.1
Chrysene	85.8		15.0	48.8	ug/L	625.1
Dibenzofuran	32.4	J	13.0	48.8	ug/L	625.1
Fluoranthene	168		14.0	48.8	ug/L	625.1
Fluorene	66.8		16.0	48.8	ug/L	625.1
Naphthalene	402		11.0	48.8	ug/L	625.1
Phenanthrene	202		16.0	48.8	ug/L	625.1
Pyrene	188		18.0	48.8	ug/L	625.1
2-Methylnaphthalene	1630		20.0	94.3	ug/L	625.1
Acenaphthene	85.4	J	32.0	94.3	ug/L	625.1
Anthracene	74.4	J	28.0	94.3	ug/L	625.1
Benz(a)anthracene	79.7	J	20.0	94.3	ug/L	625.1
Benzo(b)fluoranthene	55.5	J	26.0	94.3	ug/L	625.1
Benzo(g,h,i)perylene	57.6	J	30.0	94.3	ug/L	625.1
Benzo(k)fluoranthene	44.4	J	30.0	94.3	ug/L	625.1
Chrysene	112		30.0	94.3	ug/L	625.1
Dibenzofuran	50.6	J	26.0	94.3	ug/L	625.1
Fluoranthene	262		28.0	94.3	ug/L	625.1
Fluorene	116		32.0	94.3	ug/L	625.1
Indeno(1,2,3-cd)pyrene	33.7	J	28.0	94.3	ug/L	625.1
Naphthalene	584		22.0	94.3	ug/L	625.1
Phenanthrene	320		32.0	94.3	ug/L	625.1
Pyrene	295		36.0	94.3	ug/L	625.1



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1903956-001	IDW-2	5/1/2019	1518



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

56667

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 2 OF 2

Project Name 24 York St		Project Number 5597S-19		ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager Jeff Danzinger		Report CC Heather McLennon		PRESERVATIVE 6/1															
Company/Address Day Environmental, Inc 1563 Lyell Ave Rochester, NY		Phone # 585-454-0210		Email		NUMBER OF CONTAINERS													
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name Heather McLennon		GC/MS VOAs • 8200 • 821 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) VOCS 6024 SVOCs 6025 Full Temp Ignitability 1030 Reactivity pH															
SPECIAL INSTRUCTIONS/COMMENTS Metals		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE 5/2/19		REPORT REQUIREMENTS I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries <input checked="" type="checkbox"/> IV. Data Validation Report with Raw Data MODEL E-01 E-02 Edata <input checked="" type="checkbox"/> Yes ___ No		INVOICE INFORMATION PO # 5597S-19 BILL TO Jeff Danzinger Heather McLennon													
FOR OFFICE USE ONLY LAB ID		DATE		TIME		MATRIX		PRESERVATIVE											
CLIENT SAMPLE ID		DATE		TIME		MATRIX		PRESERVATIVE											
TB-08-24 (8-9)		4.30.19		1309		Soil		4 X											
TMW-01-24		5.1.19		1200		GW		3 X											
TMW-02-24		5.1.19		1215		GW		3 X											
TMW-04-24		5.1.19		1240		GW		3 X											
TMW-06-24		5.1.19		1305		GW		3 X											
TMW-08-24		5.1.19		1315		GW		3 X											
IDW-2		5.1.19		1518		NW		5 X X											
IDW-1		4.30.19		1515		Soil		2 X X X X											
STATE WHERE SAMPLES WERE COLLECTED		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

R1903956 **5**
 Day Environmental, Inc.
 24 York St



Cooler Receipt and Preservation Check Form

R1903956

5

Day Environmental, Inc.
24 York St



Project/Client Day Env. Folder Number _____

Cooler received on 5/2/19 by: SW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N <input type="radio"/>
2	Custody papers properly completed (ink, signed)?	<input checked="" type="radio"/> Y <input type="radio"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="radio"/> Y <input type="radio"/> N
4	Circle: Wet Ice Dry Ice Gel packs present?	<input checked="" type="radio"/> Y <input type="radio"/> N

5a	Perchlorate samples have required headspace?	Y N <input checked="" type="radio"/> NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input checked="" type="radio"/> N NA
6	Where did the bottles originate?	ALS/ROC CLIENT
7	Soil VOA received as:	Bulk Encore <u>5035SEP</u> NA

8. Temperature Readings Date: 5/2/19 Time: 1645 ID: IR#7 IR#1D From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>4.0</u>	<u>1.3</u>	<u>2.7</u>				
Correction Factor (°C)	<u>+0.3</u>	<u>+0.3</u>	<u>+0.3</u>				
Corrected Temp (°C)	<u>4.3</u>	<u>1.6</u>	<u>2.5</u>				
Temp from: Type of bottle	<u>Cent. tube</u>	<u>Cent. tube</u>	<u>Cent. tube</u>				
Within 0-6°C?	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-02 by SW on 5/2/19 at 1645
5035 samples placed in storage location: R-02 by SW on 5/2/19 at 1645

Cooler Breakdown/Preservation Check**: Date: 5/3/19 Time: 1445 by: SW

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact with MS? YES NO Canisters Pressurized YES NO Tedlar® Bags Inflated YES NO

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, <u>625</u> , 608pest, 522	<input checked="" type="checkbox"/>		If+, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		Zn Acetate	-	-						
		HCl	**	**	<u>4/117090</u>					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-333-002, 102218-1A1K
Explain all Discrepancies/ Other Comments:

624
w
HCl
vials

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL354I
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: SW
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

ALS Group USA, Corp.
 dba ALS Environmental
Internal Chain of Custody Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R1903956-001.01					
	625				
		5/3/2019	1446	SMO / GLAFORCE	
		5/3/2019	1446	R-002 / GLAFORCE	
		5/6/2019	0808	In Lab / VSTAUFFER	
R1903956-001.02					
	624				
		5/3/2019	1446	SMO / GLAFORCE	
		5/3/2019	1446	R-001 / GLAFORCE	
		5/6/2019	1137	In Lab / DLIPANI	
		5/6/2019	1910	R-001-S10 / DLIPANI	
		5/7/2019	1211	In Lab / DLIPANI	
		5/7/2019	1840	R-001-S10 / DLIPANI	
R1903956-001.03					
		5/3/2019	1446	SMO / GLAFORCE	
		5/3/2019	1446	R-001 / GLAFORCE	
R1903956-001.04					
		5/3/2019	1446	SMO / GLAFORCE	
		5/3/2019	1446	R-001 / GLAFORCE	
R1903956-001.05					
	625				
		5/3/2019	1446	SMO / GLAFORCE	
		5/3/2019	1446	R-002 / GLAFORCE	
		5/9/2019	0806	In Lab / VSTAUFFER	



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an immediate hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\times 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
624.1	Water	1,2,3-Trichlorobenzene
624.1	Water	1,2,4-Trichlorobenzene
624.1	Water	1,2-Dibromo-3-chloropropane (DBCP)
624.1	Water	1,2-Dibromoethane
624.1	Water	1,4-Dioxane
624.1	Water	2-Butanone (MEK)
624.1	Water	2-Hexanone
624.1	Water	Carbon Disulfide
624.1	Water	Cyclohexane
624.1	Water	Isopropylbenzene (Cumene)
625.1	Water	2-Methylnaphthalene
625.1	Water	2-Nitroaniline
625.1	Water	3-Nitroaniline
625.1	Water	4-Chloroaniline
625.1	Water	4-Nitroaniline
625.1	Water	Benzyl Alcohol
625.1	Water	Dibenzofuran

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956

Sample Name: IDW-2
Lab Code: R1903956-001
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
624
625

Extracted/Digested By

BALLGEIER

Analyzed By
DLIPANI
JMISIUREWICZ

Sample Name: IDW-2
Lab Code: R1903956-001.R01
Sample Matrix: Water

Date Collected: 05/1/19
Date Received: 05/2/19

Analysis Method
625

Extracted/Digested By
BALLGEIER

Analyzed By
JMISIUREWICZ



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
1,1,2,2-Tetrachloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1,2-Trichloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1-Dichloroethane (1,1-DCA)	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1-Dichloroethene (1,1-DCE)	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
1,2,3-Trichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2,4-Trichlorobenzene	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
1,2-Dibromo-3-chloropropane (DBCP)	1.13 U	2.50	1.13	2.5	05/07/19 15:41	
1,2-Dibromoethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichloropropane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,3-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,4-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,4-Dioxane	32.5 U	100	32.5	2.5	05/07/19 15:41	
2-Butanone (MEK)	104	12.5	1.95	2.5	05/07/19 15:41	
2-Hexanone	14.4	12.5	0.500	2.5	05/07/19 15:41	
4-Methyl-2-pentanone	8.98 J	12.5	0.500	2.5	05/07/19 15:41	
Acetone	297	12.5	5.25	2.5	05/07/19 15:41	
Benzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Bromodichloromethane	0.550 U	2.50	0.550	2.5	05/07/19 15:41	
Bromoform	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
Bromomethane	1.75 U	2.50	1.75	2.5	05/07/19 15:41	
Carbon Disulfide	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
Carbon Tetrachloride	0.850 U	2.50	0.850	2.5	05/07/19 15:41	
Chlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Chloroethane	1.28 J	2.50	0.575	2.5	05/07/19 15:41	
Chloroform	0.600 U	2.50	0.600	2.5	05/07/19 15:41	
Chloromethane	0.700 U	2.50	0.700	2.5	05/07/19 15:41	
Cyclohexane	104	2.50	0.650	2.5	05/07/19 15:41	
Dibromochloromethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Dichlorodifluoromethane (CFC 12)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
Dichloromethane	0.900 U	2.50	0.900	2.5	05/07/19 15:41	
Ethylbenzene	2.88	2.50	0.500	2.5	05/07/19 15:41	
Isopropylbenzene (Cumene)	16.8	2.50	0.500	2.5	05/07/19 15:41	
Methyl tert-Butyl Ether	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Styrene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Tetrachloroethene (PCE)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
Toluene	0.650 J	2.50	0.500	2.5	05/07/19 15:41	
Trichloroethene (TCE)	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Trichlorofluoromethane (CFC 11)	0.600 U	2.50	0.600	2.5	05/07/19 15:41	
Vinyl Chloride	0.500 U	2.50	0.500	2.5	05/07/19 15:41	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,2-Dichloroethene	0.575 U	2.50	0.575	2.5	05/07/19 15:41	
cis-1,3-Dichloropropene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
m,p-Xylenes	1.13 J	5.00	0.500	2.5	05/07/19 15:41	
o-Xylene	0.600 J	2.50	0.500	2.5	05/07/19 15:41	
trans-1,2-Dichloroethene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
trans-1,3-Dichloropropene	0.575 U	2.50	0.575	2.5	05/07/19 15:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	05/07/19 15:41	
Dibromofluoromethane	99	89 - 119	05/07/19 15:41	
Toluene-d8	101	87 - 121	05/07/19 15:41	



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
1,2-Diphenylhydrazine	24.0 U	48.8	24.0	10	05/08/19 01:16	5/6/19	
2,4,5-Trichlorophenol	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
2,4,6-Trichlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dichlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dimethylphenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dinitrophenol	29.0 U	488	29.0	10	05/08/19 01:16	5/6/19	
2,4-Dinitrotoluene	27.0 U	48.8	27.0	10	05/08/19 01:16	5/6/19	
2,6-Dinitrotoluene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
2-Chloronaphthalene	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
2-Chlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Methylnaphthalene	1070	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Methylphenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Nitroaniline	24.0 U	488	24.0	10	05/08/19 01:16	5/6/19	
2-Nitrophenol	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
3,3'-Dichlorobenzidine	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
3- and 4-Methylphenol Coelution	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
3-Nitroaniline	18.0 U	488	18.0	10	05/08/19 01:16	5/6/19	
4,6-Dinitro-2-methylphenol	37.0 U	488	37.0	10	05/08/19 01:16	5/6/19	
4-Bromophenyl Phenyl Ether	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
4-Chloro-3-methylphenol	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
4-Chloroaniline	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
4-Chlorophenyl Phenyl Ether	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
4-Nitroaniline	19.0 U	488	19.0	10	05/08/19 01:16	5/6/19	
4-Nitrophenol	30.0 U	488	30.0	10	05/08/19 01:16	5/6/19	
Acenaphthene	53.9	48.8	16.0	10	05/08/19 01:16	5/6/19	
Acenaphthylene	15.0 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Anthracene	45.8 J	48.8	14.0	10	05/08/19 01:16	5/6/19	
Benz(a)anthracene	56.0	48.8	10.0	10	05/08/19 01:16	5/6/19	
Benzidine	95.0 U	976	95.0	10	05/08/19 01:16	5/6/19	
Benzo(a)pyrene	46.1 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Benzo(b)fluoranthene	13.0 U	48.8	13.0	10	05/08/19 01:16	5/6/19	
Benzo(g,h,i)perylene	35.0 J	48.8	15.0	10	05/08/19 01:16	5/6/19	
Benzo(k)fluoranthene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Benzyl Alcohol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,2'-Oxybis(1-chloropropane)	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Bis(2-chloroethoxy)methane	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Bis(2-chloroethyl) Ether	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Bis(2-ethylhexyl) Phthalate	97.0 U	97.6	97.0	10	05/08/19 01:16	5/6/19	
Butyl Benzyl Phthalate	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Carbazole	13.0 U	48.8	13.0	10	05/08/19 01:16	5/6/19	
Chrysene	85.8	48.8	15.0	10	05/08/19 01:16	5/6/19	
Di-n-butyl Phthalate	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	18.0 U	48.8	18.0	10	05/08/19 01:16	5/6/19	
Dibenz(a,h)anthracene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Dibenzofuran	32.4 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Diethyl Phthalate	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
Dimethyl Phthalate	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Fluoranthene	168	48.8	14.0	10	05/08/19 01:16	5/6/19	
Fluorene	66.8	48.8	16.0	10	05/08/19 01:16	5/6/19	
Hexachlorobenzene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Hexachlorobutadiene	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
Hexachlorocyclopentadiene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Hexachloroethane	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
Indeno(1,2,3-cd)pyrene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Isophorone	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodi-n-propylamine	20.0 U	48.8	20.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodimethylamine	24.0 U	48.8	24.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodiphenylamine	47.0 U	48.8	47.0	10	05/08/19 01:16	5/6/19	
Naphthalene	402	48.8	11.0	10	05/08/19 01:16	5/6/19	
Nitrobenzene	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Pentachlorophenol (PCP)	60.0 U	488	60.0	10	05/08/19 01:16	5/6/19	
Phenanthrene	202	48.8	16.0	10	05/08/19 01:16	5/6/19	
Phenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Pyrene	188	48.8	18.0	10	05/08/19 01:16	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	35 - 141	05/08/19 01:16	
2-Fluorobiphenyl	79	31 - 118	05/08/19 01:16	
2-Fluorophenol	4 *	10 - 105	05/08/19 01:16	*
Nitrobenzene-d5	74	31 - 110	05/08/19 01:16	
Phenol-d6	37	10 - 107	05/08/19 01:16	
p-Terphenyl-d14	78	10 - 165	05/08/19 01:16	

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
1,2-Diphenylhydrazine	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
2,4,5-Trichlorophenol	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
2,4,6-Trichlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dichlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dimethylphenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dinitrophenol	58.0 U	94.3	58.0	20	05/15/19 09:54	5/9/19	*
2,4-Dinitrotoluene	54.0 U	94.3	54.0	20	05/15/19 09:54	5/9/19	*
2,6-Dinitrotoluene	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
2-Chloronaphthalene	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
2-Chlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Methylnaphthalene	1630	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Methylphenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Nitroaniline	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
2-Nitrophenol	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
3,3'-Dichlorobenzidine	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
3- and 4-Methylphenol Coelution	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
3-Nitroaniline	36.0 U	94.3	36.0	20	05/15/19 09:54	5/9/19	*
4,6-Dinitro-2-methylphenol	74.0 U	94.3	74.0	20	05/15/19 09:54	5/9/19	*
4-Bromophenyl Phenyl Ether	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
4-Chloro-3-methylphenol	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
4-Chloroaniline	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
4-Chlorophenyl Phenyl Ether	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
4-Nitroaniline	38.0 U	94.3	38.0	20	05/15/19 09:54	5/9/19	*
4-Nitrophenol	60.0 U	94.3	60.0	20	05/15/19 09:54	5/9/19	*
Acenaphthene	85.4 J	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Acenaphthylene	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Anthracene	74.4 J	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Benz(a)anthracene	79.7 J	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Benzidine	190 U	1890	190	20	05/15/19 09:54	5/9/19	*
Benzo(a)pyrene	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Benzo(b)fluoranthene	55.5 J	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Benzo(g,h,i)perylene	57.6 J	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Benzo(k)fluoranthene	44.4 J	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Benzyl Alcohol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,2'-Oxybis(1-chloropropane)	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Bis(2-chloroethoxy)methane	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Bis(2-chloroethyl) Ether	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Bis(2-ethylhexyl) Phthalate	194 U	194	194	20	05/15/19 09:54	5/9/19	*
Butyl Benzyl Phthalate	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Carbazole	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Chrysene	112	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Di-n-butyl Phthalate	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	36.0 U	94.3	36.0	20	05/15/19 09:54	5/9/19	*
Dibenz(a,h)anthracene	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Dibenzofuran	50.6 J	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Diethyl Phthalate	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
Dimethyl Phthalate	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Fluoranthene	262	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Fluorene	116	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Hexachlorobenzene	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Hexachlorobutadiene	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
Hexachlorocyclopentadiene	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Hexachloroethane	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
Indeno(1,2,3-cd)pyrene	33.7 J	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Isophorone	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodi-n-propylamine	40.0 U	94.3	40.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodimethylamine	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodiphenylamine	94.0 U	94.3	94.0	20	05/15/19 09:54	5/9/19	*
Naphthalene	584	94.3	22.0	20	05/15/19 09:54	5/9/19	*
Nitrobenzene	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Pentachlorophenol (PCP)	120 U	943	120	20	05/15/19 09:54	5/9/19	*
Phenanthrene	320	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Phenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Pyrene	295	94.3	36.0	20	05/15/19 09:54	5/9/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	05/15/19 09:54	D
2-Fluorobiphenyl	0 *	31 - 118	05/15/19 09:54	D
2-Fluorophenol	0 *	10 - 105	05/15/19 09:54	D
Nitrobenzene-d5	0 *	31 - 110	05/15/19 09:54	D
Phenol-d6	0 *	10 - 107	05/15/19 09:54	D
p-Terphenyl-d14	0 *	10 - 165	05/15/19 09:54	D



QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
IDW-2	R1903956-001	99	99	101
Method Blank	RQ1904330-05	92	95	97
Lab Control Sample	RQ1904330-03	93	95	96

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19 11:25
Date Extracted:

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904330-05
Analysis Method: 624.1
Prep Method: EPA 5030C

Instrument ID: R-MS-10
File ID: I:\ACQUADATA\msvoa10\data\050719\E0915.D\
Analysis Lot: 634558

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904330-03	I:\ACQUADATA\msvoa10\data\050719\E0912.D\	05/07/19 10:13
IDW-2	R1903956-001	I:\ACQUADATA\msvoa10\data\050719\E0926.D\	05/07/19 15:41

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904330-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.210 U	1.00	0.210	1	05/07/19 11:25	
1,1,2,2-Tetrachloroethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,1,2-Trichloroethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,1-Dichloroethane (1,1-DCA)	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,1-Dichloroethene (1,1-DCE)	0.250 U	1.00	0.250	1	05/07/19 11:25	
1,2,3-Trichlorobenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,2,4-Trichlorobenzene	0.250 U	1.00	0.250	1	05/07/19 11:25	
1,2-Dibromo-3-chloropropane (DBCP)	0.450 U	1.00	0.450	1	05/07/19 11:25	
1,2-Dibromoethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,2-Dichlorobenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,2-Dichloroethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,2-Dichloropropane	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,3-Dichlorobenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,4-Dichlorobenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
1,4-Dioxane	13.0 U	40.0	13.0	1	05/07/19 11:25	
2-Butanone (MEK)	0.780 U	5.00	0.780	1	05/07/19 11:25	
2-Hexanone	0.200 U	5.00	0.200	1	05/07/19 11:25	
4-Methyl-2-pentanone	0.200 U	5.00	0.200	1	05/07/19 11:25	
Acetone	2.10 U	5.00	2.10	1	05/07/19 11:25	
Benzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
Bromodichloromethane	0.220 U	1.00	0.220	1	05/07/19 11:25	
Bromoform	0.250 U	1.00	0.250	1	05/07/19 11:25	
Bromomethane	0.700 U	1.00	0.700	1	05/07/19 11:25	
Carbon Disulfide	0.250 U	10.0	0.250	1	05/07/19 11:25	
Carbon Tetrachloride	0.340 U	1.00	0.340	1	05/07/19 11:25	
Chlorobenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
Chloroethane	0.230 U	1.00	0.230	1	05/07/19 11:25	
Chloroform	0.240 U	1.00	0.240	1	05/07/19 11:25	
Chloromethane	0.280 U	1.00	0.280	1	05/07/19 11:25	
Cyclohexane	0.260 U	1.00	0.260	1	05/07/19 11:25	
Dibromochloromethane	0.200 U	1.00	0.200	1	05/07/19 11:25	
Dichlorodifluoromethane (CFC 12)	0.210 U	1.00	0.210	1	05/07/19 11:25	
Dichloromethane	0.360 U	1.00	0.360	1	05/07/19 11:25	
Ethylbenzene	0.200 U	1.00	0.200	1	05/07/19 11:25	
Isopropylbenzene (Cumene)	0.200 U	1.00	0.200	1	05/07/19 11:25	
Methyl tert-Butyl Ether	0.200 U	1.00	0.200	1	05/07/19 11:25	
Styrene	0.200 U	1.00	0.200	1	05/07/19 11:25	
Tetrachloroethene (PCE)	0.210 U	1.00	0.210	1	05/07/19 11:25	
Toluene	0.200 U	1.00	0.200	1	05/07/19 11:25	
Trichloroethene (TCE)	0.200 U	1.00	0.200	1	05/07/19 11:25	
Trichlorofluoromethane (CFC 11)	0.240 U	1.00	0.240	1	05/07/19 11:25	
Vinyl Chloride	0.200 U	1.00	0.200	1	05/07/19 11:25	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904330-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,2-Dichloroethene	0.230 U	1.00	0.230	1	05/07/19 11:25	
cis-1,3-Dichloropropene	0.200 U	1.00	0.200	1	05/07/19 11:25	
m,p-Xylenes	0.200 U	2.00	0.200	1	05/07/19 11:25	
o-Xylene	0.200 U	1.00	0.200	1	05/07/19 11:25	
trans-1,2-Dichloroethene	0.200 U	1.00	0.200	1	05/07/19 11:25	
trans-1,3-Dichloropropene	0.230 U	1.00	0.230	1	05/07/19 11:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	05/07/19 11:25	
Dibromofluoromethane	95	89 - 119	05/07/19 11:25	
Toluene-d8	97	87 - 121	05/07/19 11:25	

ALS Group USA, Corp.

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19 10:13
Date Extracted:

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904330-03
Analysis Method: 624.1
Prep Method: EPA 5030C

Instrument ID:R-MS-10
File ID:I:\ACQUADATA\msvoa10\data\050719\E0912.D\
Analysis Lot:634558

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904330-05	I:\ACQUADATA\msvoa10\data\050719\E0915.D\	05/07/19 11:25
IDW-2	R1903956-001	I:\ACQUADATA\msvoa10\data\050719\E0926.D\	05/07/19 15:41

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904330-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	624.1	17.8	20.0	89	70-130
1,1,2,2-Tetrachloroethane	624.1	18.1	20.0	91	60-140
1,1,2-Trichloroethane	624.1	17.5	20.0	87	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	624.1	20.5	20.0	102	67-124
1,1-Dichloroethane (1,1-DCA)	624.1	19.3	20.0	96	70-130
1,1-Dichloroethene (1,1-DCE)	624.1	19.0	20.0	95	50-150
1,2,3-Trichlorobenzene	624.1	18.5	20.0	92	67-136
1,2,4-Trichlorobenzene	624.1	18.3	20.0	92	75-132
1,2-Dibromo-3-chloropropane (DBCP)	624.1	16.9	20.0	85	55-136
1,2-Dibromoethane	624.1	19.1	20.0	96	82-127
1,2-Dichlorobenzene	624.1	17.7	20.0	88	65-135
1,2-Dichloroethane	624.1	17.8	20.0	89	70-130
1,2-Dichloropropane	624.1	19.8	20.0	99	35-165
1,3-Dichlorobenzene	624.1	17.7	20.0	89	70-130
1,4-Dichlorobenzene	624.1	17.6	20.0	88	65-135
1,4-Dioxane	624.1	407	400	102	44-154
2-Butanone (MEK)	624.1	19.7	20.0	98	61-137
2-Hexanone	624.1	18.6	20.0	93	63-124
4-Methyl-2-pentanone	624.1	20.5	20.0	102	66-124
Acetone	624.1	18.2	20.0	91	40-161
Benzene	624.1	19.1	20.0	96	65-135
Bromodichloromethane	624.1	18.2	20.0	91	65-135
Bromoform	624.1	18.5	20.0	93	70-130
Bromomethane	624.1	17.1	20.0	86	15-185
Carbon Disulfide	624.1	20.1	20.0	101	66-128
Carbon Tetrachloride	624.1	17.6	20.0	88	70-130
Chlorobenzene	624.1	17.8	20.0	89	65-135
Chloroethane	624.1	16.1	20.0	80	40-160
Chloroform	624.1	18.9	20.0	95	70-135
Chloromethane	624.1	19.7	20.0	98	1-205
Cyclohexane	624.1	18.6	20.0	93	69-120
Dibromochloromethane	624.1	17.9	20.0	90	70-135
Dichlorodifluoromethane (CFC 12)	624.1	20.2	20.0	101	59-155

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ1904330-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichloromethane	624.1	18.5	20.0	93	60-140
Ethylbenzene	624.1	18.4	20.0	92	60-140
Isopropylbenzene (Cumene)	624.1	17.6	20.0	88	77-128
Methyl tert-Butyl Ether	624.1	19.7	20.0	98	75-118
Styrene	624.1	18.3	20.0	92	80-124
Tetrachloroethene (PCE)	624.1	18.0	20.0	90	70-130
Toluene	624.1	18.1	20.0	90	70-130
Trichloroethene (TCE)	624.1	17.9	20.0	90	65-135
Trichlorofluoromethane (CFC 11)	624.1	18.2	20.0	91	50-150
Vinyl Chloride	624.1	19.7	20.0	99	5-195
cis-1,2-Dichloroethene	624.1	19.7	20.0	98	80-117
cis-1,3-Dichloropropene	624.1	19.2	20.0	96	25-175
m,p-Xylenes	624.1	35.5	40.0	89	80-126
o-Xylene	624.1	17.6	20.0	88	79-123
trans-1,2-Dichloroethene	624.1	19.2	20.0	96	70-130
trans-1,3-Dichloropropene	624.1	18.4	20.0	92	50-150

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/07/19 09:11

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\msvoa10\data\050719\E0910.D\
Instrument ID: R-MS-10

Analytical Method: 624.1
Analysis Lot: 634558

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.95	31715	Pass
75	95	30	60	50.43	69688	Pass
95	95	100	100	100.00	138200	Pass
96	95	5	9	6.56	9066	Pass
173	174	0	2	1.20	1280	Pass
174	95	50	120	77.22	106720	Pass
175	174	5	9	7.62	8128	Pass
176	174	95	101	96.39	102870	Pass
177	176	5	9	6.34	6520	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Lab Control Sample	RQ1904330-03	I:\ACQUADATA\msvoa10\data\050719\E0912.D\	05/07/19 10:13	
Method Blank	RQ1904330-05	I:\ACQUADATA\msvoa10\data\050719\E0915.D\	05/07/19 11:25	
IDW-2	R1903956-001	I:\ACQUADATA\msvoa10\data\050719\E0926.D\	05/07/19 15:41	



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		35-141	31-118	10-105
IDW-2	R1903956-001	78	79	4*
IDW-2 RE	R1903956-001	0*	0*	0*
Method Blank	RQ1904141-03	97	70	36
Method Blank	RQ1904334-01	86	66	33
Lab Control Sample	RQ1904141-04	98	79	45
Duplicate Lab Control Sample	RQ1904141-05	92	78	42
Lab Control Sample	RQ1904334-02	80	64	33
Duplicate Lab Control Sample	RQ1904334-03	78	62	35

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		31-110	10-107	10-165
IDW-2	R1903956-001	74	37	78
IDW-2 RE	R1903956-001	0*	0*	0*
Method Blank	RQ1904141-03	72	23	77
Method Blank	RQ1904334-01	65	22	74
Lab Control Sample	RQ1904141-04	77	30	86
Duplicate Lab Control Sample	RQ1904141-05	79	29	84
Lab Control Sample	RQ1904334-02	57	23	72
Duplicate Lab Control Sample	RQ1904334-03	57	24	66

ALS Group USA, Corp.

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19 18:08
Date Extracted: 05/06/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904141-03
Analysis Method: 625.1
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUDATA\5973A\DATA\050719\DR957.D\
Analysis Lot:634532,635338,635364
Extraction Lot:335966

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904141-04	I:\ACQUDATA\5973A\DATA\050719\DR958.D\	05/07/19 18:38
Duplicate Lab Control Sample	RQ1904141-05	I:\ACQUDATA\5973A\DATA\050719\DR959.D\	05/07/19 19:07
IDW-2	R1903956-001	I:\ACQUDATA\5973A\DATA\050719\DR972.D\	05/08/19 01:16

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/13/19 09:38
Date Extracted: 05/09/19

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1904334-01
Analysis Method: 625.1
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUADATA\5973A\DATA\051319\DS004.D\
Analysis Lot:634532,635338,635364
Extraction Lot:336273

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1904334-02	I:\ACQUADATA\5973A\DATA\051319\DS005.D\	05/13/19 10:07
Duplicate Lab Control Sample	RQ1904334-03	I:\ACQUADATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36
IDW-2	R1903956-001	I:\ACQUADATA\5973A\DATA\051519\DS030.D\	05/15/19 09:54

ALS Group USA, Corp.
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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904141-03

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
1,2-Diphenylhydrazine	2.40 U	5.00	2.40	1	05/07/19 18:08	5/6/19	
2,4,5-Trichlorophenol	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	
2,4,6-Trichlorophenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2,4-Dichlorophenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2,4-Dimethylphenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2,4-Dinitrophenol	2.90 U	50.0	2.90	1	05/07/19 18:08	5/6/19	
2,4-Dinitrotoluene	2.70 U	5.00	2.70	1	05/07/19 18:08	5/6/19	
2,6-Dinitrotoluene	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
2-Chloronaphthalene	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	
2-Chlorophenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2-Methylnaphthalene	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2-Methylphenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2-Nitroaniline	2.40 U	50.0	2.40	1	05/07/19 18:08	5/6/19	
2-Nitrophenol	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
3,3'-Dichlorobenzidine	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
3-Nitroaniline	1.80 U	50.0	1.80	1	05/07/19 18:08	5/6/19	
4,6-Dinitro-2-methylphenol	3.70 U	50.0	3.70	1	05/07/19 18:08	5/6/19	
4-Bromophenyl Phenyl Ether	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
4-Chloro-3-methylphenol	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	
4-Chloroaniline	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
4-Chlorophenyl Phenyl Ether	1.20 U	5.00	1.20	1	05/07/19 18:08	5/6/19	
4-Nitroaniline	1.90 U	50.0	1.90	1	05/07/19 18:08	5/6/19	
4-Nitrophenol	3.00 U	50.0	3.00	1	05/07/19 18:08	5/6/19	
Acenaphthene	1.60 U	5.00	1.60	1	05/07/19 18:08	5/6/19	
Acenaphthylene	1.30 U	5.00	1.30	1	05/07/19 18:08	5/6/19	
Anthracene	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Benz(a)anthracene	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Benzidine	9.50 U	100	9.50	1	05/07/19 18:08	5/6/19	
Benzo(a)pyrene	1.30 U	5.00	1.30	1	05/07/19 18:08	5/6/19	
Benzo(b)fluoranthene	1.30 U	5.00	1.30	1	05/07/19 18:08	5/6/19	
Benzo(g,h,i)perylene	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
Benzo(k)fluoranthene	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
Benzyl Alcohol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
2,2'-Oxybis(1-chloropropane)	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Bis(2-chloroethoxy)methane	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Bis(2-chloroethyl) Ether	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Bis(2-ethylhexyl) Phthalate	9.70 U	10.0	9.70	1	05/07/19 18:08	5/6/19	
Butyl Benzyl Phthalate	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Carbazole	1.30 U	5.00	1.30	1	05/07/19 18:08	5/6/19	
Chrysene	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
Di-n-butyl Phthalate	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	

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dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904141-03

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	1.80 U	5.00	1.80	1	05/07/19 18:08	5/6/19	
Dibenz(a,h)anthracene	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Dibenzofuran	1.30 U	5.00	1.30	1	05/07/19 18:08	5/6/19	
Diethyl Phthalate	1.20 U	5.00	1.20	1	05/07/19 18:08	5/6/19	
Dimethyl Phthalate	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
Fluoranthene	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Fluorene	1.60 U	5.00	1.60	1	05/07/19 18:08	5/6/19	
Hexachlorobenzene	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Hexachlorobutadiene	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	
Hexachlorocyclopentadiene	1.50 U	5.00	1.50	1	05/07/19 18:08	5/6/19	
Hexachloroethane	1.20 U	5.00	1.20	1	05/07/19 18:08	5/6/19	
Indeno(1,2,3-cd)pyrene	1.40 U	5.00	1.40	1	05/07/19 18:08	5/6/19	
Isophorone	1.20 U	5.00	1.20	1	05/07/19 18:08	5/6/19	
N-Nitrosodi-n-propylamine	2.00 U	5.00	2.00	1	05/07/19 18:08	5/6/19	
N-Nitrosodimethylamine	2.40 U	5.00	2.40	1	05/07/19 18:08	5/6/19	
N-Nitrosodiphenylamine	4.70 U	5.00	4.70	1	05/07/19 18:08	5/6/19	
Naphthalene	1.10 U	5.00	1.10	1	05/07/19 18:08	5/6/19	
Nitrobenzene	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Pentachlorophenol (PCP)	6.00 U	50.0	6.00	1	05/07/19 18:08	5/6/19	
Phenanthrene	1.60 U	5.00	1.60	1	05/07/19 18:08	5/6/19	
Phenol	1.00 U	5.00	1.00	1	05/07/19 18:08	5/6/19	
Pyrene	1.80 U	5.00	1.80	1	05/07/19 18:08	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	35 - 141	05/07/19 18:08	
2-Fluorobiphenyl	70	31 - 118	05/07/19 18:08	
2-Fluorophenol	36	10 - 105	05/07/19 18:08	
Nitrobenzene-d5	72	31 - 110	05/07/19 18:08	
Phenol-d6	23	10 - 107	05/07/19 18:08	
p-Terphenyl-d14	77	10 - 165	05/07/19 18:08	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904334-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
1,2-Diphenylhydrazine	2.40 U	5.00	2.40	1	05/13/19 09:38	5/9/19	
2,4,5-Trichlorophenol	1.10 U	5.00	1.10	1	05/13/19 09:38	5/9/19	
2,4,6-Trichlorophenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2,4-Dichlorophenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2,4-Dimethylphenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2,4-Dinitrophenol	2.90 U	50.0	2.90	1	05/13/19 09:38	5/9/19	
2,4-Dinitrotoluene	2.70 U	5.00	2.70	1	05/13/19 09:38	5/9/19	
2,6-Dinitrotoluene	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
2-Chloronaphthalene	1.10 U	5.00	1.10	1	05/13/19 09:38	5/9/19	
2-Chlorophenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2-Methylnaphthalene	3.10 J	5.00	1.00	1	05/13/19 09:38	5/9/19	
2-Methylphenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2-Nitroaniline	2.40 U	50.0	2.40	1	05/13/19 09:38	5/9/19	
2-Nitrophenol	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
3,3'-Dichlorobenzidine	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
3-Nitroaniline	1.80 U	50.0	1.80	1	05/13/19 09:38	5/9/19	
4,6-Dinitro-2-methylphenol	3.70 U	50.0	3.70	1	05/13/19 09:38	5/9/19	
4-Bromophenyl Phenyl Ether	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
4-Chloro-3-methylphenol	1.10 U	5.00	1.10	1	05/13/19 09:38	5/9/19	
4-Chloroaniline	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
4-Chlorophenyl Phenyl Ether	1.20 U	5.00	1.20	1	05/13/19 09:38	5/9/19	
4-Nitroaniline	1.90 U	50.0	1.90	1	05/13/19 09:38	5/9/19	
4-Nitrophenol	3.00 U	50.0	3.00	1	05/13/19 09:38	5/9/19	
Acenaphthene	1.60 U	5.00	1.60	1	05/13/19 09:38	5/9/19	
Acenaphthylene	1.30 U	5.00	1.30	1	05/13/19 09:38	5/9/19	
Anthracene	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Benz(a)anthracene	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Benzidine	9.50 U	100	9.50	1	05/13/19 09:38	5/9/19	
Benzo(a)pyrene	1.30 U	5.00	1.30	1	05/13/19 09:38	5/9/19	
Benzo(b)fluoranthene	1.30 U	5.00	1.30	1	05/13/19 09:38	5/9/19	
Benzo(g,h,i)perylene	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
Benzo(k)fluoranthene	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
Benzyl Alcohol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
2,2'-Oxybis(1-chloropropane)	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Bis(2-chloroethoxy)methane	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Bis(2-chloroethyl) Ether	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Bis(2-ethylhexyl) Phthalate	9.70 U	10.0	9.70	1	05/13/19 09:38	5/9/19	
Butyl Benzyl Phthalate	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Carbazole	1.30 U	5.00	1.30	1	05/13/19 09:38	5/9/19	
Chrysene	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
Di-n-butyl Phthalate	1.10 U	5.00	1.10	1	05/13/19 09:38	5/9/19	

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Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1904334-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	1.80 U	5.00	1.80	1	05/13/19 09:38	5/9/19	
Dibenz(a,h)anthracene	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Dibenzofuran	1.30 U	5.00	1.30	1	05/13/19 09:38	5/9/19	
Diethyl Phthalate	1.20 U	5.00	1.20	1	05/13/19 09:38	5/9/19	
Dimethyl Phthalate	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
Fluoranthene	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Fluorene	1.60 U	5.00	1.60	1	05/13/19 09:38	5/9/19	
Hexachlorobenzene	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Hexachlorobutadiene	1.10 U	5.00	1.10	1	05/13/19 09:38	5/9/19	
Hexachlorocyclopentadiene	1.50 U	5.00	1.50	1	05/13/19 09:38	5/9/19	
Hexachloroethane	1.20 U	5.00	1.20	1	05/13/19 09:38	5/9/19	
Indeno(1,2,3-cd)pyrene	1.40 U	5.00	1.40	1	05/13/19 09:38	5/9/19	
Isophorone	1.20 U	5.00	1.20	1	05/13/19 09:38	5/9/19	
N-Nitrosodi-n-propylamine	2.00 U	5.00	2.00	1	05/13/19 09:38	5/9/19	
N-Nitrosodimethylamine	2.40 U	5.00	2.40	1	05/13/19 09:38	5/9/19	
N-Nitrosodiphenylamine	4.70 U	5.00	4.70	1	05/13/19 09:38	5/9/19	
Naphthalene	3.57 J	5.00	1.10	1	05/13/19 09:38	5/9/19	
Nitrobenzene	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Pentachlorophenol (PCP)	6.00 U	50.0	6.00	1	05/13/19 09:38	5/9/19	
Phenanthrene	1.60 U	5.00	1.60	1	05/13/19 09:38	5/9/19	
Phenol	1.00 U	5.00	1.00	1	05/13/19 09:38	5/9/19	
Pyrene	1.80 U	5.00	1.80	1	05/13/19 09:38	5/9/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	35 - 141	05/13/19 09:38	
2-Fluorobiphenyl	66	31 - 118	05/13/19 09:38	
2-Fluorophenol	33	10 - 105	05/13/19 09:38	
Nitrobenzene-d5	65	31 - 110	05/13/19 09:38	
Phenol-d6	22	10 - 107	05/13/19 09:38	
p-Terphenyl-d14	74	10 - 165	05/13/19 09:38	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19 18:38
Date Extracted: 05/06/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904141-04
Analysis Method: 625.1
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUADATA\5973A\DATA\050719\DR958.D\
Analysis Lot:634532,635338,635364
Extraction Lot:335966

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904141-03	I:\ACQUADATA\5973A\DATA\050719\DR957.D\	05/07/19 18:08
Duplicate Lab Control Sample	RQ1904141-05	I:\ACQUADATA\5973A\DATA\050719\DR959.D\	05/07/19 19:07
IDW-2	R1903956-001	I:\ACQUADATA\5973A\DATA\050719\DR972.D\	05/08/19 01:16

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/13/19 10:07
Date Extracted: 05/09/19

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: RQ1904334-02
Analysis Method: 625.1
Prep Method: EPA 3510C

Instrument ID:R-MS-51
File ID:I:\ACQUDATA\5973A\DATA\051319\DS005.D\
Analysis Lot:634532,635338,635364
Extraction Lot:336273

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	RQ1904334-01	I:\ACQUDATA\5973A\DATA\051319\DS004.D\	05/13/19 09:38
Duplicate Lab Control Sample	RQ1904334-03	I:\ACQUDATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36
IDW-2	R1903956-001	I:\ACQUDATA\5973A\DATA\051519\DS030.D\	05/15/19 09:54

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample RQ1904141-04				Duplicate Lab Control Sample RQ1904141-05				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,2,4-Trichlorobenzene	625.1	32.3	50.0	65	30.4	50.0	61	44-142	6	50
1,2-Diphenylhydrazine	625.1	50.7	50.0	101	50.9	50.0	102	51-110	<1	30
2,4,5-Trichlorophenol	625.1	46.3	50.0	93	45.7	50.0	91	48-134	1	30
2,4,6-Trichlorophenol	625.1	45.5	50.0	91	45.6	50.0	91	37-144	<1	58
2,4-Dichlorophenol	625.1	41.0	50.0	82	39.6	50.0	79	39-135	3	50
2,4-Dimethylphenol	625.1	44.0	50.0	88	43.1	50.0	86	32-120	2	58
2,4-Dinitrophenol	625.1	51.7	50.0	103	51.5	50.0	103	1-191	<1	132
2,4-Dinitrotoluene	625.1	42.9	50.0	86	42.9	50.0	86	39-139	<1	42
2,6-Dinitrotoluene	625.1	43.9	50.0	88	44.0	50.0	88	50-158	<1	48
2-Chloronaphthalene	625.1	36.9	50.0	74	35.8	50.0	72	60-120	3	24
2-Chlorophenol	625.1	37.4	50.0	75	34.1	50.0	68	23-134	9	61
2-Methylnaphthalene	625.1	34.6	50.0	69	34.0	50.0	68	34-102	2	30
2-Methylphenol	625.1	33.0	50.0	66	31.7	50.0	63	47-100	4	30
2-Nitroaniline	625.1	46.7 J	50.0	93	48.4 J	50.0	97	52-133	3	30
2-Nitrophenol	625.1	39.4	50.0	79	38.9	50.0	78	29-182	1	55
3,3'-Dichlorobenzidine	625.1	37.1	50.0	74	37.4	50.0	75	1-262	<1	108
3- and 4-Methylphenol Coelution	625.1	29.8	50.0	60	27.6	50.0	55	40-92	8	30
3-Nitroaniline	625.1	33.2 J	50.0	66	31.9 J	50.0	64	42-111	4	30
4,6-Dinitro-2-methylphenol	625.1	44.4 J	50.0	89	42.8 J	50.0	86	1-181	4	203
4-Bromophenyl Phenyl Ether	625.1	48.6	50.0	97	49.6	50.0	99	53-127	2	43
4-Chloro-3-methylphenol	625.1	42.0	50.0	84	42.2	50.0	84	22-147	<1	73
4-Chloroaniline	625.1	38.0	50.0	76	35.5	50.0	71	44-109	7	30
4-Chlorophenyl Phenyl Ether	625.1	47.1	50.0	94	45.5	50.0	91	25-158	4	61
4-Nitroaniline	625.1	40.8 J	50.0	82	40.3 J	50.0	81	54-133	1	30
4-Nitrophenol	625.1	22.7 J	50.0	45	23.7 J	50.0	47	1-132	4	131
Acenaphthene	625.1	38.3	50.0	77	38.1	50.0	76	47-145	<1	48
Acenaphthylene	625.1	40.3	50.0	81	40.2	50.0	80	33-145	<1	74
Anthracene	625.1	46.2	50.0	92	47.2	50.0	94	27-133	2	66
Benz(a)anthracene	625.1	43.2	50.0	86	45.0	50.0	90	33-143	4	53
Benzidine	625.1	91.8 J	150	61	80.2 J	150	53	10-99	13	30
Benzo(a)pyrene	625.1	46.0	50.0	92	47.1	50.0	94	17-163	2	72
Benzo(b)fluoranthene	625.1	42.4	50.0	85	43.6	50.0	87	24-159	3	71
Benzo(g,h,i)perylene	625.1	59.8	50.0	120	62.5	50.0	125	1-219	4	97

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/07/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample RQ1904141-04				Duplicate Lab Control Sample RQ1904141-05				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzo(k)fluoranthene	625.1	45.7	50.0	91	46.8	50.0	94	11-162	2	63
Benzyl Alcohol	625.1	41.2	50.0	82	39.1	50.0	78	31-109	5	30
2,2'-Oxybis(1-chloropropane)	625.1	57.4	50.0	115	54.7	50.0	109	36-166	5	76
Bis(2-chloroethoxy)methane	625.1	47.6	50.0	95	47.2	50.0	94	33-184	<1	54
Bis(2-chloroethyl) Ether	625.1	43.0	50.0	86	41.1	50.0	82	12-158	5	108
Bis(2-ethylhexyl) Phthalate	625.1	41.9	50.0	84	42.5	50.0	85	8-158	1	82
Butyl Benzyl Phthalate	625.1	40.3	50.0	81	41.4	50.0	83	1-152	3	60
Carbazole	625.1	46.6	50.0	93	48.1	50.0	96	56-139	3	30
Chrysene	625.1	46.0	50.0	92	47.0	50.0	94	17-168	2	87
Di-n-butyl Phthalate	625.1	45.5	50.0	91	47.1	50.0	94	1-120	3	47
Di-n-octyl Phthalate	625.1	39.3	50.0	79	40.9	50.0	82	4-146	4	69
Dibenz(a,h)anthracene	625.1	40.0	50.0	80	41.6	50.0	83	1-200	4	126
Dibenzofuran	625.1	41.6	50.0	83	40.8	50.0	82	55-110	2	30
Diethyl Phthalate	625.1	39.7	50.0	79	39.0	50.0	78	1-120	2	100
Dimethyl Phthalate	625.1	39.5	50.0	79	40.1	50.0	80	1-120	1	183
Fluoranthene	625.1	47.9	50.0	96	49.9	50.0	100	26-137	4	66
Fluorene	625.1	42.6	50.0	85	42.0	50.0	84	59-121	1	38
Hexachlorobenzene	625.1	46.6	50.0	93	48.3	50.0	97	1-152	4	55
Hexachlorobutadiene	625.1	33.6	50.0	67	32.0	50.0	64	24-120	5	62
Hexachlorocyclopentadiene	625.1	26.3	50.0	53	24.0	50.0	48	10-99	9	30
Hexachloroethane	625.1	29.2	50.0	58	27.5	50.0	55	40-120	6	52
Indeno(1,2,3-cd)pyrene	625.1	44.4	50.0	89	43.8	50.0	88	1-171	1	99
Isophorone	625.1	45.9	50.0	92	46.1	50.0	92	21-196	<1	93
N-Nitrosodi-n-propylamine	625.1	43.7	50.0	87	43.0	50.0	86	1-200	2	87
N-Nitrosodimethylamine	625.1	25.8	50.0	52	23.3	50.0	47	31-70	10	30
N-Nitrosodiphenylamine	625.1	48.5	50.0	97	46.9	50.0	94	45-123	3	30
Naphthalene	625.1	34.4	50.0	69	32.6	50.0	65	21-133	5	65
Nitrobenzene	625.1	41.6	50.0	83	40.5	50.0	81	35-180	3	62
Pentachlorophenol (PCP)	625.1	64.5	50.0	129	67.3	50.0	135	14-176	4	86
Phenanthrene	625.1	43.8	50.0	88	44.5	50.0	89	54-120	2	39
Phenol	625.1	18.6	50.0	37	18.1	50.0	36	5-120	2	64
Pyrene	625.1	43.6	50.0	87	44.3	50.0	89	52-120	2	49

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/13/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample				Duplicate Lab Control Sample				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
1,2,4-Trichlorobenzene	625.1	27.3	50.0	55	25.0	50.0	50	44-142	9	50
1,2-Diphenylhydrazine	625.1	43.0	50.0	86	40.7	50.0	81	51-110	5	30
2,4,5-Trichlorophenol	625.1	36.7	50.0	73	35.8	50.0	72	48-134	3	30
2,4,6-Trichlorophenol	625.1	35.4	50.0	71	35.7	50.0	71	37-144	1	58
2,4-Dichlorophenol	625.1	31.0	50.0	62	28.8	50.0	58	39-135	7	50
2,4-Dimethylphenol	625.1	31.5	50.0	63	32.3	50.0	65	32-120	2	58
2,4-Dinitrophenol	625.1	40.8 J	50.0	82	39.5 J	50.0	79	1-191	3	132
2,4-Dinitrotoluene	625.1	35.3	50.0	71	35.2	50.0	70	39-139	<1	42
2,6-Dinitrotoluene	625.1	36.4	50.0	73	35.1	50.0	70	50-158	4	48
2-Chloronaphthalene	625.1	32.7	50.0	65	31.1	50.0	62	60-120	5	24
2-Chlorophenol	625.1	27.9	50.0	56	27.7	50.0	55	23-134	<1	61
2-Methylnaphthalene	625.1	29.8	50.0	60	27.2	50.0	54	34-102	9	30
2-Methylphenol	625.1	25.4	50.0	51	26.1	50.0	52	47-100	3	30
2-Nitroaniline	625.1	36.8 J	50.0	74	37.2 J	50.0	74	52-133	<1	30
2-Nitrophenol	625.1	31.7	50.0	63	29.8	50.0	60	29-182	6	55
3,3'-Dichlorobenzidine	625.1	34.4	50.0	69	32.9	50.0	66	1-262	5	108
3- and 4-Methylphenol Coelution	625.1	22.6	50.0	45	22.8	50.0	46	40-92	<1	30
3-Nitroaniline	625.1	30.6 J	50.0	61	30.2 J	50.0	60	42-111	1	30
4,6-Dinitro-2-methylphenol	625.1	35.7 J	50.0	71	33.5 J	50.0	67	1-181	6	203
4-Bromophenyl Phenyl Ether	625.1	43.9	50.0	88	41.5	50.0	83	53-127	6	43
4-Chloro-3-methylphenol	625.1	31.4	50.0	63	31.2	50.0	62	22-147	<1	73
4-Chloroaniline	625.1	31.4	50.0	63	29.1	50.0	58	44-109	7	30
4-Chlorophenyl Phenyl Ether	625.1	39.7	50.0	79	38.3	50.0	77	25-158	4	61
4-Nitroaniline	625.1	33.6 J	50.0	67	34.5 J	50.0	69	54-133	3	30
4-Nitrophenol	625.1	15.3 J	50.0	31	18.3 J	50.0	37	1-132	18	131
Acenaphthene	625.1	33.2	50.0	66	31.8	50.0	64	47-145	4	48
Acenaphthylene	625.1	34.8	50.0	70	33.5	50.0	67	33-145	4	74
Anthracene	625.1	38.8	50.0	78	37.0	50.0	74	27-133	5	66
Benz(a)anthracene	625.1	37.0	50.0	74	35.1	50.0	70	33-143	5	53
Benzidine	625.1	48.0 J	150	32	52.1 J	150	35	10-99	8	30
Benzo(a)pyrene	625.1	39.6	50.0	79	37.6	50.0	75	17-163	5	72
Benzo(b)fluoranthene	625.1	36.3	50.0	73	34.6	50.0	69	24-159	5	71
Benzo(g,h,i)perylene	625.1	48.8	50.0	98	46.2	50.0	92	1-219	6	97

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Analyzed: 05/13/19

Duplicate Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Analyte Name	Lab Control Sample RQ1904334-02				Duplicate Lab Control Sample RQ1904334-03				RPD	RPD Limit
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzo(k)fluoranthene	625.1	38.9	50.0	78	36.7	50.0	73	11-162	6	63
Benzyl Alcohol	625.1	28.2	50.0	56	29.3	50.0	59	31-109	4	30
2,2'-Oxybis(1-chloropropane)	625.1	43.2	50.0	86	43.6	50.0	87	36-166	<1	76
Bis(2-chloroethoxy)methane	625.1	36.5	50.0	73	34.7	50.0	69	33-184	5	54
Bis(2-chloroethyl) Ether	625.1	33.4	50.0	67	33.2	50.0	66	12-158	<1	108
Bis(2-ethylhexyl) Phthalate	625.1	36.1	50.0	72	34.4	50.0	69	8-158	5	82
Butyl Benzyl Phthalate	625.1	35.5	50.0	71	32.4	50.0	65	1-152	9	60
Carbazole	625.1	40.7	50.0	81	38.6	50.0	77	56-139	5	30
Chrysene	625.1	38.5	50.0	77	37.3	50.0	75	17-168	3	87
Di-n-butyl Phthalate	625.1	40.2	50.0	80	38.2	50.0	76	1-120	5	47
Di-n-octyl Phthalate	625.1	37.4	50.0	75	34.7	50.0	69	4-146	7	69
Dibenz(a,h)anthracene	625.1	33.4	50.0	67	31.9	50.0	64	1-200	5	126
Dibenzofuran	625.1	36.1	50.0	72	34.3	50.0	69	55-110	5	30
Diethyl Phthalate	625.1	32.3	50.0	65	31.5	50.0	63	1-120	2	100
Dimethyl Phthalate	625.1	34.5	50.0	69	33.5	50.0	67	1-120	3	183
Fluoranthene	625.1	41.7	50.0	83	39.7	50.0	79	26-137	5	66
Fluorene	625.1	36.4	50.0	73	34.9	50.0	70	59-121	4	38
Hexachlorobenzene	625.1	41.5	50.0	83	39.2	50.0	78	1-152	6	55
Hexachlorobutadiene	625.1	28.4	50.0	57	26.7	50.0	53	24-120	6	62
Hexachlorocyclopentadiene	625.1	20.6	50.0	41	19.6	50.0	39	10-99	5	30
Hexachloroethane	625.1	27.0	50.0	54	25.9	50.0	52	40-120	4	52
Indeno(1,2,3-cd)pyrene	625.1	38.8	50.0	78	37.8	50.0	76	1-171	3	99
Isophorone	625.1	35.7	50.0	71	34.1	50.0	68	21-196	5	93
N-Nitrosodi-n-propylamine	625.1	34.0	50.0	68	33.1	50.0	66	1-200	3	87
N-Nitrosodimethylamine	625.1	19.5	50.0	39	20.3	50.0	41	31-70	4	30
N-Nitrosodiphenylamine	625.1	40.7	50.0	81	39.2	50.0	78	45-123	4	30
Naphthalene	625.1	28.4	50.0	57	26.2	50.0	52	21-133	8	65
Nitrobenzene	625.1	30.0	50.0	60	28.5	50.0	57	35-180	5	62
Pentachlorophenol (PCP)	625.1	56.8	50.0	114	54.2	50.0	108	14-176	5	86
Phenanthrene	625.1	37.1	50.0	74	35.5	50.0	71	54-120	4	39
Phenol	625.1	14.8	50.0	30	14.8	50.0	30	5-120	<1	64
Pyrene	625.1	36.5	50.0	73	34.2	50.0	68	52-120	6	49

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/07/19 11:30

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\050719\DR943.D\
Instrument ID: R-MS-51

Analytical Method: 625.1
Analysis Lot: 634532

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	45.01	37256	Pass
68	69	0.00	2	1.30	533	Pass
69	198	0.00	100	49.45	40935	Pass
70	69	0.00	2	0.80	327	Pass
127	198	40	60	55.00	45528	Pass
197	198	0.00	1	0.00	0	Pass
198	198	100	100	100.00	82779	Pass
199	198	5	9	6.53	5406	Pass
275	198	10	30	23.16	19171	Pass
365	198	1	100	2.44	2016	Pass
441	443	0.01	100	98.79	12872	Pass
442	198	50	500	81.27	67274	Pass
443	442	17	23	19.37	13029	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904308-02	I:\ACQUADATA\5973A\DATA\050719\DR944.D\	05/07/19 11:50	
Method Blank	RQ1904141-03	I:\ACQUADATA\5973A\DATA\050719\DR957.D\	05/07/19 18:08	
Lab Control Sample	RQ1904141-04	I:\ACQUADATA\5973A\DATA\050719\DR958.D\	05/07/19 18:38	
Duplicate Lab Control Sample	RQ1904141-05	I:\ACQUADATA\5973A\DATA\050719\DR959.D\	05/07/19 19:07	
IDW-2	R1903956-001	I:\ACQUADATA\5973A\DATA\050719\DR972.D\	05/08/19 01:16	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/13/19 08:13

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUADATA\5973A\DATA\051319\DS001.D\
Instrument ID: R-MS-51

Analytical Method: 625.1
Analysis Lot: 635338

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	45.26	69158	Pass
68	69	0.00	2	0.00	0	Pass
69	198	0.00	100	49.54	75692	Pass
70	69	0.00	2	0.07	54	Pass
127	198	40	60	54.10	82654	Pass
197	198	0.00	1	0.00	0	Pass
198	198	100	100	100.00	152792	Pass
199	198	5	9	7.15	10921	Pass
275	198	10	30	19.81	30272	Pass
365	198	1	100	2.42	3701	Pass
441	443	0.01	100	93.89	17704	Pass
442	198	50	500	61.27	93616	Pass
443	442	17	23	20.14	18856	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904520-02	I:\ACQUADATA\5973A\DATA\051319\DS002.D\	05/13/19 08:41	
Method Blank	RQ1904334-01	I:\ACQUADATA\5973A\DATA\051319\DS004.D\	05/13/19 09:38	
Lab Control Sample	RQ1904334-02	I:\ACQUADATA\5973A\DATA\051319\DS005.D\	05/13/19 10:07	
Duplicate Lab Control Sample	RQ1904334-03	I:\ACQUADATA\5973A\DATA\051319\DS006.D\	05/13/19 10:36	

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QC/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/15/19 06:55

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051519\DS024.D\
Instrument ID: R-MS-51

Analytical Method: 625.1
Analysis Lot: 635364

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	42.11	43037	Pass
68	69	0.00	2	1.13	553	Pass
69	198	0.00	100	47.94	48995	Pass
70	69	0.00	2	0.45	222	Pass
127	198	40	60	55.45	56664	Pass
197	198	0.00	1	0.56	575	Pass
198	198	100	100	100.00	102195	Pass
199	198	5	9	7.20	7360	Pass
275	198	10	30	22.27	22762	Pass
365	198	1	100	2.43	2481	Pass
441	443	0.01	100	96.85	17668	Pass
442	198	50	500	90.75	92747	Pass
443	442	17	23	19.67	18242	Pass

Sample Name	Lab Code	File ID:	Date Analyzed:	Q
Continuing Calibration Verification	RQ1904605-02	I:\ACQUDATA\5973A\DATA\051519\DS025.D\	05/15/19 07:30	
IDW-2	R1903956-001	I:\ACQUDATA\5973A\DATA\051519\DS030.D\	05/15/19 09:54	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/07/19 11:50

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\050719\DR944.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904308-02
Analysis Lot:634532
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	133,406	4.73	245,564	7.61	363,613	12.35
Upper Limit ==>	266,812	5.23	491,128	8.11	727,226	12.85
Lower Limit ==>	66,703	4.23	122,782	7.11	181,807	11.85

Associated Analyses

Method Blank	RQ1904141-03	110274	4.73	201078	7.60	296616	12.34
Lab Control Sample	RQ1904141-04	107990	4.73	204770	7.61	312382	12.34
Duplicate Lab Control Sample	RQ1904141-05	110313	4.73	207783	7.60	309520	12.35
IDW-2	R1903956-001	120462	4.74	242391	7.61	322605	12.39

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/07/19 11:50

Internal Standard Area and RT SUMMARY
Semivolatiles Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\050719\DR944.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904308-02
Analysis Lot:634532
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	486,906	5.90	350,060	15.28	391,759	9.08
Upper Limit ==>	973,812	6.40	700,120	15.78	783,518	9.58
Lower Limit ==>	243,453	5.40	175,030	14.78	195,880	8.58

Associated Analyses

		Area	RT	Area	RT	Area	RT
Method Blank	RQ1904141-03	401963	5.90	295236	15.27	322399	9.08
Lab Control Sample	RQ1904141-04	416241	5.90	299840	15.28	299342	9.08
Duplicate Lab Control Sample	RQ1904141-05	419251	5.90	300133	15.28	300414	9.08
IDW-2	R1903956-001	446090	5.91	285918	15.41	390724	9.08

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904520-02
Analysis Lot:635338
Signal ID:1

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	Area	RT	Area	RT	Area	RT
Result ==>	164,546	4.73	301,006	7.61	428,068	12.36
Upper Limit ==>	329,092	5.23	602,012	8.11	856,136	12.86
Lower Limit ==>	82,273	4.23	150,503	7.11	214,034	11.86

Associated Analyses

Method Blank	RQ1904334-01	144115	4.74	263517	7.61	391086	12.35
Lab Control Sample	RQ1904334-02	139773	4.73	269101	7.61	405052	12.35
Duplicate Lab Control Sample	RQ1904334-03	143987	4.73	277100	7.61	427340	12.35

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/13/19 08:41

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051319\DS002.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904520-02
Analysis Lot:635338
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
Result ==>	628,353	5.90	421,409	15.31	470,232	9.09
Upper Limit ==>	1,256,706	6.40	842,818	15.81	940,464	9.59
Lower Limit ==>	314,177	5.40	210,705	14.81	235,116	8.59

Associated Analyses

Method Blank	RQ1904334-01	520257	5.90	382993	15.29	422100	9.08
Lab Control Sample	RQ1904334-02	565034	5.90	385979	15.30	385845	9.08
Duplicate Lab Control Sample	RQ1904334-03	594044	5.90	412551	15.29	402049	9.08

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/15/19 07:30

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051519\DS025.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904605-02
Analysis Lot:635364
Signal ID:1

		1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
		Area	RT	Area	RT	Area	RT
Result ==>		171,103	4.73	333,349	7.61	485,964	12.37
Upper Limit ==>		342,206	5.23	666,698	8.11	971,928	12.87
Lower Limit ==>		85,552	4.23	166,675	7.11	242,982	11.87
Associated Analyses							
IDW-2	R1903956-001	144401	4.74	276379	7.61	402894	12.40

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956
Date Analyzed:05/15/19 07:30

Internal Standard Area and RT SUMMARY
Semivolatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\051519\DS025.D\
Instrument ID: R-MS-51
Analysis Method: 625.1

Lab Code:RQ1904605-02
Analysis Lot:635364
Signal ID:1

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10		
	Area	RT	Area	RT	Area	RT	
Result ==>	674,230	5.90	468,885	15.31	520,110	9.09	
Upper Limit ==>	1,348,460	6.40	937,770	15.81	1,040,220	9.59	
Lower Limit ==>	337,115	5.40	234,443	14.81	260,055	8.59	
Associated Analyses							
IDW-2	R1903956-001	525763	5.91	358479	15.44	459480	9.08



Raw Data

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
1,1,2,2-Tetrachloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1,2-Trichloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1-Dichloroethane (1,1-DCA)	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,1-Dichloroethene (1,1-DCE)	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
1,2,3-Trichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2,4-Trichlorobenzene	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
1,2-Dibromo-3-chloropropane (DBCP)	1.13 U	2.50	1.13	2.5	05/07/19 15:41	
1,2-Dibromoethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichloroethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,2-Dichloropropane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,3-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,4-Dichlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
1,4-Dioxane	32.5 U	100	32.5	2.5	05/07/19 15:41	
2-Butanone (MEK)	104	12.5	1.95	2.5	05/07/19 15:41	
2-Hexanone	14.4	12.5	0.500	2.5	05/07/19 15:41	
4-Methyl-2-pentanone	8.98 J	12.5	0.500	2.5	05/07/19 15:41	
Acetone	297	12.5	5.25	2.5	05/07/19 15:41	
Benzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Bromodichloromethane	0.550 U	2.50	0.550	2.5	05/07/19 15:41	
Bromoform	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
Bromomethane	1.75 U	2.50	1.75	2.5	05/07/19 15:41	
Carbon Disulfide	0.625 U	2.50	0.625	2.5	05/07/19 15:41	
Carbon Tetrachloride	0.850 U	2.50	0.850	2.5	05/07/19 15:41	
Chlorobenzene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Chloroethane	1.28 J	2.50	0.575	2.5	05/07/19 15:41	
Chloroform	0.600 U	2.50	0.600	2.5	05/07/19 15:41	
Chloromethane	0.700 U	2.50	0.700	2.5	05/07/19 15:41	
Cyclohexane	104	2.50	0.650	2.5	05/07/19 15:41	
Dibromochloromethane	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Dichlorodifluoromethane (CFC 12)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
Dichloromethane	0.900 U	2.50	0.900	2.5	05/07/19 15:41	
Ethylbenzene	2.88	2.50	0.500	2.5	05/07/19 15:41	
Isopropylbenzene (Cumene)	16.8	2.50	0.500	2.5	05/07/19 15:41	
Methyl tert-Butyl Ether	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Styrene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Tetrachloroethene (PCE)	0.525 U	2.50	0.525	2.5	05/07/19 15:41	
Toluene	0.650 J	2.50	0.500	2.5	05/07/19 15:41	
Trichloroethene (TCE)	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
Trichlorofluoromethane (CFC 11)	0.600 U	2.50	0.600	2.5	05/07/19 15:41	
Vinyl Chloride	0.500 U	2.50	0.500	2.5	05/07/19 15:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 624.1
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
cis-1,2-Dichloroethene	0.575 U	2.50	0.575	2.5	05/07/19 15:41	
cis-1,3-Dichloropropene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
m,p-Xylenes	1.13 J	5.00	0.500	2.5	05/07/19 15:41	
o-Xylene	0.600 J	2.50	0.500	2.5	05/07/19 15:41	
trans-1,2-Dichloroethene	0.500 U	2.50	0.500	2.5	05/07/19 15:41	
trans-1,3-Dichloropropene	0.575 U	2.50	0.575	2.5	05/07/19 15:41	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	05/07/19 15:41	
Dibromofluoromethane	99	89 - 119	05/07/19 15:41	
Toluene-d8	101	87 - 121	05/07/19 15:41	

Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0926.D
 Acq On : 7 May 2019 3:41 pm
 Operator : D.LIPANI
 Sample : R1903956-001|2.5 Inst : MSVOA10
 Misc : Day 624.1 19371 T4
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 08 22:27:07 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	252216	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	392744	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	343150	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	176940	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	127283	49.48	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	98.96%		
46) surr1,1,2-dichloroetha...	5.781	65	178625	49.24	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	98.48%		
64) SURR3,Toluene-d8	8.311	98	535875	50.33	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	100.66%		
69) SURR2,BFB	10.878	95	204327	49.59	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	99.18%		
Target Compounds						
						Qvalue
3) Chloromethane	1.276	50	1114	0.23	ug/L	98
5) Bromomethane	1.575	94	385	Below Cal	#	32
6) Chloroethane	1.660	64	1400	0.51	ug/L	81
15) Acetone	2.324	43	213336	118.89	ug/L	100
16) 2-Propanol	2.459	45	5422	14.50	ug/L	98
21) Methyl Acetate	2.635	43	1388	0.37	ug/L	82
23) TBA	2.867	59	2236	3.99	ug/L	73
34) 2-Butanone	4.409	43	95442	41.62	ug/L	97
42) Cyclohexane	5.348	41	146105	41.57	ug/L	86
51) n-Heptane	6.354	43	175610	39.13	ug/L	84
54) Methylcyclohexane	7.055	55	562088	133.18	ug/L	89
63) 4-Methyl-2-pentanone	8.220	43	15475	3.59	ug/L	93
65) Toluene	8.384	91	3262	0.26	ug/L	82
72) 2-Hexanone	9.134	43	19075	5.75	ug/L	97
79) 4-Chlorobenzotrifluoride	9.902	180	883	0.25	ug/L	# 80
81) Ethylbenzene	9.951	106	4656	1.15	ug/L	# 82
82) (m+p)Xylene	10.061	106	2362	0.45	ug/L	# 20
83) o-Xylene	10.420	106	1229	0.24	ug/L	# 64
87) Isopropylbenzene	10.756	105	88204	6.71	ug/L	96
94) n-Propylbenzene	11.109	91	275358	17.55	ug/L	98
99) tert-Butylbenzene	11.536	119	6705	0.74	ug/L	88
102) sec-Butylbenzene	11.719	105	54317	3.96	ug/L	96
103) p-Isopropyltoluene	11.841	119	17963	1.61	ug/L	92
108) n-Butylbenzene	12.170	91	117688	10.58	ug/L	100
116) Naphthalen	13.639	128	114256	9.69	ug/L	98

coelution

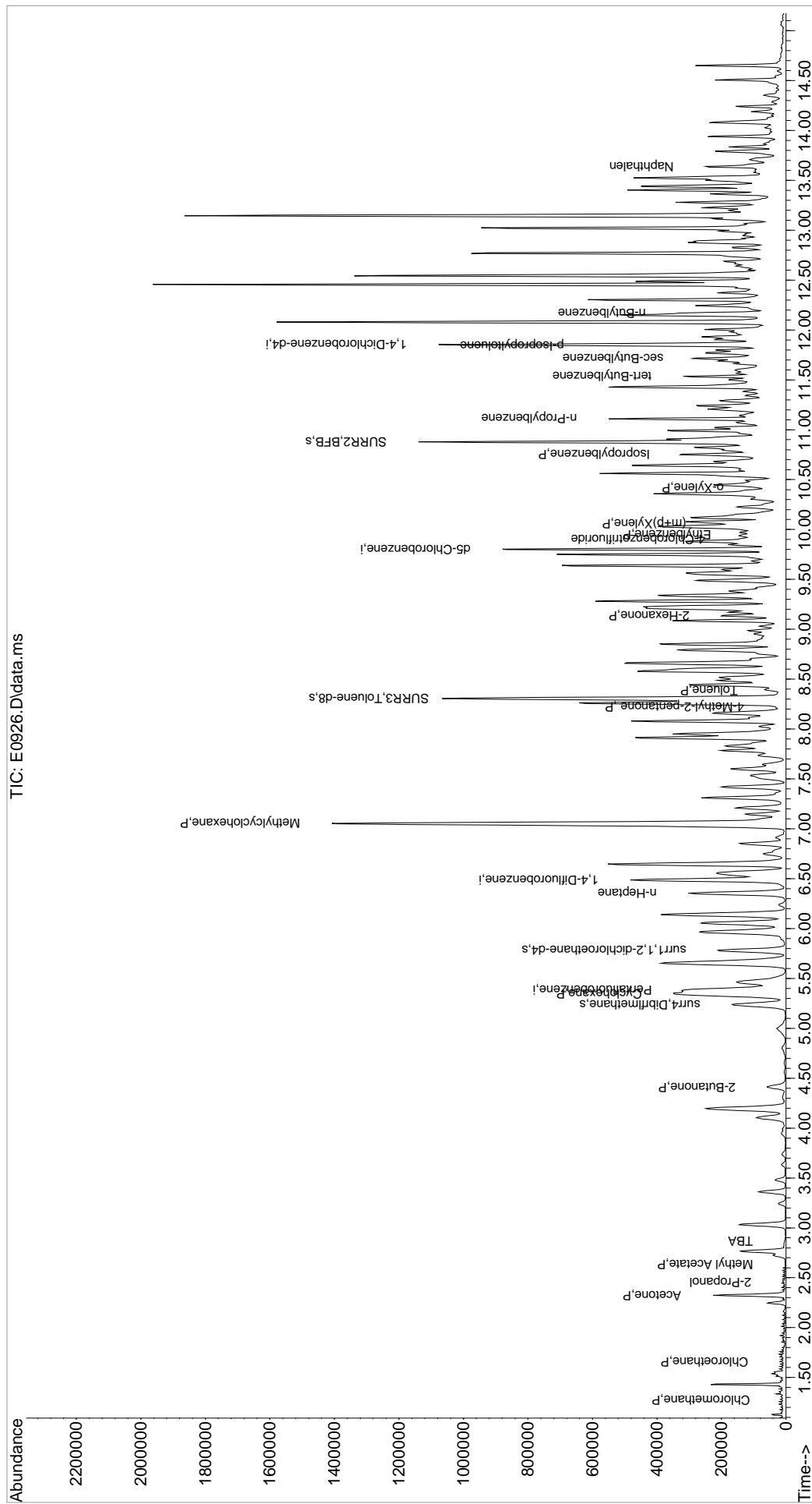
(#) = qualifier out of range (m) = manual integration (+) = signals summed

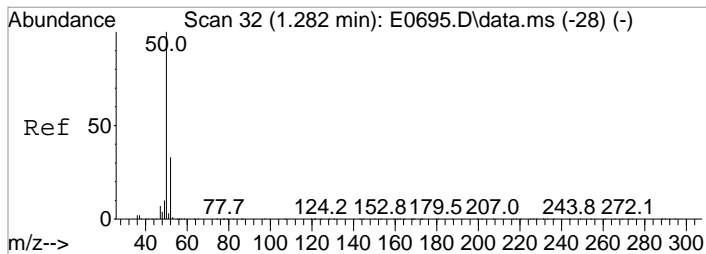
Quantitation Report (QT Reviewed)

Data Path : I:\ACQDATA\msvoa10\data\050719\
 Data File : E0926.D
 Acq On : 7 May 2019 3:41 pm
 Operator : D.LIPANI
 Sample : R1903956-001|2.5
 Misc : Day 624.1 19371 T4
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA10

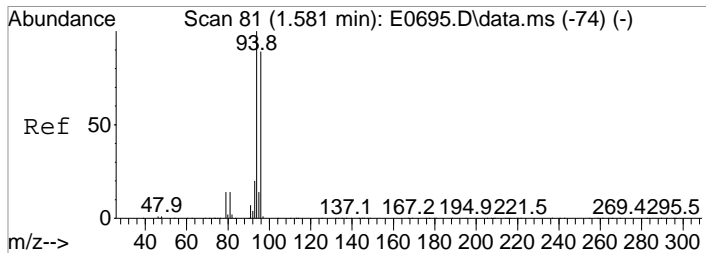
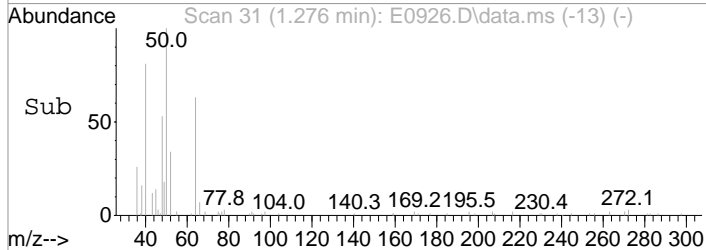
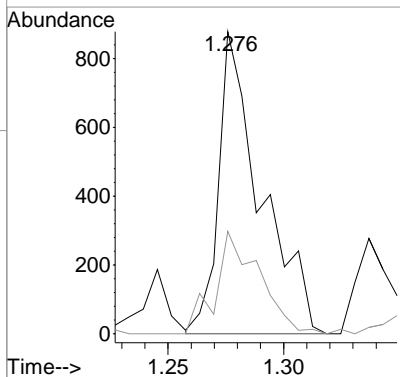
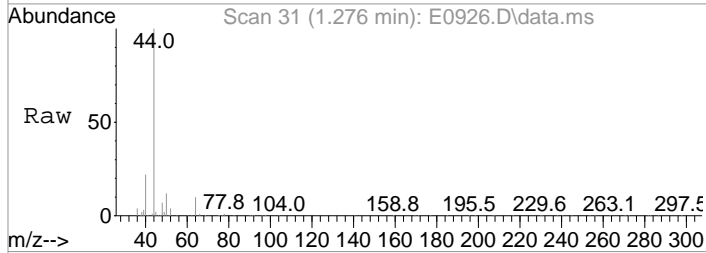
Quant Time: May 08 22:27:07 2019
 Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration





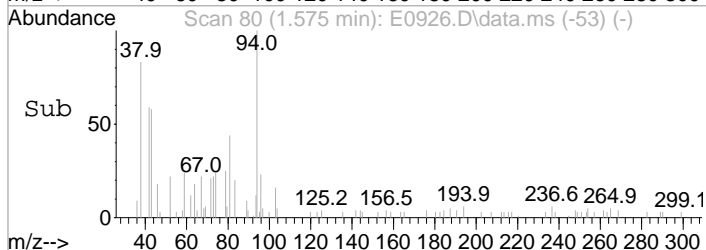
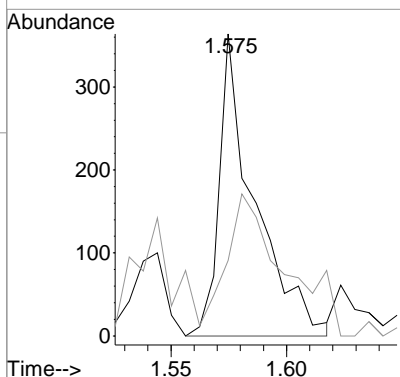
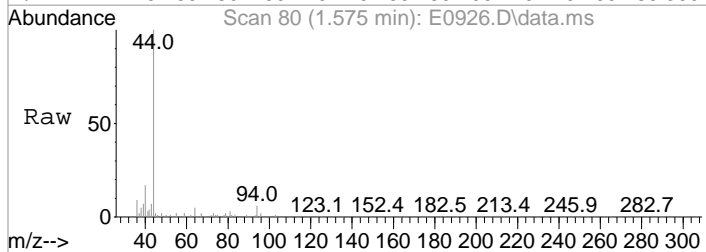
#3
 Chloromethane
 Concen: 0.23 ug/L
 RT: 1.276 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

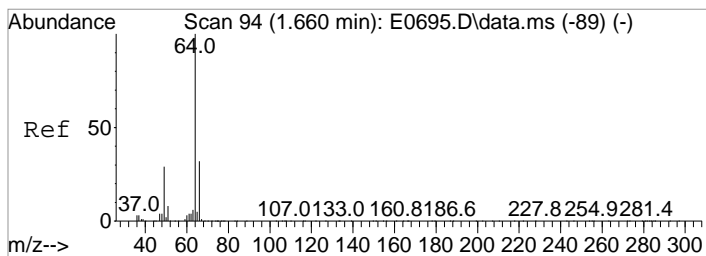
Tgt Ion	Resp	Lower	Upper
50	100		
52	33.9	12.6	52.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.575 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

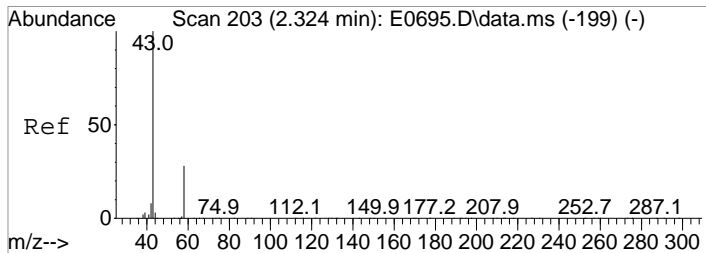
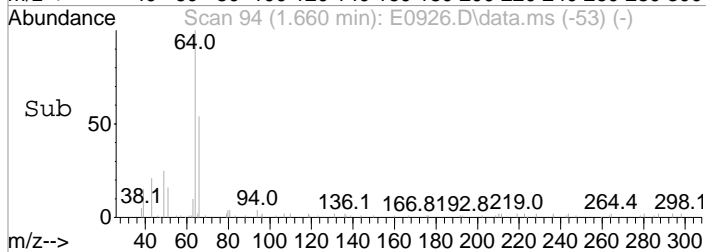
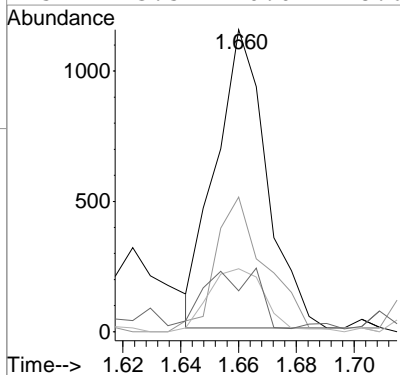
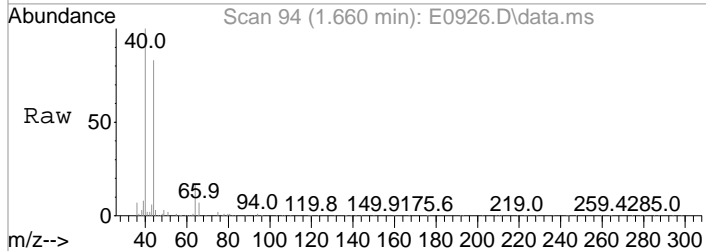
Tgt Ion	Resp	Lower	Upper
94	100		
96	25.0	69.0	109.0#





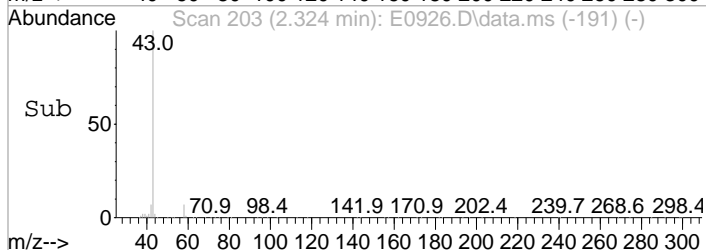
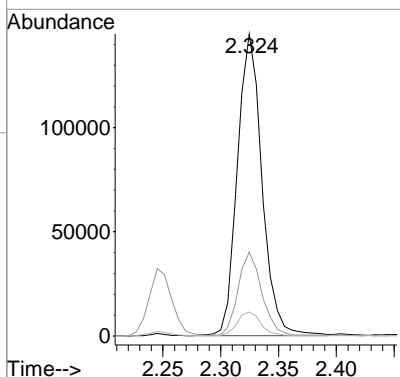
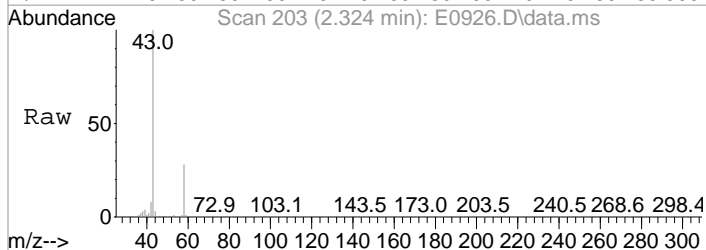
#6
 Chloroethane
 Concen: 0.51 ug/L
 RT: 1.660 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

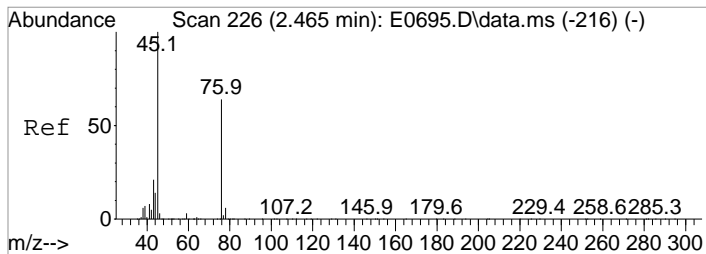
Tgt Ion	Resp	Lower	Upper
64	100		
66	44.6	11.8	51.8
49	20.8	9.3	49.3
51	13.5	0.0	28.6



#15
 Acetone
 Concen: 118.89 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

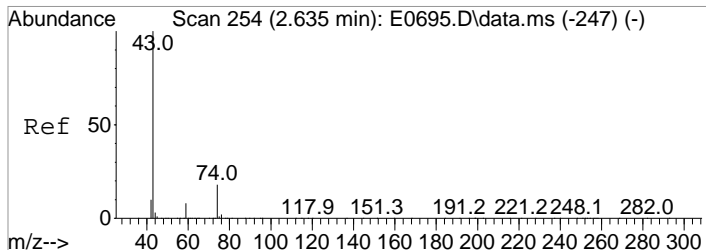
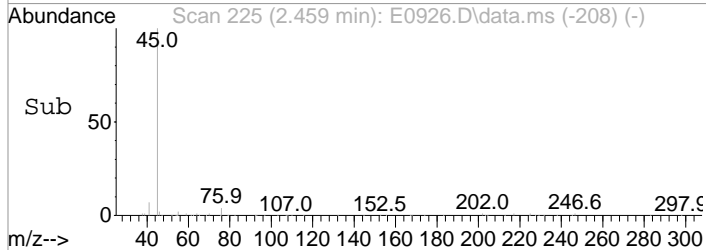
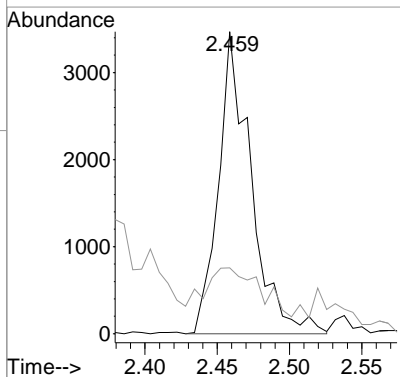
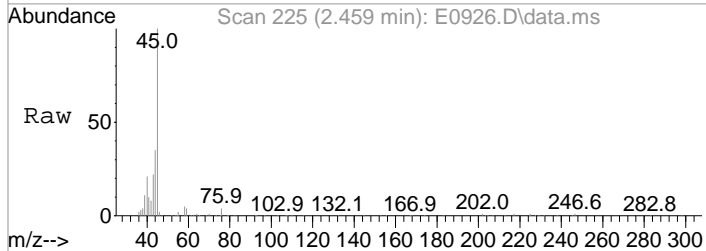
Tgt Ion	Resp	Lower	Upper
43	100		
58	27.7	7.8	47.8
42	7.9	0.0	27.8





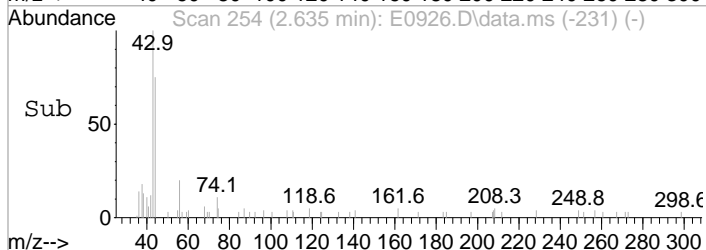
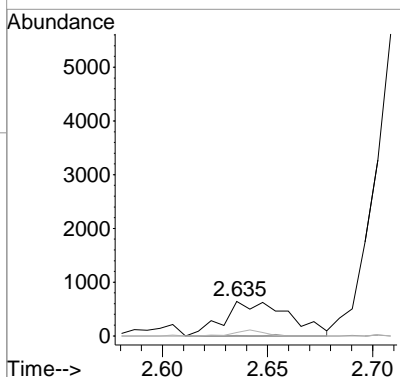
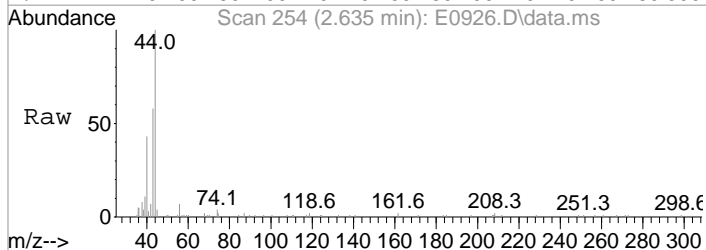
#16
 2-Propanol
 Concen: 14.50 ug/L
 RT: 2.459 min Scan# 225
 Delta R.T. -0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

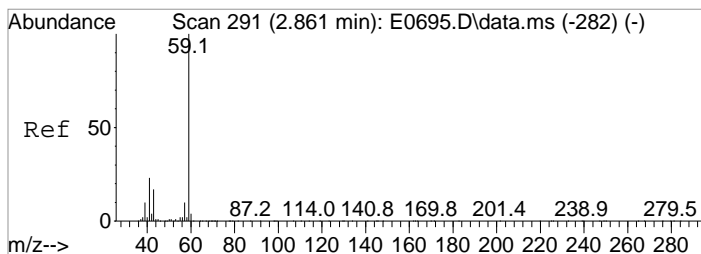
Tgt Ion	Resp	Lower	Upper
45	100		
43	21.8	0.9	40.9



#21
 Methyl Acetate
 Concen: 0.37 ug/L
 RT: 2.635 min Scan# 254
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

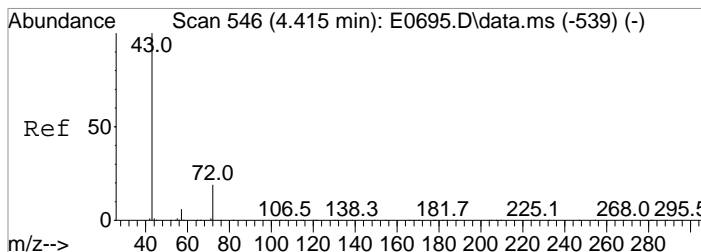
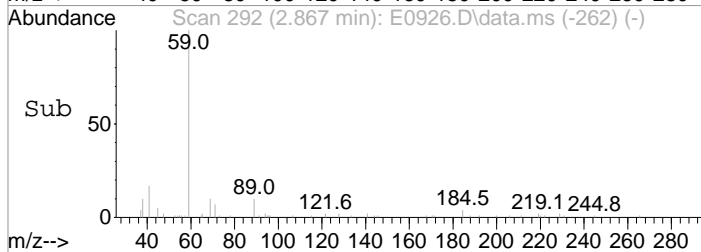
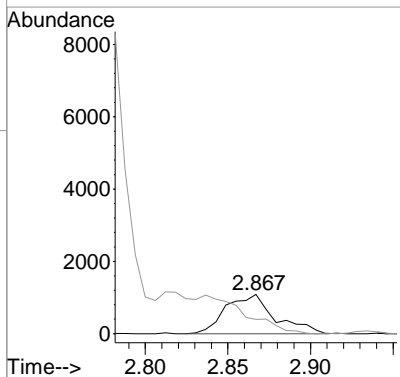
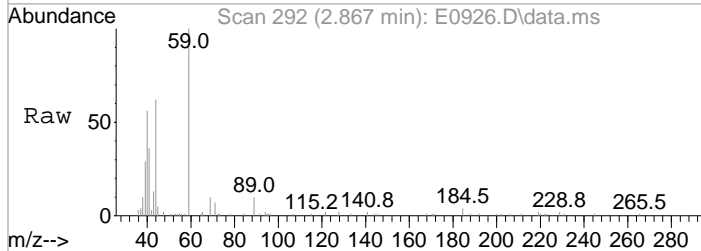
Tgt Ion	Resp	Lower	Upper
43	100		
59	1.9	0.0	27.9
74	9.5	0.0	37.6





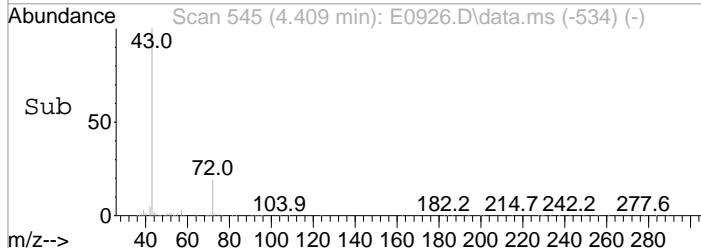
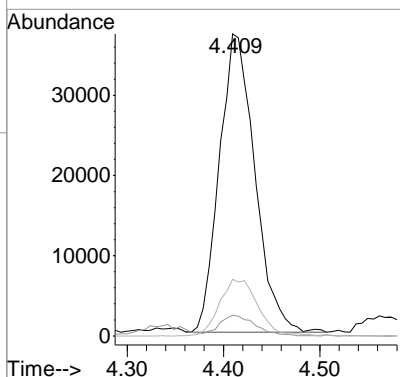
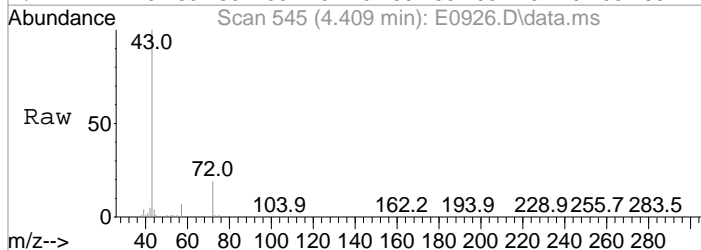
#23
 TBA
 Concen: 3.99 ug/L
 RT: 2.867 min Scan# 292
 Delta R.T. -0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

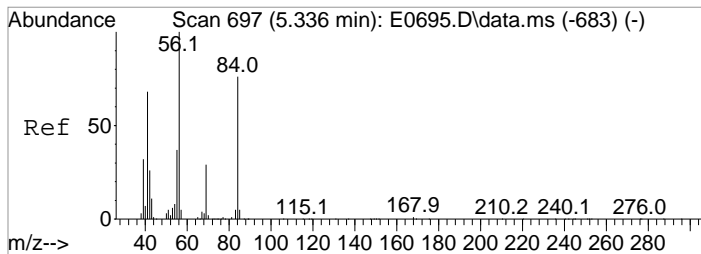
Tgt Ion	Resp	Lower	Upper
59	100		
41	36.4	3.1	43.1



#34
 2-Butanone
 Concen: 41.62 ug/L
 RT: 4.409 min Scan# 545
 Delta R.T. -0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

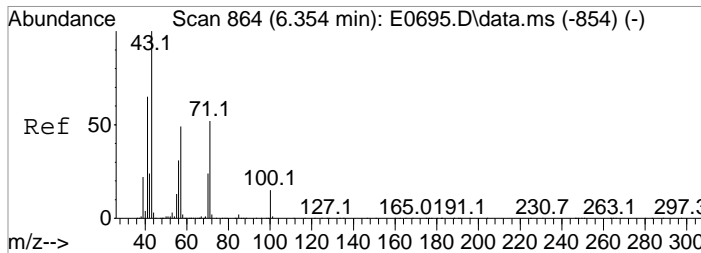
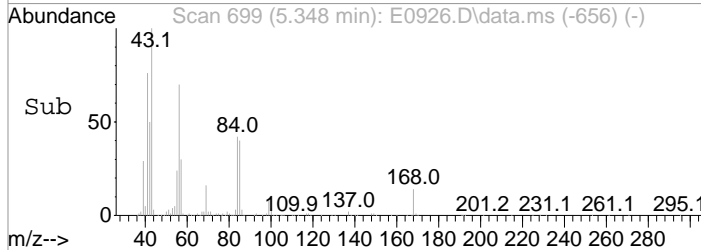
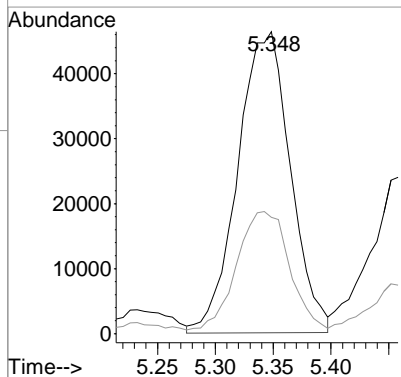
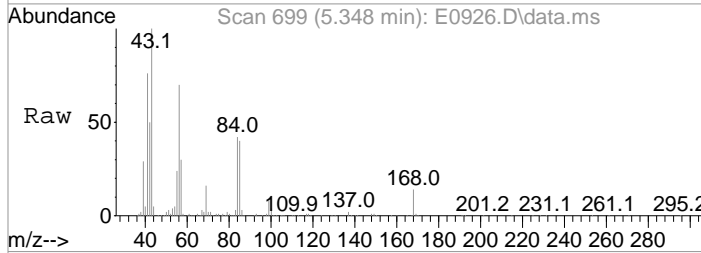
Tgt Ion	Resp	Lower	Upper
43	100		
57	6.9	0.0	25.7
72	18.7	0.0	40.0





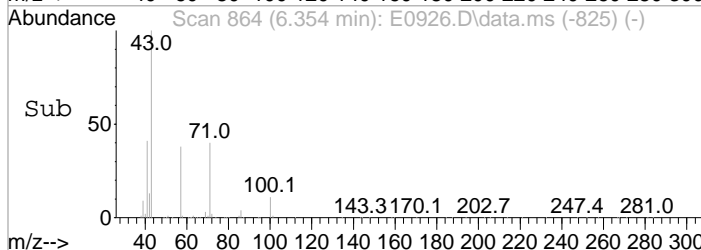
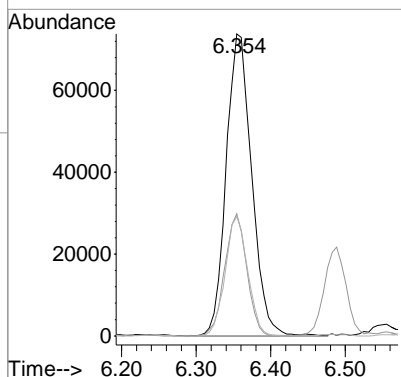
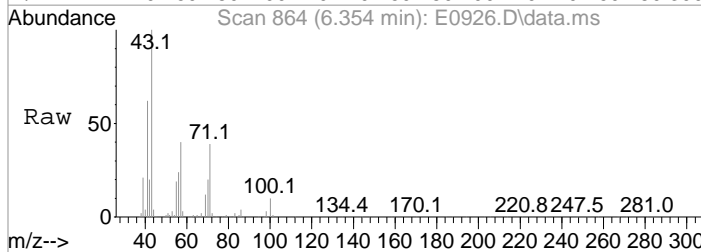
#42
 Cyclohexane
 Concen: 41.57 ug/L
 RT: 5.348 min Scan# 699
 Delta R.T. 0.012 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

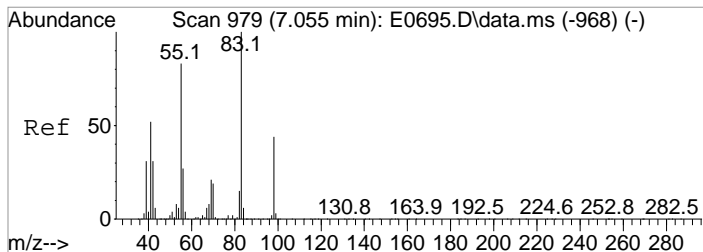
Tgt Ion: 41 Resp: 146105
 Ion Ratio Lower Upper
 41 100
 39 38.5 28.2 68.2



#51
 n-Heptane
 Concen: 39.13 ug/L
 RT: 6.354 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

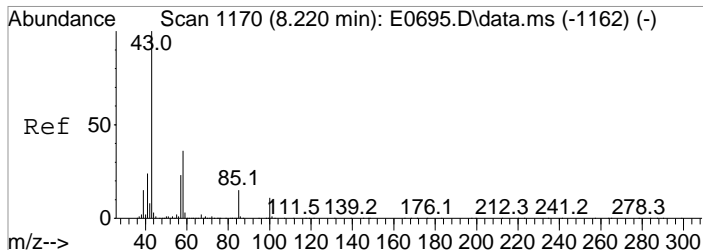
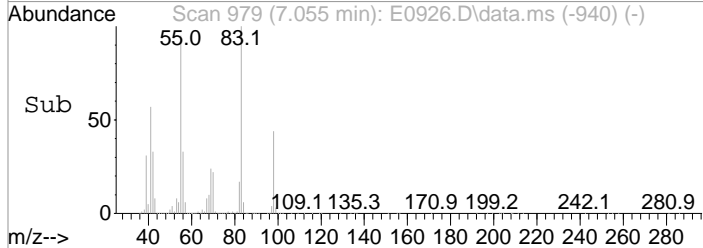
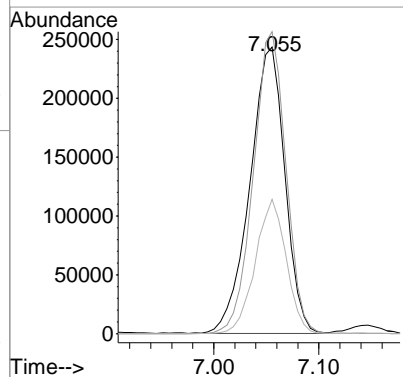
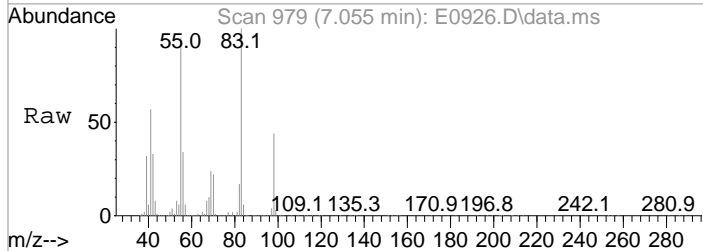
Tgt Ion: 43 Resp: 175610
 Ion Ratio Lower Upper
 43 100
 57 40.4 29.2 69.2
 71 39.5 32.4 72.4





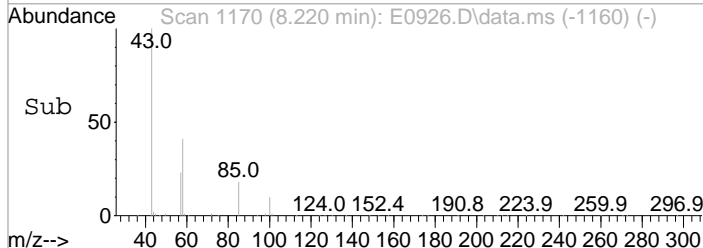
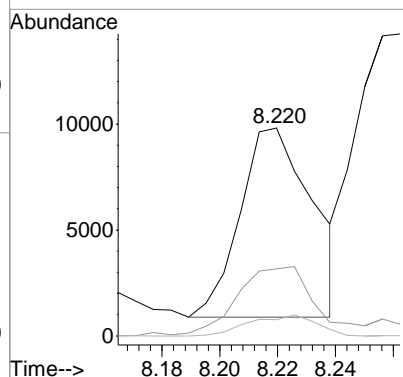
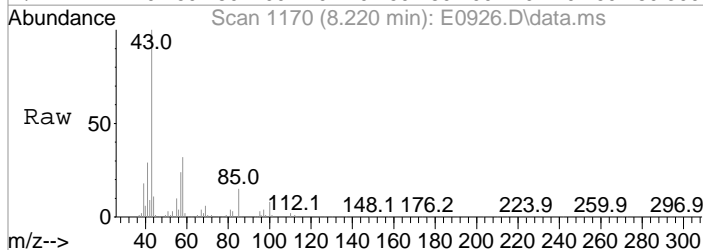
#54
 Methylcyclohexane
 Concen: 133.18 ug/L
 RT: 7.055 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

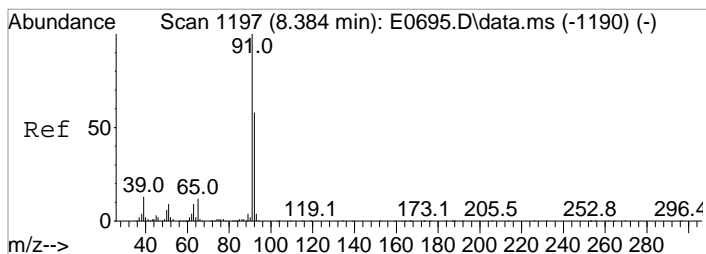
Tgt Ion	Resp	Lower	Upper
55	100		
83	105.4	99.7	139.7
98	46.8	32.6	72.6



#63
 4-Methyl-2-pentanone
 Concen: 3.59 ug/L
 RT: 8.220 min Scan# 1170
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

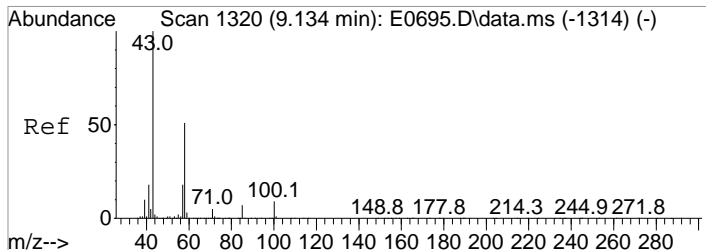
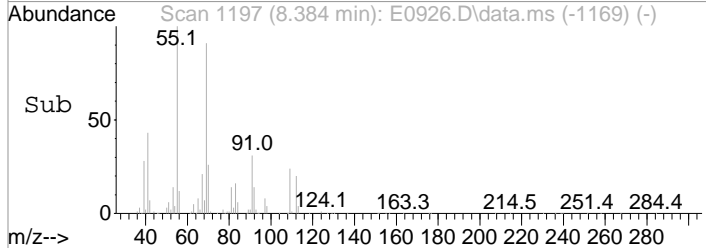
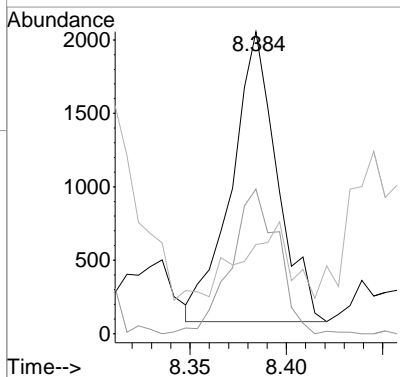
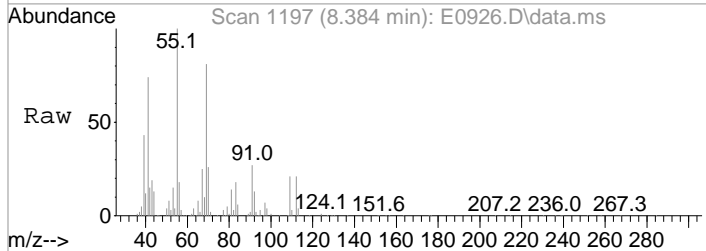
Tgt Ion	Resp	Lower	Upper
43	100		
58	32.3	15.9	55.9
100	7.8	0.0	31.3





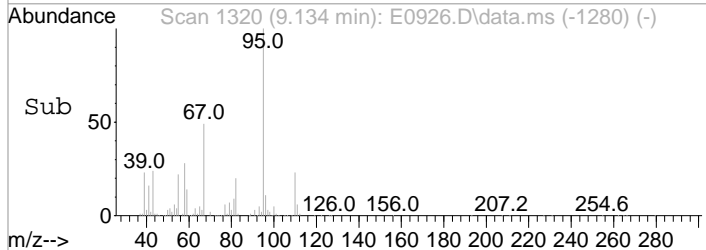
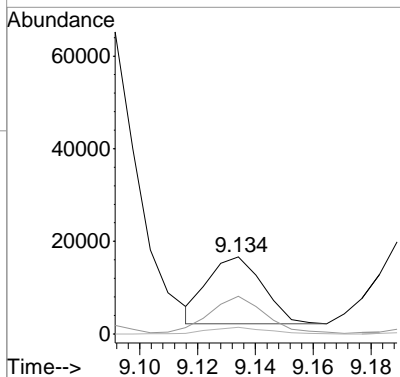
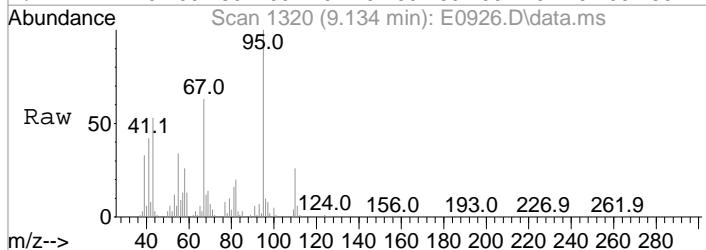
#65
 Toluene
 Concen: 0.26 ug/L
 RT: 8.384 min Scan# 1197
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

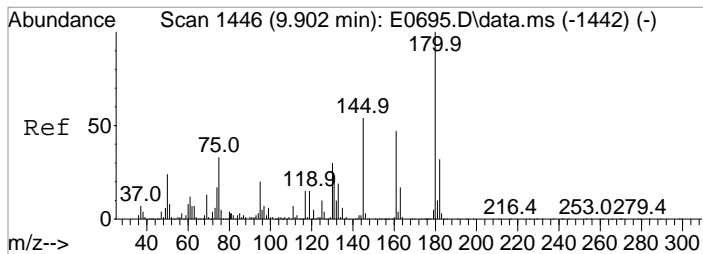
Tgt Ion	Resp	Lower	Upper
91	100		
92	47.9	37.5	77.5
65	29.5	0.0	32.1



#72
 2-Hexanone
 Concen: 5.75 ug/L
 RT: 9.134 min Scan# 1320
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

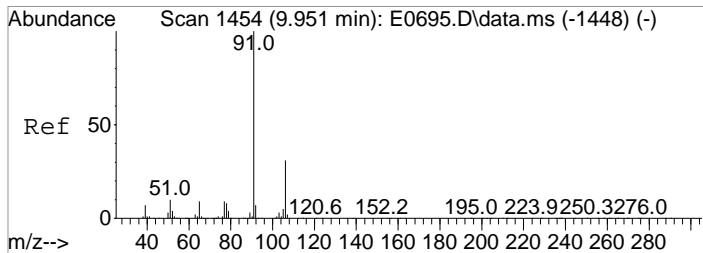
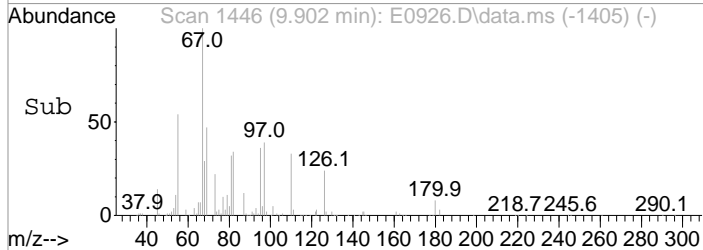
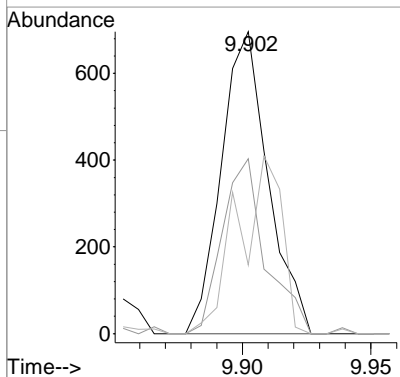
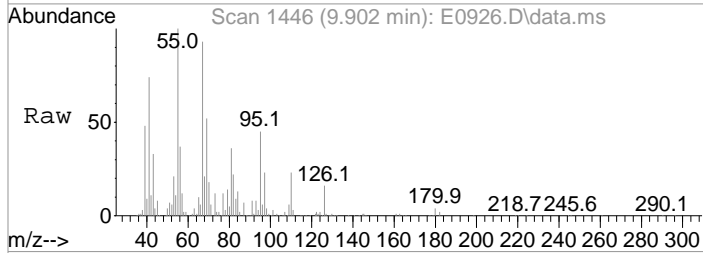
Tgt Ion	Resp	Lower	Upper
43	100		
58	48.9	30.9	70.9
100	8.7	0.0	28.6





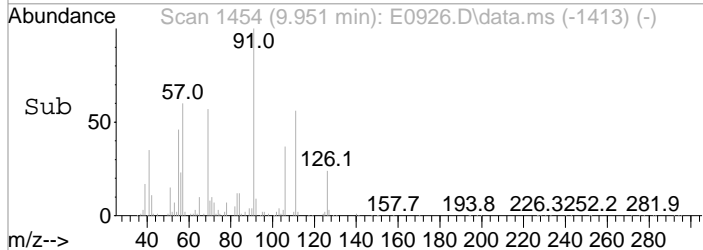
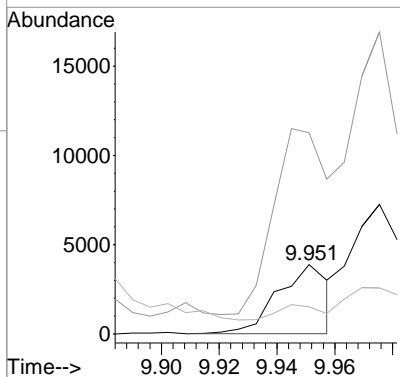
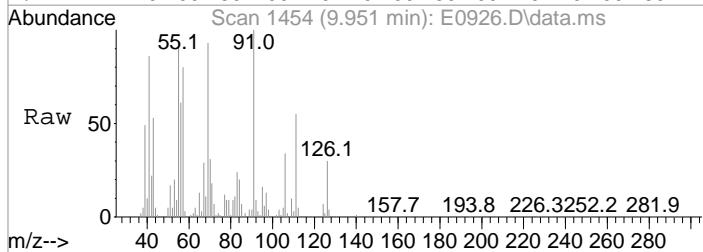
#79
 4-Chlorobenzotrifluoride
 Concen: 0.25 ug/L
 RT: 9.902 min Scan# 1446
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

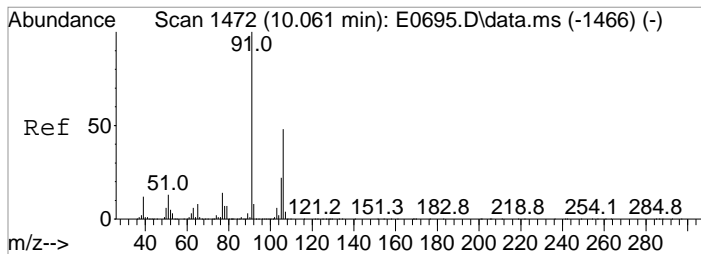
Tgt Ion	Resp	Lower	Upper
180	883		
145	57.9	34.4	74.4
161	22.7	27.2	67.2#



#81
 Ethylbenzene
 Concen: 1.15 ug/L
 RT: 9.951 min Scan# 1454
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

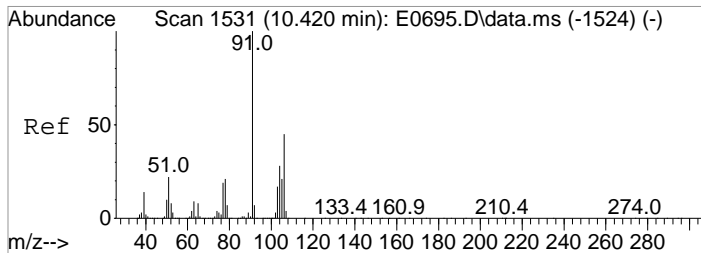
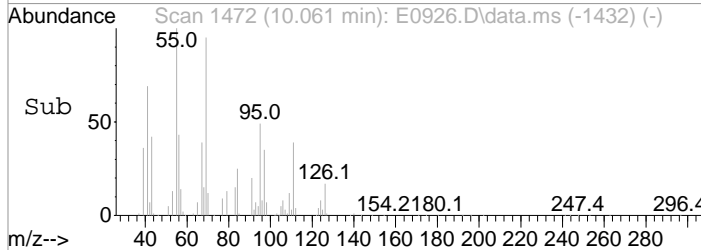
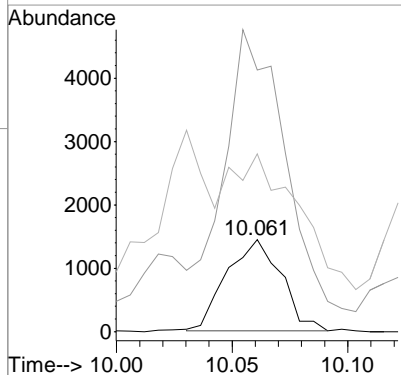
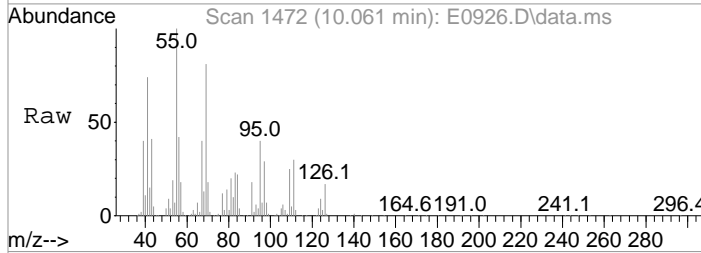
Tgt Ion	Resp	Lower	Upper
106	4656		
91	290.3	307.4	347.4#
65	39.0	10.4	50.4





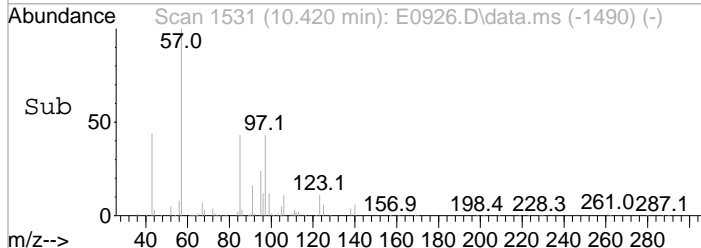
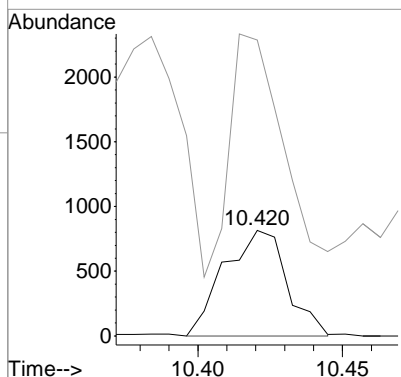
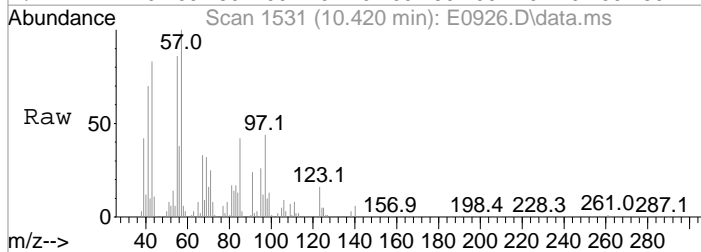
#82
 (m+p)Xylene
 Concen: 0.45 ug/L
 RT: 10.061 min Scan# 1472
 Delta R.T. -0.006 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

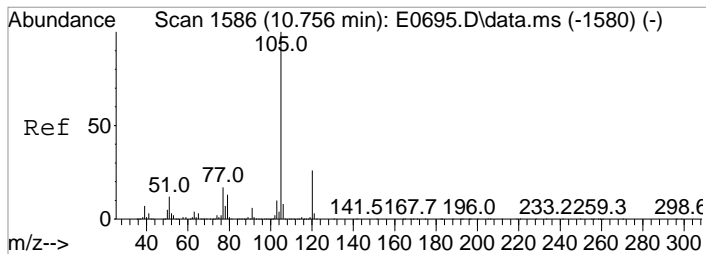
Tgt Ion	Resp	Lower	Upper
106	2362		
106	100		
91	283.8	189.1	229.1#
77	192.9	9.6	49.6#



#83
 o-Xylene
 Concen: 0.24 ug/L
 RT: 10.420 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

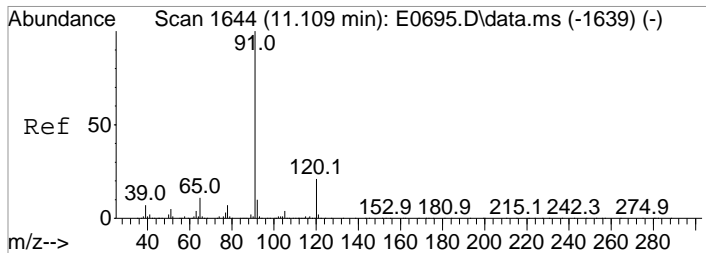
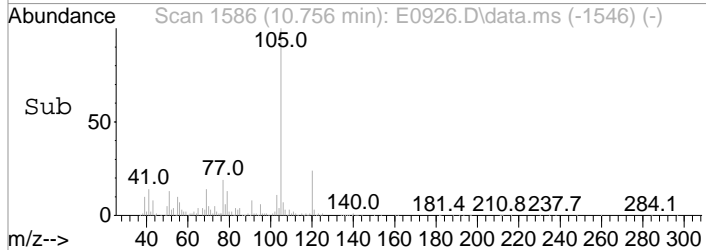
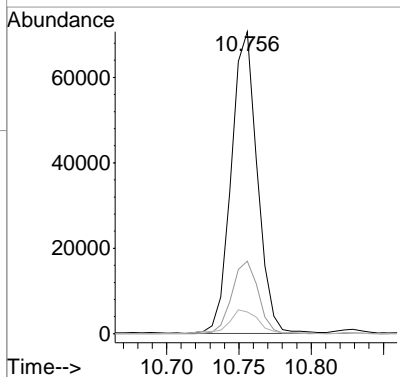
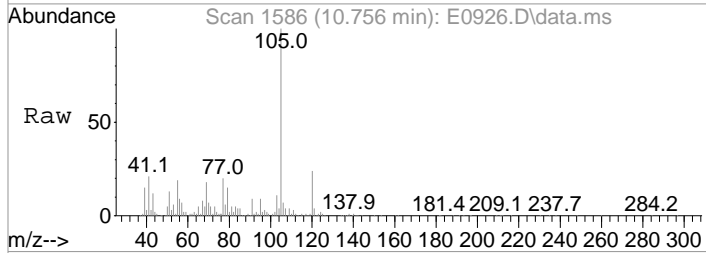
Tgt Ion	Resp	Lower	Upper
106	1229		
106	100		
91	280.1	201.3	241.3#





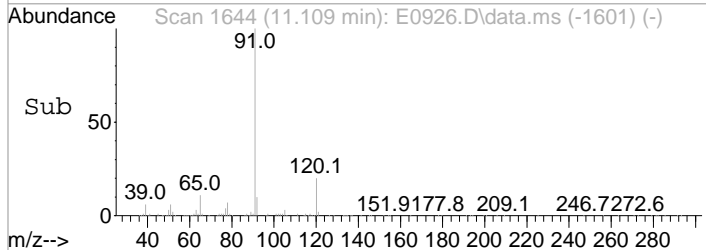
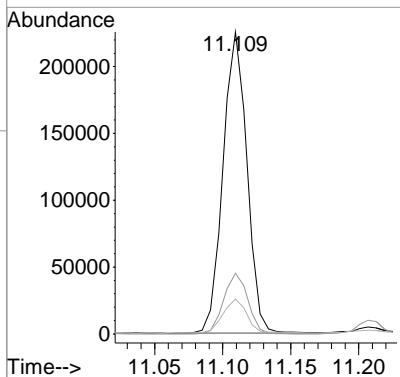
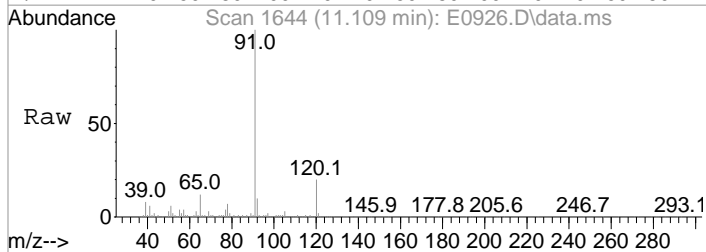
#87
 Isopropylbenzene
 Concen: 6.71 ug/L
 RT: 10.756 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

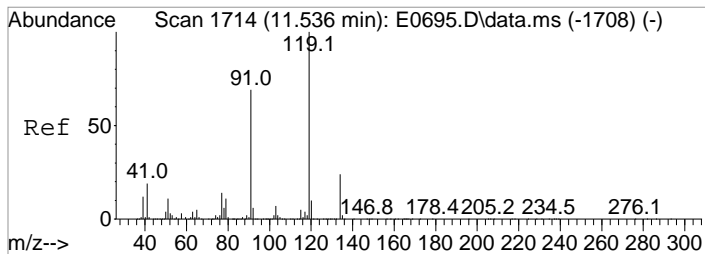
Tgt Ion	Resp	Lower	Upper
105	100		
120	24.0	6.2	46.2
106	7.2	0.0	28.3



#94
 n-Propylbenzene
 Concen: 17.55 ug/L
 RT: 11.109 min Scan# 1644
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

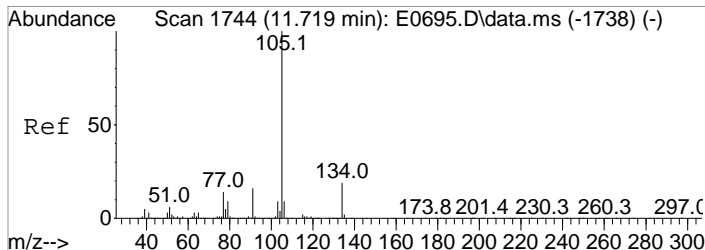
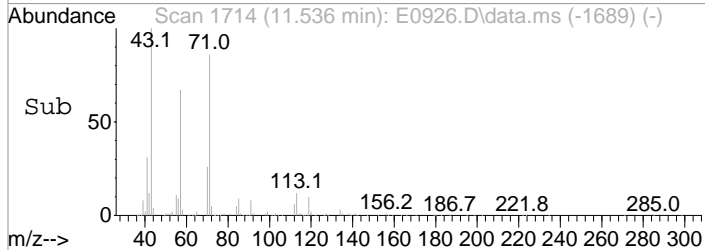
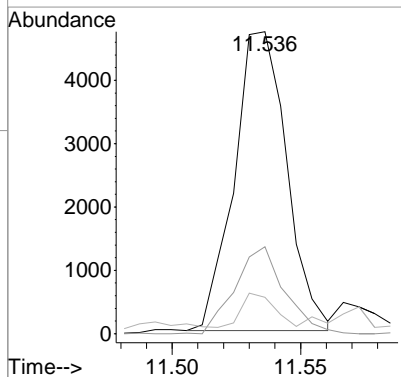
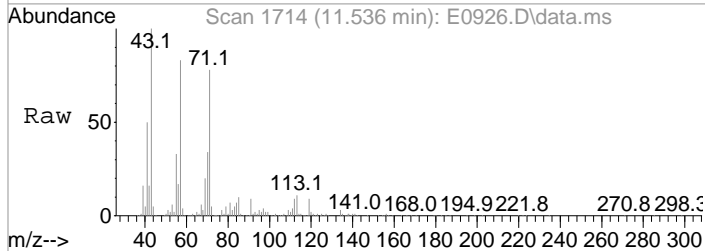
Tgt Ion	Resp	Lower	Upper
91	100		
120	20.1	1.3	41.3
65	11.5	0.0	31.0





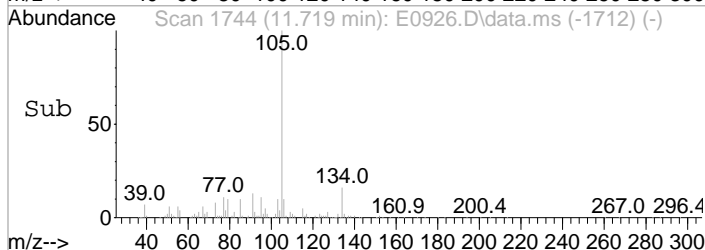
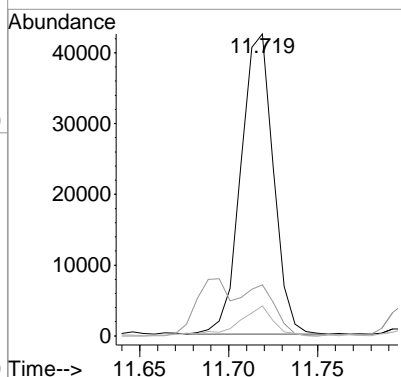
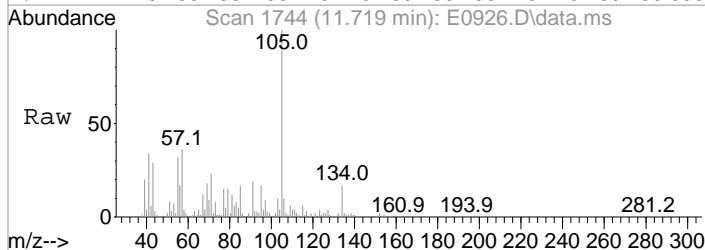
#99
 tert-Butylbenzene
 Concen: 0.74 ug/L
 RT: 11.536 min Scan# 1714
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

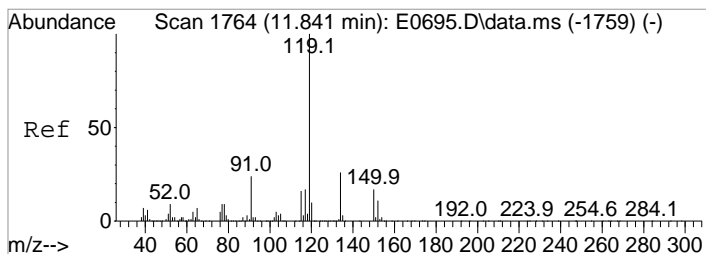
Tgt Ion	Resp	Lower	Upper
119	6705		
134	28.8	3.6	43.6
103	12.1	0.0	26.6



#102
 sec-Butylbenzene
 Concen: 3.96 ug/L
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

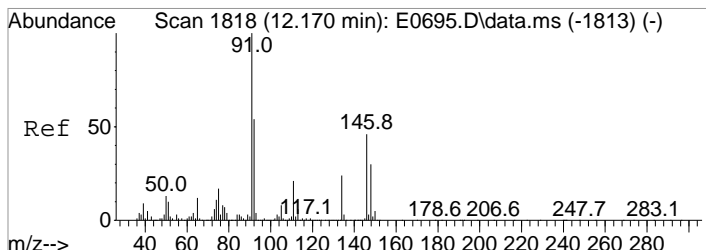
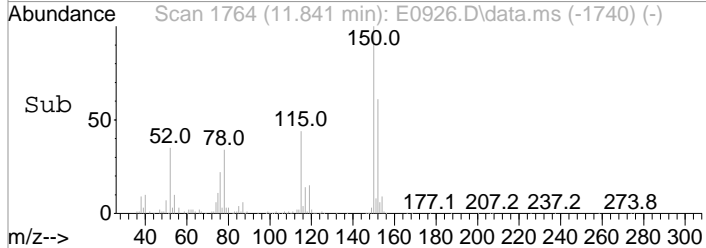
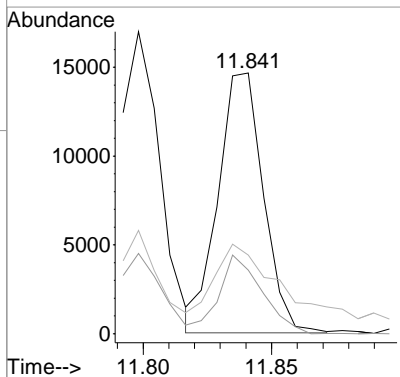
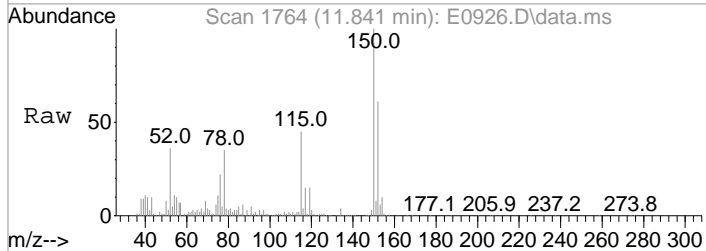
Tgt Ion	Resp	Lower	Upper
105	54317		
134	16.9	0.0	39.4
103	9.9	0.0	29.1





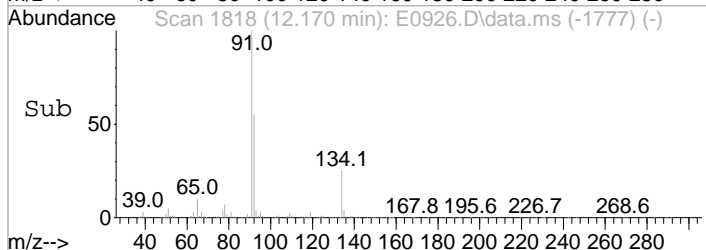
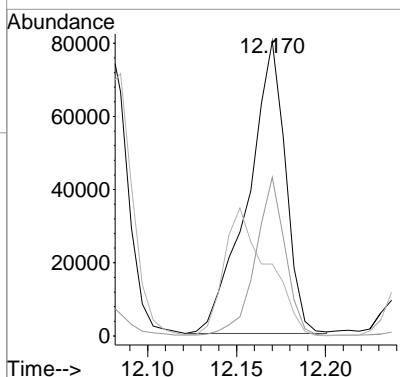
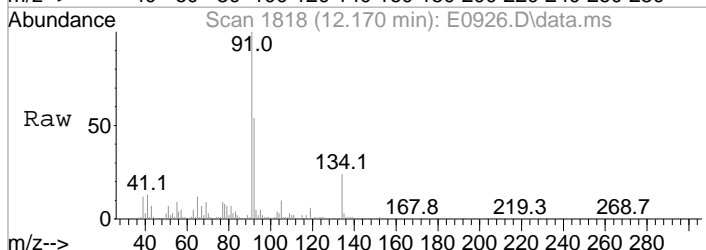
#103
 p-Isopropyltoluene
 Concen: 1.61 ug/L
 RT: 11.841 min Scan# 1764
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

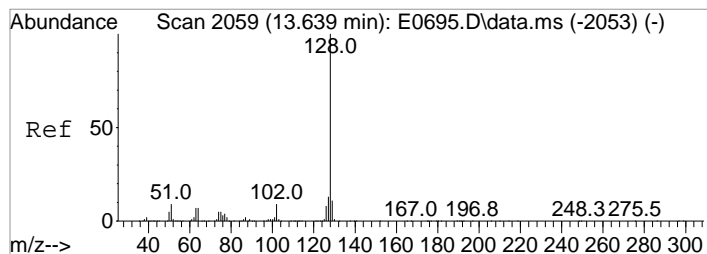
Tgt Ion	Resp	Lower	Upper
119	17963		
134	24.4	6.4	46.4
91	30.2	4.4	44.4



#108
 n-Butylbenzene
 Concen: 10.58 ug/L
 RT: 12.170 min Scan# 1818
 Delta R.T. 0.000 min
 Lab File: E0926.D
 Acq: 7 May 2019 3:41 pm

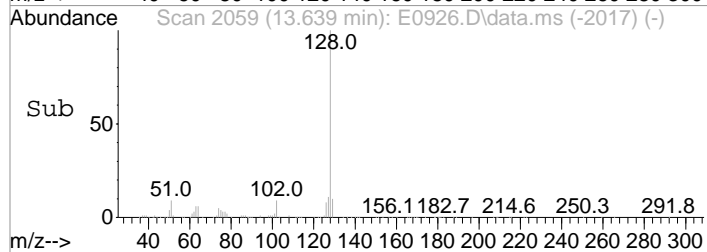
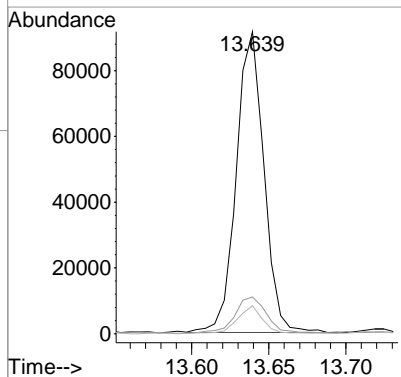
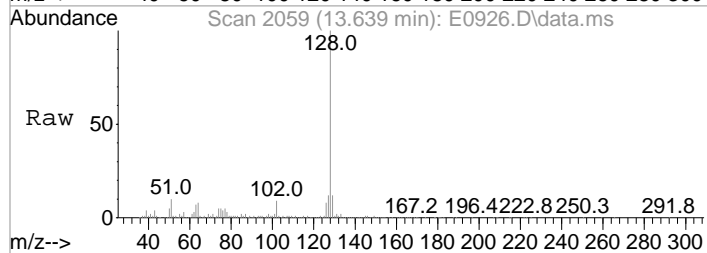
Tgt Ion	Resp	Lower	Upper
91	117688		
92	53.9	33.9	73.9
134	24.4	3.9	43.9





#116
Naphthalen
Concen: 9.69 ug/L
RT: 13.639 min Scan# 2059
Delta R.T. 0.000 min
Lab File: E0926.D
Acq: 7 May 2019 3:41 pm

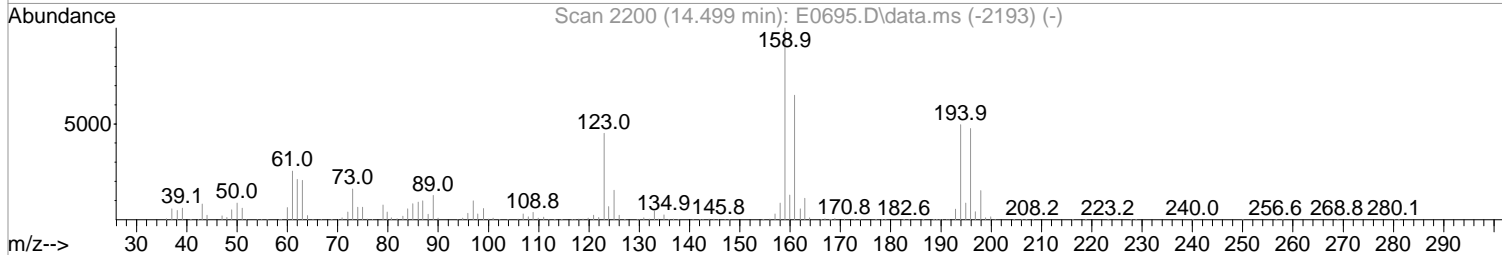
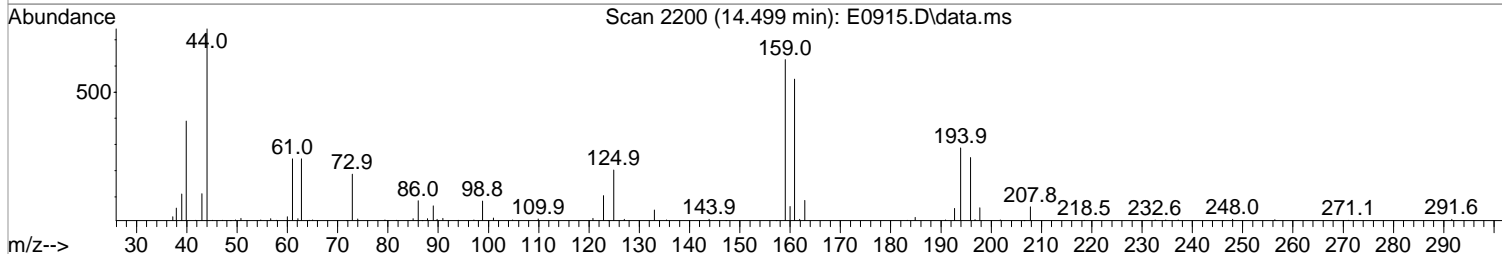
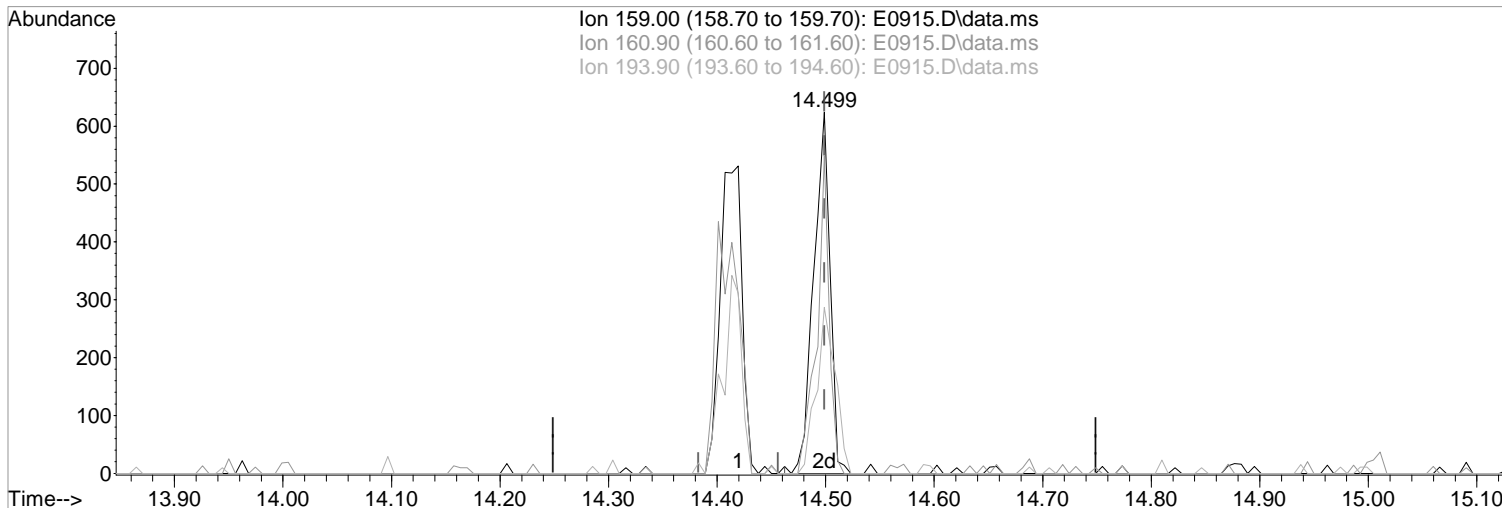
Tgt Ion	Resp	Lower	Upper
128	114256		
127	12.2	0.0	33.4
102	9.3	0.0	28.9



Data Path : I:\ACQUDATA\msvoa10\data\050719\
Data File : E0915.D
Acq On : 7 May 2019 11:25 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 07 11:40:42 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(119) 2,3,6-Trichlorotoluene
14.499min (-0.000) 0.23 ug/L m
response 652

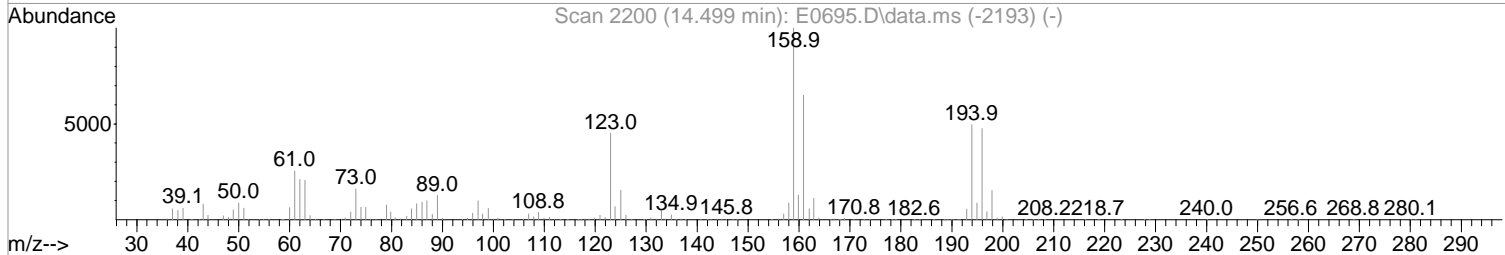
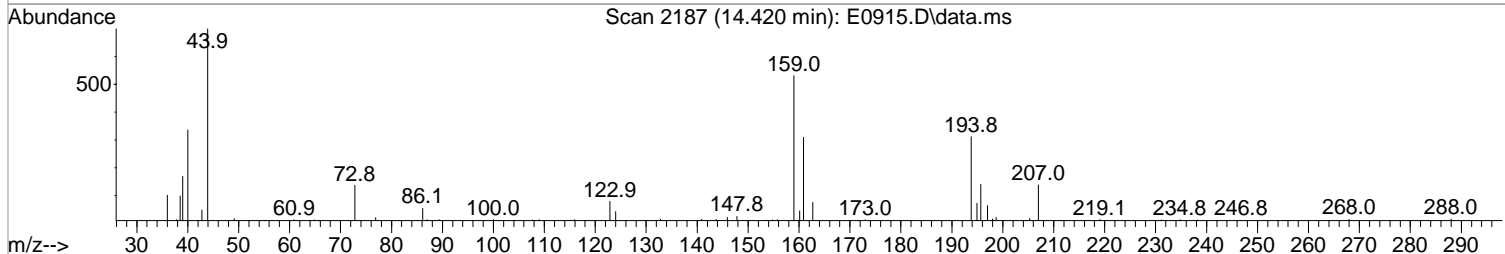
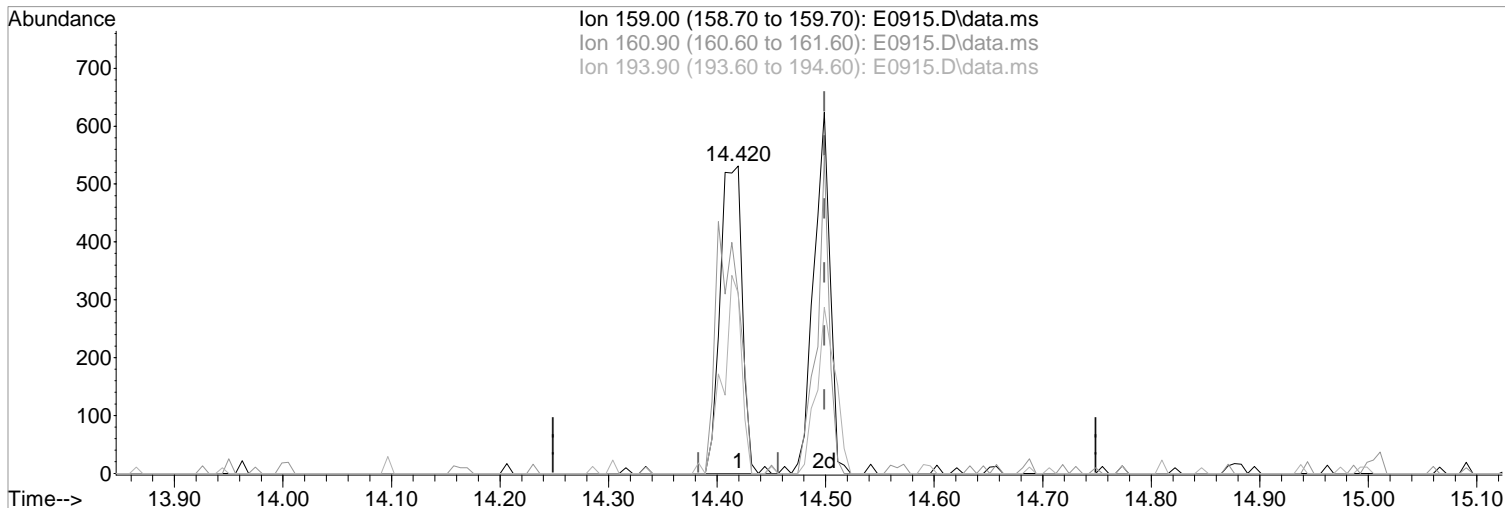
Manual Integration:
After
Wrong peak selected.
05/08/19

Ion	Exp%	Act%
159.00	100	100
160.90	65.00	87.98#
193.90	49.60	45.99
0.00	0.00	0.00

Data Path : I:\ACQUDATA\msvoa10\data\050719\
Data File : E0915.D
Acq On : 7 May 2019 11:25 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

Quant Time: May 07 11:40:42 2019
Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration



(119) 2,3,6-Trichlorotoluene
14.420min (-0.079) 0.26 ug/L
response 753

Manual Integration:
Before

Ion	Exp%	Act%
159.00	100	100
160.90	65.00	58.19
193.90	49.60	58.57
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0915.D
 Acq On : 7 May 2019 11:25 am
 Operator : D.LIPANI
 Sample : MET BLK Inst : MSVOA10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 22:14:48 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

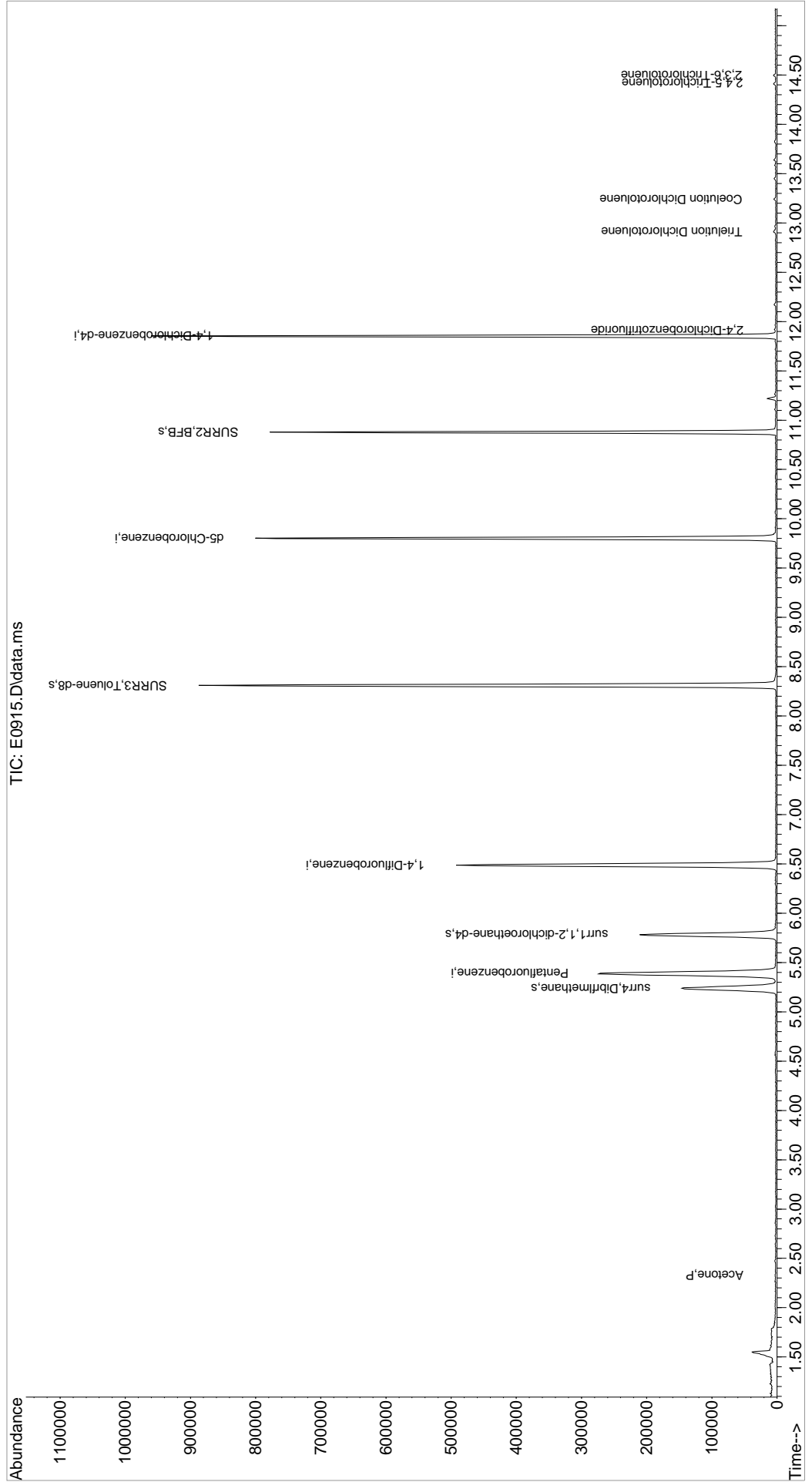
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.391	168	254435	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	401900	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	348869	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	177876	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.238	113	124407	47.26	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery	=	94.52%	
46) surr1,1,2-dichloroetha...	5.781	65	180701	48.67	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery	=	97.34%	
64) SURR3,Toluene-d8	8.311	98	527716	48.43	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery	=	96.86%	
69) SURR2,BFB	10.878	95	193016	45.78	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery	=	91.56%	
Target Compounds						
5) Bromomethane	1.587	94	585	Below Cal	#	70
15) Acetone	2.330	43	733	0.40	ug/L	70
106) 2,4-Dichlorobenzotrifl...	11.914	214	605	0.20	ug/L	# 25
111) Trielution Dichlorotol...	12.908	125	1751	0.33	ug/L	# 65
113) Coelution Dichlorotoluene	13.243	125	1211	0.21	ug/L	# 74
118) 2,4,5-Trichlorotoluene	14.420	159	753	0.30	ug/L	89
119) 2,3,6-Trichlorotoluene	14.499	159	652m	0.23	ug/L	

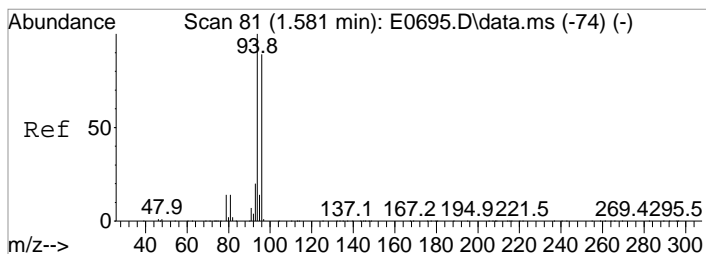
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\ACQDATA\msvoa10\data\050719\
Data File : E0915.D
Acq On : 7 May 2019 11:25 am
Operator : D.LIPANI
Sample : MET BLK
Misc :
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA10

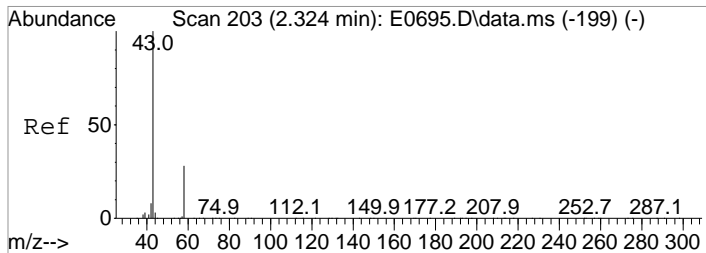
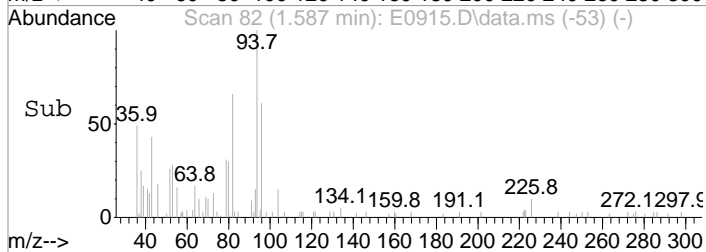
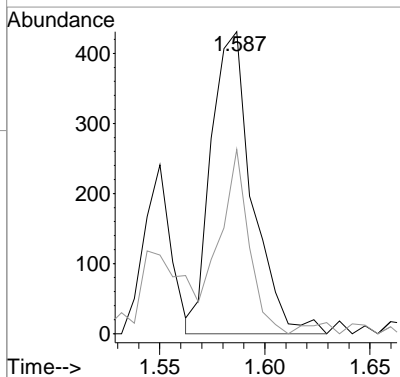
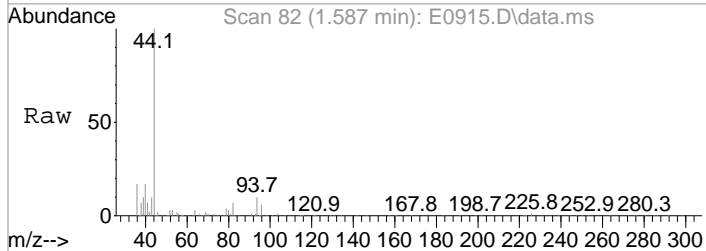
Quant Time: May 08 22:14:48 2019
Quant Method : I:\ACQDATA\MSVOA10\METHODS\W043019.M
Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
QLast Update : Wed May 01 13:32:41 2019
Response via : Initial Calibration





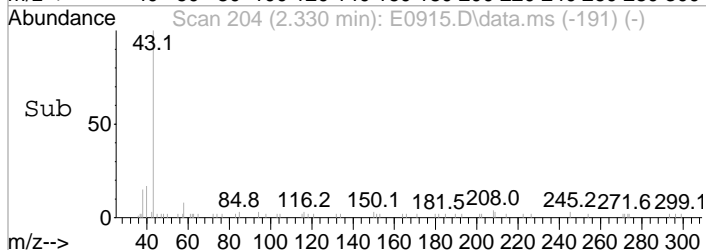
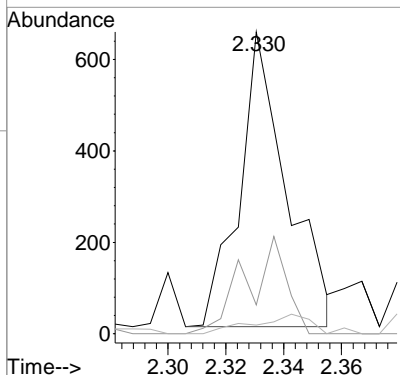
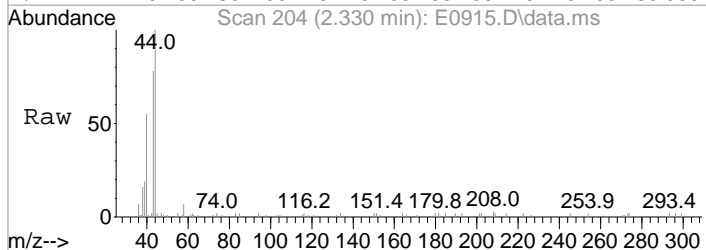
#5
 Bromomethane
 Concen: Below Cal
 RT: 1.587 min Scan# 82
 Delta R.T. 0.013 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

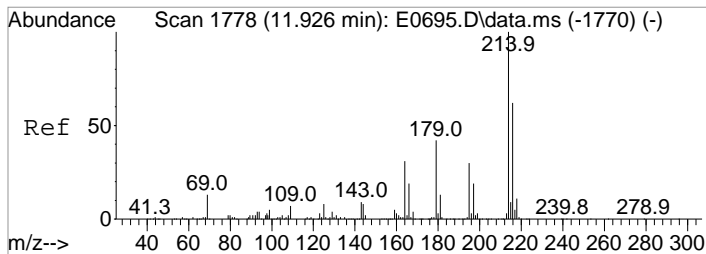
Tgt Ion	Resp	Lower	Upper
94	100		
96	61.0	69.0	109.0#



#15
 Acetone
 Concen: 0.40 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

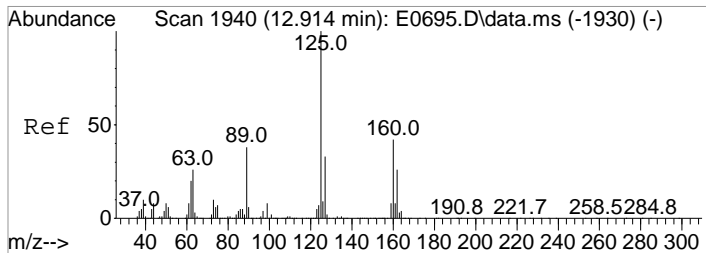
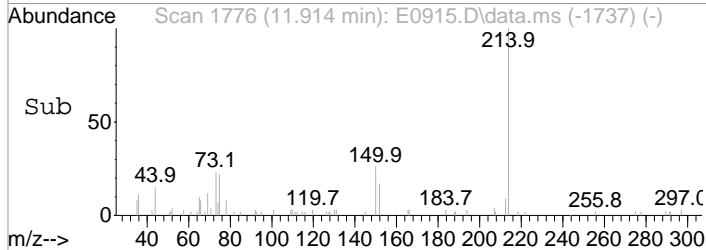
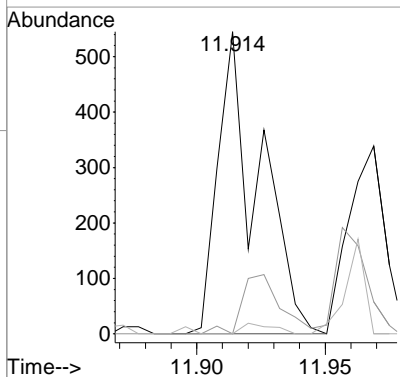
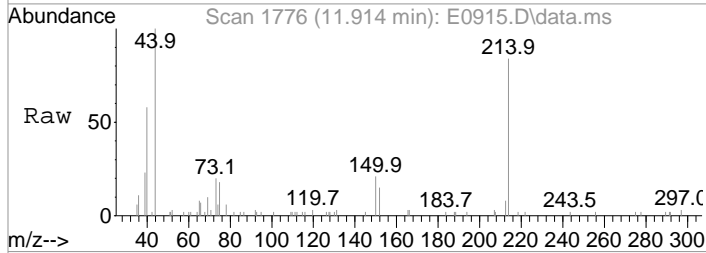
Tgt Ion	Resp	Lower	Upper
43	100		
58	9.5	7.8	47.8
42	2.9	0.0	27.8





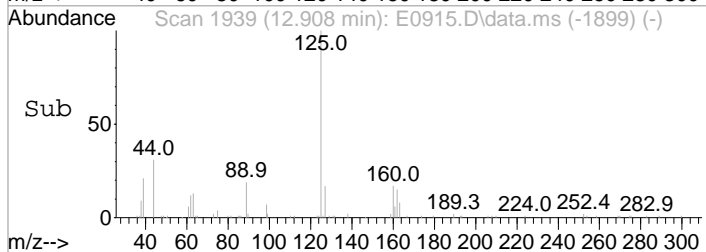
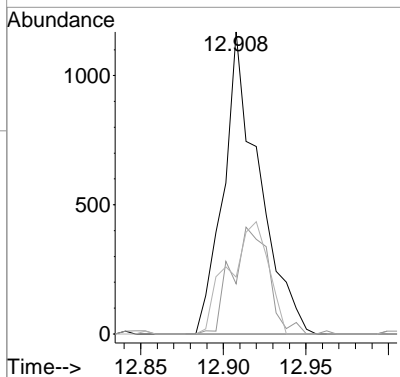
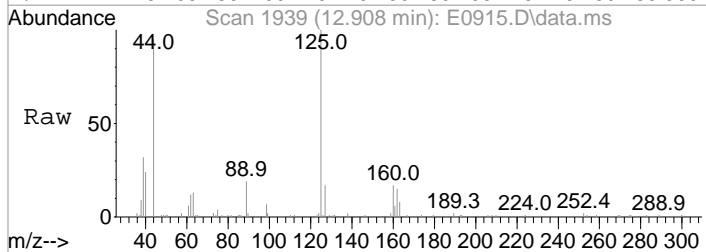
#106
 2,4-Dichlorobenzotrifluoride
 Concen: 0.20 ug/L
 RT: 11.914 min Scan# 1776
 Delta R.T. -0.012 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

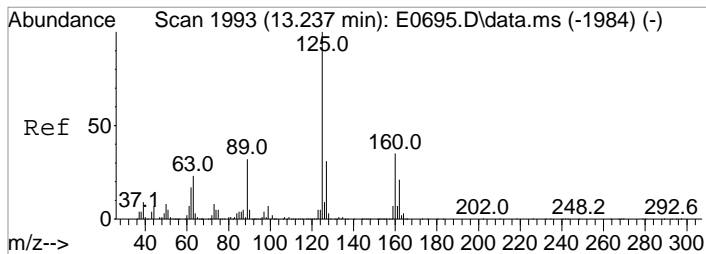
Tgt Ion	Resp	Lower	Upper
214	100		
216	0.0	42.0	82.0#
179	0.0	21.6	61.6#



#111
 Trilution Dichlorotoluene
 Concen: 0.33 ug/L
 RT: 12.908 min Scan# 1939
 Delta R.T. -0.006 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

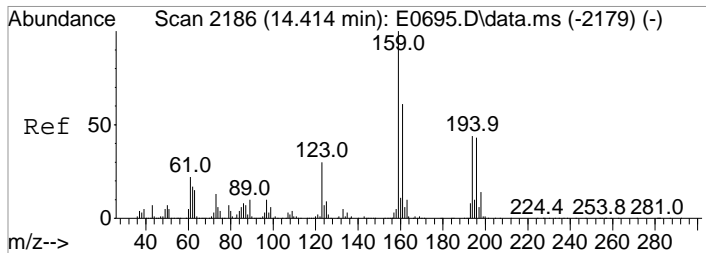
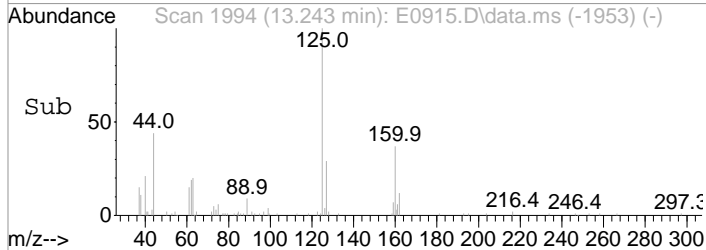
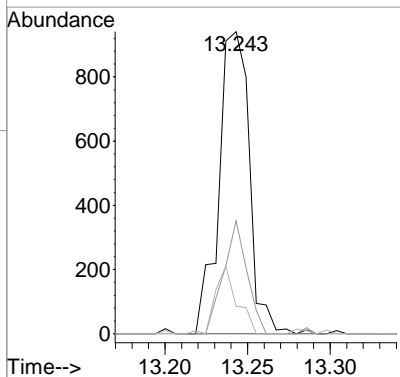
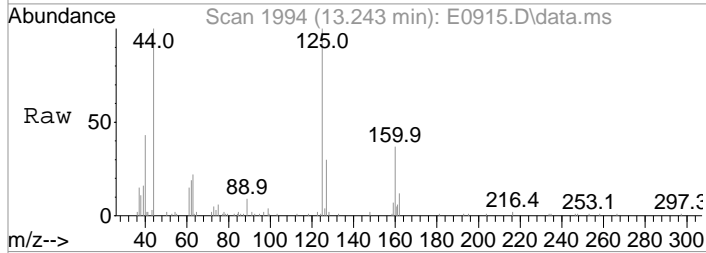
Tgt Ion	Resp	Lower	Upper
125	100		
160	16.6	22.3	62.3#
89	20.4	17.9	57.9





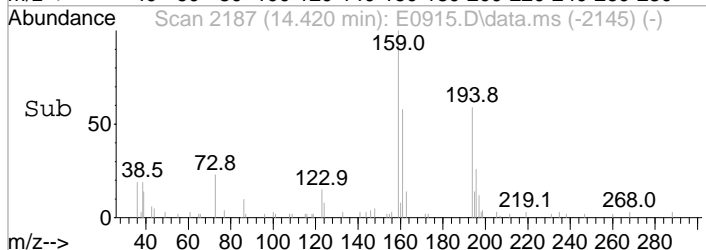
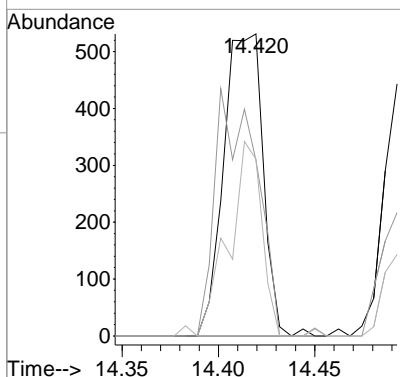
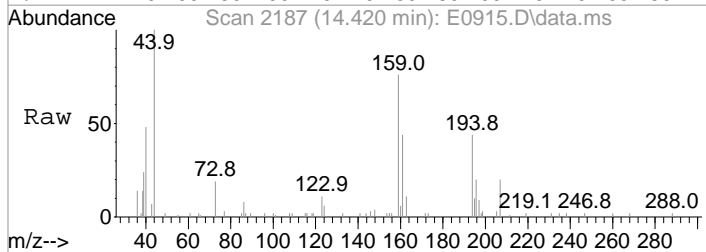
#113
 Coelution Dichlorotoluene
 Concen: 0.21 ug/L
 RT: 13.243 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

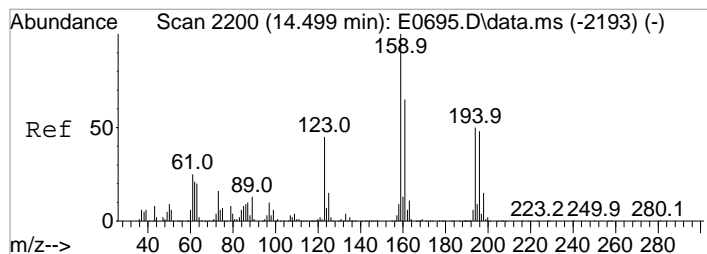
Tgt Ion	Resp	Lower	Upper
125	1211		
125	100		
160	42.3	15.4	55.4
89	9.1	11.9	51.9#



#118
 2,4,5-Trichlorotoluene
 Concen: 0.30 ug/L
 RT: 14.420 min Scan# 2187
 Delta R.T. 0.006 min
 Lab File: E0915.D
 Acq: 7 May 2019 11:25 am

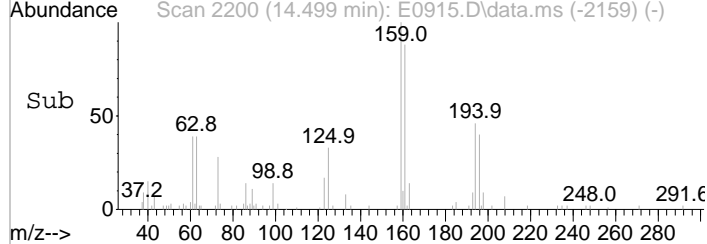
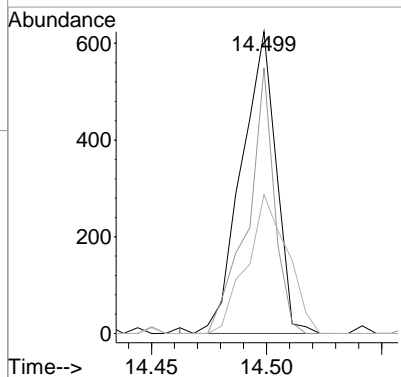
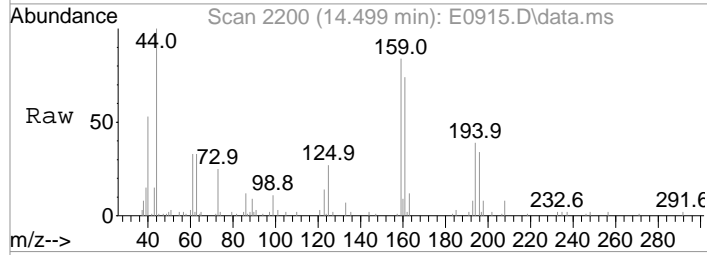
Tgt Ion	Resp	Lower	Upper
159	753		
159	100		
161	58.2	41.2	81.2
194	58.6	24.5	64.5





#119
2,3,6-Trichlorotoluene
Concen: 0.23 ug/L m
RT: 14.499 min Scan# 2200
Delta R.T. -0.000 min
Lab File: E0915.D
Acq: 7 May 2019 11:25 am

Tgt Ion	Resp	Lower	Upper
159	100		
161	88.0	45.0	85.0#
194	46.0	29.6	69.6



Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0912.D
 Acq On : 7 May 2019 10:13 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 10:58:21 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	260398	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	6.488	114	415300	50.00	ug/L	0.00
70) d5-Chlorobenzene	9.805	117	358944	50.00	ug/L	0.00
90) 1,4-Dichlorobenzene-d4	11.853	152	187019	50.00	ug/L	0.00
System Monitoring Compounds						
43) surr4,Dibrflmethane	5.239	113	128696	47.31	ug/L	0.00
Spiked Amount	50.000	Range 89 - 119	Recovery =	94.62%		
46) surr1,1,2-dichloroetha...	5.781	65	182332	47.53	ug/L	0.00
Spiked Amount	50.000	Range 73 - 125	Recovery =	95.06%		
64) SURR3,Toluene-d8	8.311	98	539498	47.92	ug/L	0.00
Spiked Amount	50.000	Range 87 - 121	Recovery =	95.84%		
69) SURR2,BFB	10.878	95	202828	46.56	ug/L	0.00
Spiked Amount	50.000	Range 85 - 122	Recovery =	93.12%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.154	85	75366	20.24	ug/L	97
3) Chloromethane	1.282	50	100087	19.66	ug/L	100
4) Vinyl Chloride	1.355	62	92686	19.71	ug/L	99
5) Bromomethane	1.581	94	50537	17.14	ug/L	99
6) Chloroethane	1.660	64	45689	16.05	ug/L	99
7) Freon 21	1.812	67	113234	16.91	ug/L	98
8) Trichlorofluoromethane	1.855	101	82352	18.18	ug/L	98
9) Diethyl Ether	2.093	59	61400	20.46	ug/L	98
10) Freon 123a	2.093	67	69845	18.05	ug/L	100
11) Freon 123	2.148	83	85936	21.01	ug/L	96
12) Acrolein	2.196	56	30612	40.33	ug/L	95
13) 1,1-Dicethene	2.282	96	52636	19.00	ug/L	91
14) Freon 113	2.288	101	51606	20.45	ug/L	97
15) Acetone	2.324	43	33691	18.19	ug/L	97
16) 2-Propanol	2.459	45	160366	415.28	ug/L	99
17) Iodomethane	2.416	142	66698	19.72	ug/L	93
18) Carbon Disulfide	2.477	76	167010	20.13	ug/L	99
19) Acetonitrile	2.574	41	76076	117.37	ug/L	96
20) Allyl Chloride	2.611	76	31823	19.26	ug/L	# 76
21) Methyl Acetate	2.635	43	76303	19.73	ug/L	95
22) Methylene Chloride	2.727	84	60589	18.53	ug/L	98
23) TBA	2.861	59	217633	375.94	ug/L	96
24) Acrylonitrile	2.983	53	184850	103.46	ug/L	91
25) Methyl-t-Butyl Ether	3.032	73	207285	19.67	ug/L	95
26) trans-1,2-Dichloroethene	3.026	96	56266	19.24	ug/L	96
27) 1,1-Dicethane	3.525	63	119163	19.25	ug/L	96
28) Vinyl Acetate	3.617	86	14571	21.58	ug/L	# 93
29) DIPE	3.647	45	254191	22.02	ug/L	94
30) 2-Chloro-1,3-Butadiene	3.647	53	97108	19.81	ug/L	97
31) ETBE	4.178	59	198108	19.40	ug/L	96
32) 2,2-Dichloropropane	4.361	77	90356	17.72	ug/L	93
33) cis-1,2-Dichloroethene	4.373	96	63463	19.67	ug/L	94
34) 2-Butanone	4.416	43	46584	19.68	ug/L	92
35) Propionitrile	4.495	54	72644	103.14	ug/L	93
36) Bromochloromethane	4.757	130	36926	19.45	ug/L	94
37) Methacrylonitrile	4.763	67	33584	18.23	ug/L	# 84
38) Tetrahydrofuran	4.854	42	34435	20.82	ug/L	94
39) Chloroform	4.946	83	103530	18.94	ug/L	94
40) 1,1,1-Trichloroethane	5.245	97	81354	17.80	ug/L	94

Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0912.D
 Acq On : 7 May 2019 10:13 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 10:58:21 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Cyclohexane	5.342	41	69152	18.61	ug/L	86
44) Carbontetrachloride	5.525	117	64452	17.59	ug/L	94
45) 1,1-Dichloropropene	5.537	75	80365	18.42	ug/L	99
47) Benzene	5.860	78	243813	19.10	ug/L	99
48) 1,2-Dichloroethane	5.897	62	90846	17.83	ug/L	96
49) Iso-Butyl Alcohol	5.879	43	101806	366.46	ug/L	98
50) TAME	6.098	73	185037	19.73	ug/L	98
51) n-Heptane	6.354	43	96397	20.31	ug/L	97
52) 1-Butanol	6.848	56	141889	900.10	ug/L	94
53) Trichloroethene	6.811	130	56799	17.90	ug/L	94
54) Methylcyclohexane	7.049	55	86693	19.43	ug/L	88
55) 1,2-Diclpropane	7.098	63	70126	19.76	ug/L	97
56) Dibromomethane	7.238	93	37642	18.50	ug/L	98
57) 1,4-Dioxane	7.299	88	23753	406.66	ug/L	88
58) Methyl Methacrylate	7.330	69	55945	19.78	ug/L	94
59) Bromodichloromethane	7.470	83	72848	18.18	ug/L	96
60) 2-Nitropropane	7.750	41	38438	30.64	ug/L	98
62) cis-1,3-Dichloropropene	8.012	75	101958	19.16	ug/L	97
63) 4-Methyl-2-pentanone	8.220	43	93333	20.49	ug/L	97
65) Toluene	8.384	91	242931	18.09	ug/L	100
66) trans-1,3-Dichloropropene	8.653	75	90642	18.44	ug/L	99
67) Ethyl Methacrylate	8.793	69	98947	19.41	ug/L	99
68) 1,1,2-Trichloroethane	8.841	97	52206	17.46	ug/L	93
71) Tetrachloroethene	8.976	164	41491	18.00	ug/L	95
72) 2-Hexanone	9.134	43	64601	18.62	ug/L	99
73) 1,3-Dichloropropene	9.012	76	100669	19.39	ug/L	99
74) Dibromochloromethane	9.238	129	50760	17.94	ug/L	93
75) N-Butyl Acetate	9.287	43	139340	20.48	ug/L	98
76) 1,2-Dibromoethane	9.335	107	55440	19.11	ug/L	94
77) 3-Chlorobenzotrifluoride	9.847	180	80188	19.45	ug/L	100
78) Chlorobenzene	9.829	112	144372	17.84	ug/L	98
79) 4-Chlorobenzotrifluoride	9.902	180	71299	19.41	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.914	131	50411	18.49	ug/L	99
81) Ethylbenzene	9.951	106	78185	18.44	ug/L	95
82) (m+p)Xylene	10.061	106	193385	35.48	ug/L	97
83) o-Xylene	10.420	106	93163	17.56	ug/L	96
84) Styrene	10.433	104	162084	18.30	ug/L	99
85) Bromoform	10.585	173	33312	18.50	ug/L	95
86) 2-Chlorobenzotrifluoride	10.664	180	76264	18.63	ug/L	99
87) Isopropylbenzene	10.756	105	241971	17.60	ug/L	100
88) Cyclohexanone	10.817	55	74328	97.55	ug/L	98
89) trans-1,4-Dichloro-2-B...	11.061	53	24137	21.11	ug/L	93
91) 1,1,2,2-Tetrachloroethane	11.012	83	76269	18.13	ug/L	98
92) Bromobenzene	11.000	156	62474	18.87	ug/L	99
93) 1,2,3-Trichloropropane	11.042	110	23484	18.74	ug/L	# 79
94) n-Propylbenzene	11.109	91	303336	18.29	ug/L	98
95) 2-Chlorotoluene	11.170	91	182726	18.68	ug/L	98
96) 3-Chlorotoluene	11.225	91	183586	18.91	ug/L	99
97) 4-Chlorotoluene	11.268	91	204776	17.91	ug/L	97
98) 1,3,5-Trimethylbenzene	11.262	105	200598	17.73	ug/L	99
99) tert-Butylbenzene	11.536	119	168704	17.65	ug/L	99
100) 1,2,4-Trimethylbenzene	11.573	105	201759	17.90	ug/L	99
101) 3,4-Dichlorobenzotrifl...	11.634	214	65140	19.01	ug/L	99
102) sec-Butylbenzene	11.719	105	259467	17.92	ug/L	98
103) p-Isopropyltoluene	11.841	119	207210	17.54	ug/L	99
104) 1,3-Dclbenz	11.798	146	113387	17.71	ug/L	98

Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0912.D
 Acq On : 7 May 2019 10:13 am
 Operator : D.LIPANI
 Sample : LCS-Acid Inst : MSVOA10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 10:58:21 2019
 Quant Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Quant Title : MS#10 - 8260B WATERS 5.0mL Purge
 QLast Update : Wed May 01 13:32:41 2019
 Response via : Initial Calibration

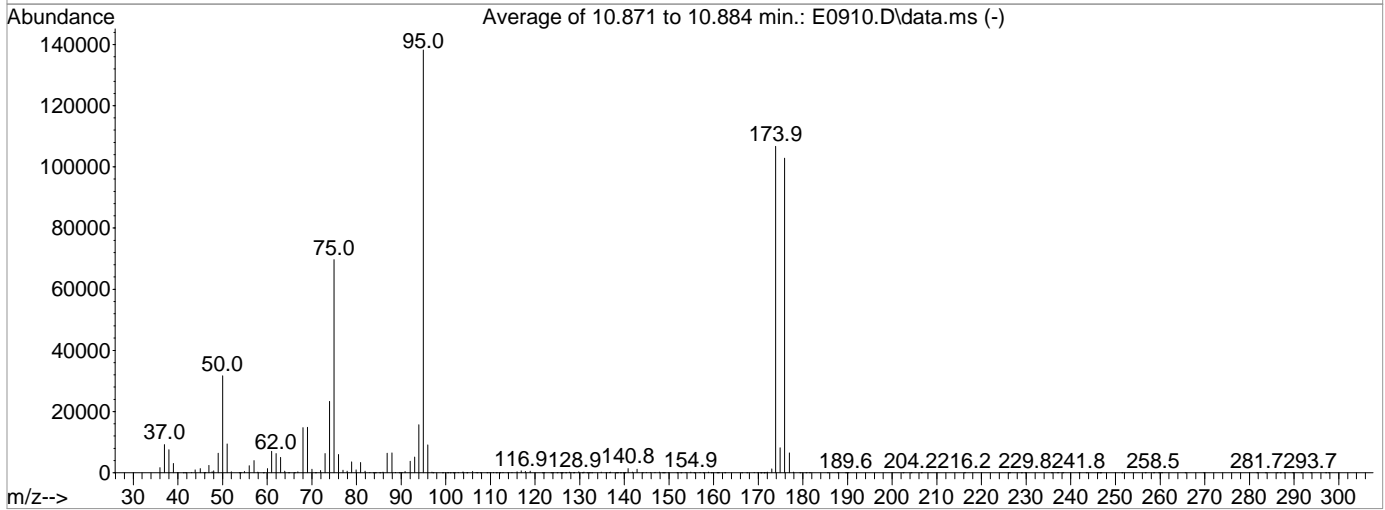
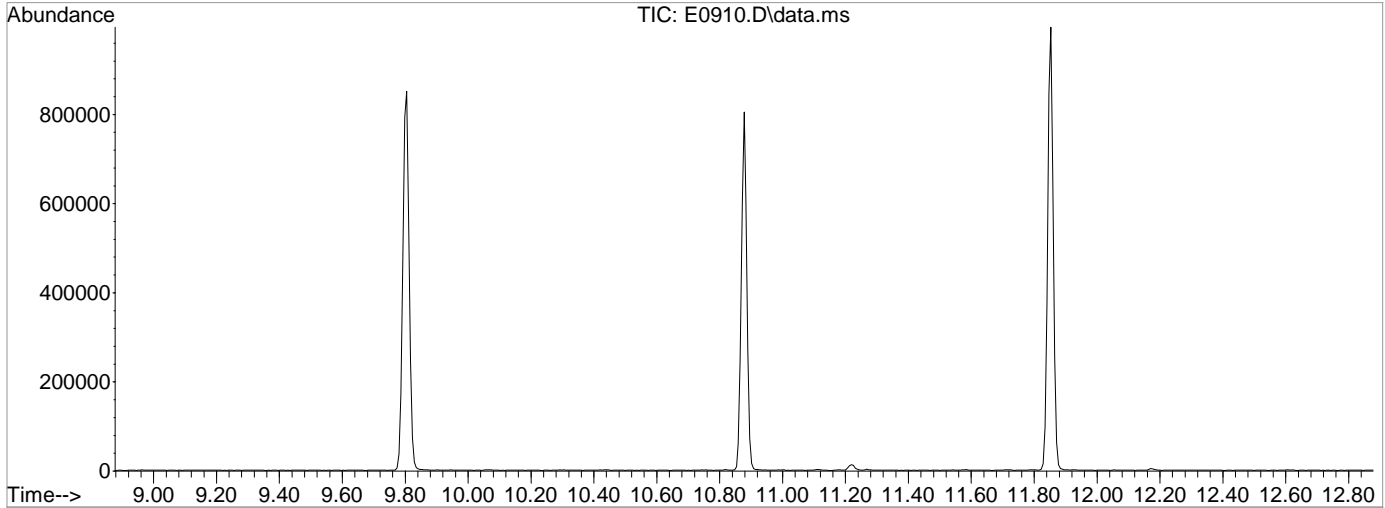
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 1,4-Dclbenz	11.871	146	116147	17.63	ug/L	98
106) 2,4-Dichlorobenzotrifl...	11.926	214	58697	18.90	ug/L	93
107) 2,5-Dichlorobenzotrifl...	11.963	214	65588	20.14	ug/L	98
108) n-Butylbenzene	12.170	91	217338	18.48	ug/L	99
109) 1,2-Dclbenz	12.170	146	111976	17.67	ug/L	98
110) 1,2-Dibromo-3-chloropr...	12.792	157	15228	16.92	ug/L	95
111) Trielution Dichlorotol...	12.908	125	309012	56.13	ug/L	97
112) 1,3,5-Trichlorobenzene	12.963	180	87632	19.19	ug/L	99
113) Coelution Dichlorotoluene	13.243	125	223953	37.24	ug/L	94
114) 1,2,4-Tcbenzene	13.450	180	86299	18.34	ug/L	98
115) Hexachlorobt	13.591	225	37160	19.05	ug/L	92
116) Naphthalen	13.639	128	230582	18.51	ug/L	98
117) 1,2,3-Tclbenzene	13.828	180	83905	18.49	ug/L	98
118) 2,4,5-Trichlorotoluene	14.414	159	54048	20.27	ug/L	97
119) 2,3,6-Trichlorotoluene	14.499	159	52697	17.34	ug/L	98

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

Data Path : I:\ACQUDATA\msvoa10\data\050719\
 Data File : E0910.D
 Acq On : 7 May 2019 9:11 am
 Operator : D.LIPANI
 Sample : TUNE CHECK Inst : MSVOA10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\MSVOA10\METHODS\W043019.M
 Title : MS#10 - 8260B WATERS 5.0mL Purge
 Last Update : Wed May 01 13:32:41 2019



AutoFind: Scans 1605, 1606, 1607; Background Corrected with Scan 1598

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	31715	PASS
75	95	30	60	50.4	69688	PASS
95	95	100	100	100.0	138200	PASS
96	95	5	9	6.6	9066	PASS
173	174	0.00	2	1.2	1280	PASS
174	95	50	120	77.2	106720	PASS
175	174	5	9	7.6	8128	PASS
176	174	95	101	96.4	102870	PASS
177	176	5	9	6.3	6520	PASS

Analysis: V 8ZGOC Analyst: P. Sigman
 Date: 04/30/19 Balance ID:
 Instr: MS#10 50 mL Class A used for dilution FV
 pH strips: Hyd. 204018
 ResCl strips:
 Syringes: 181117
 Tune Method: W041819.M → W043019.M
 Run Method:
 LIMS Run#: -ICAL-

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	High Gases		(switched to fil #1)					E0677	Y	
2-3	BIKS							78	Y	
4	Tune Check		(Run at a BIK)					79	Y	E0680
5	CCV		(switched back to fil #2)					E0681	N	- gases too high
6	BIK							82	O.K.	
7	Tune Check							83	Y	
8	CCV		→ recalibrate					84	N	- gases ↓
9	BIK							85	Y	
10	Tune Check							86	N	- tune good but wrong "U" used
11	Tune Check							87	Y	
12	INST BIK							88	Y	
13	INST BIK							89	Y	
		"Mini"								
		5.0ppm	10 TG 10 HSL 1 Frt 100CC	Final						
		5.0ul	500 500 500	Vol.						
14	STD #1 - 0.5ppb	5.0ul		50ml				E0690	Y	
15	#2 - 1.0ppb	10ul						91	Y	
16	#3 - 2.0ppb	20ul						92	Y	
17	#4 - 5.0ppb	50ul						93	Y	
18	#5 - 20ppb		2.0ul					94	Y	
19	#6 - 50ppb		5.0ul					95	Y	
20	#7 - 100ppb		10ul					96	Y	
21	#8 - 150ppb							97	Y	
22	#9 - 200ppb							98	Y	
23	BIK							99	N	
24	BIK							E0700	N	
25	BIK							01	O.K.	
26	ICV-50							02	Y	
27-30	BIKS							03-12	Y	
		EOD	PL 4/30/19							

All samples = 5.0 mL + 5.0 uL combined IS/Surr. 5.0 mL purged
 Secondary TG 198847 5.0ul
 Secondary HSL 198593
 Secondary OCC 198044
 Secondary Frt 198689 12.5ul
 Secondary
 = "Mini" 5.0
 Primary TG 198694 5.0ul
 Primary HSL 198696
 Primary OCC 198917
 Primary Frt 198619
 Primary
 = CCV
 50mL DI / 1.0mL each MeOH
 = ICV 50
 50mL DI
 = ICV 50
 Combined IS/Surr
 Surrogate 50 198348
 Internal Std 50 198349
 Reagents:

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/30/19 12:48

ICAL Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA10\DATA\043019\E0687.D
Instrument ID: R-MS-10

Analytical Method: 8260C/624.1

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
50	95	15	40	24.3	31068	PASS
75	95	30	60	52.9	67784	PASS
95	95	100	100	100.0	128045	PASS
96	95	5	9	6.4	8131	PASS
173	174	0	2	1.9	1857	PASS
174	95	50	120	77.7	99512	PASS
175	174	5	9	8.2	8169	PASS
176	174	95	101	95.9	95475	PASS
177	176	5	9	6.2	5885	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
INST BLK	INST BLK	I:\ACQUDATA\msvoa10\data\043019\E0689.D	4/30/19 13:38
STD #1-0.5 PPB	STD #1-0.5 PPB	I:\ACQUDATA\msvoa10\data\043019\E0690.D	4/30/19 14:12
STD #2-1.0 PPB	STD #2-1.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0691.D	4/30/19 14:50
STD #3-2.0 PPB	STD #3-2.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0692.D	4/30/19 15:12
STD #4-5.0 PPB	STD #4-5.0 PPB	I:\ACQUDATA\msvoa10\data\043019\E0693.D	4/30/19 15:34
STD #5-20 PPB	STD #5-20 PPB	I:\ACQUDATA\msvoa10\data\043019\E0694.D	4/30/19 15:56
STD #6-50 PPB	STD #6-50 PPB	I:\ACQUDATA\msvoa10\data\043019\E0695.D	4/30/19 16:18
STD #7-100 PPB	STD #7-100 PPB	I:\ACQUDATA\msvoa10\data\043019\E0696.D	4/30/19 16:40
STD #8-150 PPB	STD #8-150 PPB	I:\ACQUDATA\msvoa10\data\043019\E0697.D	4/30/19 17:02
STD #9-200 PPB	STD #9-200 PPB	I:\ACQUDATA\msvoa10\data\043019\E0698.D	4/30/19 17:24
ICV-50	ICV-50	I:\ACQUDATA\msvoa10\data\043019\E0702.D	4/30/19 18:53

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900049-01	STD #1-0.5 PPB	I:\ACQUADATA\msvoa10\data\043019\E0690.D	04/30/2019 14:12
02	RC1900049-02	STD #2-1.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0691.D	04/30/2019 14:50
03	RC1900049-03	STD #3-2.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0692.D	04/30/2019 15:12
04	RC1900049-04	STD #4-5.0 PPB	I:\ACQUADATA\msvoa10\data\043019\E0693.D	04/30/2019 15:34
05	RC1900049-05	STD #5-20 PPB	I:\ACQUADATA\msvoa10\data\043019\E0694.D	04/30/2019 15:56
06	RC1900049-06	STD #6-50 PPB	I:\ACQUADATA\msvoa10\data\043019\E0695.D	04/30/2019 16:18
07	RC1900049-07	STD #7-100 PPB	I:\ACQUADATA\msvoa10\data\043019\E0696.D	04/30/2019 16:40
08	RC1900049-08	STD #8-150 PPB	I:\ACQUADATA\msvoa10\data\043019\E0697.D	04/30/2019 17:02
09	RC1900049-09	STD #9-200 PPB	I:\ACQUADATA\msvoa10\data\043019\E0698.D	04/30/2019 17:24

Analyte

1,1,1-Trichloroethane (TCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9545	02	1.000	0.8766	03	2.000	0.8483	04	5.000	0.8501
05	20.000	0.8132	06	50.000	0.8804	07	100.000	0.8814	08	150.000	0.9026
09	200.000	0.8894									

1,1,2,2-Tetrachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.995	02	1.000	1.01	03	2.000	1.029	04	5.000	1.095
05	20.000	1.165	06	50.000	1.173	07	100.000	1.213	08	150.000	1.22
09	200.000	1.22									

1,1,2-Trichloro-1,2,2-trifluoroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4322	02	1.000	0.4902	03	2.000	0.4717	04	5.000	0.4684
05	20.000	0.4669	06	50.000	0.5019	07	100.000	0.4957	08	150.000	0.5115
09	200.000	0.5228									

1,1,2-Trichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3936	02	1.000	0.3313	03	2.000	0.3333	04	5.000	0.3615
05	20.000	0.3449	06	50.000	0.3578	07	100.000	0.3629	08	150.000	0.3712
09	200.000	0.3829									

1,1-Dichloroethane (1,1-DCA)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.159	02	1.000	1.154	03	2.000	1.266	04	5.000	1.142
05	20.000	1.128	06	50.000	1.204	07	100.000	1.193	08	150.000	1.237
09	200.000	1.215									

1,1-Dichloroethene (1,1-DCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5869	02	1.000	0.5946	03	2.000	0.5265	04	5.000	0.5002
05	20.000	0.4739	06	50.000	0.5194	07	100.000	0.5101	08	150.000	0.5343
09	200.000	0.5415									

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

1,2,3-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.239	02	1.000	1.229	03	2.000	1.145	04	5.000	1.181
05	20.000	1.23	06	50.000	1.242	07	100.000	1.233	08	150.000	1.215
09	200.000	1.207									

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.35	02	1.000	1.325	03	2.000	1.279	04	5.000	1.171
05	20.000	1.193	06	50.000	1.26	07	100.000	1.258	08	150.000	1.245
09	200.000	1.24									

1,2-Dibromo-3-chloropropane (DBCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.2004	03	2.000	0.2354	04	5.000	0.2285	05	20.000	0.2404
06	50.000	0.2503	07	100.000	0.2599	08	150.000	0.2578	09	200.000	0.2518

1,2-Dibromoethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3655	02	1.000	0.3839	03	2.000	0.3573	04	5.000	0.4044
05	20.000	0.4071	06	50.000	0.4315	07	100.000	0.4295	08	150.000	0.4351
09	200.000	0.4231									

1,2-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.702	02	1.000	1.681	03	2.000	1.801	04	5.000	1.639
05	20.000	1.653	06	50.000	1.7	07	100.000	1.718	08	150.000	1.689
09	200.000	1.665									

1,2-Dichloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6501	02	1.000	0.644	03	2.000	0.5998	04	5.000	0.5855
05	20.000	0.5779	06	50.000	0.6072	07	100.000	0.6065	08	150.000	0.6167
09	200.000	0.6336									

1,2-Dichloropropane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3582	02	1.000	0.4371	03	2.000	0.4387	04	5.000	0.4145
05	20.000	0.4267	06	50.000	0.4325	07	100.000	0.44	08	150.000	0.4429
09	200.000	0.4557									

1,3-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.014	02	1.000	1.639	03	2.000	1.727	04	5.000	1.702
05	20.000	1.625	06	50.000	1.698	07	100.000	1.688	08	150.000	1.665
09	200.000	1.65									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

1,4-Dichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	2.044	02	1.000	1.838	03	2.000	1.649	04	5.000	1.763
05	20.000	1.704	06	50.000	1.731	07	100.000	1.717	08	150.000	1.702
09	200.000	1.702									

1,4-Dioxane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	20.000	0.00659	03	40.000	0.007083	04	100.000	0.006854	05	400.000	0.006706
06	1000.000	0.006978	07	2000.000	0.007205	08	3000.000	0.007518	09	4000.000	0.007325

2-Butanone (MEK)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4491	05	20.000	0.4204	06	50.000	0.4507	07	100.000	0.4693
08	150.000	0.4733	09	200.000	0.4647						

2-Hexanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.4538	05	20.000	0.4704	06	50.000	0.4821	07	100.000	0.4977
08	150.000	0.5009	09	200.000	0.4944						

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.4964	05	20.000	0.4727	06	50.000	0.5433	07	100.000	0.5548
08	200.000	0.5553									

4-Methyl-2-pentanone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	2.000	0.4607	04	5.000	0.5253	05	20.000	0.5634	06	50.000	0.542
07	100.000	0.5698	08	150.000	0.5818	09	200.000	0.5964			

Acetone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	5.000	0.404	05	20.000	0.343	06	50.000	0.3548	07	100.000	0.3461
08	150.000	0.3411	09	200.000	0.3454						

Benzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.618	02	1.000	1.536	03	2.000	1.512	04	5.000	1.479
05	20.000	1.471	06	50.000	1.552	07	100.000	1.543	08	150.000	1.541
09	200.000	1.58									

Bromodichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4426	02	1.000	0.4507	03	2.000	0.4614	04	5.000	0.4614
05	20.000	0.4744	06	50.000	0.4903	07	100.000	0.5067	08	150.000	0.5166
09	200.000	0.5367									

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Bromoform								
#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.1996	03	2.000	0.2188	04	5.000	0.2197
06	50.000	0.2862	07	100.000	0.2985	08	150.000	0.317
						05	20.000	0.2447
						09	200.000	0.3192

Bromomethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.8391	03	2.000	0.7707	04	5.000	0.6523
06	50.000	0.5431	07	100.000	0.8873	08	150.000	0.9299
						05	20.000	0.5121

Carbon Disulfide								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.894	02	1.000	1.642	03	2.000	1.624
05	20.000	1.521	06	50.000	1.522	07	100.000	1.526
09	200.000	1.644				04	5.000	1.403
						08	150.000	1.565

Carbon Tetrachloride								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.4456	02	1.000	0.4585	03	2.000	0.4054
05	20.000	0.4105	06	50.000	0.4385	07	100.000	0.4504
09	200.000	0.4767				04	5.000	0.4263
						08	150.000	0.4579

Chlorobenzene								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.17	02	1.000	1.084	03	2.000	1.121
05	20.000	1.101	06	50.000	1.154	07	100.000	1.151
09	200.000	1.128				04	5.000	1.096
						08	150.000	1.142

Chloroethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5322	02	1.000	0.6565	03	2.000	0.5457
05	20.000	0.4888	06	50.000	0.5426	07	100.000	0.5317
09	200.000	0.5506				04	5.000	0.5202
						08	150.000	0.5503

Chloroform								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.079	02	1.000	1.194	03	2.000	0.9738
05	20.000	0.9726	06	50.000	1.048	07	100.000	1.044
09	200.000	1.06				04	5.000	1.008
						08	150.000	1.066

Chloromethane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.166	02	1.000	0.9348	03	2.000	1.062
05	20.000	0.8718	06	50.000	0.9496	07	100.000	0.9022
09	200.000	0.9641				04	5.000	0.9796
						08	150.000	0.9689

Cyclohexane								
#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1.000	0.5537	03	2.000	0.4632	04	5.000	0.4225
						05	20.000	0.3988

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Cyclohexane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	50.000	0.4275	07	100.000	0.4366	08	150.000	0.4319	09	200.000	0.4452

Dibromochloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3629	02	1.000	0.4183	03	2.000	0.3549	04	5.000	0.3676
05	20.000	0.3738	06	50.000	0.4034	07	100.000	0.4168	08	150.000	0.4259
09	200.000	0.4228									

Dibromofluoromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.3539	05	20.000	0.303	06	50.000	0.3338	07	100.000	0.3319
08	200.000	0.315									

Dichlorodifluoromethane (CFC 12)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6072	02	1.000	0.7337	03	2.000	0.6547	04	5.000	0.7376
05	20.000	0.6868	06	50.000	0.7597	07	100.000	0.7297	08	150.000	0.7613
09	200.000	0.7645									

Dichloromethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.7741	02	1.000	0.6683	03	2.000	0.6019	04	5.000	0.6034
05	20.000	0.5534	06	50.000	0.6066	07	100.000	0.5917	08	150.000	0.6274
09	200.000	0.6242									

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5122	02	1.000	0.6071	03	2.000	0.5722	04	5.000	0.5611
05	20.000	0.5868	06	50.000	0.631	07	100.000	0.6133	08	150.000	0.6236
09	200.000	0.6071									

Isopropylbenzene (Cumene)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.735	02	1.000	1.906	03	2.000	1.835	04	5.000	1.794
05	20.000	1.833	06	50.000	2.026	07	100.000	2.043	08	150.000	2.049
09	200.000	2.012									

Methyl tert-Butyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.925	02	1.000	2.117	03	2.000	1.953	04	5.000	1.974
05	20.000	1.899	06	50.000	2.056	07	100.000	2.034	08	150.000	2.118
09	200.000	2.136									

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.038	02	1.000	1.126	03	2.000	1.109	04	5.000	1.183
05	20.000	1.197	06	50.000	1.344	07	100.000	1.345	08	150.000	1.392

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

Styrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	1.369									

Tetrachloroethene (PCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.3601	02	1.000	0.327	03	2.000	0.346	04	5.000	0.3116
05	20.000	0.2862	06	50.000	0.3265	07	100.000	0.3116	08	150.000	0.314
09	200.000	0.3072									

Toluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	1.562	02	1.000	1.63	03	2.000	1.599	04	5.000	1.573
05	20.000	1.538	06	50.000	1.645	07	100.000	1.636	08	150.000	1.679
09	200.000	1.688									

Toluene-d8

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	1.493	05	20.000	1.265	06	50.000	1.341	07	100.000	1.365
08	200.000	1.314									

Trichloroethene (TCE)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.489	02	1.000	0.4208	03	2.000	0.3859	04	5.000	0.363
05	20.000	0.349	06	50.000	0.3582	07	100.000	0.3583	08	150.000	0.3558
09	200.000	0.3591									

Trichlorofluoromethane (CFC 11)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9529	02	1.000	0.8442	03	2.000	0.8264	04	5.000	0.8506
05	20.000	0.8139	06	50.000	0.903	07	100.000	0.8558	08	150.000	0.8921
09	200.000	0.8883									

Vinyl Chloride

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.9323	02	1.000	0.8918	03	2.000	0.882	04	5.000	0.8745
05	20.000	0.8447	06	50.000	0.9212	07	100.000	0.9009	08	150.000	0.933
09	200.000	0.9461									

cis-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.6566	02	1.000	0.6561	03	2.000	0.5862	04	5.000	0.5856
05	20.000	0.5765	06	50.000	0.6316	07	100.000	0.6195	08	150.000	0.6342
09	200.000	0.6294									

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5999	02	1.000	0.6323	03	2.000	0.5967	04	5.000	0.5906
05	20.000	0.6136	06	50.000	0.6567	07	100.000	0.6752	08	150.000	0.6948

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte

cis-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
09	200.000	0.7071									

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7735	02	2.000	0.7224	03	4.000	0.7458	04	10.000	0.6882
05	40.000	0.7192	06	100.000	0.8006	07	200.000	0.7911	08	300.000	0.7997
09	400.000	0.7931									

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.699	02	1.000	0.7535	03	2.000	0.6826	04	5.000	0.6939
05	20.000	0.7067	06	50.000	0.7767	07	100.000	0.7667	08	150.000	0.7865
09	200.000	0.785									

trans-1,2-Dichloroethene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5544	02	1.000	0.5884	03	2.000	0.5536	04	5.000	0.5346
05	20.000	0.5007	06	50.000	0.5715	07	100.000	0.5716	08	150.000	0.5874
09	200.000	0.5912									

trans-1,3-Dichloropropene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	0.500	0.5295	02	1.000	0.5441	03	2.000	0.5619	04	5.000	0.5437
05	20.000	0.5758	06	50.000	0.6141	07	100.000	0.6315	08	150.000	0.6496
09	200.000	0.6761									

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,1,1-Trichloroethane (TCA)	TRG	Average RF	% RSD	4.5	35	0.8774	
1,1,2,2-Tetrachloroethane	TRG	Average RF	% RSD	8.3	35	1.124	
1,1,2-Trichloro-1,2,2-trifluoroethane	TRG	Average RF	% RSD	5.7	35	0.4846	
1,1,2-Trichloroethane	TRG	Average RF	% RSD	5.9	35	0.3599	
1,1-Dichloroethane (1,1-DCA)	TRG	Average RF	% RSD	3.9	35	1.189	
1,1-Dichloroethene (1,1-DCE)	TRG	Average RF	% RSD	7.3	35	0.5319	
1,2,3-Trichlorobenzene	TRG	Average RF	% RSD	2.6	35	1.213	
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	4.5	35	1.258	
1,2-Dibromo-3-chloropropane (DBCP)	TRG	Average RF	% RSD	8.1	35	0.2406	
1,2-Dibromoethane	TRG	Average RF	% RSD	7.2	35	0.4042	
1,2-Dichlorobenzene	TRG	Average RF	% RSD	2.8	35	1.694	
1,2-Dichloroethane	TRG	Average RF	% RSD	4.1	35	0.6135	
1,2-Dichloropropane	TRG	Average RF	% RSD	6.6	35	0.4274	
1,3-Dichlorobenzene	TRG	Average RF	% RSD	6.9	35	1.712	
1,4-Dichlorobenzene	TRG	Average RF	% RSD	6.7	35	1.761	
1,4-Dioxane	TRG	Average RF	% RSD	4.5	35	0.007032	
2-Butanone (MEK)	TRG	Average RF	% RSD	4.3	35	0.4546	
2-Hexanone	TRG	Average RF	% RSD	3.8	35	0.4832	
4-Bromofluorobenzene	SURR	Average RF	% RSD	7.2	35	0.5245	
4-Methyl-2-pentanone	TRG	Average RF	% RSD	8.3	35	0.5485	
Acetone	TRG	Average RF	% RSD	6.8	35	0.3557	
Benzene	TRG	Average RF	% RSD	3.0	35	1.537	
Bromodichloromethane	TRG	Average RF	% RSD	6.7	35	0.4823	
Bromoform	TRG	Quadratic	COD	0.9972	0.99	0.263	
Bromomethane	TRG	Quadratic	COD	0.9920	0.99	0.7335	
Carbon Disulfide	TRG	Average RF	% RSD	8.5	35	1.593	
Carbon Tetrachloride	TRG	Average RF	% RSD	5.3	35	0.4411	
Chlorobenzene	TRG	Average RF	% RSD	2.6	35	1.127	
Chloroethane	TRG	Average RF	% RSD	8.3	35	0.5465	
Chloroform	TRG	Average RF	% RSD	6.3	35	1.049	
Chloromethane	TRG	Average RF	% RSD	9.0	35	0.9777	
Cyclohexane	TRG	Average RF	% RSD	10.4	35	0.4474	
Dibromochloromethane	TRG	Average RF	% RSD	7.3	35	0.394	
Dibromofluoromethane	SURR	Average RF	% RSD	5.9	35	0.3275	

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Dichlorodifluoromethane (CFC 12)	TRG	Average RF	% RSD	7.6	35	0.715	
Dichloromethane	TRG	Average RF	% RSD	10.0	35	0.6279	
Ethylbenzene	TRG	Average RF	% RSD	6.3	35	0.5905	
Isopropylbenzene (Cumene)	TRG	Average RF	% RSD	6.3	35	1.915	
Methyl tert-Butyl Ether	TRG	Average RF	% RSD	4.4	35	2.024	
Styrene	TRG	Average RF	% RSD	10.6	35	1.234	
Tetrachloroethene (PCE)	TRG	Average RF	% RSD	6.8	35	0.3211	
Toluene	TRG	Average RF	% RSD	3.2	35	1.617	
Toluene-d8	SURR	Average RF	% RSD	6.3	35	1.356	
Trichloroethene (TCE)	TRG	Average RF	% RSD	12.0	35	0.3821	
Trichlorofluoromethane (CFC 11)	TRG	Average RF	% RSD	5.0	35	0.8697	
Vinyl Chloride	TRG	Average RF	% RSD	3.7	35	0.903	
cis-1,2-Dichloroethene	TRG	Average RF	% RSD	4.9	35	0.6195	
cis-1,3-Dichloropropene	TRG	Average RF	% RSD	6.9	35	0.6408	
m,p-Xylenes	TRG	Average RF	% RSD	5.5	35	0.7593	
o-Xylene	TRG	Average RF	% RSD	5.8	35	0.739	
trans-1,2-Dichloroethene	TRG	Average RF	% RSD	5.3	35	0.5615	
trans-1,3-Dichloropropene	TRG	Average RF	% RSD	8.9	35	0.5918	

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900049-10	ICV-50	I:\ACQUADATA\msvoa10\data\043019\E0702.D	04/30/2019 18:53

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,1,1-Trichloroethane (TCA)	50.0	49.1	8.774E-1	8.617E-1	-1.791	±30	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.0	1.124E0	1.125E0	0.018	±30	Average RF
1,1,2-Trichloroethane	50.0	46.8	3.599E-1	3.368E-1	-6.443	±30	Average RF
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.9	4.846E-1	5.317E-1	9.72	±30	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.6	1.189E0	1.155E0	-2.829	±30	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.7	5.319E-1	5.076E-1	-4.576	±30	Average RF
1,2,3-Trichlorobenzene	50.0	49.0	1.213E0	1.188E0	-2.081	±30	Average RF
1,2,4-Trichlorobenzene	50.0	48.5	1.258E0	1.221E0	-2.959	±30	Average RF
1,2-Dibromo-3-chloropropane (DBCP)	50.0	44.8	2.406E-1	2.155E-1	-10.423	±30	Average RF
1,2-Dibromoethane	50.0	50.5	4.042E-1	4.085E-1	1.08	±30	Average RF
1,2-Dichlorobenzene	50.0	46.9	1.694E0	1.591E0	-6.102	±30	Average RF
1,2-Dichloroethane	50.0	47.2	6.135E-1	5.787E-1	-5.674	±30	Average RF
1,2-Dichloropropane	50.0	49.8	4.274E-1	4.26E-1	-0.318	±30	Average RF
1,3-Dichlorobenzene	50.0	48.4	1.712E0	1.656E0	-3.279	±30	Average RF
1,4-Dichlorobenzene	50.0	47.2	1.761E0	1.664E0	-5.503	±30	Average RF
1,4-Dioxane	1000	903	7.032E-3	6.347E-3	-9.746	±30	Average RF
2-Butanone (MEK)	50.0	49.1	4.546E-1	4.468E-1	-1.713	±30	Average RF
2-Hexanone	50.0	46.2	4.832E-1	4.461E-1	-7.689	±30	Average RF
4-Methyl-2-pentanone	50.0	47.7	5.485E-1	5.238E-1	-4.505	±30	Average RF
Acetone	50.0	53.6	3.557E-1	3.816E-1	7.28	±30	Average RF
Benzene	50.0	48.2	1.537E0	1.482E0	-3.541	±30	Average RF
Bromodichloromethane	50.0	49.5	4.823E-1	4.772E-1	-1.061	±30	Average RF
Bromoform	50.0	49.1	2.63E-1	2.613E-1	-1.750	±30	Quadratic
Bromomethane	50.0	46.0	7.335E-1	5.881E-1	-8.007	±30	Quadratic
Carbon Disulfide	50.0	50.2	1.593E0	1.601E0	0.494	±30	Average RF
Carbon Tetrachloride	50.0	49.3	4.411E-1	4.346E-1	-1.468	±30	Average RF
Chlorobenzene	50.0	48.4	1.127E0	1.092E0	-3.124	±30	Average RF
Chloroethane	50.0	42.0	5.465E-1	4.588E-1	-16.048	±30	Average RF
Chloroform	50.0	47.8	1.049E0	1.004E0	-4.351	±30	Average RF
Chloromethane	50.0	47.0	9.777E-1	9.198E-1	-5.919	±30	Average RF
Cyclohexane	50.0	46.7	4.474E-1	4.18E-1	-6.588	±30	Average RF
Dibromochloromethane	50.0	49.0	3.94E-1	3.864E-1	-1.936	±30	Average RF
Dichlorodifluoromethane (CFC 12)	50.0	58.8	7.15E-1	8.407E-1	17.57	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

**Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS**

Calibration ID: RC1900049
Instrument ID: R-MS-10

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Dichloromethane	50.0	46.7	6.279E-1	5.865E-1	-6.592	±30	Average RF
Ethylbenzene	50.0	50.7	5.905E-1	5.99E-1	1.45	±30	Average RF
Isopropylbenzene (Cumene)	50.0	50.1	1.915E0	1.919E0	0.223	±30	Average RF
Methyl tert-Butyl Ether	50.0	49.6	2.024E0	2.008E0	-0.767	±30	Average RF
Styrene	50.0	51.0	1.234E0	1.259E0	2.04	±30	Average RF
Tetrachloroethene (PCE)	50.0	48.6	3.211E-1	3.119E-1	-2.865	±30	Average RF
Toluene	50.0	49.3	1.617E0	1.593E0	-1.454	±30	Average RF
Trichloroethene (TCE)	50.0	47.0	3.821E-1	3.594E-1	-5.934	±30	Average RF
Trichlorofluoromethane (CFC 11)	50.0	50.4	8.697E-1	8.769E-1	0.831	±30	Average RF
Vinyl Chloride	50.0	50.3	9.03E-1	9.092E-1	0.692	±30	Average RF
cis-1,2-Dichloroethene	50.0	49.2	6.195E-1	6.09E-1	-1.695	±30	Average RF
cis-1,3-Dichloropropene	50.0	50.7	6.408E-1	6.496E-1	1.38	±30	Average RF
m,p-Xylenes	100	97.9	7.593E-1	7.436E-1	-2.066	±30	Average RF
o-Xylene	50.0	48.8	7.39E-1	7.216E-1	-2.354	±30	Average RF
trans-1,2-Dichloroethene	50.0	48.7	5.615E-1	5.465E-1	-2.660	±30	Average RF
trans-1,3-Dichloropropene	50.0	51.0	5.918E-1	6.041E-1	2.07	±30	Average RF

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
4-Bromofluorobenzene	50.0	51.6	5.245E-1	5.411E-1	3.15	±30	Average RF
Dibromofluoromethane	50.0	51.3	3.275E-1	3.361E-1	2.61	±30	Average RF
Toluene-d8	50.0	51.1	1.356E0	1.384E0	2.13	±30	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634558
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUADATA\msvoa10\data\050719\E0910.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	09:11:00	
I:\ACQUADATA\msvoa10\data\050719\E0911.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	09:39:00	
I:\ACQUADATA\msvoa10\data\050719\E0912.D\	Lab Control Sample	RQ1904330-03	5/7/2019	10:13:00	
I:\ACQUADATA\msvoa10\data\050719\E0913.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	10:35:00	
I:\ACQUADATA\msvoa10\data\050719\E0915.D\	Method Blank	RQ1904330-05	5/7/2019	11:25:00	
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I:\ACQUADATA\msvoa10\data\050719\E0933.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	18:33:00	
I:\ACQUADATA\msvoa10\data\050719\E0934.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	18:54:00	

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634558
Instrument ID:R-MS-10

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\msvoa10\data\050719 \E0935.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:16:00	
I:\ACQUDATA\msvoa10\data\050719 \E0936.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:38:00	
I:\ACQUDATA\msvoa10\data\050719 \E0937.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:00:00	
I:\ACQUDATA\msvoa10\data\050719 \E0938.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:22:00	
I:\ACQUDATA\msvoa10\data\050719 \E0939.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:44:00	

Analysis: 8260C/624:1 Analyst: R. Myman pH strips: Hyd. 204018 Tune Method: W043019.M
 Date: 05/07/19 Balance ID: MS#10 ResCl strips: HF-083018 Run Method: ↓
 Instr: MS#10 50 mL Class A used for dilution FV Syringes: 181117 LIMS Run#: 634558
 Data Path: j:\acq\data\msvoat4\instID\Date)

Pos.	Sample	Diln.	Diln. Prep./	RL	Tier	Vial	pH	File#	OK?	Comments
1	50-Test STD							E0908	Y	
2	BLK							E0910	Y	
3	Tune Check		(Run as a BLK)							
4	COY									
5	LCS-Acid									
6	LCS-Disp.									
7	BLK									
8	Net BLK									
9	R1904001-001	1.0		6691	II	1	<2	16	Y	
10	R1901227-008	1.0	(0.5 gpb MBL) 5.0 ml (10 ml) / 50 ml	6368	II	1	<2	17	Y	
11	2.0 gpb MBL pt		20 ml mix / 50 ml							
12	R1904001-002	1.0		6691	II	1	<2	19	Y	through > 1.0 MEBs
13		1.0						E0920	Y	
14		1.0						21	Y	
15		1.0						22	Y	
16	R1903979-006	1.0	(624:1)	11868	II	1	<2	23	Y	
17		2.5	20 ml / 50 ml					24	Y	
18	R1903966-001	1.0		6813	II	1	<2	25	Y	
19	R1903956-001	2.5	20 ml / 50 ml (624:1)	19371	IV	2	<2	26	Y	
20	BLK									
21	R1903749-004	2.0	25 ml / 50 ml	7991	II	2	<2	28	Y	
22	R1903989-001	3983	5.0 (10 ml / 50 ml)	12040	II	1-2	<2	29	Y	Tried "1.0" (tea factory) - reported.
24	R1903989-001	1.0		11852	II	1	<2	E0930	Y	
25	R1903918-002	1.0		6673	IV	1	<2	31	Y	
26		1.0	5.0 ml / 50 ml					32	Y	
27	R1903763-007	1.0		6691	IV	1	<2	33	Y	
28		1.0						34	Y	
29		1.0						35	Y	
30		1.0						36	Y	
31		1.0						37	Y	
32	3763-006 MS	1.0						38	Y	
33	-006 DMS	1.0						39	Y	

All samples = 5.0 ml + 5.0 ul combined IS/Surr. 5.0 ml purged

Primary TG: 199136 5.0ul
 Primary HSL: 198696 5.0ml DI
 Primary OCC: 197917 = CCV
 Primary Frt: 198619
 Secondary TG: 198847 2.0ul
 Secondary HSL: 198593
 Secondary OCC: 198044
 Secondary Frt: 198689 5.0ul
 Secondary: 5.0ml
 Combined IS/Surr: 198898
 Surrogate 50: 199035
 Internal Std: 199035
 Reagents: 42ml vials & 5amp - MS/DMS
 Runlog: MSVOA14 1/17/17



Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
1,2-Diphenylhydrazine	24.0 U	48.8	24.0	10	05/08/19 01:16	5/6/19	
2,4,5-Trichlorophenol	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
2,4,6-Trichlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dichlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dimethylphenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,4-Dinitrophenol	29.0 U	488	29.0	10	05/08/19 01:16	5/6/19	
2,4-Dinitrotoluene	27.0 U	48.8	27.0	10	05/08/19 01:16	5/6/19	
2,6-Dinitrotoluene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
2-Chloronaphthalene	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
2-Chlorophenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Methylnaphthalene	1070	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Methylphenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2-Nitroaniline	24.0 U	488	24.0	10	05/08/19 01:16	5/6/19	
2-Nitrophenol	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
3,3'-Dichlorobenzidine	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
3- and 4-Methylphenol Coelution	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
3-Nitroaniline	18.0 U	488	18.0	10	05/08/19 01:16	5/6/19	
4,6-Dinitro-2-methylphenol	37.0 U	488	37.0	10	05/08/19 01:16	5/6/19	
4-Bromophenyl Phenyl Ether	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
4-Chloro-3-methylphenol	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
4-Chloroaniline	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
4-Chlorophenyl Phenyl Ether	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
4-Nitroaniline	19.0 U	488	19.0	10	05/08/19 01:16	5/6/19	
4-Nitrophenol	30.0 U	488	30.0	10	05/08/19 01:16	5/6/19	
Acenaphthene	53.9	48.8	16.0	10	05/08/19 01:16	5/6/19	
Acenaphthylene	15.0 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Anthracene	45.8 J	48.8	14.0	10	05/08/19 01:16	5/6/19	
Benz(a)anthracene	56.0	48.8	10.0	10	05/08/19 01:16	5/6/19	
Benzidine	95.0 U	976	95.0	10	05/08/19 01:16	5/6/19	
Benzo(a)pyrene	46.1 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Benzo(b)fluoranthene	13.0 U	48.8	13.0	10	05/08/19 01:16	5/6/19	
Benzo(g,h,i)perylene	35.0 J	48.8	15.0	10	05/08/19 01:16	5/6/19	
Benzo(k)fluoranthene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Benzyl Alcohol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
2,2'-Oxybis(1-chloropropane)	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Bis(2-chloroethoxy)methane	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Bis(2-chloroethyl) Ether	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Bis(2-ethylhexyl) Phthalate	97.0 U	97.6	97.0	10	05/08/19 01:16	5/6/19	
Butyl Benzyl Phthalate	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Carbazole	13.0 U	48.8	13.0	10	05/08/19 01:16	5/6/19	
Chrysene	85.8	48.8	15.0	10	05/08/19 01:16	5/6/19	
Di-n-butyl Phthalate	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	18.0 U	48.8	18.0	10	05/08/19 01:16	5/6/19	
Dibenz(a,h)anthracene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Dibenzofuran	32.4 J	48.8	13.0	10	05/08/19 01:16	5/6/19	
Diethyl Phthalate	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
Dimethyl Phthalate	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Fluoranthene	168	48.8	14.0	10	05/08/19 01:16	5/6/19	
Fluorene	66.8	48.8	16.0	10	05/08/19 01:16	5/6/19	
Hexachlorobenzene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Hexachlorobutadiene	11.0 U	48.8	11.0	10	05/08/19 01:16	5/6/19	
Hexachlorocyclopentadiene	15.0 U	48.8	15.0	10	05/08/19 01:16	5/6/19	
Hexachloroethane	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
Indeno(1,2,3-cd)pyrene	14.0 U	48.8	14.0	10	05/08/19 01:16	5/6/19	
Isophorone	12.0 U	48.8	12.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodi-n-propylamine	20.0 U	48.8	20.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodimethylamine	24.0 U	48.8	24.0	10	05/08/19 01:16	5/6/19	
N-Nitrosodiphenylamine	47.0 U	48.8	47.0	10	05/08/19 01:16	5/6/19	
Naphthalene	402	48.8	11.0	10	05/08/19 01:16	5/6/19	
Nitrobenzene	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Pentachlorophenol (PCP)	60.0 U	488	60.0	10	05/08/19 01:16	5/6/19	
Phenanthrene	202	48.8	16.0	10	05/08/19 01:16	5/6/19	
Phenol	10.0 U	48.8	10.0	10	05/08/19 01:16	5/6/19	
Pyrene	188	48.8	18.0	10	05/08/19 01:16	5/6/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	35 - 141	05/08/19 01:16	
2-Fluorobiphenyl	79	31 - 118	05/08/19 01:16	
2-Fluorophenol	4 *	10 - 105	05/08/19 01:16	*
Nitrobenzene-d5	74	31 - 110	05/08/19 01:16	
Phenol-d6	37	10 - 107	05/08/19 01:16	
p-Terphenyl-d14	78	10 - 165	05/08/19 01:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
1,2-Diphenylhydrazine	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
2,4,5-Trichlorophenol	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
2,4,6-Trichlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dichlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dimethylphenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,4-Dinitrophenol	58.0 U	94.3	58.0	20	05/15/19 09:54	5/9/19	*
2,4-Dinitrotoluene	54.0 U	94.3	54.0	20	05/15/19 09:54	5/9/19	*
2,6-Dinitrotoluene	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
2-Chloronaphthalene	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
2-Chlorophenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Methylnaphthalene	1630	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Methylphenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2-Nitroaniline	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
2-Nitrophenol	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
3,3'-Dichlorobenzidine	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
3- and 4-Methylphenol Coelution	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
3-Nitroaniline	36.0 U	94.3	36.0	20	05/15/19 09:54	5/9/19	*
4,6-Dinitro-2-methylphenol	74.0 U	94.3	74.0	20	05/15/19 09:54	5/9/19	*
4-Bromophenyl Phenyl Ether	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
4-Chloro-3-methylphenol	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
4-Chloroaniline	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
4-Chlorophenyl Phenyl Ether	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
4-Nitroaniline	38.0 U	94.3	38.0	20	05/15/19 09:54	5/9/19	*
4-Nitrophenol	60.0 U	94.3	60.0	20	05/15/19 09:54	5/9/19	*
Acenaphthene	85.4 J	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Acenaphthylene	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Anthracene	74.4 J	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Benz(a)anthracene	79.7 J	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Benzidine	190 U	1890	190	20	05/15/19 09:54	5/9/19	*
Benzo(a)pyrene	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Benzo(b)fluoranthene	55.5 J	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Benzo(g,h,i)perylene	57.6 J	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Benzo(k)fluoranthene	44.4 J	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Benzyl Alcohol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
2,2'-Oxybis(1-chloropropane)	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Bis(2-chloroethoxy)methane	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Bis(2-chloroethyl) Ether	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Bis(2-ethylhexyl) Phthalate	194 U	194	194	20	05/15/19 09:54	5/9/19	*
Butyl Benzyl Phthalate	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Carbazole	26.0 U	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Chrysene	112	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Di-n-butyl Phthalate	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request: R1903956
Date Collected: 05/01/19 15:18
Date Received: 05/02/19 16:23

Sample Name: IDW-2
Lab Code: R1903956-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

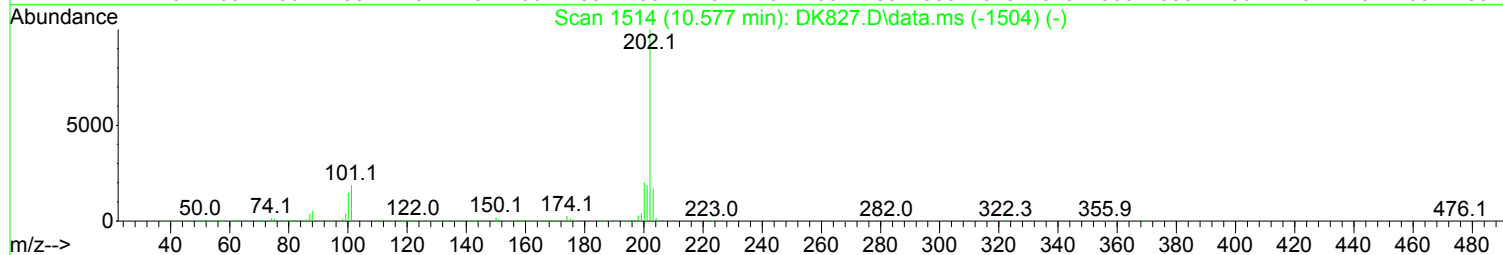
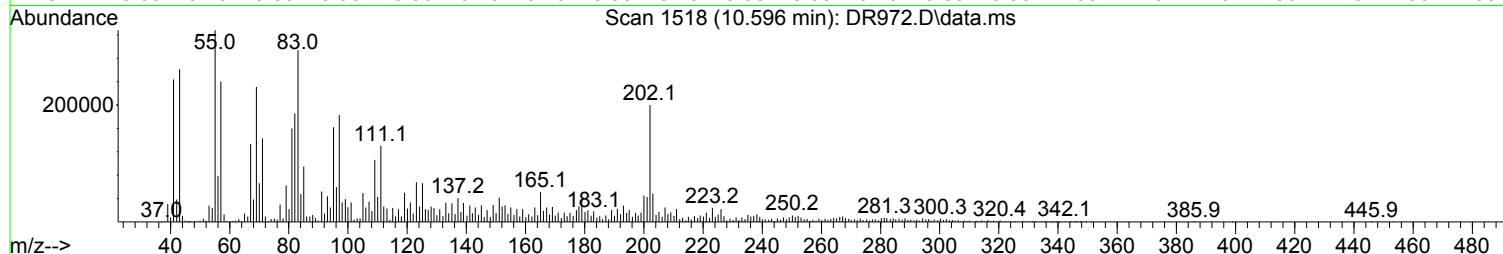
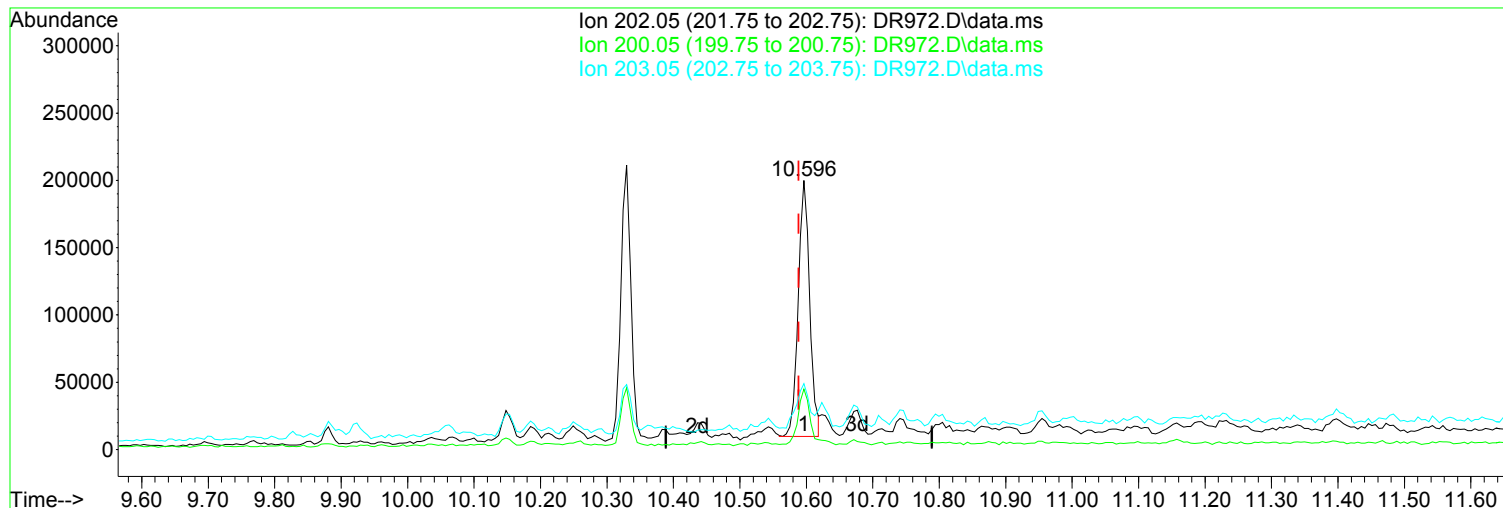
Analysis Method: 625.1
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Di-n-octyl Phthalate	36.0 U	94.3	36.0	20	05/15/19 09:54	5/9/19	*
Dibenz(a,h)anthracene	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Dibenzofuran	50.6 J	94.3	26.0	20	05/15/19 09:54	5/9/19	*
Diethyl Phthalate	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
Dimethyl Phthalate	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Fluoranthene	262	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Fluorene	116	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Hexachlorobenzene	28.0 U	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Hexachlorobutadiene	22.0 U	94.3	22.0	20	05/15/19 09:54	5/9/19	*
Hexachlorocyclopentadiene	30.0 U	94.3	30.0	20	05/15/19 09:54	5/9/19	*
Hexachloroethane	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
Indeno(1,2,3-cd)pyrene	33.7 J	94.3	28.0	20	05/15/19 09:54	5/9/19	*
Isophorone	24.0 U	94.3	24.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodi-n-propylamine	40.0 U	94.3	40.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodimethylamine	48.0 U	94.3	48.0	20	05/15/19 09:54	5/9/19	*
N-Nitrosodiphenylamine	94.0 U	94.3	94.0	20	05/15/19 09:54	5/9/19	*
Naphthalene	584	94.3	22.0	20	05/15/19 09:54	5/9/19	*
Nitrobenzene	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Pentachlorophenol (PCP)	120 U	943	120	20	05/15/19 09:54	5/9/19	*
Phenanthrene	320	94.3	32.0	20	05/15/19 09:54	5/9/19	*
Phenol	20.0 U	94.3	20.0	20	05/15/19 09:54	5/9/19	*
Pyrene	295	94.3	36.0	20	05/15/19 09:54	5/9/19	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0 *	35 - 141	05/15/19 09:54	D
2-Fluorobiphenyl	0 *	31 - 118	05/15/19 09:54	D
2-Fluorophenol	0 *	10 - 105	05/15/19 09:54	D
Nitrobenzene-d5	0 *	31 - 110	05/15/19 09:54	D
Phenol-d6	0 *	10 - 107	05/15/19 09:54	D
p-Terphenyl-d14	0 *	10 - 165	05/15/19 09:54	D

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR972.D\data.ms

(123) Pyrene (TM)

Manual Integration:

10.596min (+ 0.007) 19.24 ppm m

After

response 227983

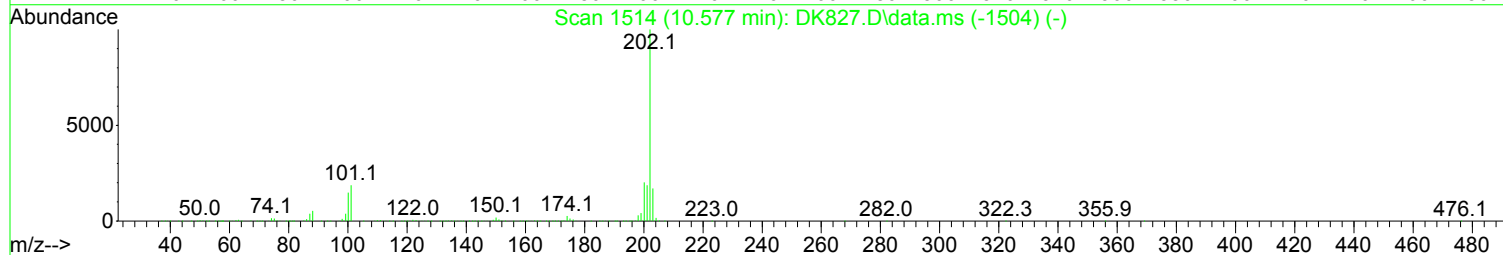
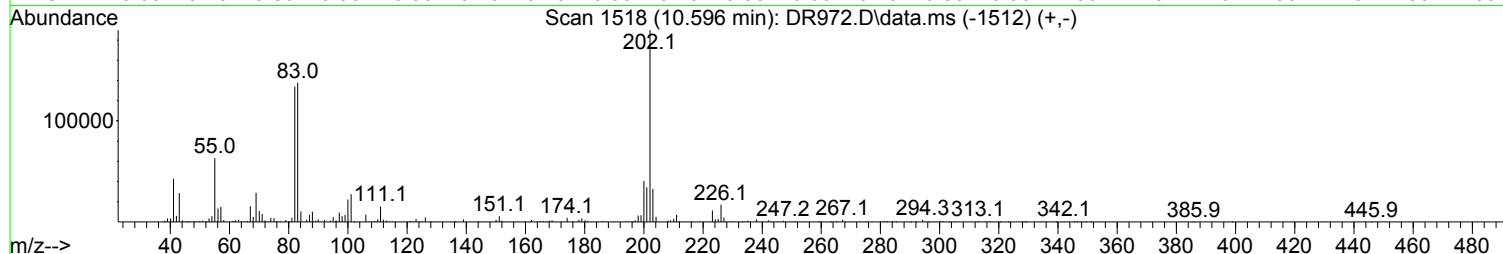
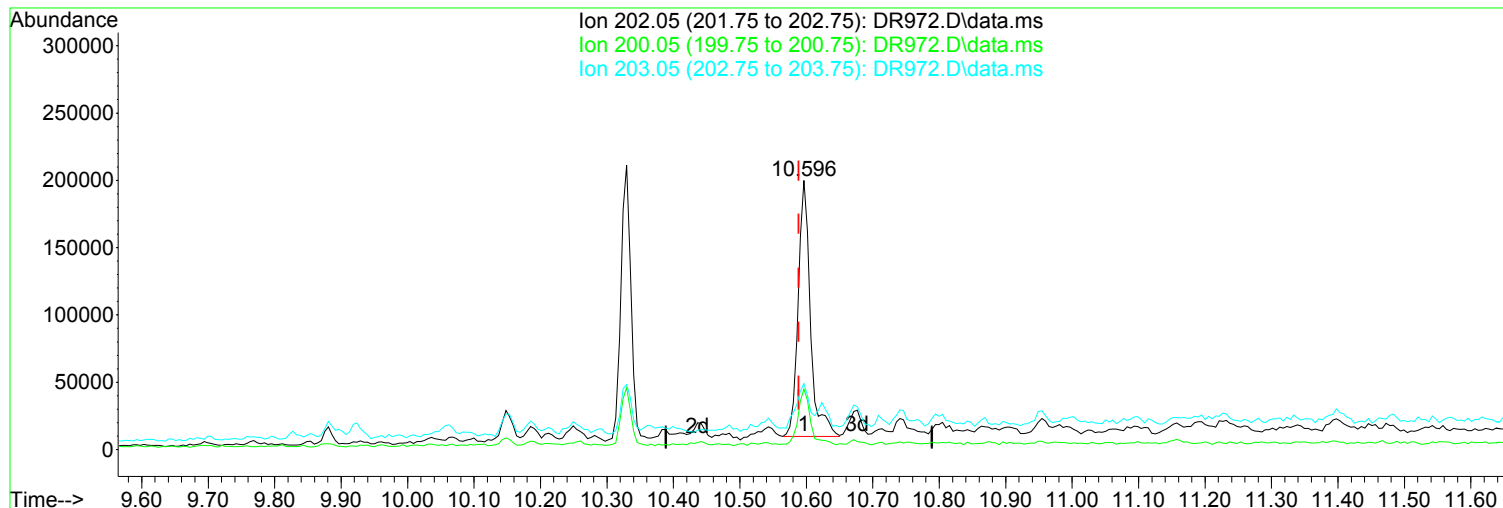
Poor integration.

Ion	Exp%	Act%
202.05	100.00	100.00
200.05	21.90	22.42
203.05	17.30	24.54
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR972.D\data.ms

(123) Pyrene (TM)

Manual Integration:

10.596min (+ 0.007) 20.62 ppm

Before

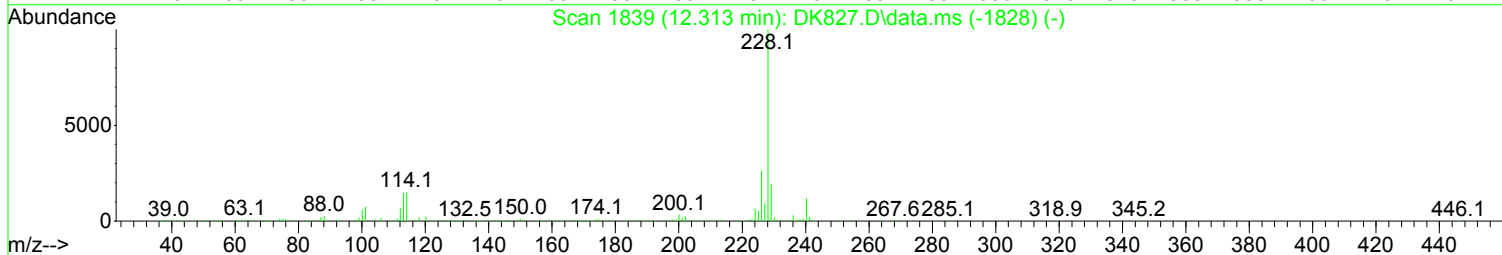
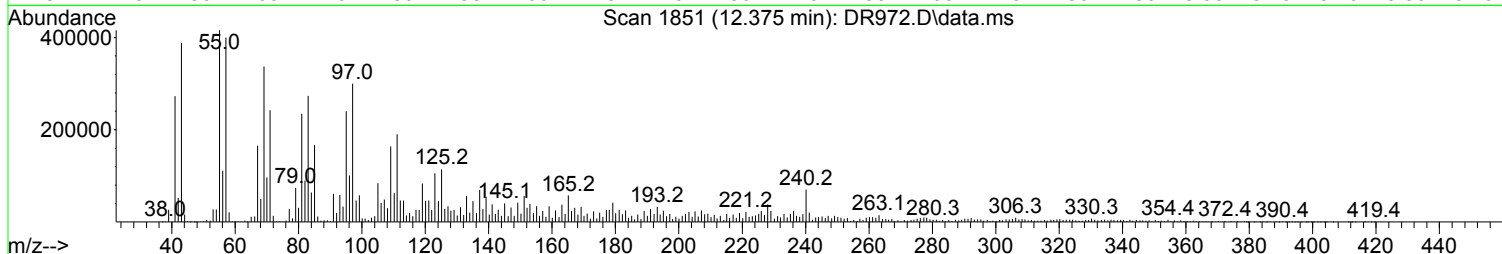
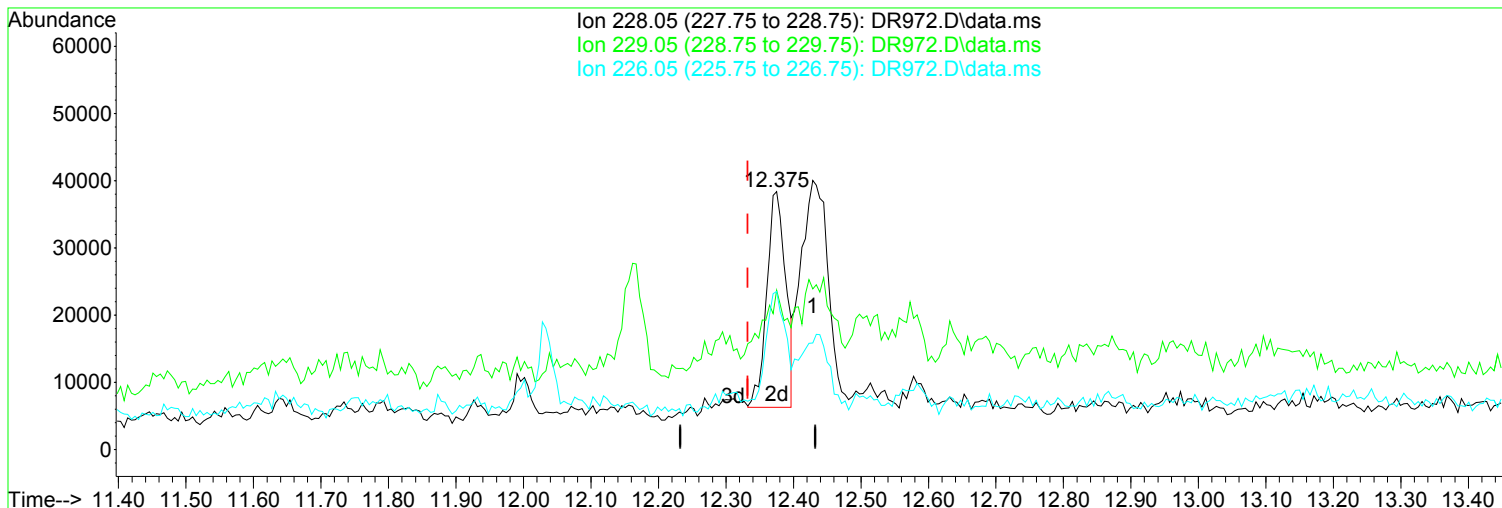
response 244228

Ion	Exp%	Act%
202.05	100.00	100.00
200.05	21.90	21.45
203.05	17.30	17.14
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(132) Benzo(a)anthracene (TM)

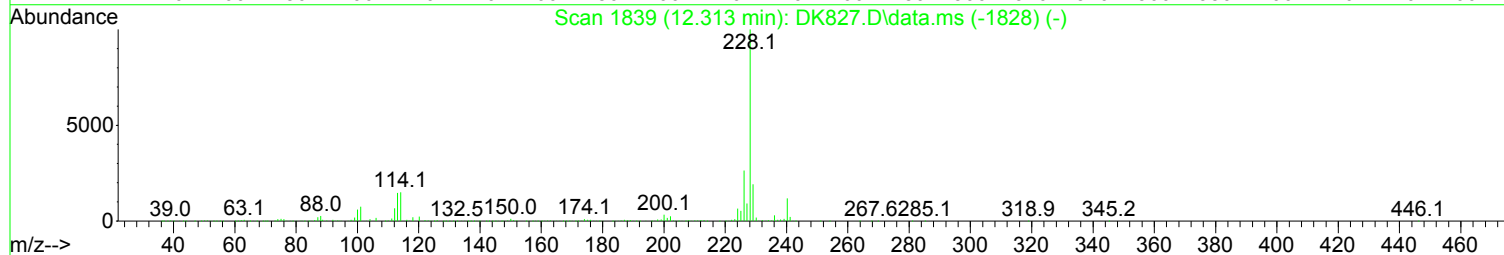
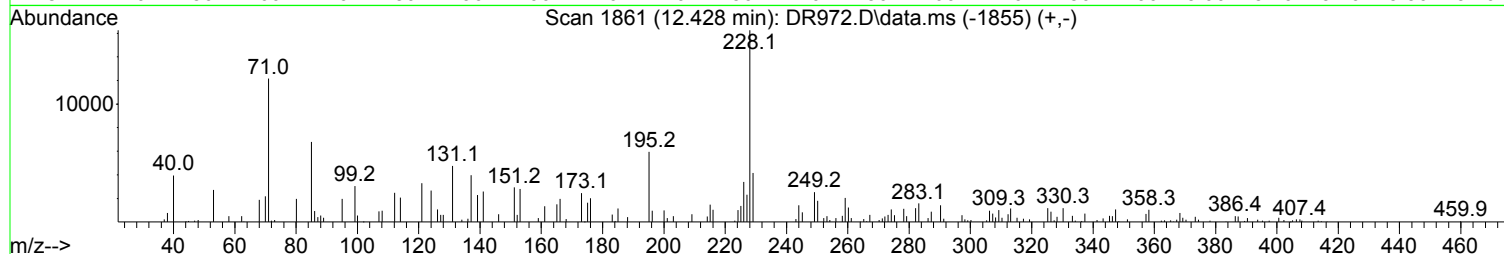
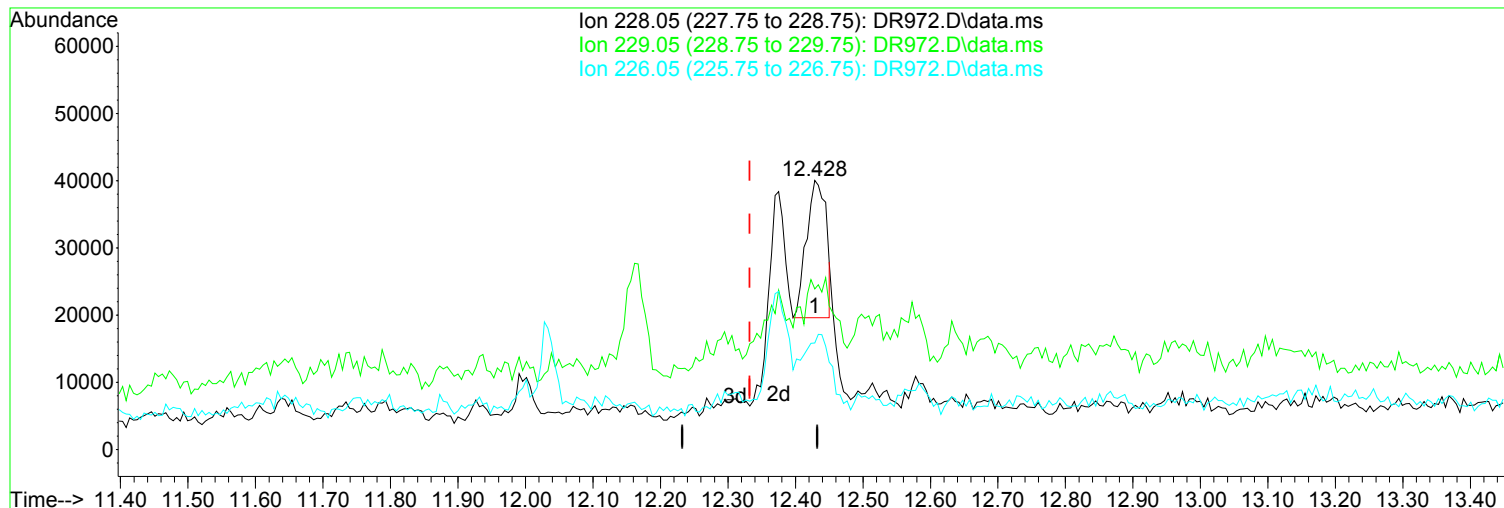
12.375min (+ 0.042) 5.74 ppm m

response	62880
Ion	Exp% Act%
228.05	100.00 100.00
229.05	19.80 61.86#
226.05	27.90 61.28#
0.00	0.00 0.00

Manual Integration:
After
Wrong peak selected.
05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR972.D\data.ms

(132) Benzo(a)anthracene (TM)

Manual Integration:

12.428min (+ 0.096) 3.76 ppm

Before

response 41139

Ion Exp% Act%

05/08/19

228.05 100.00 100.00

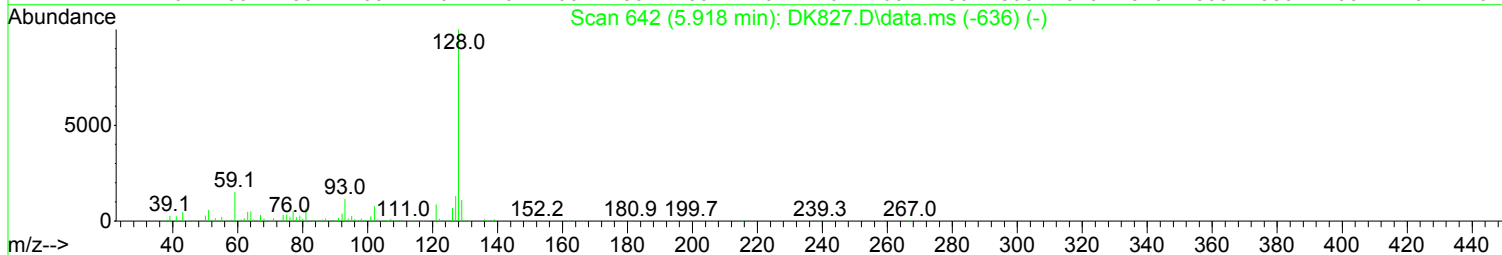
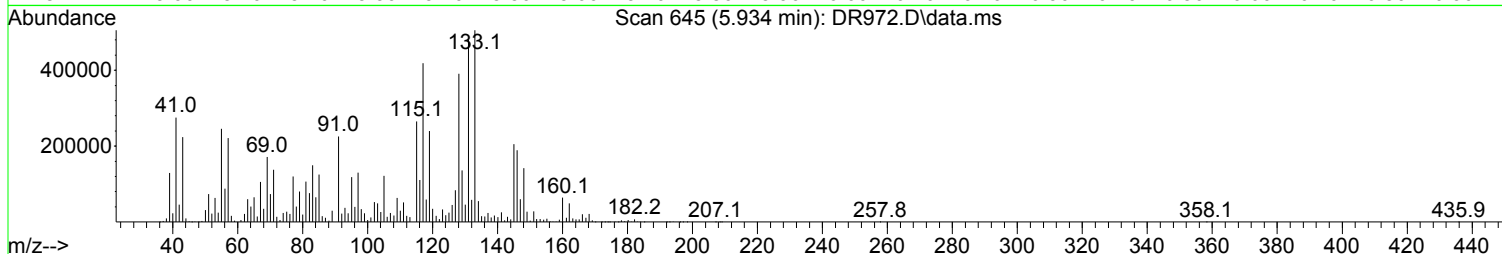
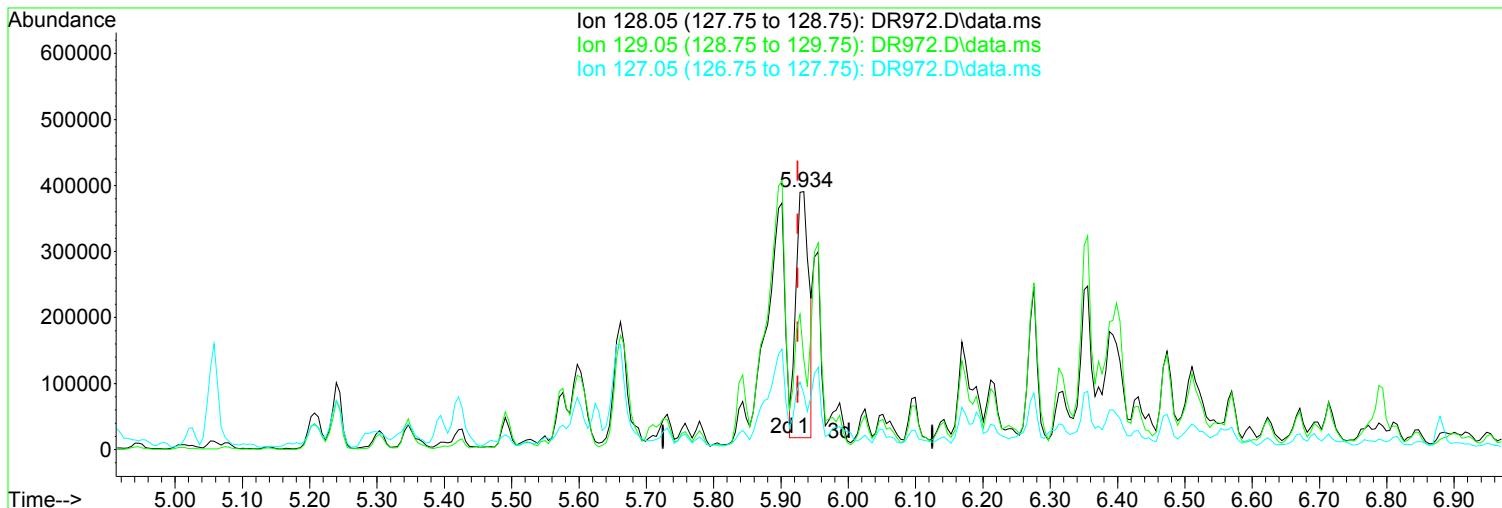
229.05 19.80 25.53

226.05 27.90 20.97

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(45) Naphthalene (TM)

Manual Integration:

5.934min (+ 0.009) 41.18 ppm m

After

response 506244

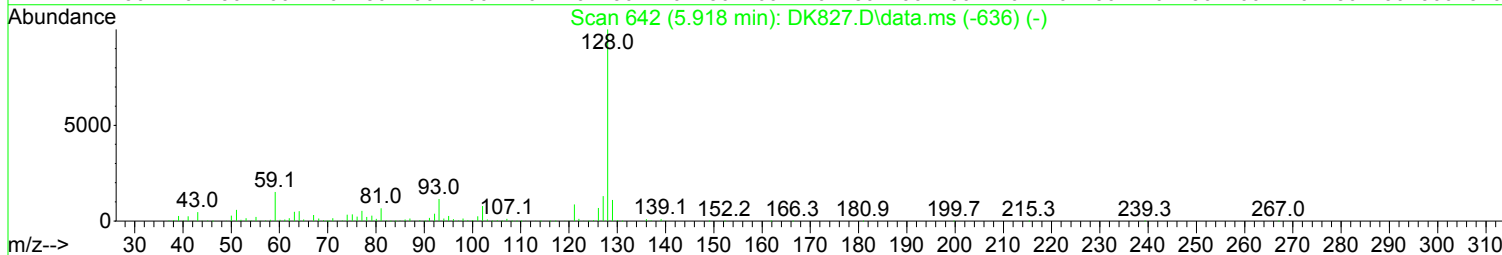
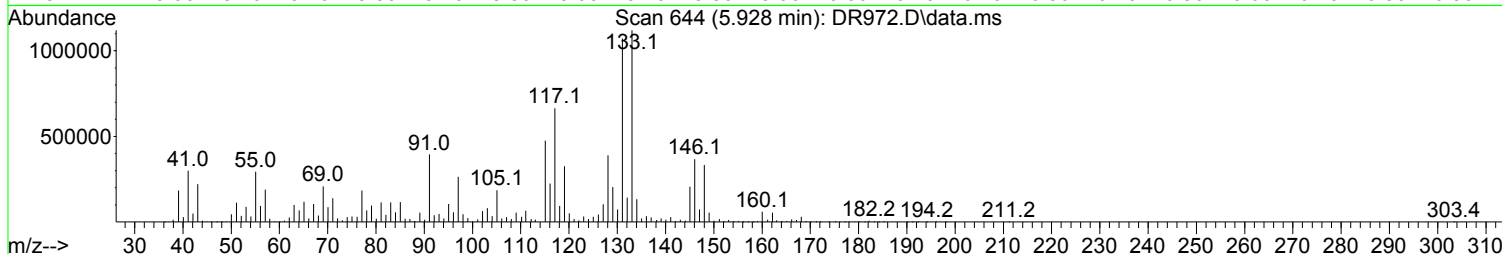
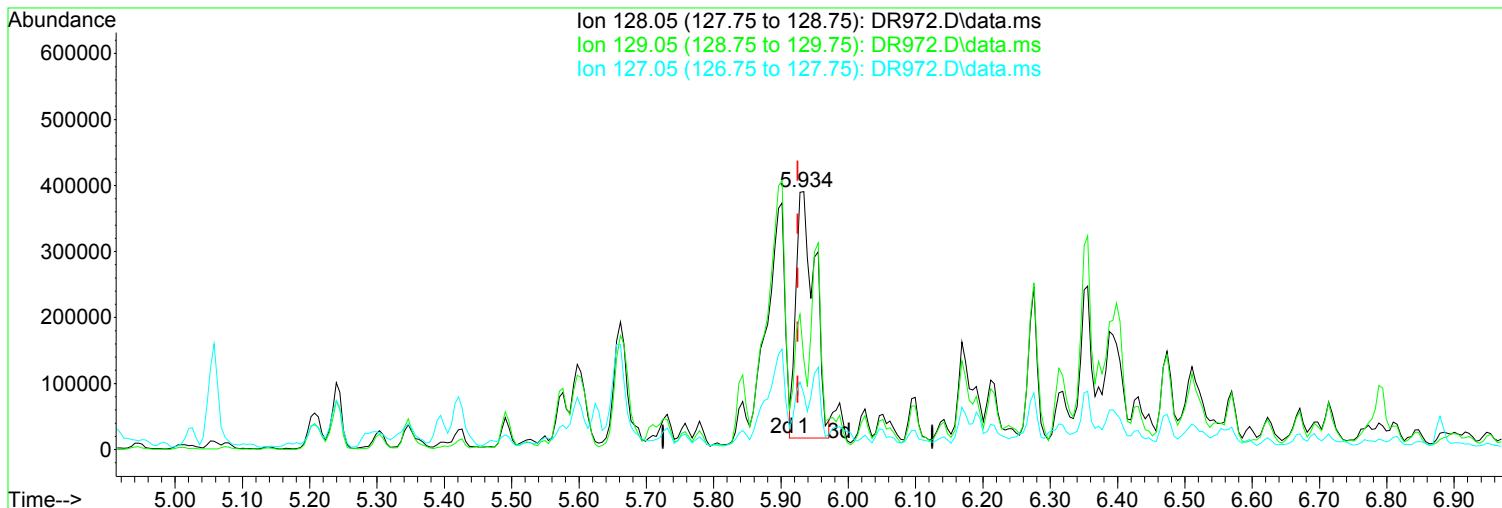
Split Peak.

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	34.84#
127.05	13.10	21.42
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(45) Naphthalene (TM)

Manual Integration:

5.934min (+ 0.009) 59.40 ppm

Before

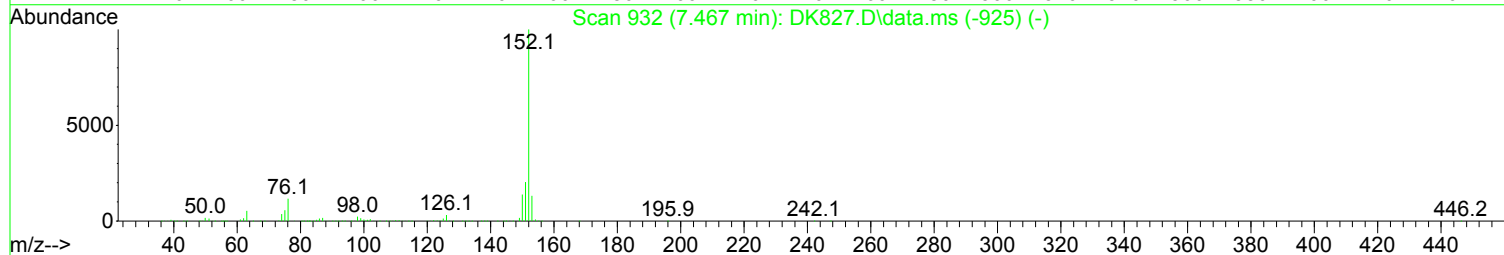
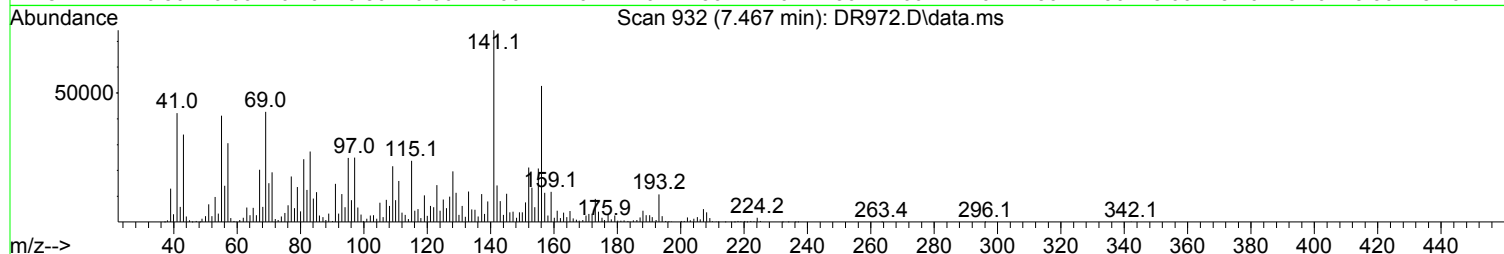
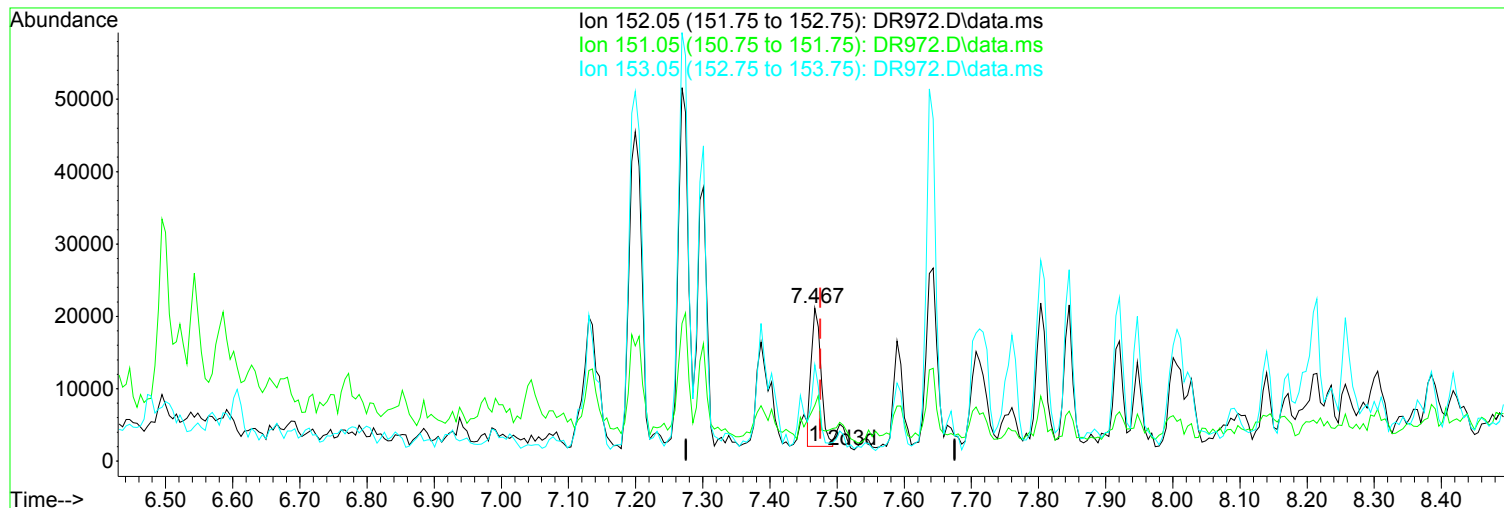
response 730275

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	24.58
127.05	13.10	16.52
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(70) Acenaphthylene (TM)

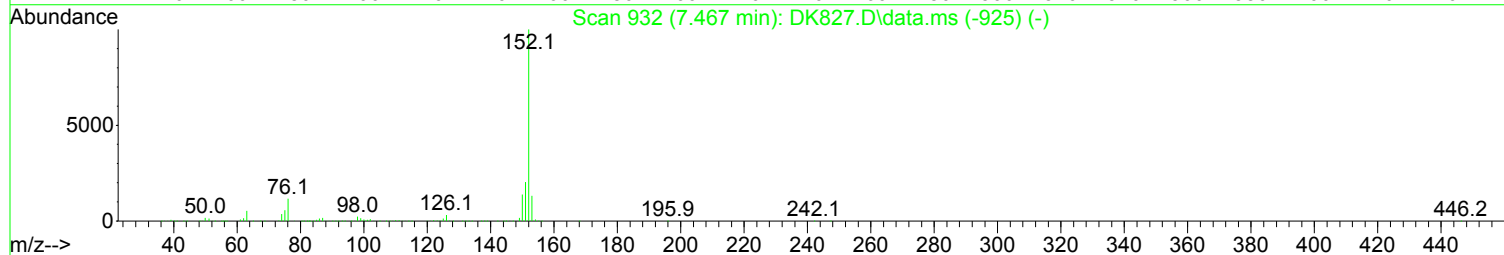
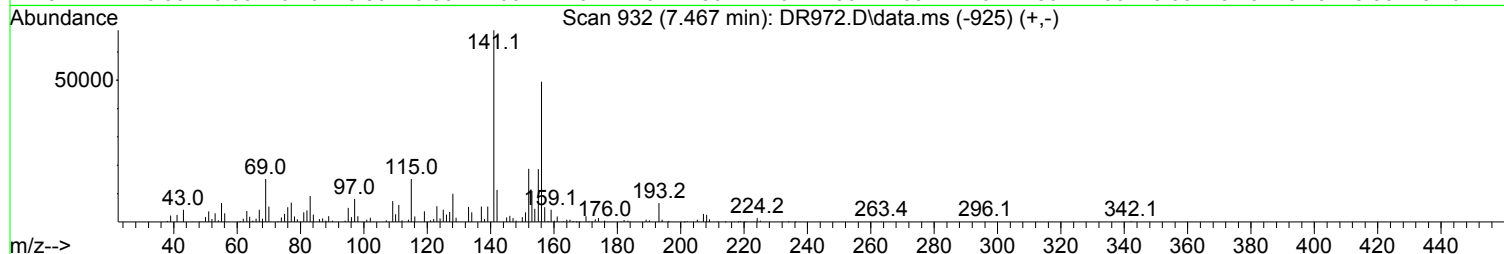
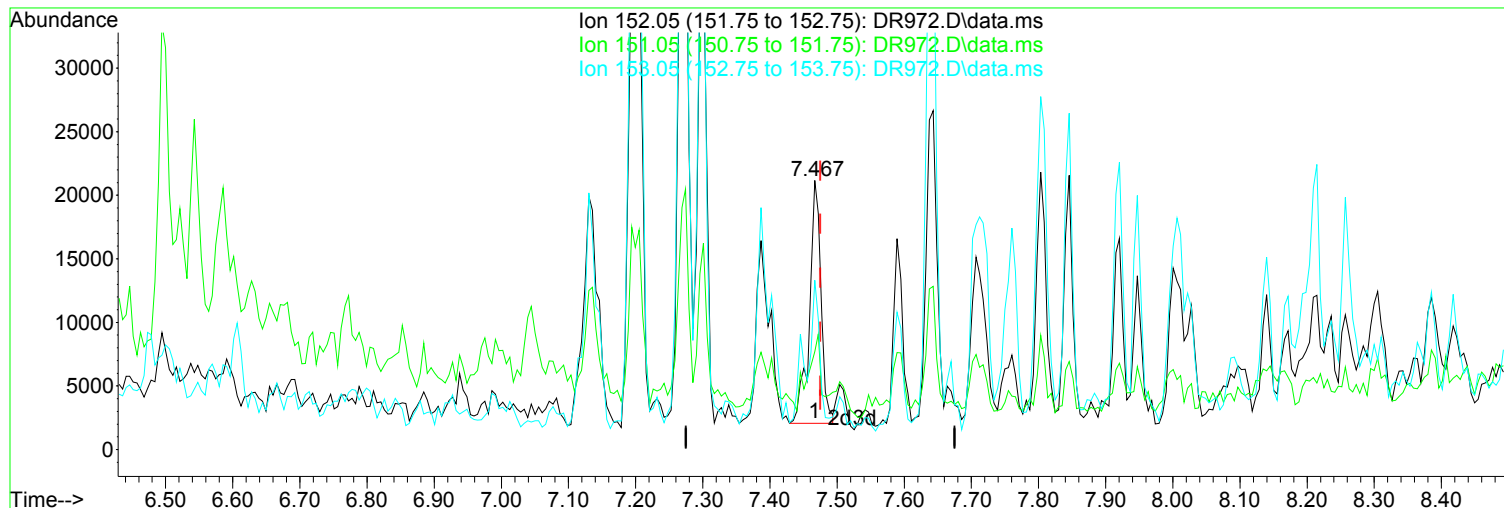
7.467min (-0.009) 1.54 ppm m

response	19122
Ion	Exp% Act%
152.05	100.00 100.00
151.05	20.30 36.38
153.05	13.80 62.93#
0.00	0.00 0.00

Manual Integration:
After
Poor integration.
05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR972.D\data.ms

(70) Acenaphthylene (TM)

Manual Integration:

7.467min (-0.009) 1.85 ppm

Before

response 22963

Ion	Exp%	Act%
152.05	100.00	100.00
151.05	20.30	18.30
153.05	13.80	58.57#
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

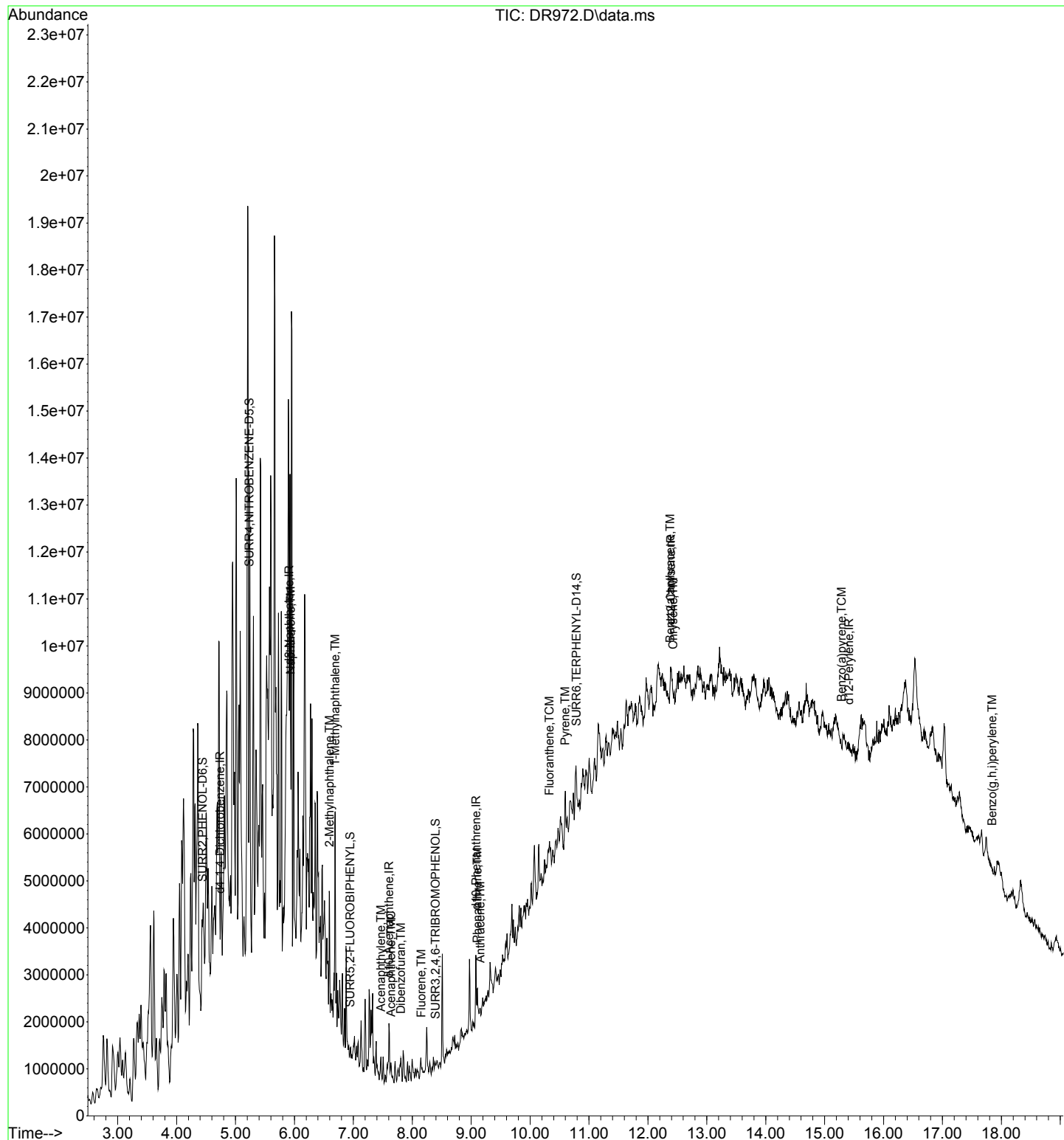
Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

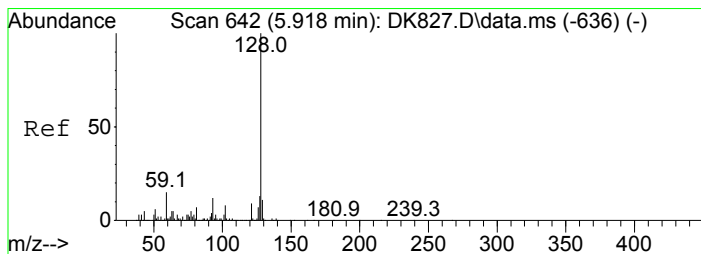
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.737	152	120462	40.00	ppm	0.00	
33) d8-Naphthalene	5.912	136	446090	40.00	ppm	0.00	
57) d10-Acenaphthene	7.606	164	242391	40.00	ppm	0.00	
91) d10-Phenanthrene	9.080	188	390724	40.00	ppm	0.00	
117) d12-Chrysene	12.391	240	322605	40.00	ppm	0.04	
135) d12-Perylene	15.414	264	285918	40.00	ppm	0.12	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.658	112	1929	0.44	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.44%#	
12) SURR2,PHENOL-D6	4.438	99	20022	3.72	ppm	0.01	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	3.72%#	
34) SURR4,NITROBENZENE-D5	5.234	82	16678m	3.68	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	7.36%#	
63) SURR5,2-FLUOROBIPHENYL	6.943	172	36358	3.94	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	7.88%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.396	330	7759	7.82	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	7.82%#	
124) SURR6,TERPHENYL-D14	10.783	244	29813	3.92	ppm	0.01	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	7.84%#	
Target Compounds							
							Qvalue
45) Naphthalene	5.934	128	506244m	41.176	ppm		
55) 2-Methylnaphthalene	6.596	142	873540	109.786	ppm		97
56) 1-Methylnaphthalene	6.692	142	1165484	156.563	ppm		98
70) Acenaphthylene	7.467	152	19122m	1.538	ppm		
73) Acenaphthene	7.638	153	47794	5.527	ppm		96
76) Dibenzofuran	7.808	168	35421	3.317	ppm		91
83) Fluorene	8.150	166	60135	6.849	ppm		94
111) Phenanthrene	9.106	178	256439	20.753	ppm		99
112) Anthracene	9.154	178	57603	4.692	ppm		87
116) Fluoranthene	10.329	202	218193	17.248	ppm		95
123) Pyrene	10.596	202	227983m	19.245	ppm		
132) Benzo(a)anthracene	12.375	228	62880m	5.740	ppm		
133) Chrysene	12.428	228	88580	8.790	ppm		90
140) Benzo(a)pyrene	15.286	252	38697	4.729	ppm		81
144) Benzo(g,h,i)perylene	17.844	276	24834	3.591	ppm		97

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

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR972.D
Acq On : 8 May 2019 1:16 am
Operator : JMisiurewicz
Sample : R1903956-001|10
Misc : 335966 625
ALS Vial : 31 Sample Multiplier: 1

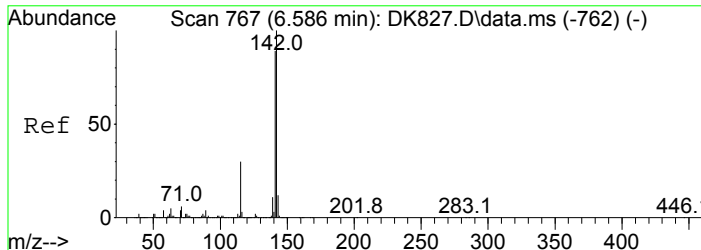
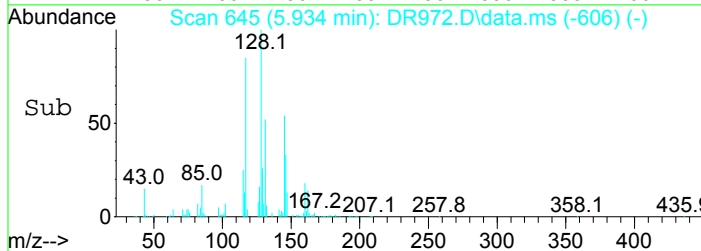
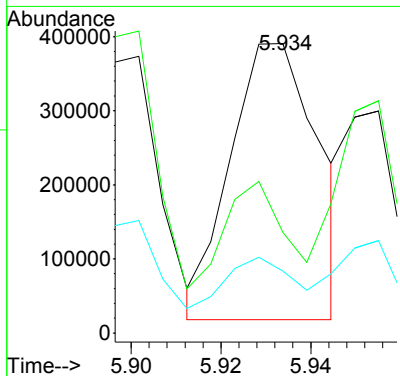
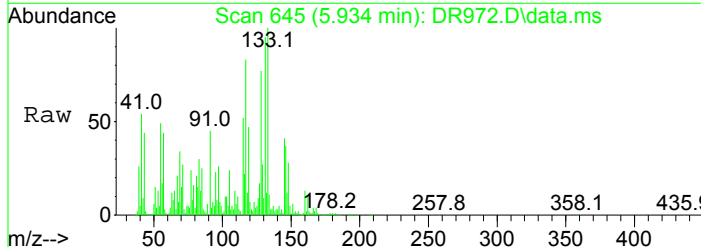
Quant Time: May 08 13:30:45 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
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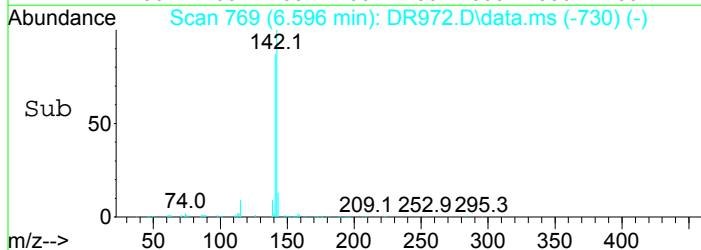
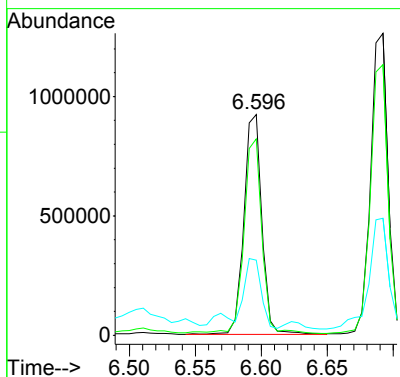
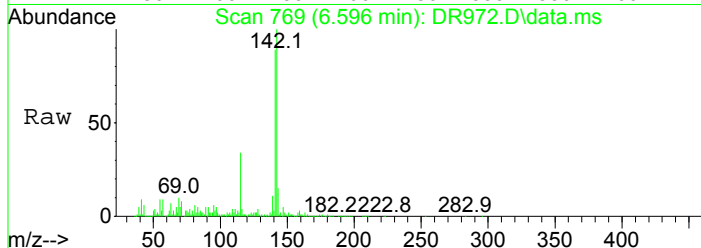
#45
 Naphthalene
 Concen: 41.18 ppm m
 RT: 5.934 min Scan# 645
 Delta R.T. 0.009 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

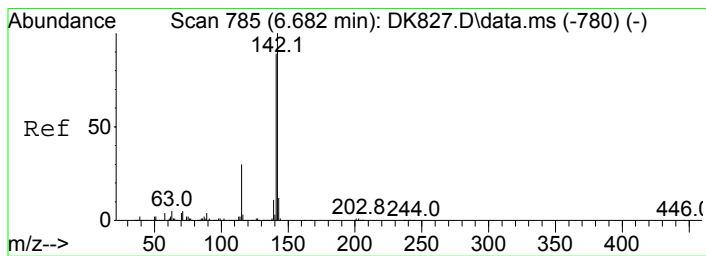
Tgt Ion	Resp	Lower	Upper
128	506244		
129	34.8	0.0	31.1#
127	21.4	0.0	33.1



#55
 2-Methylnaphthalene
 Concen: 109.79 ppm
 RT: 6.596 min Scan# 769
 Delta R.T. 0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

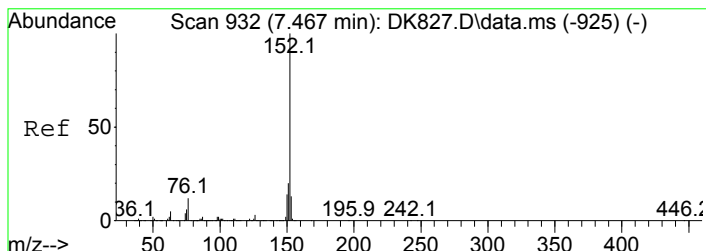
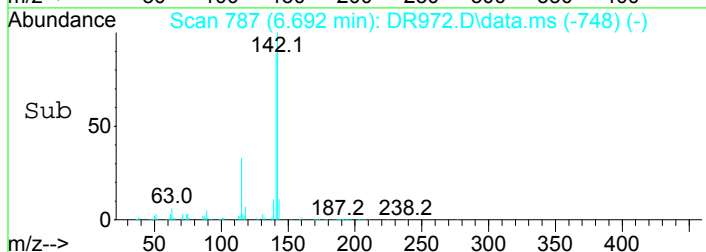
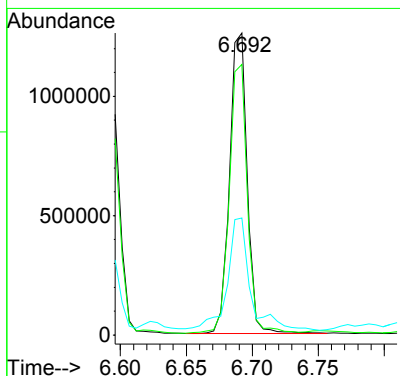
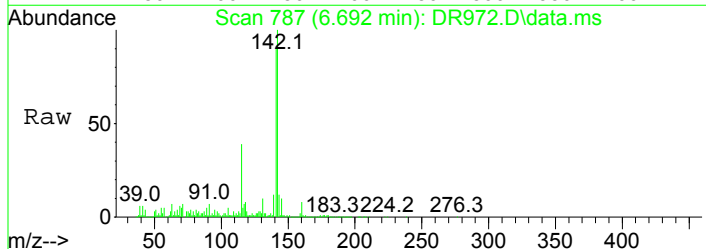
Tgt Ion	Resp	Lower	Upper
142	873540		
141	88.4	70.1	110.1
115	29.0	12.3	52.3





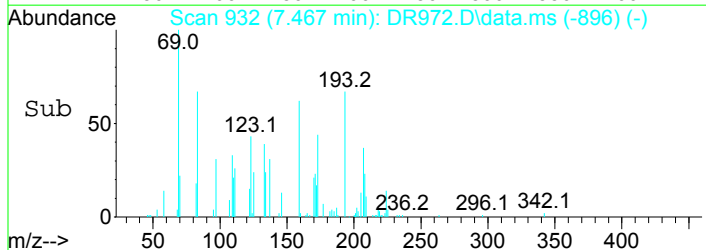
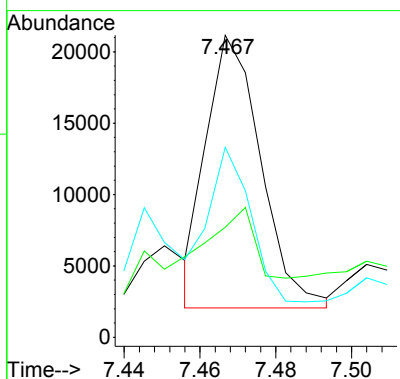
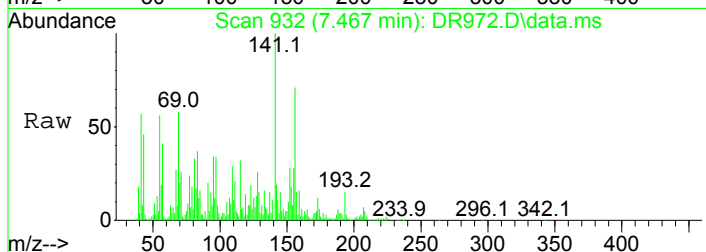
#56
 1-Methylnaphthalene
 Concen: 156.56 ppm
 RT: 6.692 min Scan# 787
 Delta R.T. 0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

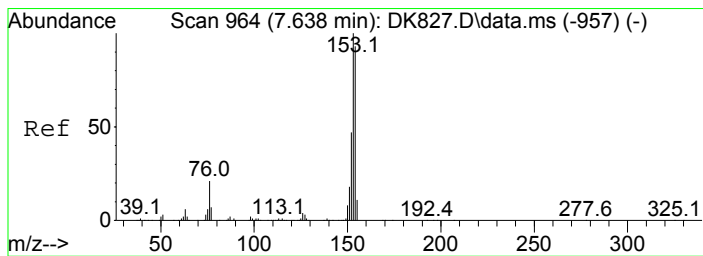
Tgt Ion	Resp	Lower	Upper
142	1165484		
141	89.1	60.3	120.3
115	37.1	3.8	63.8



#70
 Acenaphthylene
 Concen: 1.54 ppm m
 RT: 7.467 min Scan# 932
 Delta R.T. -0.009 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

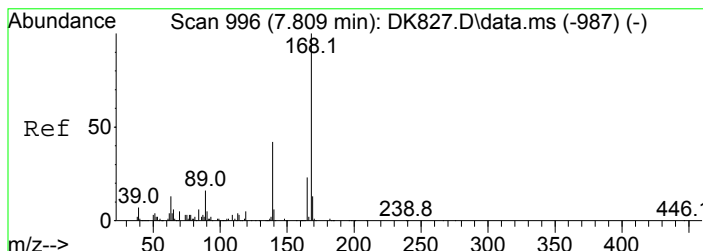
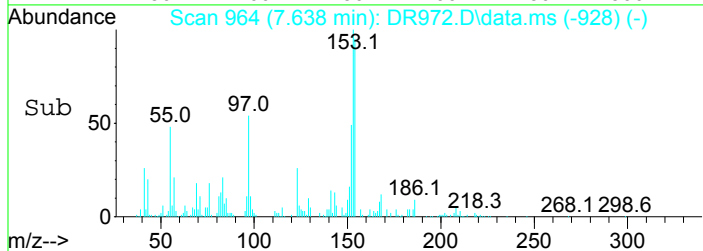
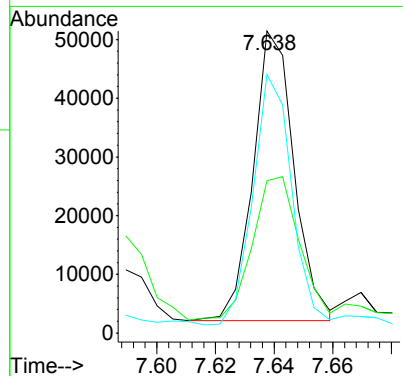
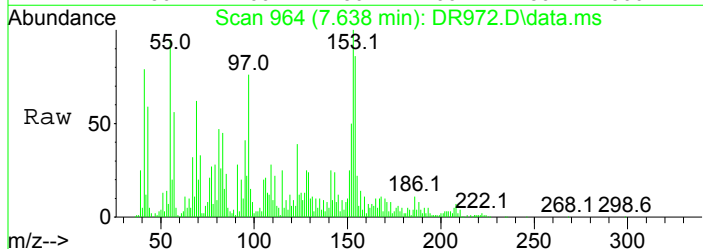
Tgt Ion	Resp	Lower	Upper
152	19122		
151	36.4	0.3	40.3
153	62.9	0.0	33.8#





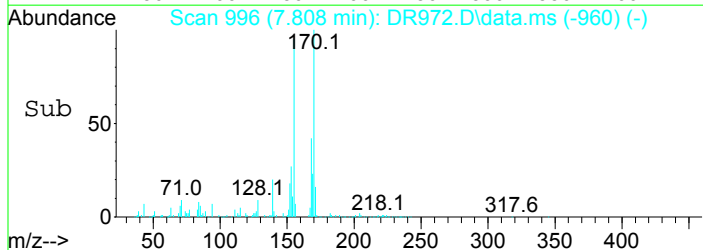
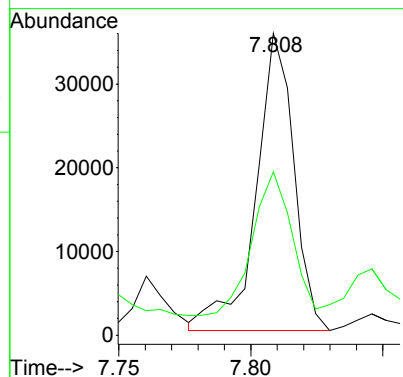
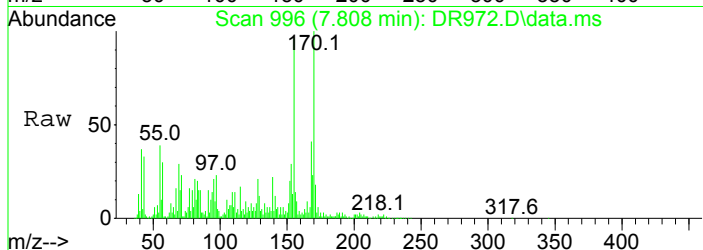
#73
 Acenaphthene
 Concen: 5.53 ppm
 RT: 7.638 min Scan# 964
 Delta R.T. -0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

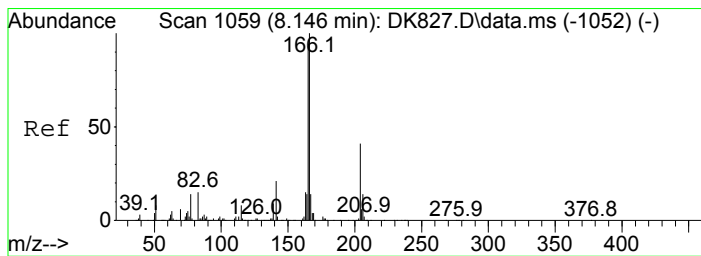
Tgt Ion	Resp	Lower	Upper
153	100		
152	47.7	28.6	68.6
154	86.4	71.4	111.4



#76
 Dibenzofuran
 Concen: 3.32 ppm
 RT: 7.808 min Scan# 996
 Delta R.T. -0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

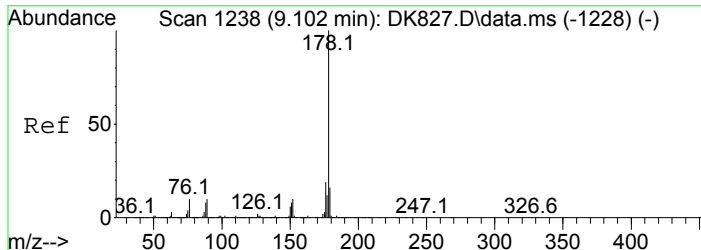
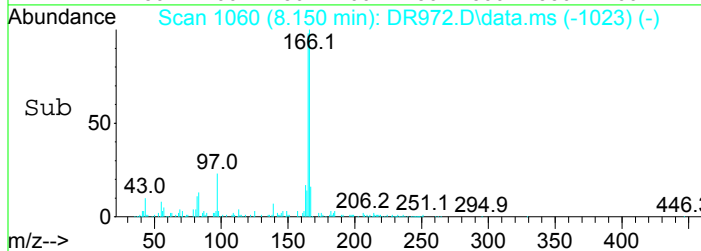
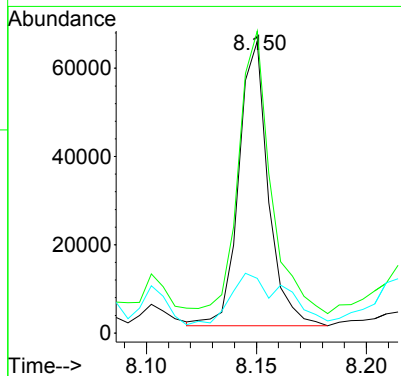
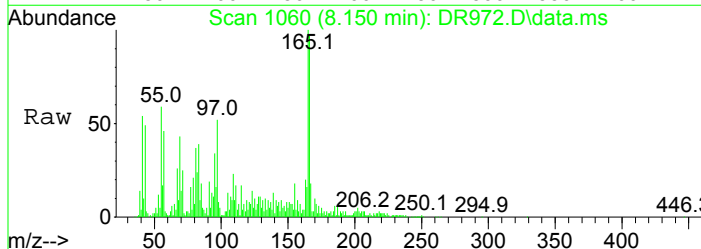
Tgt Ion	Resp	Lower	Upper
168	100		
139	47.1	21.3	61.3





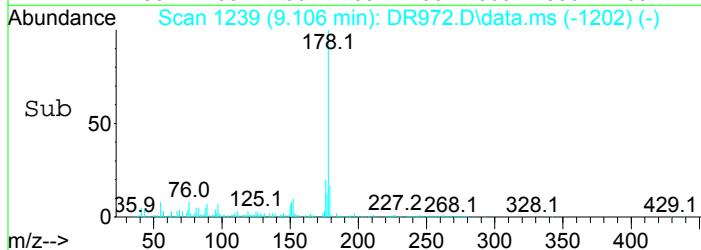
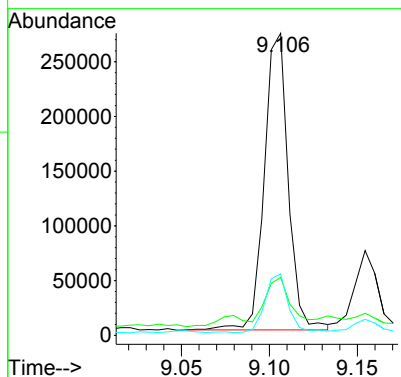
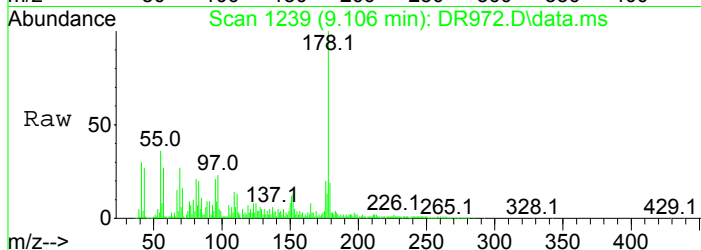
#83
 Fluorene
 Concen: 6.85 ppm
 RT: 8.150 min Scan# 1060
 Delta R.T. -0.003 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

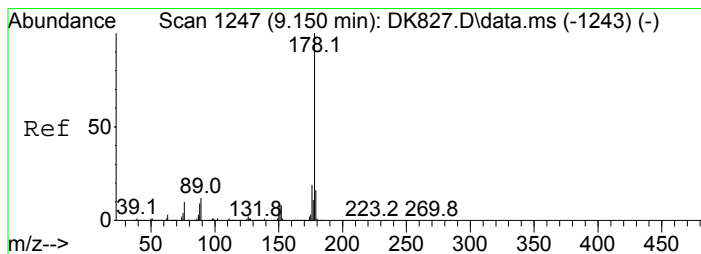
Tgt Ion	Resp	Lower	Upper
166	100		
165	99.0	62.9	122.9
167	15.7	0.0	44.2



#111
 Phenanthrene
 Concen: 20.75 ppm
 RT: 9.106 min Scan# 1239
 Delta R.T. -0.003 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

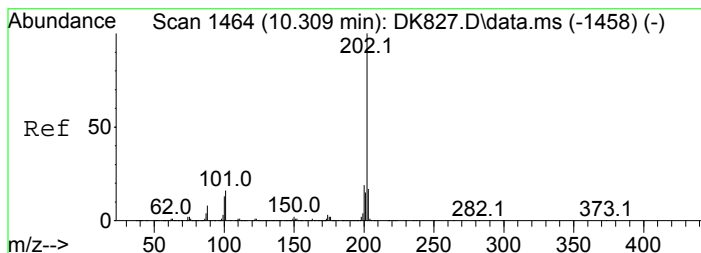
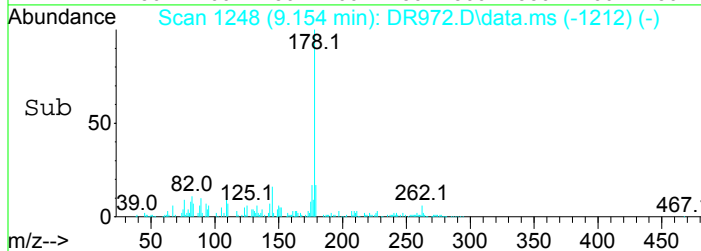
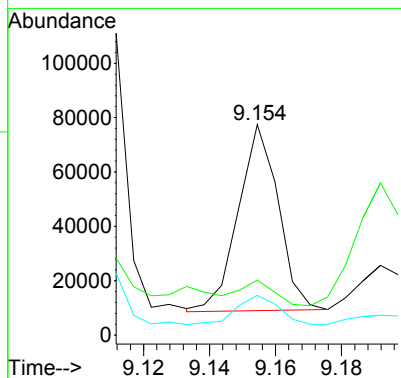
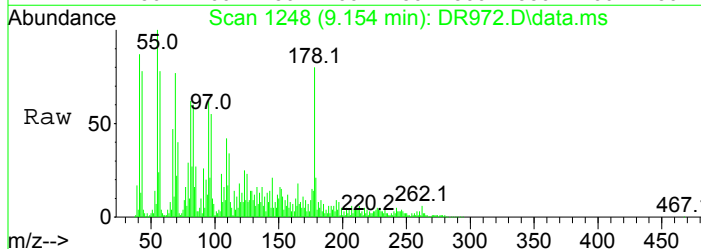
Tgt Ion	Resp	Lower	Upper
178	100		
179	14.8	0.0	35.4
176	19.4	0.0	39.9





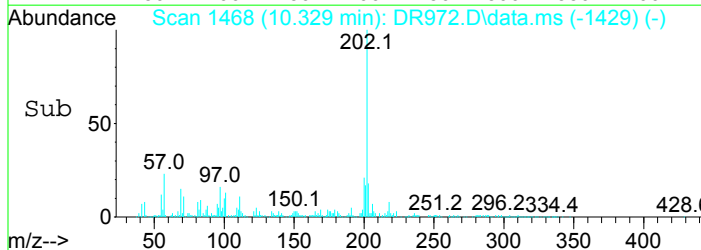
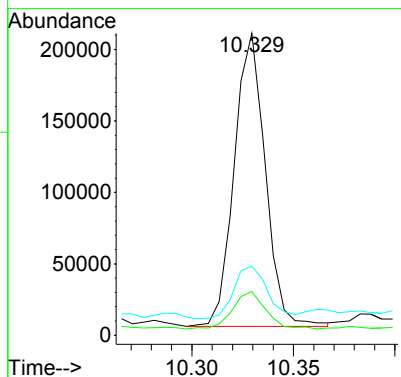
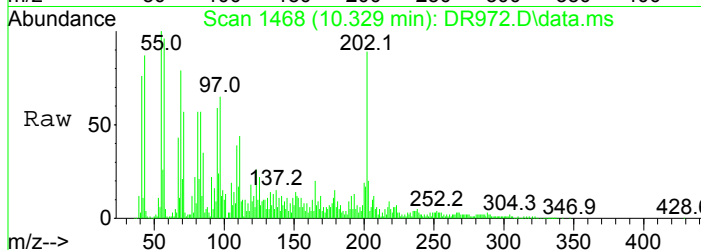
#112
 Anthracene
 Concen: 4.69 ppm
 RT: 9.154 min Scan# 1248
 Delta R.T. -0.006 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

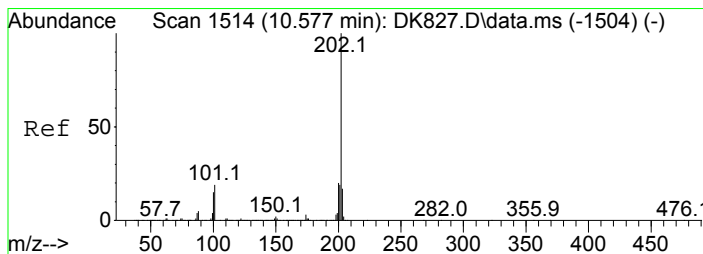
Tgt Ion	Resp	Lower	Upper
178	100		
179	6.2	0.0	35.4
176	15.7	0.0	38.0



#116
 Fluoranthene
 Concen: 17.25 ppm
 RT: 10.329 min Scan# 1468
 Delta R.T. 0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

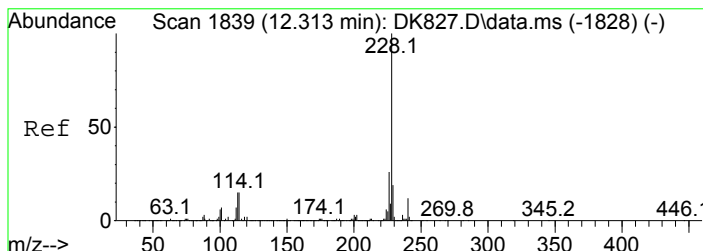
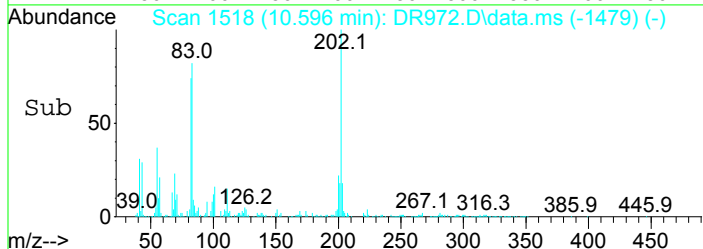
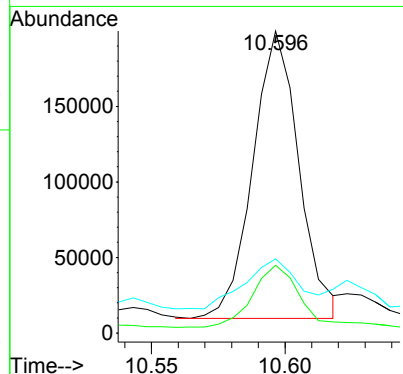
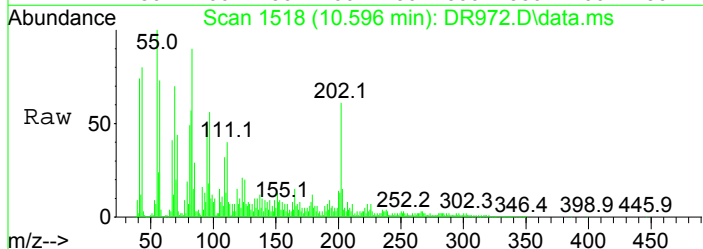
Tgt Ion	Resp	Lower	Upper
202	100		
101	12.8	0.0	35.4
203	16.3	0.0	37.8





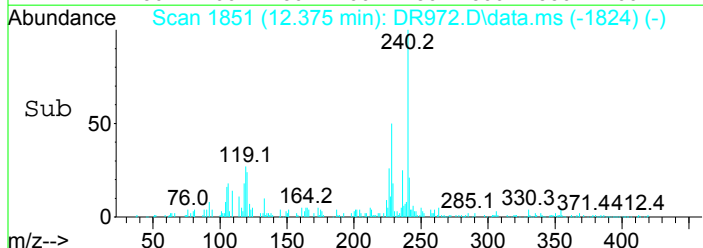
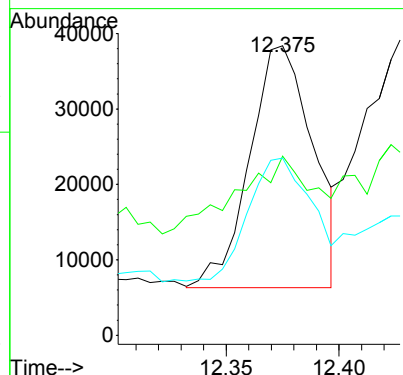
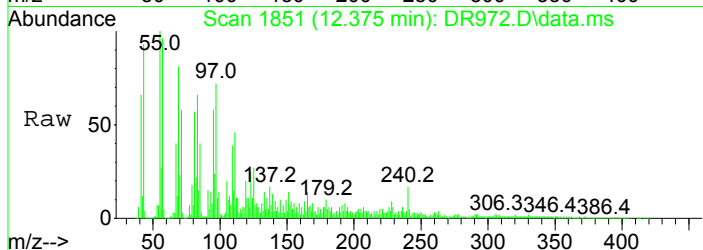
#123
 Pyrene
 Concen: 19.24 ppm m
 RT: 10.596 min Scan# 1518
 Delta R.T. 0.007 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

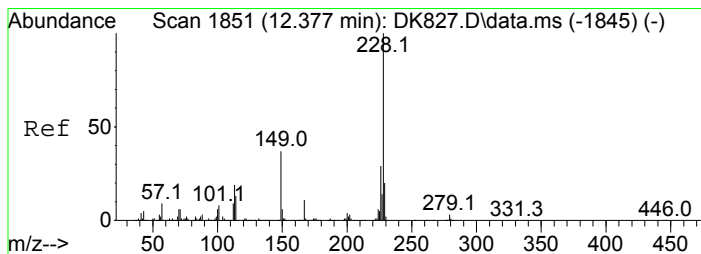
Tgt Ion	Resp	Lower	Upper
202	100		
200	22.4	1.9	41.9
203	24.5	0.0	37.3



#132
 Benzo(a)anthracene
 Concen: 5.74 ppm m
 RT: 12.375 min Scan# 1851
 Delta R.T. 0.042 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

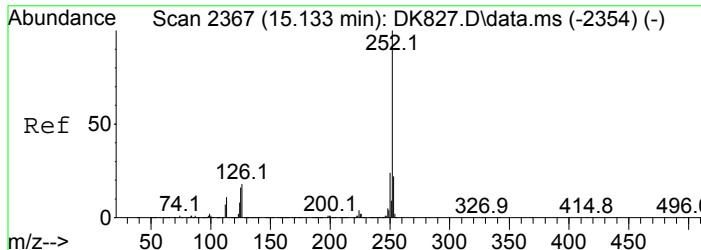
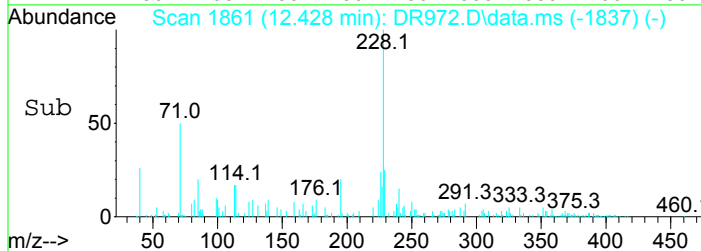
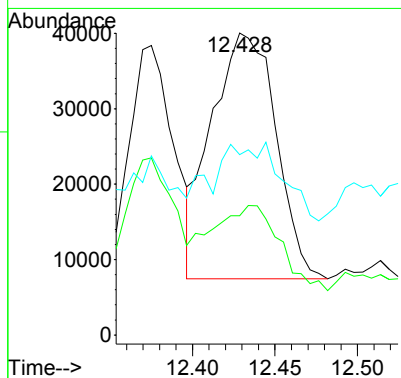
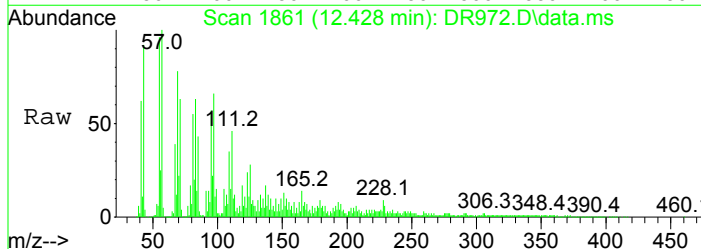
Tgt Ion	Resp	Lower	Upper
228	100		
229	61.9	0.0	39.8#
226	61.3	7.9	47.9#





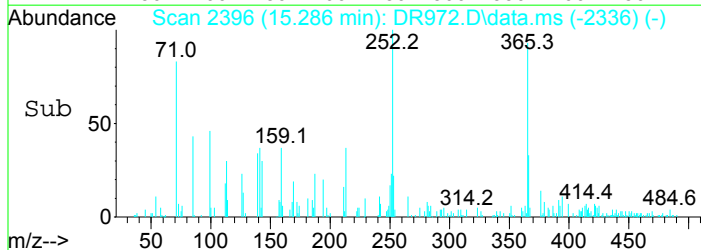
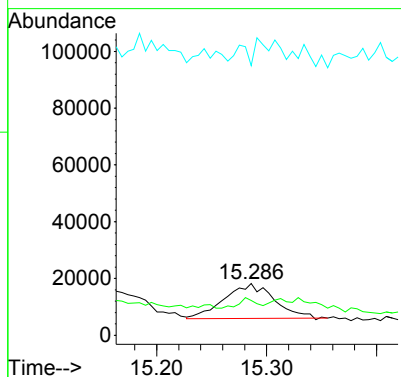
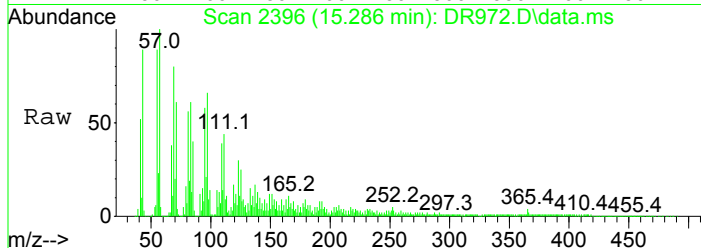
#133
 Chrysene
 Concen: 8.79 ppm
 RT: 12.428 min Scan# 1861
 Delta R.T. 0.028 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

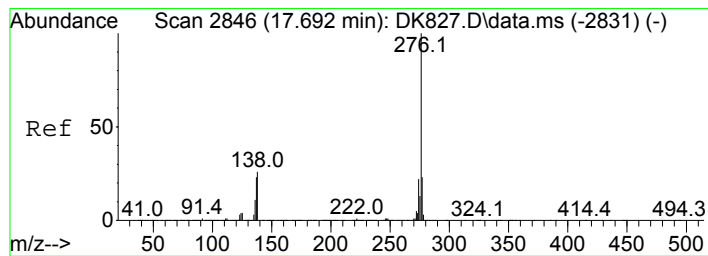
Tgt Ion	Resp	Lower	Upper
228	100		
226	26.3	11.3	51.3
229	25.7	0.0	40.0



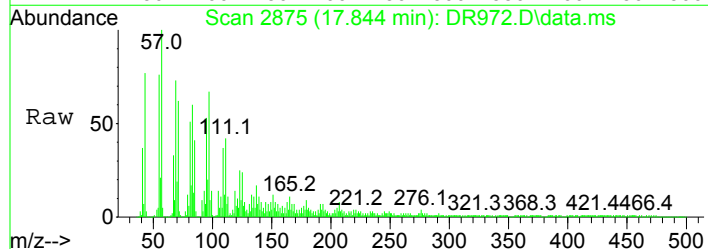
#140
 Benzo(a)pyrene
 Concen: 4.73 ppm
 RT: 15.286 min Scan# 2396
 Delta R.T. 0.120 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.8	0.6	40.6
125	0.0	0.0	36.8

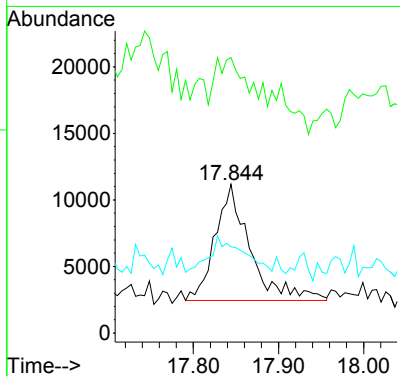
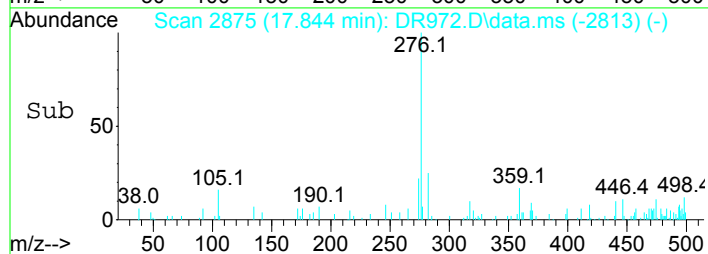




#144
 Benzo(g,h,i)perylene
 Concen: 3.59 ppm
 RT: 17.844 min Scan# 2875
 Delta R.T. 0.132 min
 Lab File: DR972.D
 Acq: 8 May 2019 1:16 am

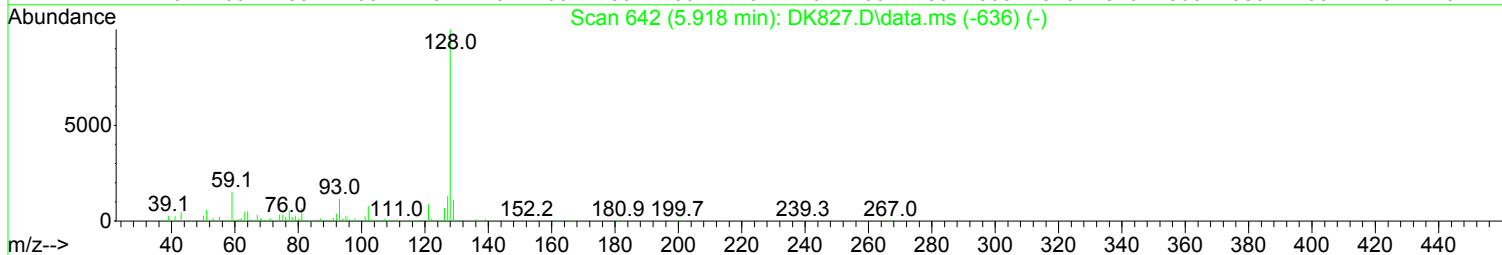
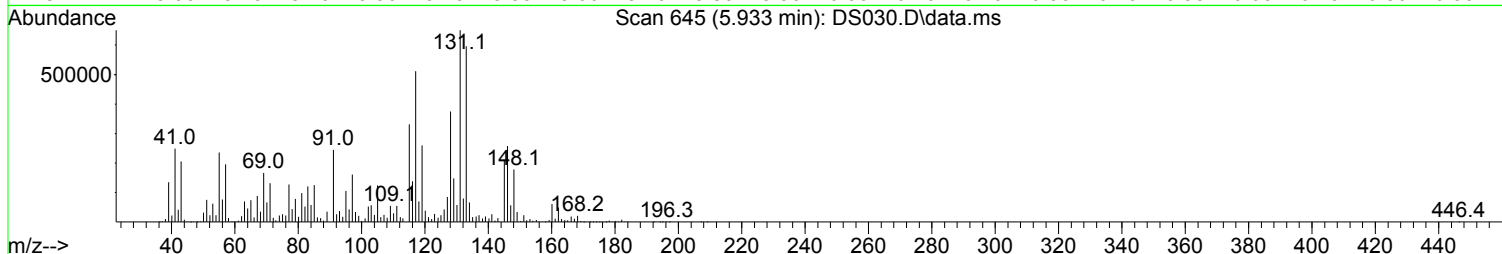
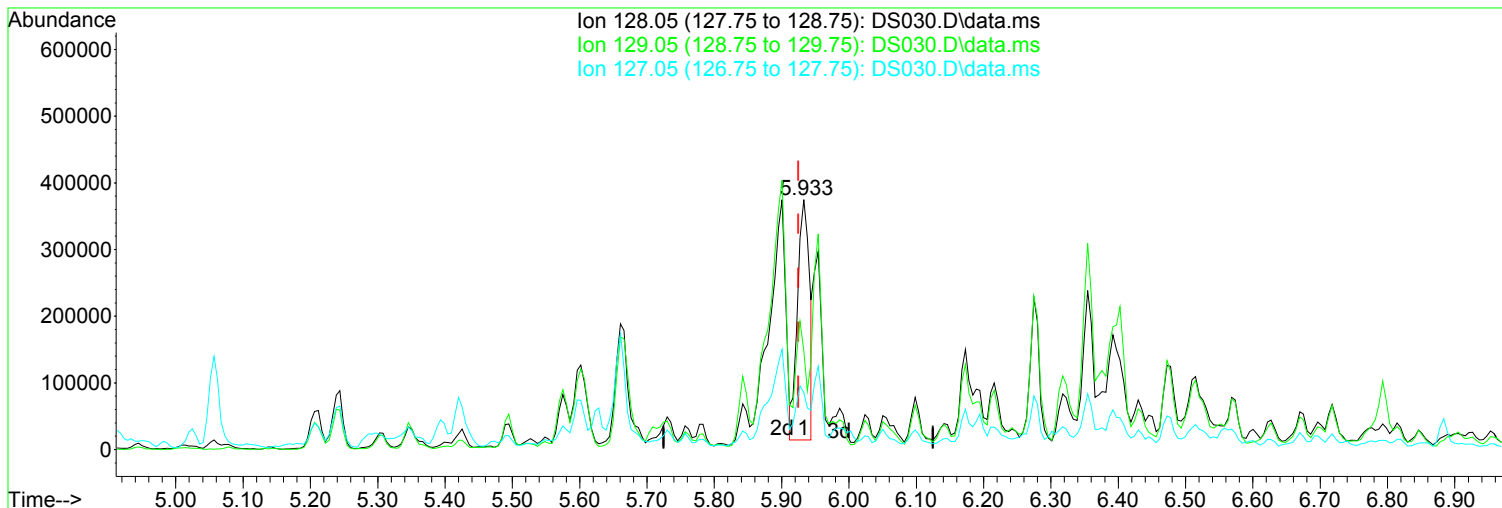


Tgt Ion	Resp	Lower	Upper
276	100		
138	32.4	14.8	54.8
277	22.9	3.8	43.8



Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(34) Naphthalene (TM)

Manual Integration:

5.933min (+ 0.008) 30.97 ppm m

After

response 448719

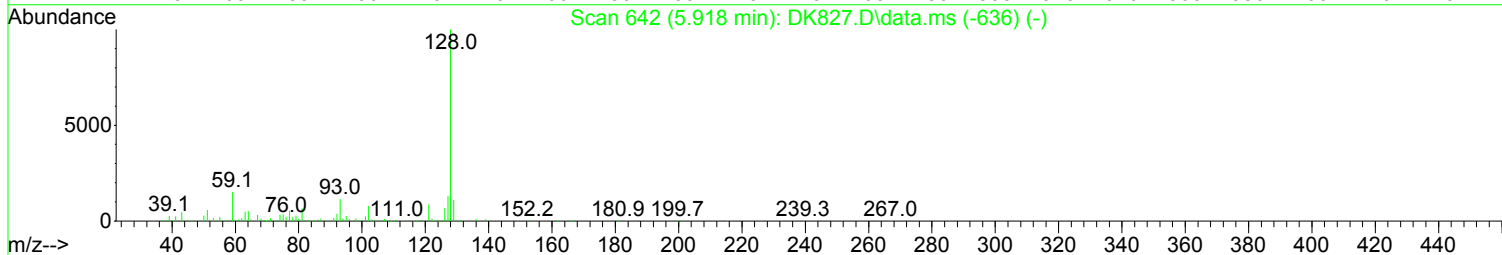
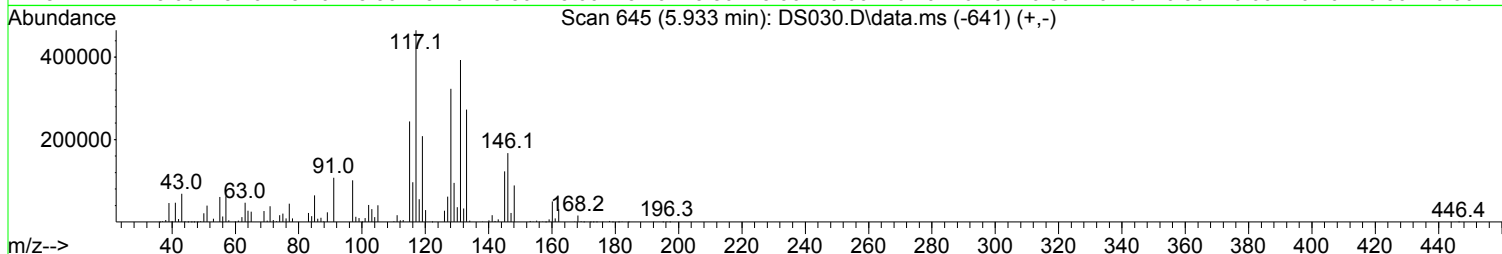
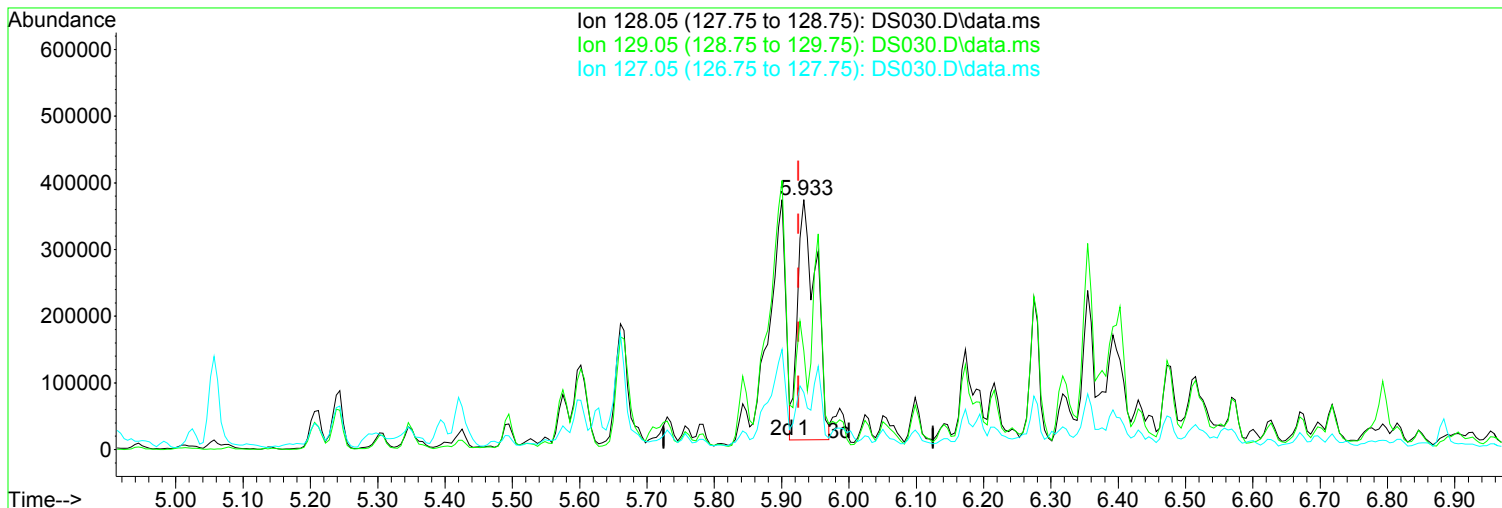
Poor integration.

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	39.40#
127.05	13.10	22.74
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS030.D\data.ms

(34) Naphthalene (TM)

Manual Integration:

5.933min (+ 0.008) 47.43 ppm

Before

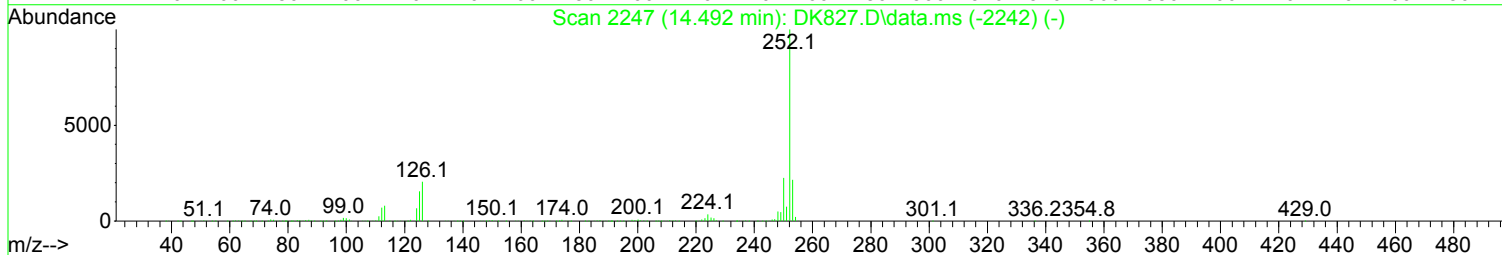
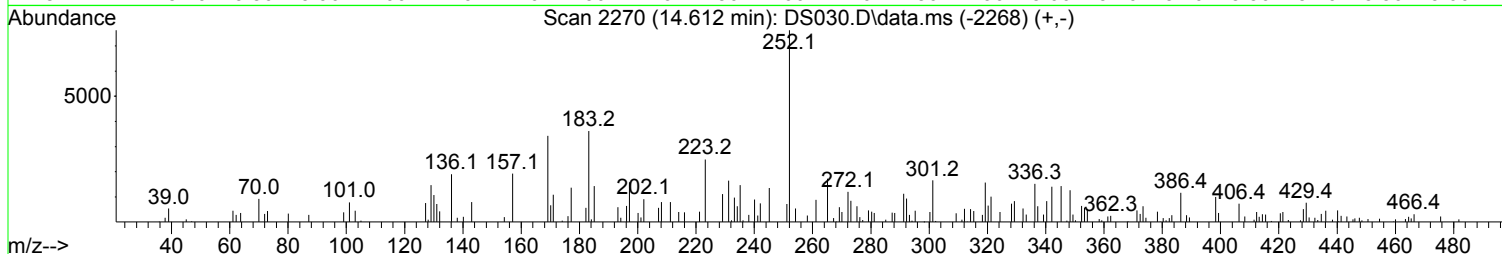
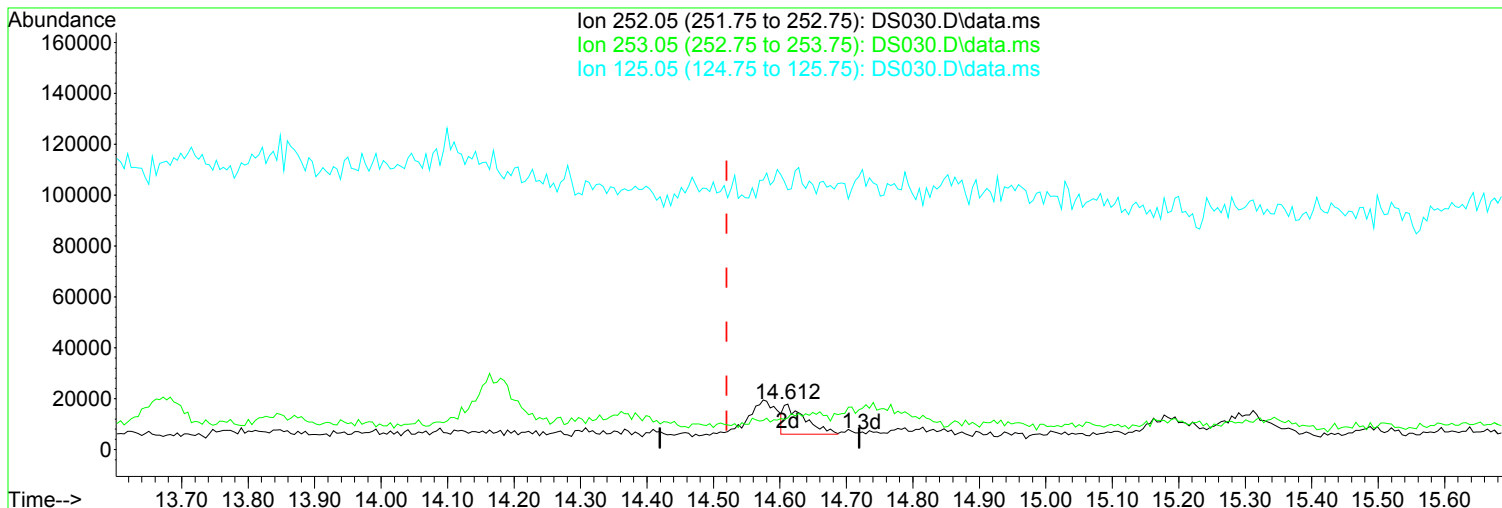
response 687332

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	29.32
127.05	13.10	18.97
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS030.D
 Acq On : 15 May 2019 9:54 am
 Operator : JMisiurewicz
 Sample : R1903956-001|20
 Misc : 336273 625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DS030.D\data.ms

(94) Benzo(k)fluoranthene (TM)

Manual Integration:

14.612min (+ 0.092) 2.35 ppm m

After

response 26608

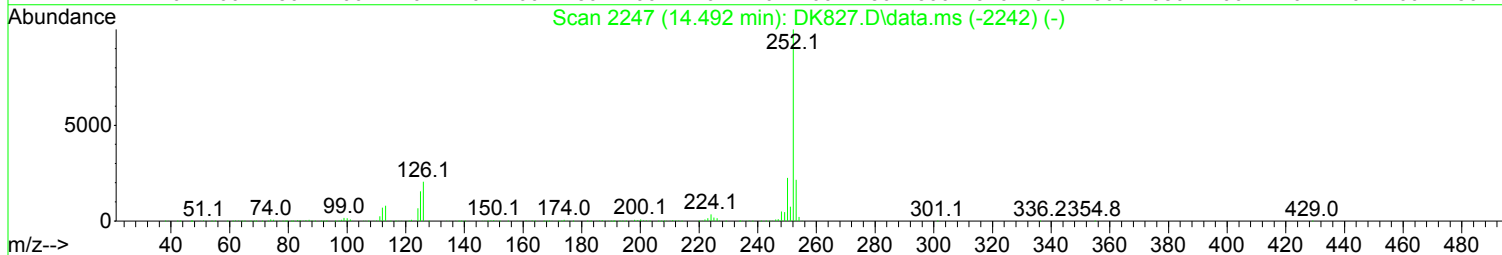
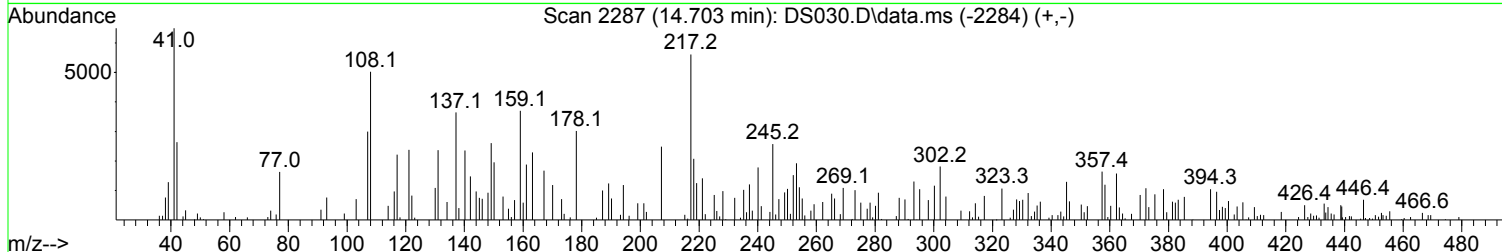
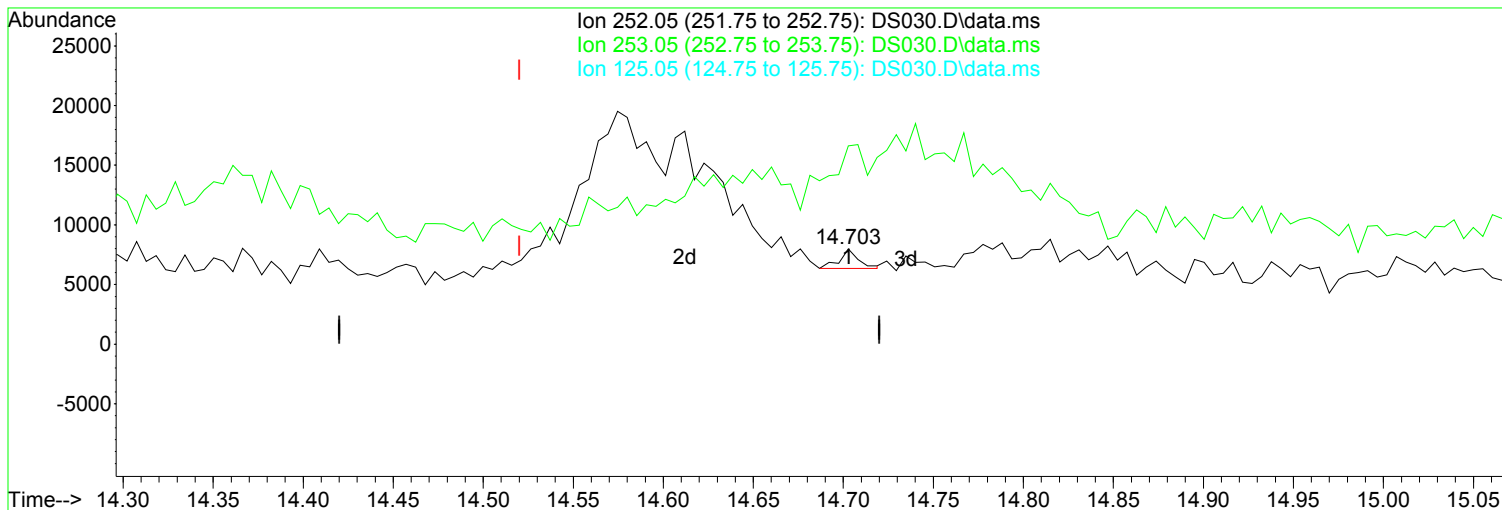
Peak not found.

Ion	Exp%	Act%
252.05	100.00	100.00
253.05	21.40	69.49#
125.05	13.80	572.06#
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(94) Benzo(k)fluoranthene (TM)

Manual Integration:

14.703min (+ 0.183) 0.11 ppm

Before

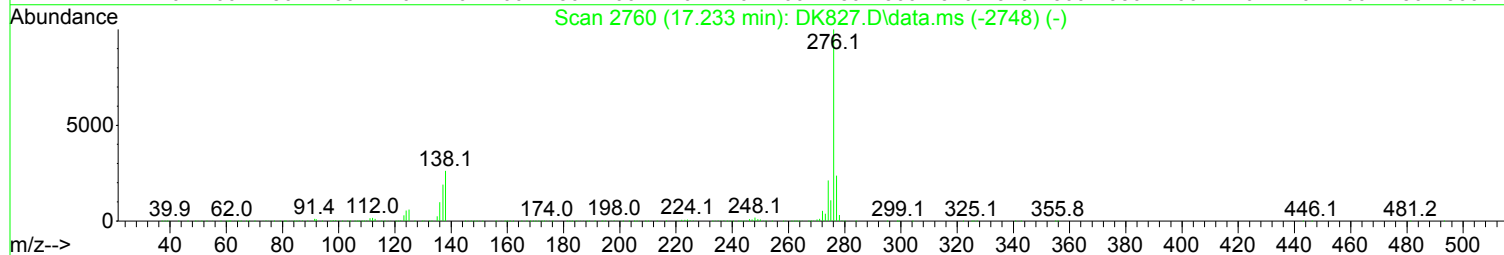
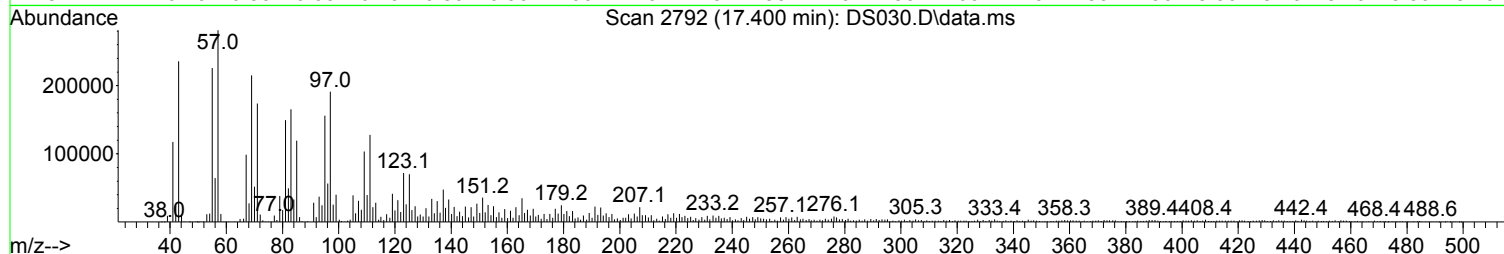
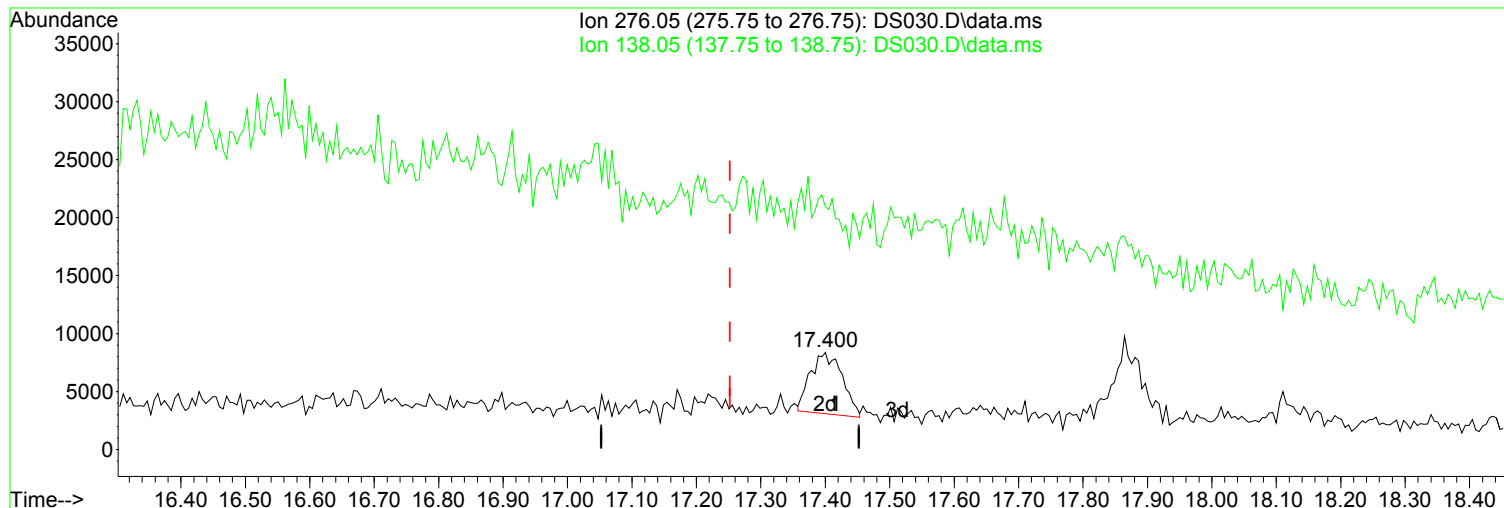
response 1215

Ion	Exp%	Act%
252.05	100.00	100.00
253.05	21.40	126.93#
125.05	13.80	0.00
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS030.D\data.ms

(96) Indeno(1,2,3-cd)Pyrene (TM)

Manual Integration:

17.400min (+ 0.148) 1.79 ppm m

After

response 17963

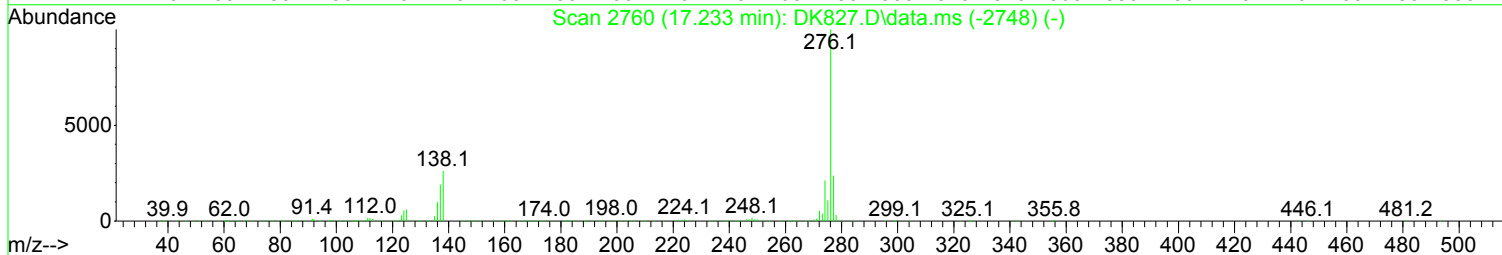
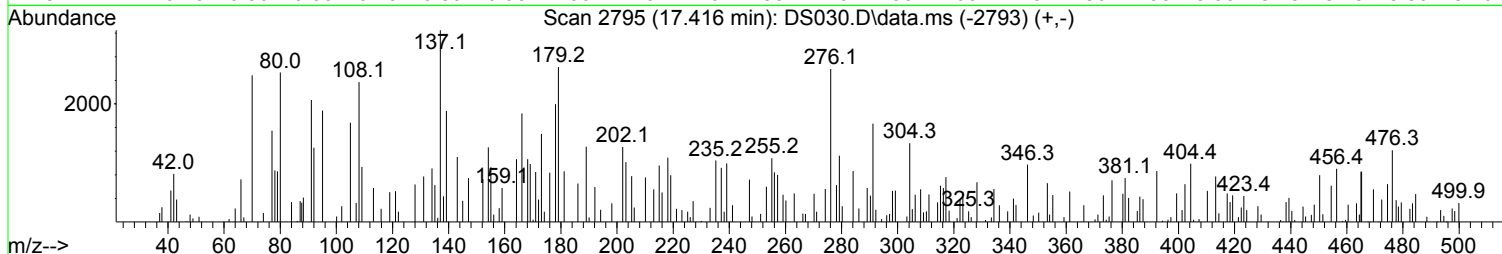
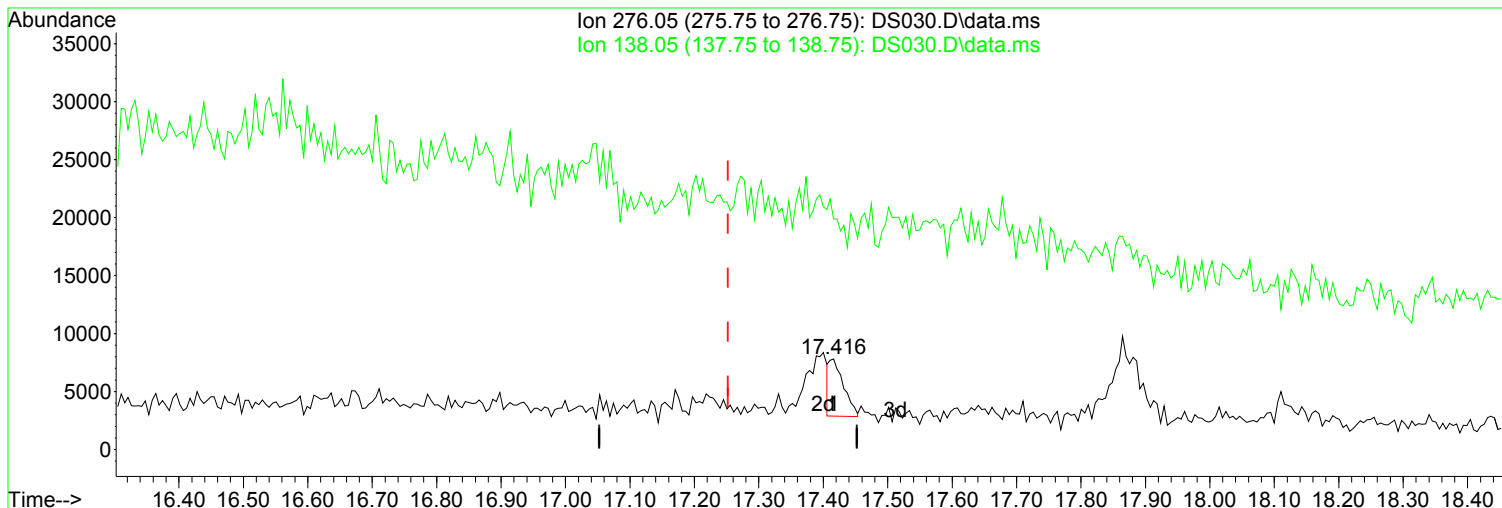
Poor integration.

Ion	Exp%	Act%
276.05	100.00	100.00
138.05	28.20	250.42#
0.00	0.00	0.00
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS030.D\data.ms

(96) Indeno(1,2,3-cd)Pyrene (TM)

Manual Integration:

17.416min (+ 0.164) 0.76 ppm

Before

response 7693

Ion	Exp%	Act%
276.05	100.00	100.00
138.05	28.20	16.82
0.00	0.00	0.00
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS030.D
 Acq On : 15 May 2019 9:54 am
 Operator : JMisiurewicz
 Sample : R1903956-001|20
 Misc : 336273 625
 ALS Vial : 8 Sample Multiplier: 1

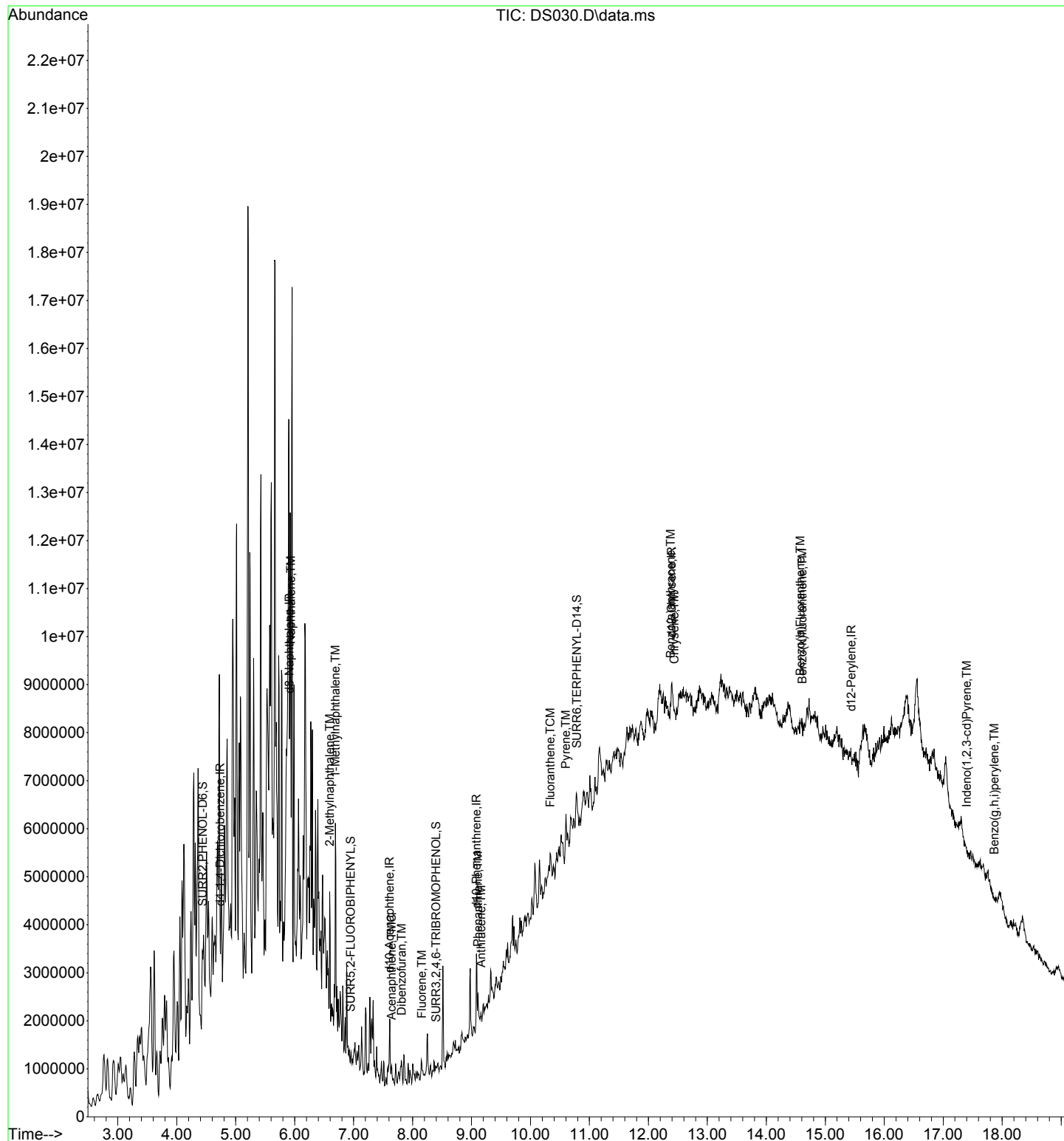
Quant Time: May 15 13:34:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

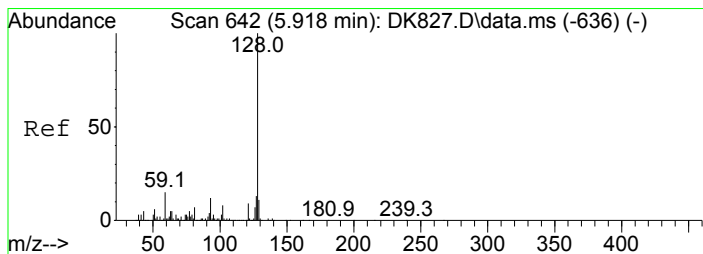
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.736	152	144401	40.00	ppm	0.00	
24) d8-Naphthalene	5.911	136	525763	40.00	ppm	0.00	
42) d10-Acenaphthene	7.610	164	276379	40.00	ppm	0.00	
69) d10-Phenanthrene	9.084	188	459480	40.00	ppm	0.00	
82) d12-Chrysene	12.395	240	402894	40.00	ppm	0.04	
91) d12-Perylene	15.440	264	358479	40.00	ppm	0.15	
System Monitoring Compounds							
4) SURR1,2-FLUOROPHENOL	3.657	112	482	0.09	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.09%#	
8) SURR2,PHENOL-D6	4.437	99	16702	2.59	ppm	0.01	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	2.59%#	
25) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm		
Spiked Amount	50.000	Range	31 - 110	Recovery	=	0.00%#	
48) SURR5,2-FLUOROBIPHENYL	6.948	172	26282	2.50	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	5.00%#	
67) SURR3,2,4,6-TRIBROMOPH...	8.400	330	4922	4.35	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	4.35%#	
85) SURR6,TERPHENYL-D14	10.782	244	23544	2.48	ppm	0.01	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	4.96%#	
Target Compounds							
							Qvalue
34) Naphthalene	5.933	128	448719m	30.966	ppm		
40) 2-Methylnaphthalene	6.595	142	810904	86.470	ppm		97
41) 1-Methylnaphthalene	6.691	142	1097704	125.113	ppm		97
55) Acenaphthene	7.642	153	44622	4.526	ppm		96
58) Dibenzofuran	7.813	168	32676	2.684	ppm		79
63) Fluorene	8.155	166	61356	6.129	ppm		98
77) Phenanthrene	9.111	178	246634	16.973	ppm		98
78) Anthracene	9.159	178	56907	3.941	ppm		85
81) Fluoranthene	10.334	202	206338	13.870	ppm		95
84) Pyrene	10.601	202	231398	15.641	ppm		96
88) Benzo(a)anthracene	12.374	228	57760	4.222	ppm	#	71
89) Chrysene	12.438	228	74801	5.943	ppm		81
93) Benzo(b)Fluoranthene	14.575	252	35057	2.939	ppm		63
94) Benzo(k)fluoranthene	14.612	252	26608m	2.355	ppm		
96) Indeno(1,2,3-cd)Pyrene	17.400	276	17963m	1.785	ppm		
98) Benzo(g,h,i)perylene	17.865	276	26482	3.054	ppm		82

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

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS030.D
Acq On : 15 May 2019 9:54 am
Operator : JMisiurewicz
Sample : R1903956-001|20
Misc : 336273 625
ALS Vial : 8 Sample Multiplier: 1

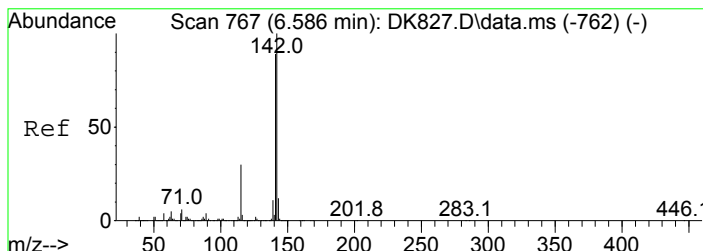
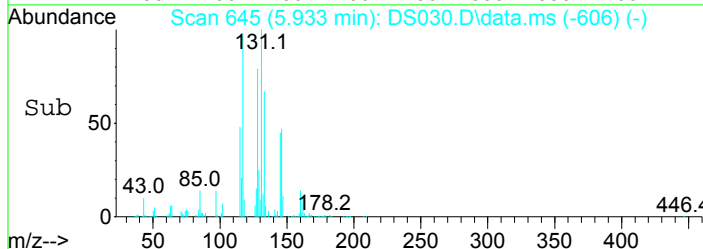
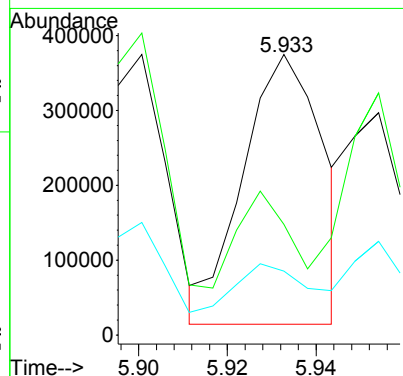
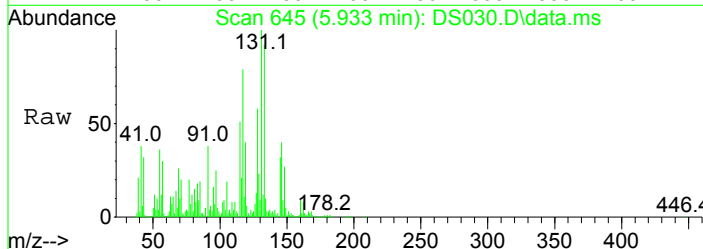
Quant Time: May 15 13:34:34 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration





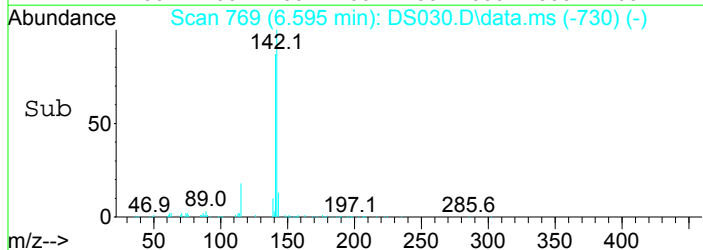
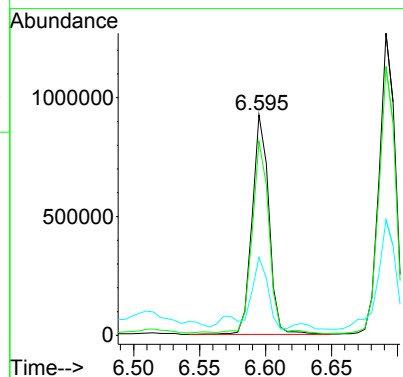
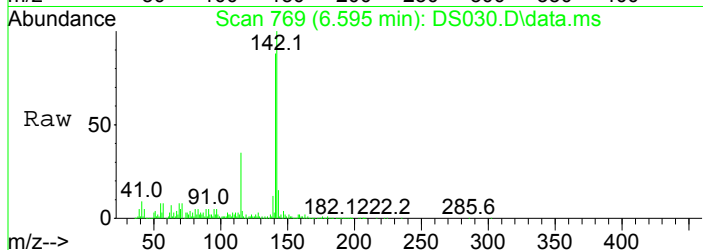
#34
 Naphthalene
 Concen: 30.97 ppm m
 RT: 5.933 min Scan# 645
 Delta R.T. 0.008 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

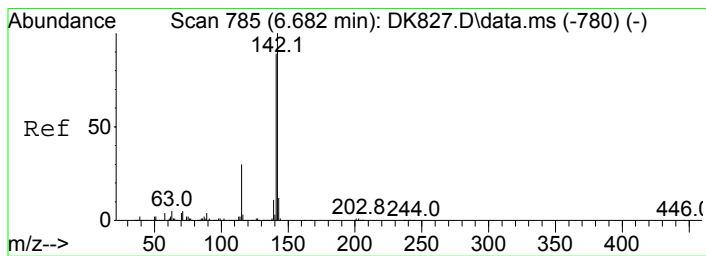
Tgt Ion	Resp	Lower	Upper
128	448719		
129	39.4	0.0	31.1#
127	22.7	0.0	33.1



#40
 2-Methylnaphthalene
 Concen: 86.47 ppm
 RT: 6.595 min Scan# 769
 Delta R.T. 0.006 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

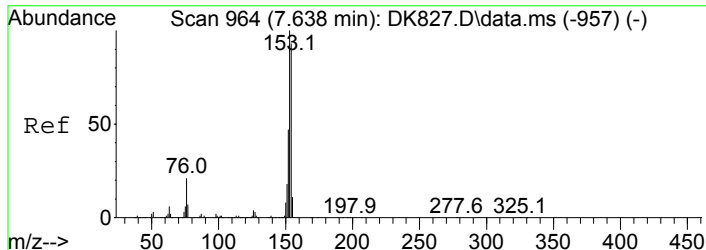
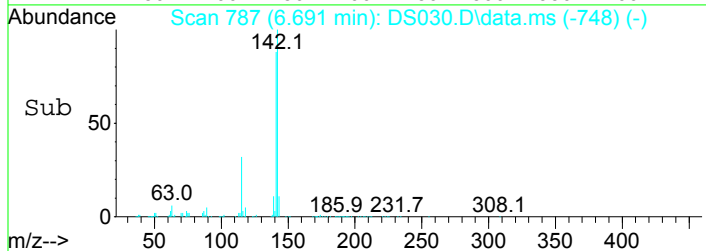
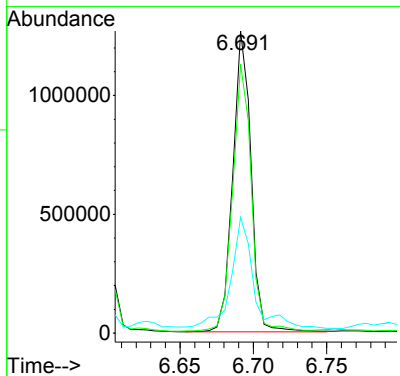
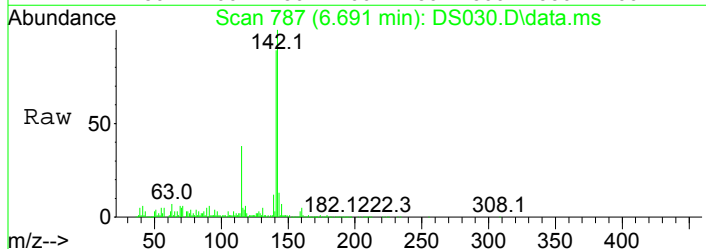
Tgt Ion	Resp	Lower	Upper
142	810904		
141	87.6	70.1	110.1
115	31.1	12.3	52.3





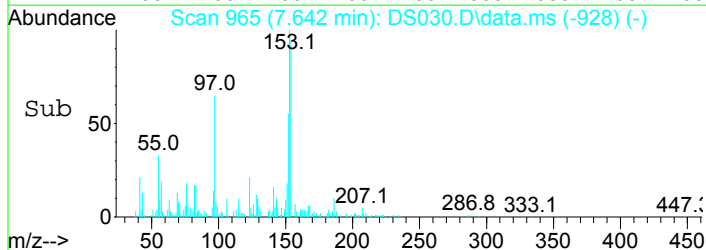
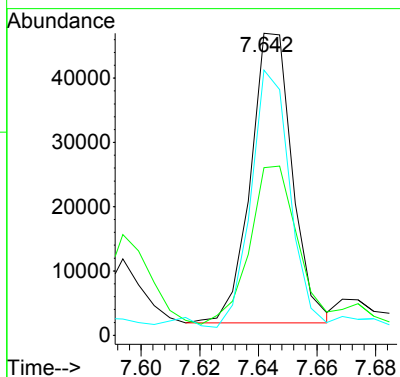
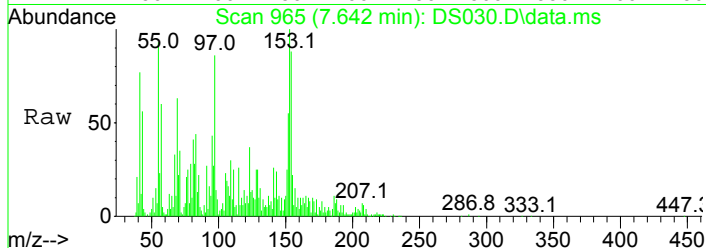
#41
 1-Methylnaphthalene
 Concen: 125.11 ppm
 RT: 6.691 min Scan# 787
 Delta R.T. 0.006 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

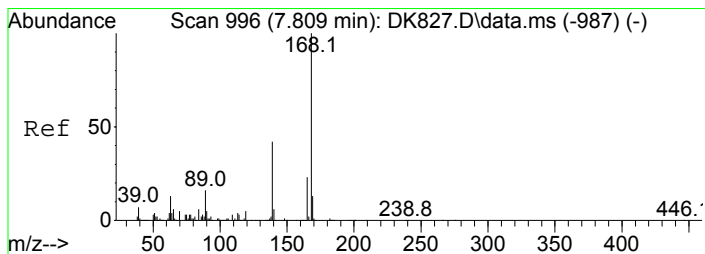
Tgt Ion	Resp	Lower	Upper
142	1097704		
141	88.5	60.3	120.3
115	36.8	3.8	63.8



#55
 Acenaphthene
 Concen: 4.53 ppm
 RT: 7.642 min Scan# 965
 Delta R.T. -0.003 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

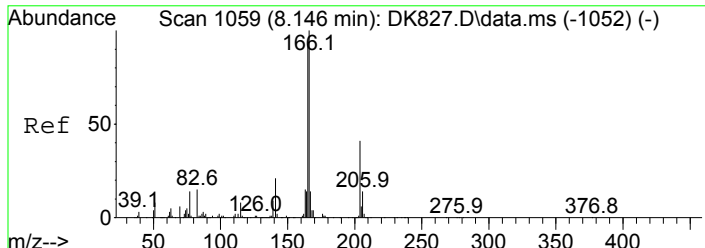
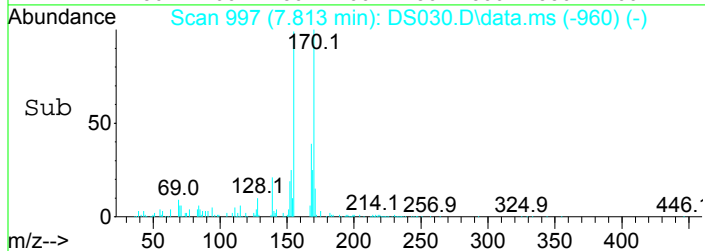
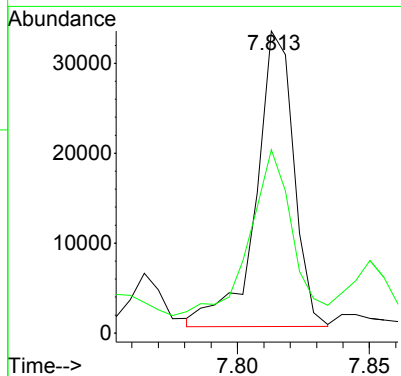
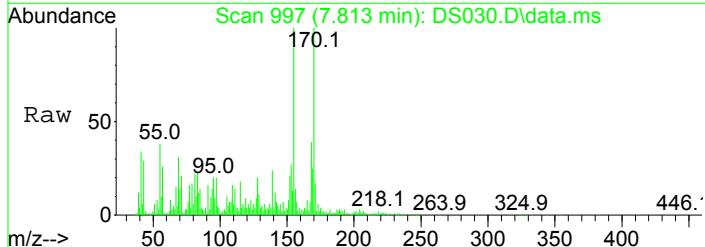
Tgt Ion	Resp	Lower	Upper
153	44622		
152	52.2	28.6	68.6
154	87.9	71.4	111.4





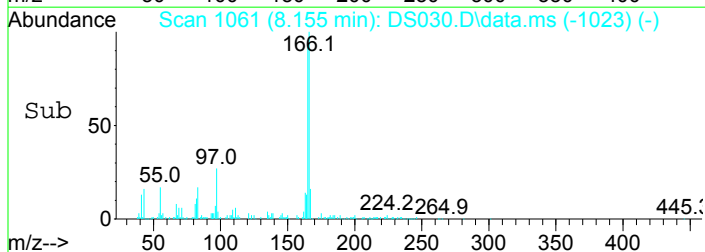
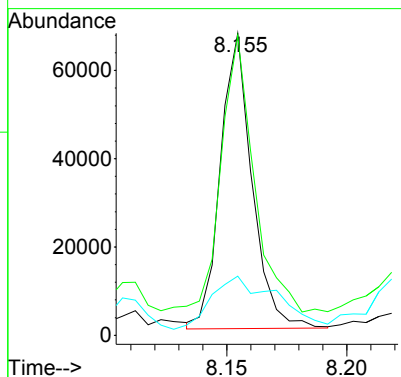
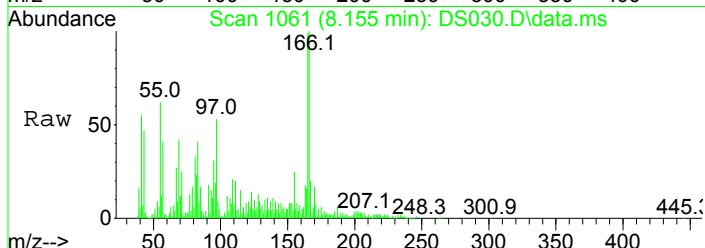
#58
 Dibenzofuran
 Concen: 2.68 ppm
 RT: 7.813 min Scan# 997
 Delta R.T. -0.003 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

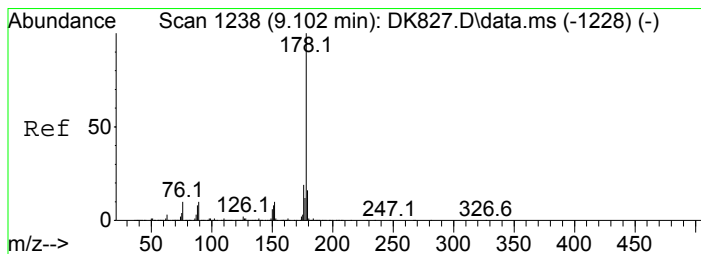
Tgt Ion	Resp	Lower	Upper
168	100		
139	54.6	21.3	61.3



#63
 Fluorene
 Concen: 6.13 ppm
 RT: 8.155 min Scan# 1061
 Delta R.T. 0.001 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

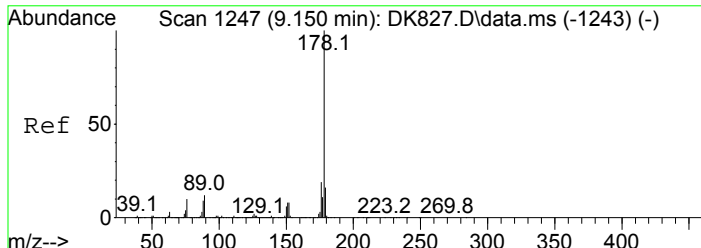
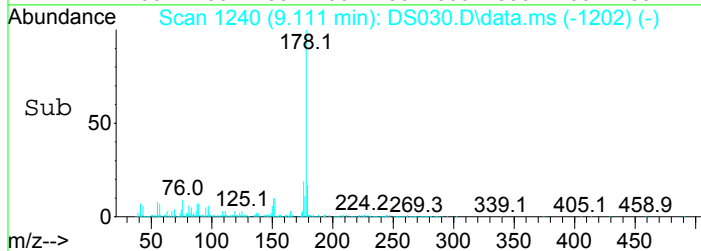
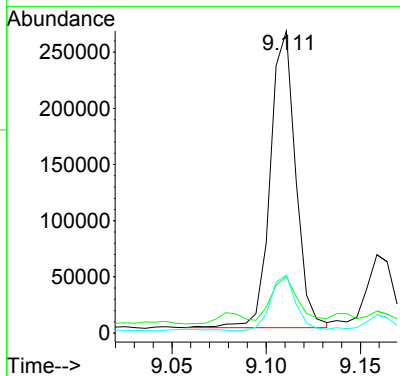
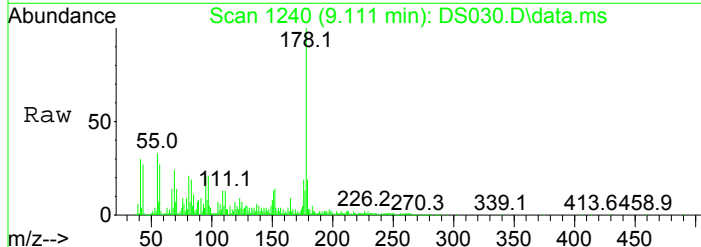
Tgt Ion	Resp	Lower	Upper
166	100		
165	93.8	62.9	122.9
167	16.7	0.0	44.2





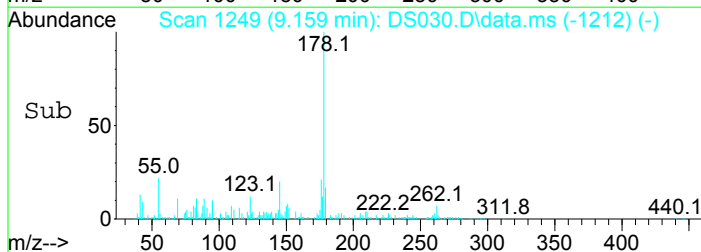
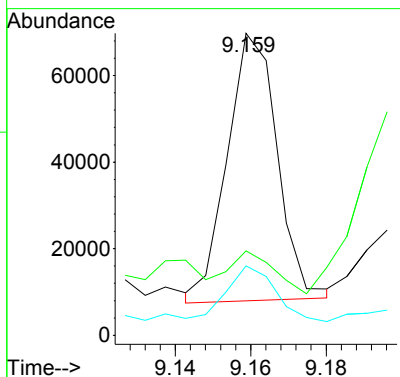
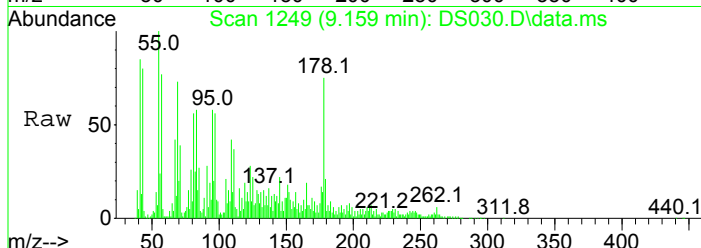
#77
 Phenanthrene
 Concen: 16.97 ppm
 RT: 9.111 min Scan# 1240
 Delta R.T. 0.001 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

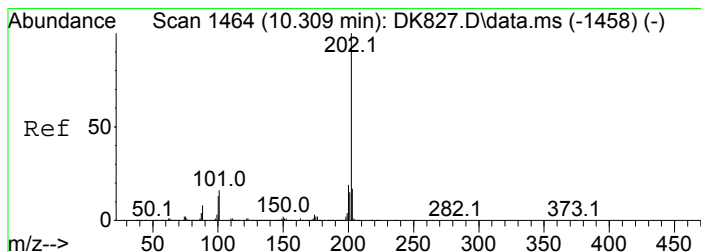
Tgt Ion	Resp	Lower	Upper
178	246634		
179	15.3	0.0	35.4
176	18.5	0.0	39.9



#78
 Anthracene
 Concen: 3.94 ppm
 RT: 9.159 min Scan# 1249
 Delta R.T. -0.001 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

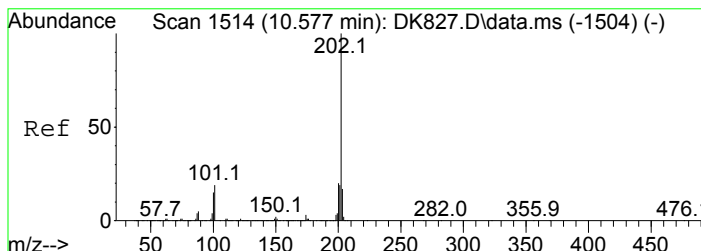
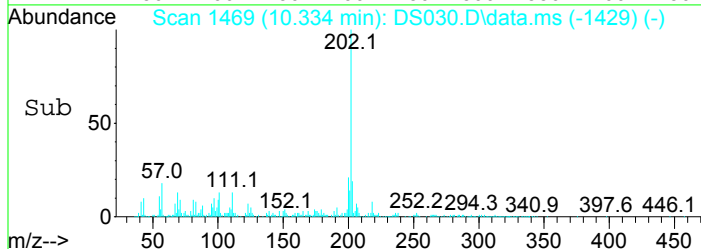
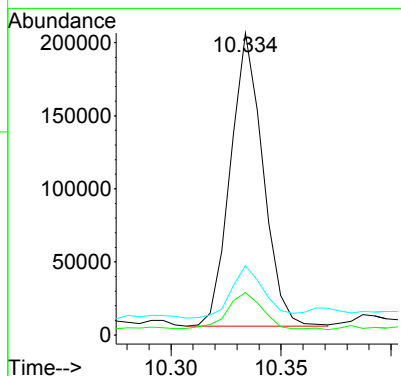
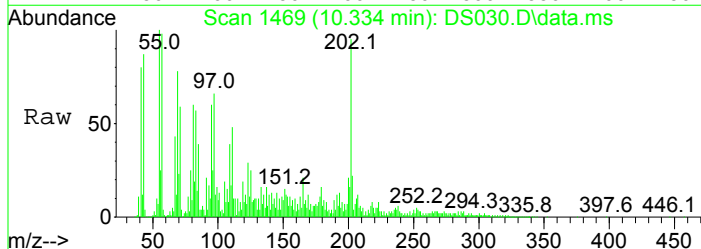
Tgt Ion	Resp	Lower	Upper
178	56907		
179	5.0	0.0	35.4
176	21.0	0.0	38.0





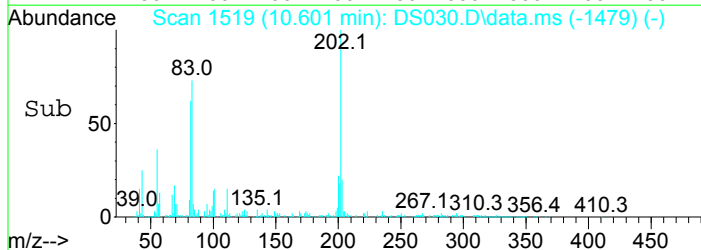
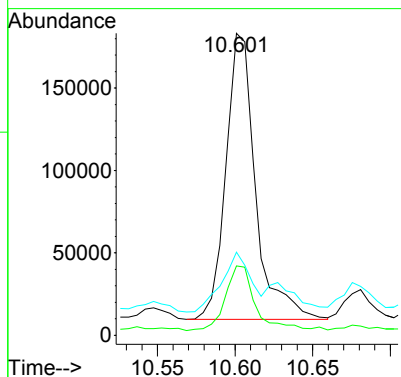
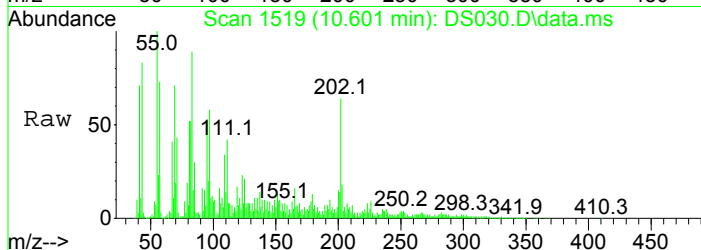
#81
 Fluoranthene
 Concen: 13.87 ppm
 RT: 10.334 min Scan# 1469
 Delta R.T. 0.012 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

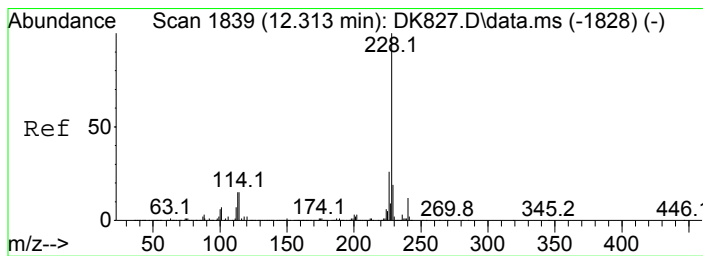
Tgt Ion	Resp	Lower	Upper
202	100		
101	12.5	0.0	35.4
203	16.3	0.0	37.8



#84
 Pyrene
 Concen: 15.64 ppm
 RT: 10.601 min Scan# 1519
 Delta R.T. 0.012 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

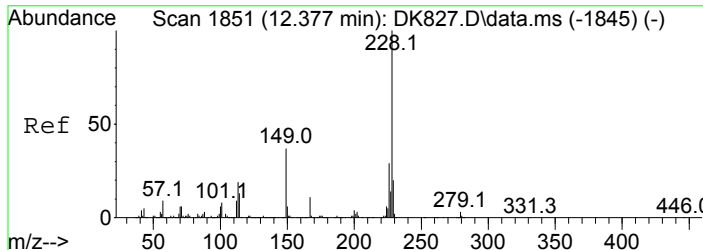
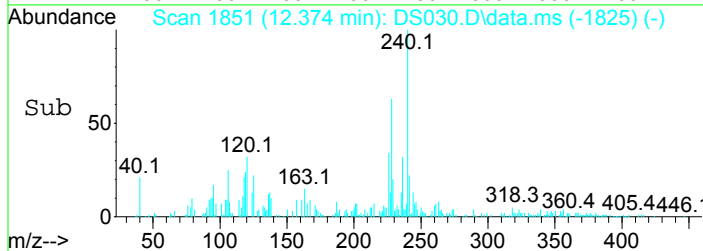
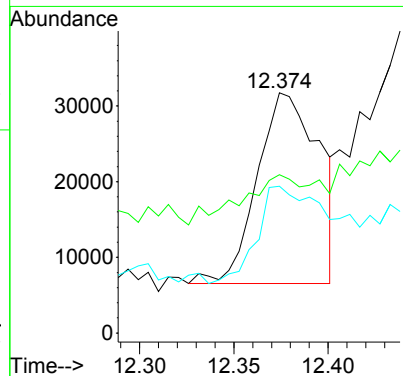
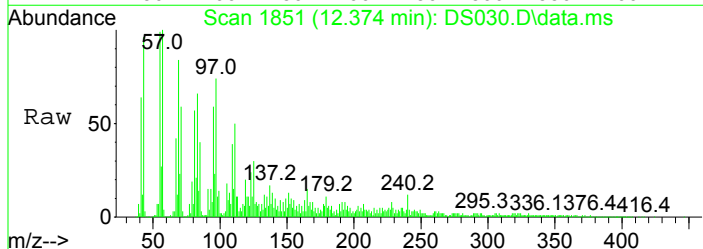
Tgt Ion	Resp	Lower	Upper
202	100		
200	22.5	1.9	41.9
203	20.1	0.0	37.3





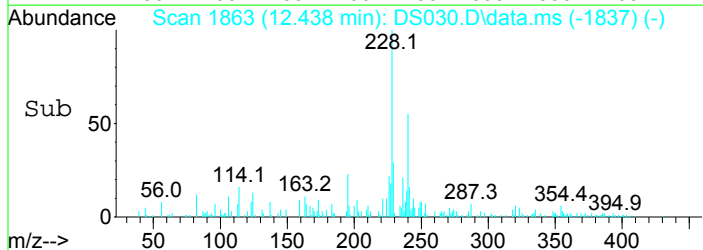
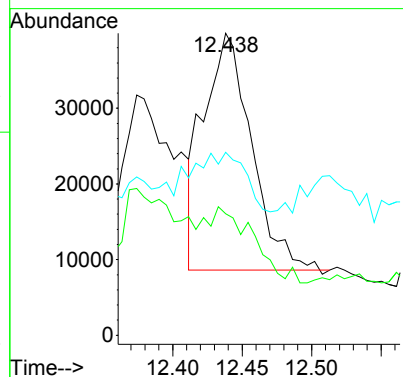
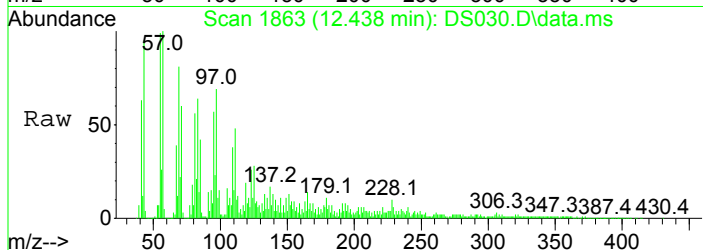
#88
 Benzo(a)anthracene
 Concen: 4.22 ppm
 RT: 12.374 min Scan# 1851
 Delta R.T. 0.041 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

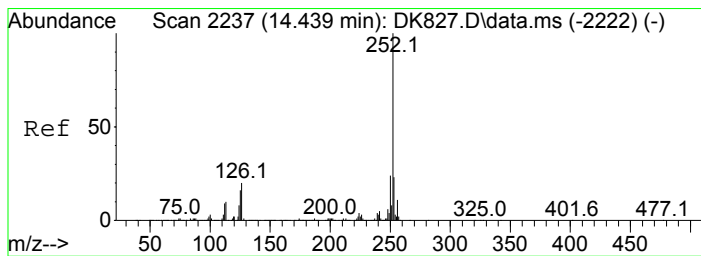
Tgt Ion	Resp	Lower	Upper
228	100		
229	27.2	0.0	39.8
226	48.0	7.9	47.9#



#89
 Chrysene
 Concen: 5.94 ppm
 RT: 12.438 min Scan# 1863
 Delta R.T. 0.038 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

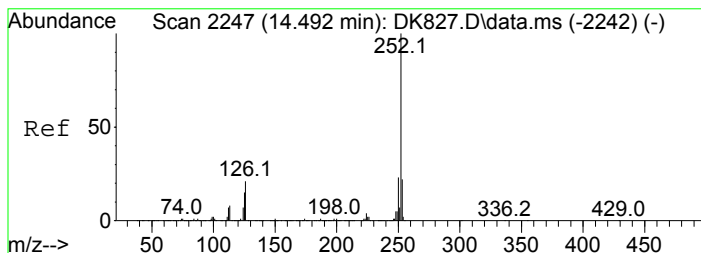
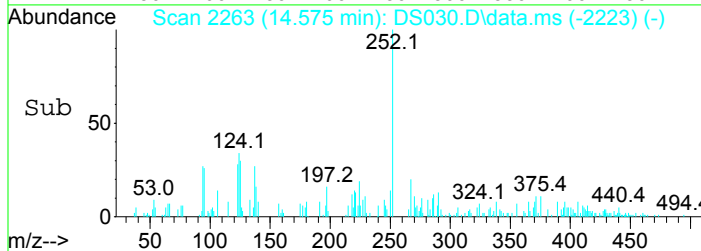
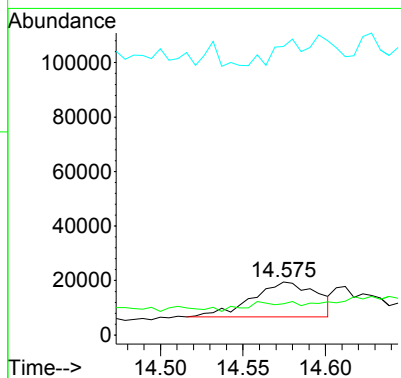
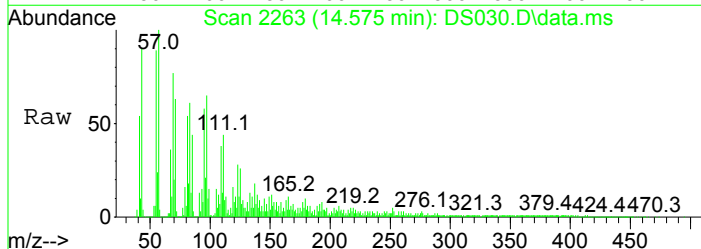
Tgt Ion	Resp	Lower	Upper
228	100		
226	19.0	11.3	51.3
229	13.4	0.0	40.0





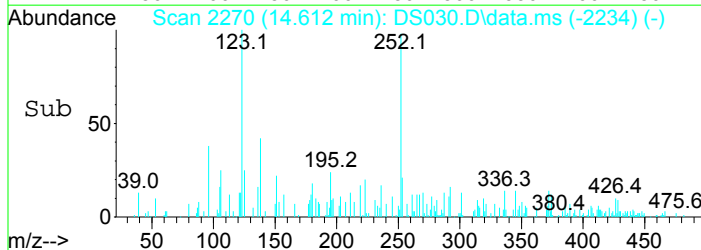
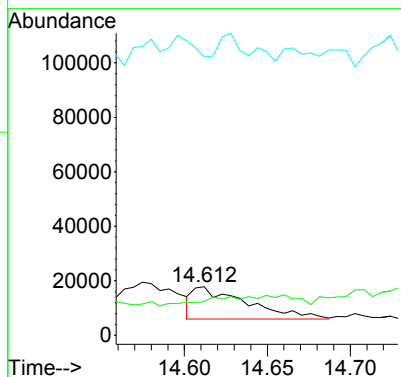
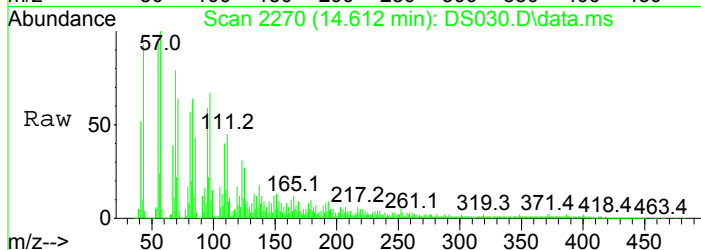
#93
 Benzo(b)Fluoranthene
 Concen: 2.94 ppm
 RT: 14.575 min Scan# 2263
 Delta R.T. 0.112 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

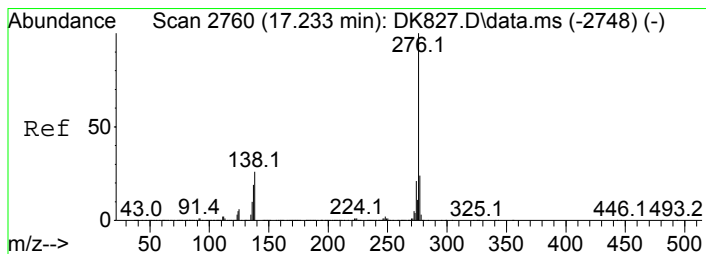
Tgt Ion	Resp	Lower	Upper
252	100		
253	4.5	2.4	42.4
125	0.7	0.0	36.0



#94
 Benzo(k)fluoranthene
 Concen: 2.35 ppm m
 RT: 14.612 min Scan# 2270
 Delta R.T. 0.092 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

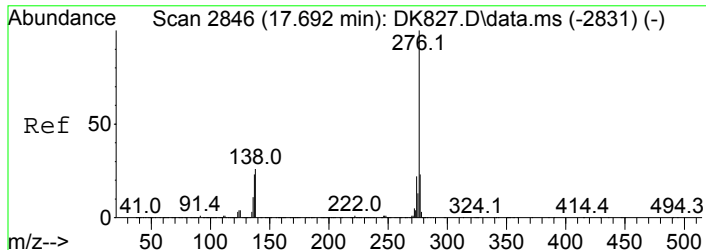
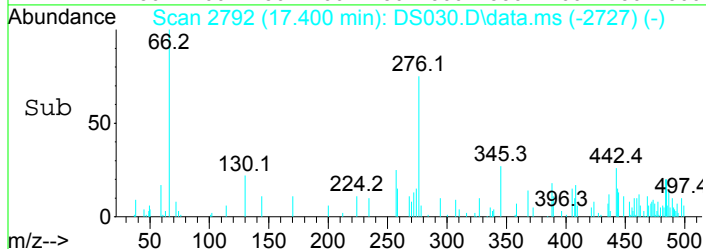
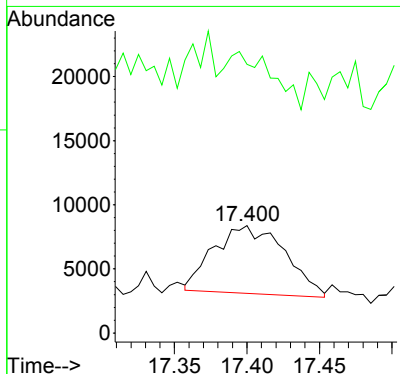
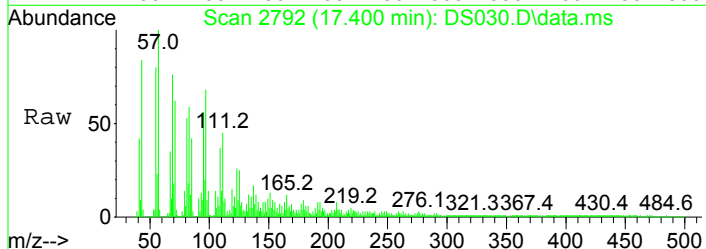
Tgt Ion	Resp	Lower	Upper
252	100		
253	69.5	1.4	41.4#
125	572.1	0.0	33.8#





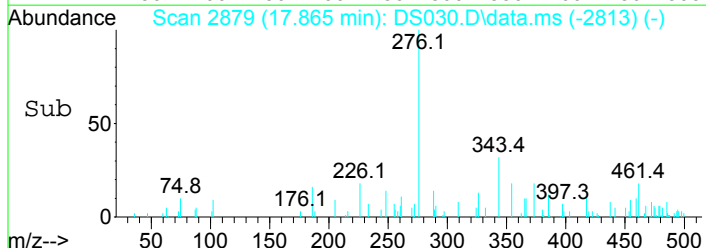
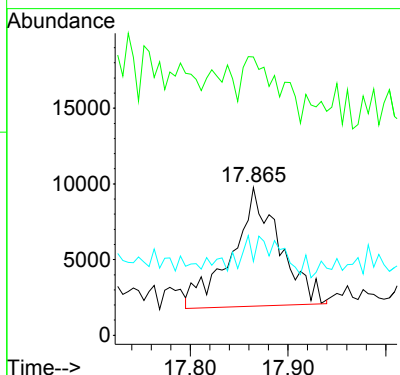
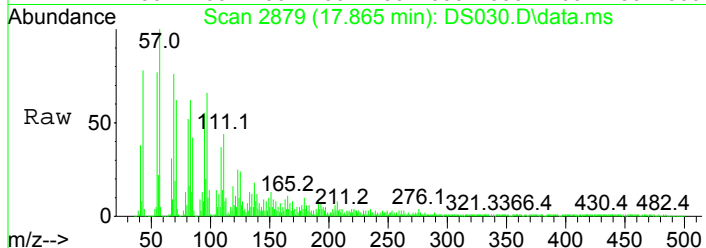
#96
 Indeno(1,2,3-cd)Pyrene
 Concen: 1.79 ppm m
 RT: 17.400 min Scan# 2792
 Delta R.T. 0.148 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

Tgt Ion: 276 Resp: 17963
 Ion Ratio Lower Upper
 276 100
 138 250.4 8.2 48.2#



#98
 Benzo(g,h,i)perylene
 Concen: 3.05 ppm
 RT: 17.865 min Scan# 2879
 Delta R.T. 0.152 min
 Lab File: DS030.D
 Acq: 15 May 2019 9:54 am

Tgt Ion: 276 Resp: 26482
 Ion Ratio Lower Upper
 276 100
 138 31.7 14.8 54.8
 277 5.3 3.8 43.8



Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR957.D
 Acq On : 7 May 2019 6:08 pm
 Operator : JMisiurewicz
 Sample : RQ1904141-03
 Misc : 335966 8270D/625 BLK
 ALS Vial : 16 Sample Multiplier: 1

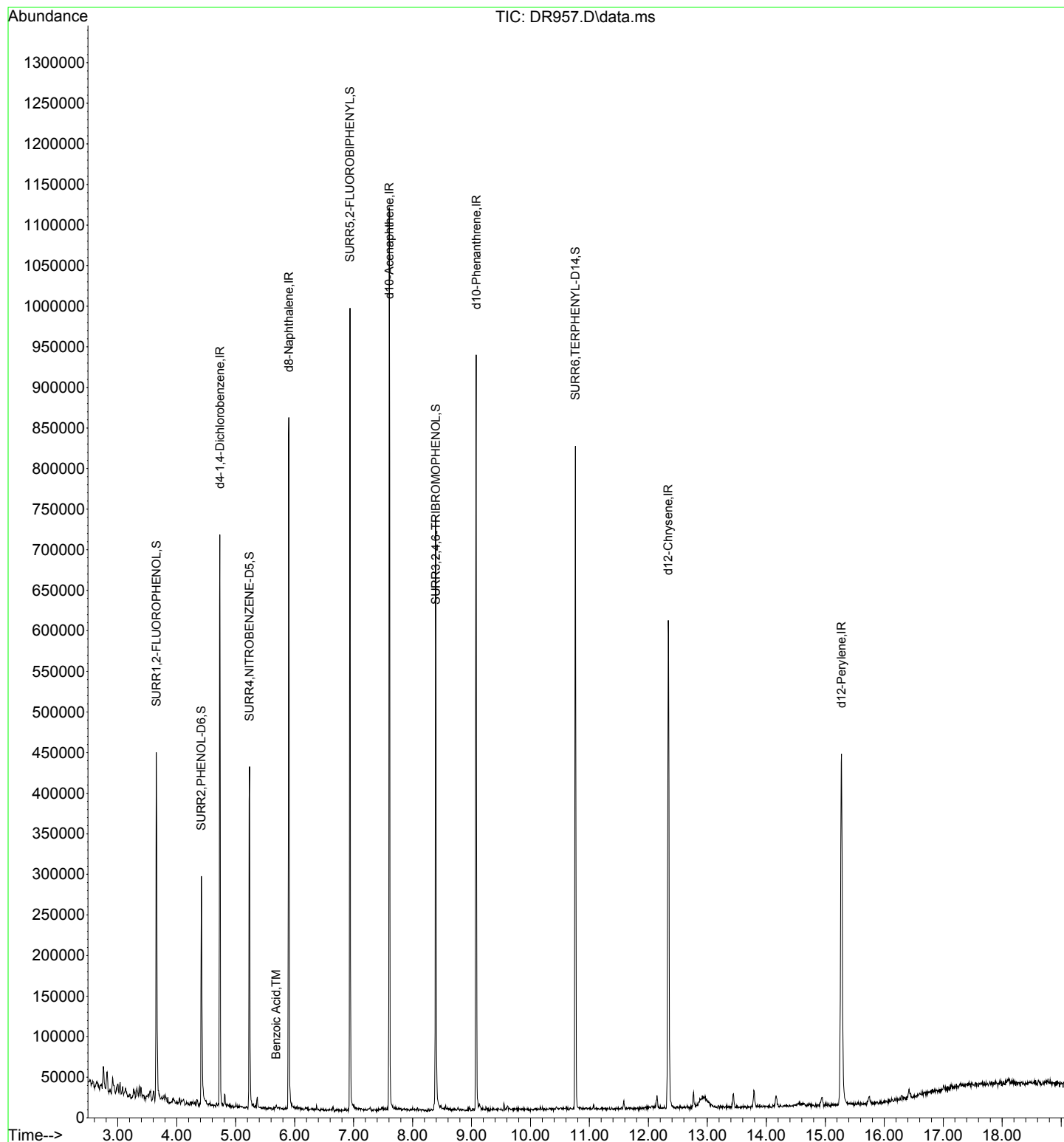
Quant Time: May 08 13:29:29 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

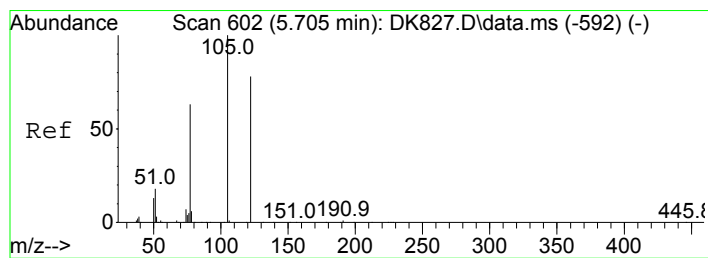
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	110274	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	401963	40.00	ppm	0.00
57) d10-Acenaphthene	7.604	164	201078	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	322399	40.00	ppm	0.00
117) d12-Chrysene	12.337	240	296616	40.00	ppm	-0.02
135) d12-Perylene	15.274	264	295236	40.00	ppm	-0.02
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.652	112	144911	36.13	ppm	-0.01
Spiked Amount 100.000	Range 10 - 70		Recovery =	36.13%		
12) SURR2,PHENOL-D6	4.416	99	114777	23.29	ppm	-0.01
Spiked Amount 100.000	Range 10 - 107		Recovery =	23.29%		
34) SURR4,NITROBENZENE-D5	5.233	82	147355	36.13	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	72.26%		
63) SURR5,2-FLUOROBIPHENYL	6.937	172	267715	35.01	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	70.02%		
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	80103	97.28	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	97.28%		
124) SURR6,TERPHENYL-D14	10.761	244	267620	38.30	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	76.60%		
Target Compounds						Qvalue
41) Benzoic Acid	5.687	105	2769	18.160	ppm	# 63

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

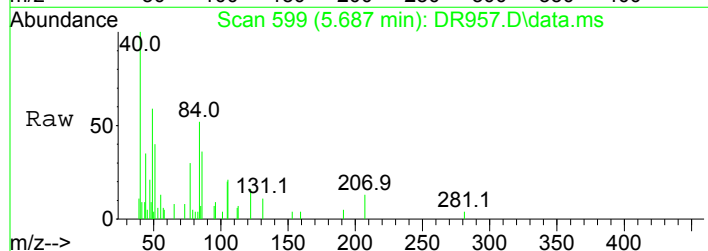
Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR957.D
Acq On : 7 May 2019 6:08 pm
Operator : JMisiurewicz
Sample : RQ1904141-03
Misc : 335966 8270D/625 BLK
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 08 13:29:29 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

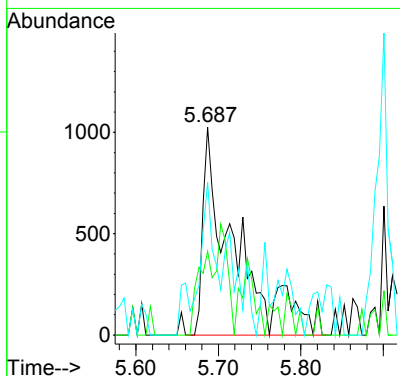
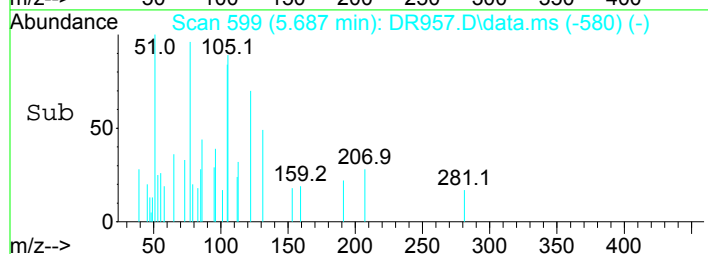




#41
Benzoic Acid
Concen: 18.16 ppm
RT: 5.687 min Scan# 599
Delta R.T. -0.000 min
Lab File: DR957.D
Acq: 7 May 2019 6:08 pm

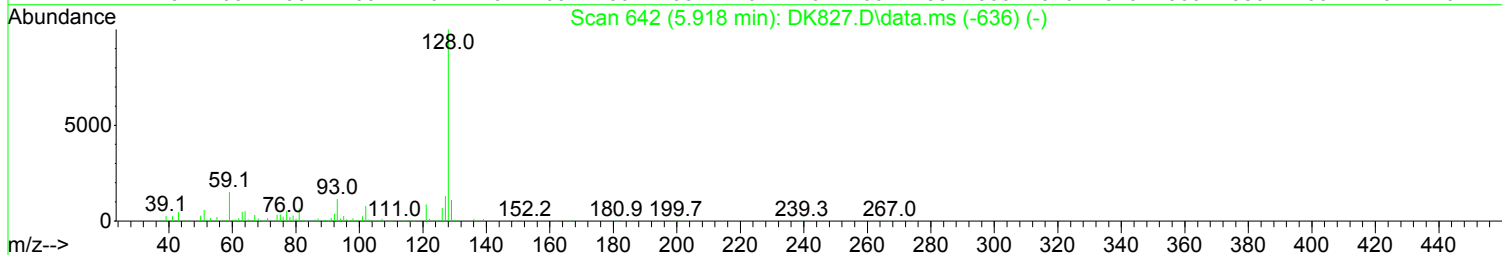
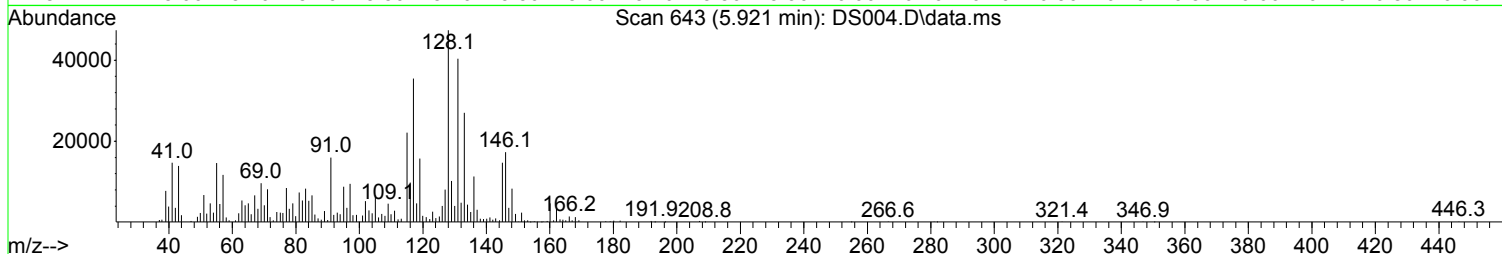
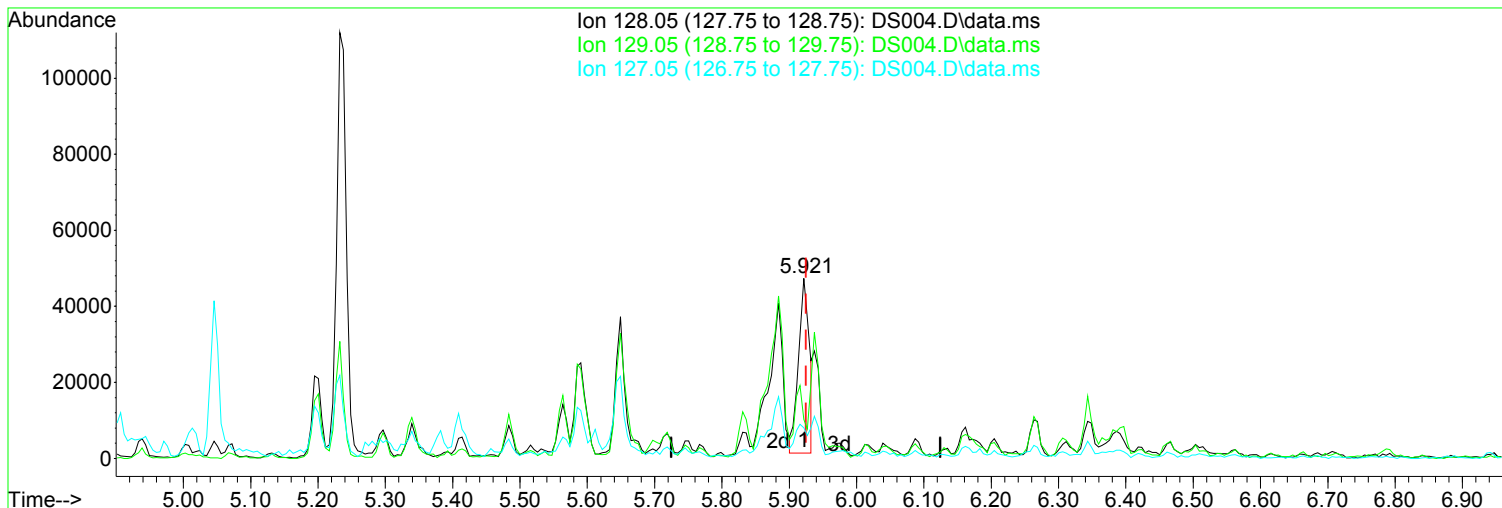


Tgt Ion	Resp	Lower	Upper
105	100		
122	40.3	47.4	117.4#
77	48.9	34.6	104.6



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS004.D\data.ms

(45) Naphthalene (TM)

Manual Integration:

5.921min (-0.004) 3.57 ppm m

After

response 51251

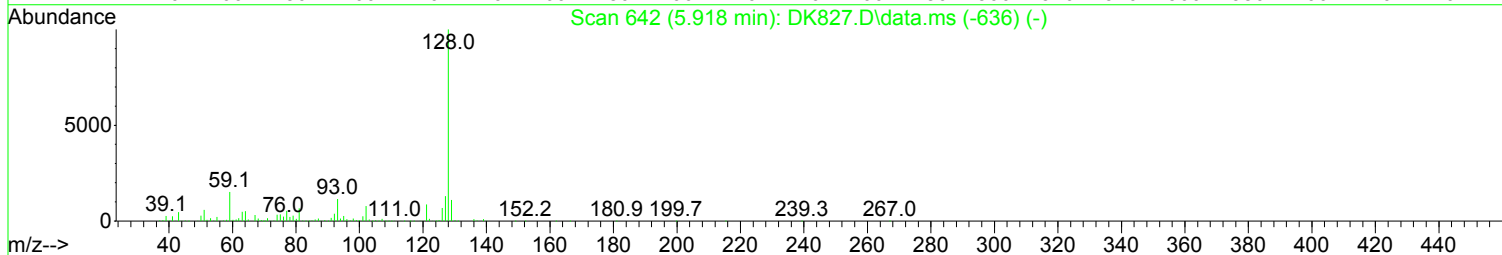
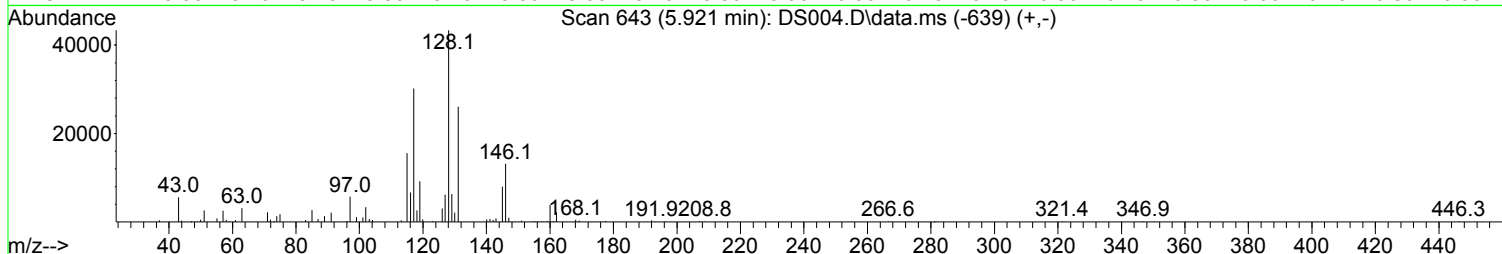
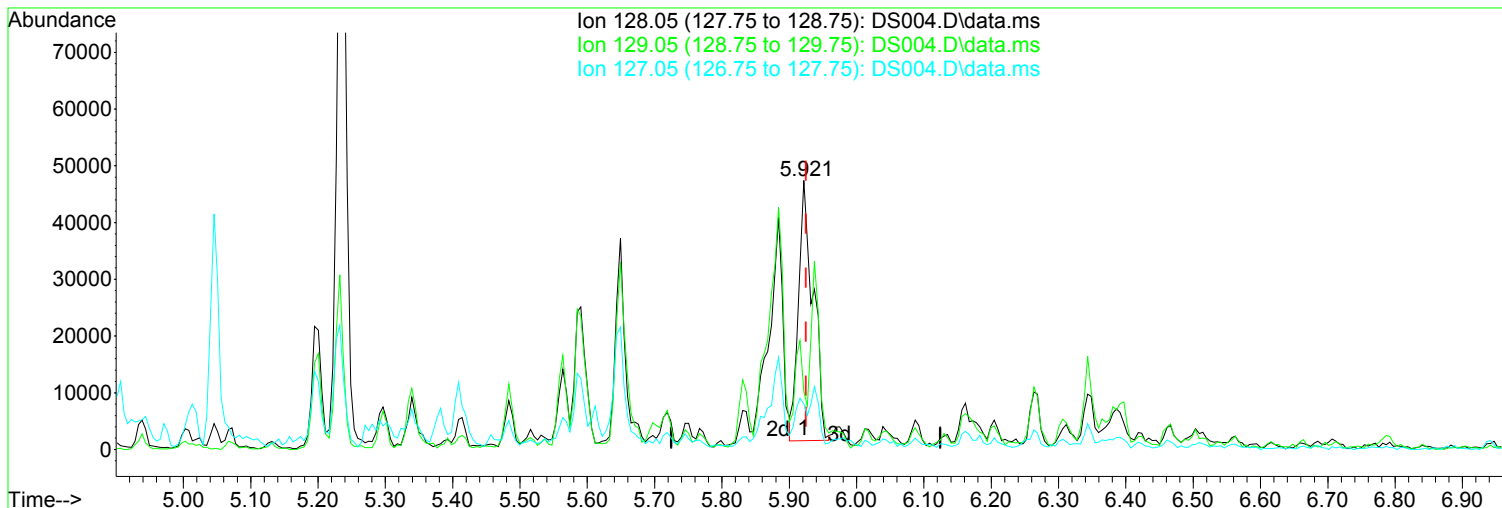
Poor integration.

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	21.57
127.05	13.10	16.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS004.D\data.ms

(45) Naphthalene (TM)

Manual Integration:

5.921min (-0.004) 4.81 ppm

Before

response 68913

Ion	Exp%	Act%
128.05	100.00	100.00
129.05	11.10	14.57
127.05	13.10	14.32
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS004.D
 Acq On : 13 May 2019 9:38 am
 Operator : JMisiurewicz
 Sample : RQ1904334-01
 Misc : 336273/330 8270D/625 BLK RQ1904365-01
 ALS Vial : 5 Sample Multiplier: 1

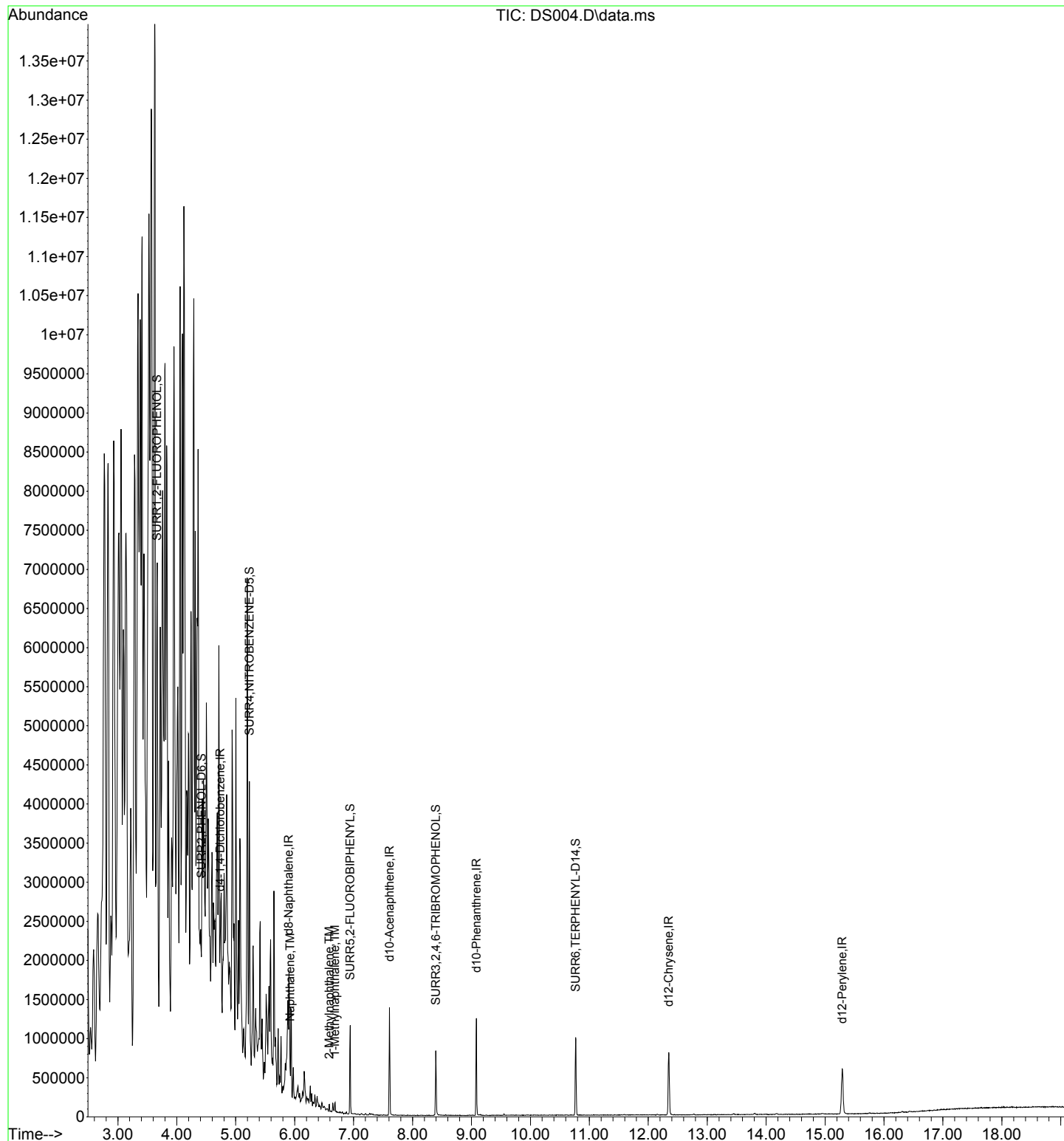
Quant Time: May 14 06:30:23 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

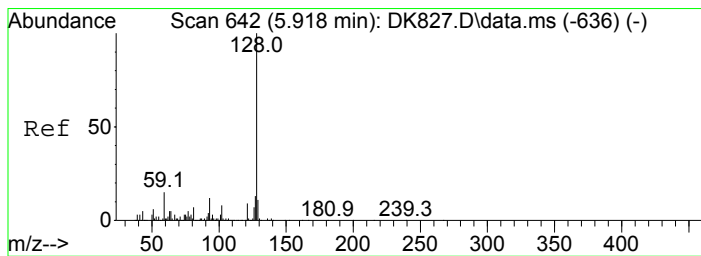
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	144115	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	520257	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	263517	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	422100	40.00	ppm	0.00
117) d12-Chrysene	12.347	240	391086	40.00	ppm	0.00
135) d12-Perylene	15.290	264	382993	40.00	ppm	0.00
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	170685	32.56	ppm	0.00
Spiked Amount 100.000	Range 10 - 70		Recovery =	32.56%		
12) SURR2,PHENOL-D6	4.421	99	138939	21.57	ppm	0.00
Spiked Amount 100.000	Range 10 - 107		Recovery =	21.57%		
34) SURR4,NITROBENZENE-D5	5.232	82	171195	32.43	ppm	0.00
Spiked Amount 50.000	Range 31 - 110		Recovery =	64.86%		
63) SURR5,2-FLUOROBIPHENYL	6.942	172	329305	32.86	ppm	0.00
Spiked Amount 50.000	Range 31 - 118		Recovery =	65.72%		
88) SURR3,2,4,6-TRIBROMOPH...	8.394	330	92575	85.79	ppm	0.00
Spiked Amount 100.000	Range 35 - 141		Recovery =	85.79%		
124) SURR6,TERPHENYL-D14	10.766	244	341533	37.07	ppm	0.00
Spiked Amount 50.000	Range 10 - 165		Recovery =	74.14%		
Target Compounds						
45) Naphthalene	5.921	128	51251m	3.574	ppm	Qvalue
55) 2-Methylnaphthalene	6.589	142	28748	3.098	ppm	95
56) 1-Methylnaphthalene	6.685	142	33184	3.822	ppm	93

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS004.D
Acq On : 13 May 2019 9:38 am
Operator : JMisiurewicz
Sample : RQ1904334-01
Misc : 336273/330 8270D/625 BLK RQ1904365-01
ALS Vial : 5 Sample Multiplier: 1

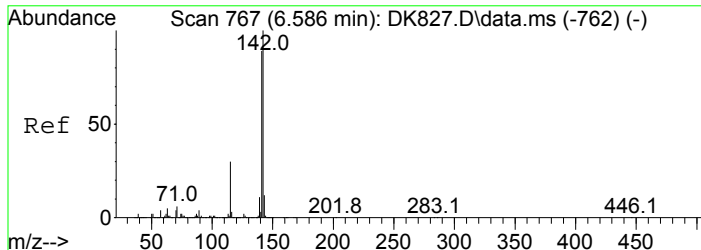
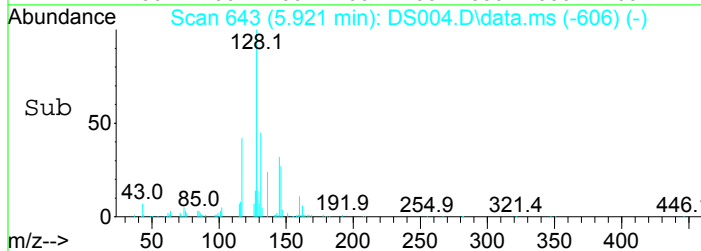
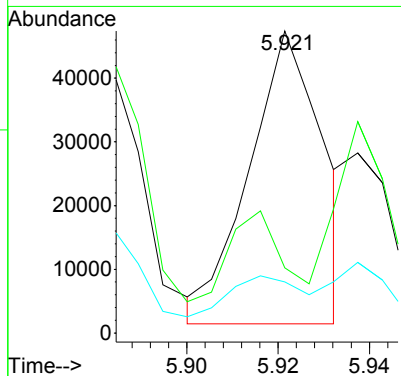
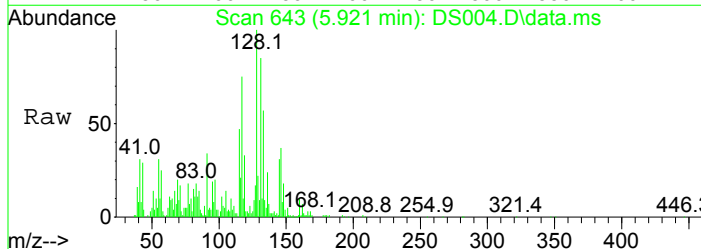
Quant Time: May 14 06:30:23 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration





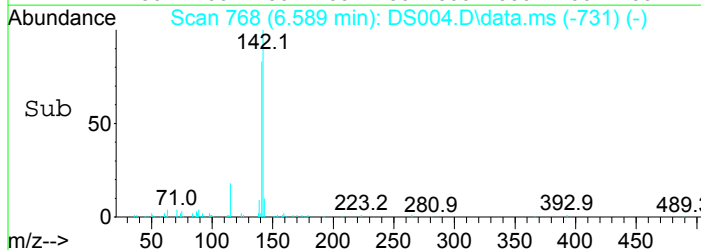
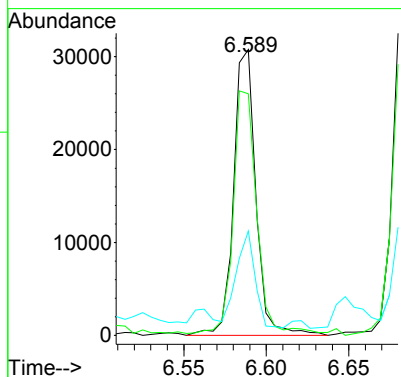
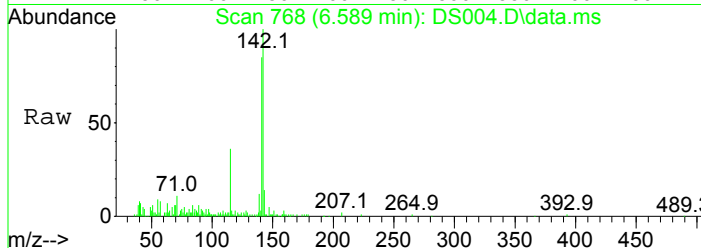
#45
 Naphthalene
 Concen: 3.57 ppm m
 RT: 5.921 min Scan# 643
 Delta R.T. -0.004 min
 Lab File: DS004.D
 Acq: 13 May 2019 9:38 am

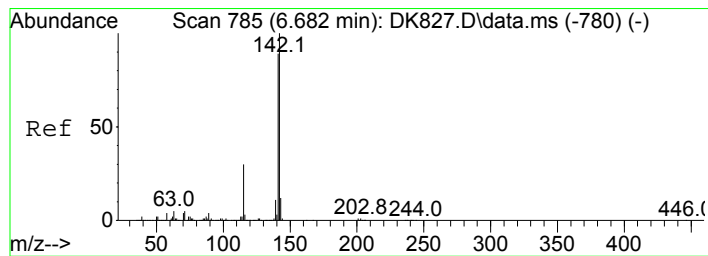
Tgt Ion	Resp	Lower	Upper
128	51251		
129	21.6	0.0	31.1
127	17.0	0.0	33.1



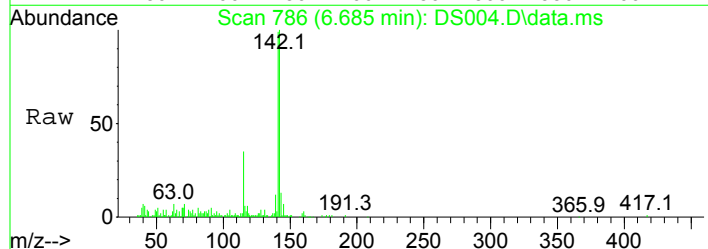
#55
 2-Methylnaphthalene
 Concen: 3.10 ppm
 RT: 6.589 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: DS004.D
 Acq: 13 May 2019 9:38 am

Tgt Ion	Resp	Lower	Upper
142	28748		
141	83.7	70.1	110.1
115	32.9	12.3	52.3

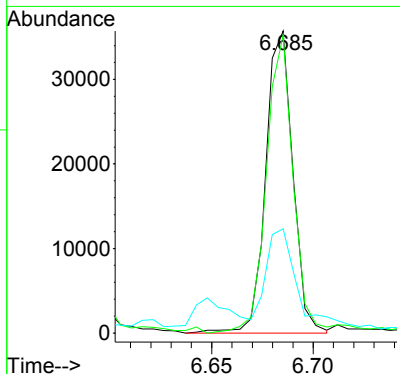
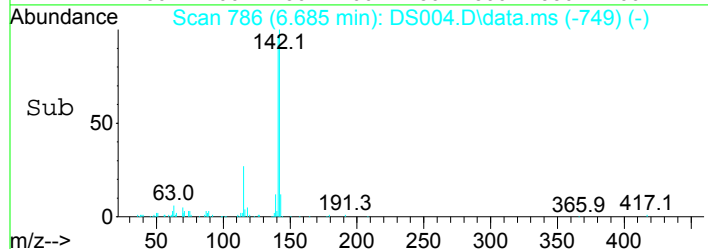




#56
1-Methylnaphthalene
Concen: 3.82 ppm
RT: 6.685 min Scan# 786
Delta R.T. 0.000 min
Lab File: DS004.D
Acq: 13 May 2019 9:38 am



Tgt Ion	Resp	Lower	Upper
142	100		
141	97.7	60.3	120.3
115	30.7	3.8	63.8



Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR958.D
 Acq On : 7 May 2019 6:38 pm
 Operator : JMisiurewicz
 Sample : RQ1904141-04
 Misc : 335966 8270D/625 LCS
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 08 13:29:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.733	152	107990	40.00	ppm	0.00
33) d8-Naphthalene	5.897	136	416241	40.00	ppm	0.00
57) d10-Acenaphthene	7.607	164	204770	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	299342	40.00	ppm	0.00
117) d12-Chrysene	12.344	240	312382	40.00	ppm	-0.01
135) d12-Perylene	15.276	264	299840	40.00	ppm	-0.02

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.654	112	177206	45.11	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	45.11%
12) SURR2,PHENOL-D6	4.418	99	145669	30.19	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	30.19%
34) SURR4,NITROBENZENE-D5	5.230	82	162931	38.57	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	77.14%
63) SURR5,2-FLUOROBIPHENYL	6.939	172	306773	39.40	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	78.80%
88) SURR3,2,4,6-TRIBROMOPH...	8.392	330	81902	97.68	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	97.68%
124) SURR6,TERPHENYL-D14	10.763	244	315887	42.93	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	85.86%

Target Compounds						Qvalue
2) Pyridine	2.623	79	113245	26.845	ppm	89
3) N-Nitrosodimethylamine	2.586	74	64991	25.779	ppm	95
10) Benzaldehyde	4.364	106	118064	42.740	ppm	95
11) Aniline	4.450	93	219234	35.597	ppm	94
13) Phenol	4.429	94	98117	18.591	ppm	95
14) bis(2-Clethyl)Ether	4.493	93	157101	43.021	ppm	95
16) 2-Chlorophenol	4.557	128	155225	37.443	ppm	97
17) 1,3-Diclbzene	4.680	146	126728	29.373	ppm	98
18) 1,4-Dichlorobenzene	4.744	146	134559	30.477	ppm	96
19) 1,2-Diclbzene	4.883	146	126953	30.094	ppm	98
20) Benzyl Alcohol	4.851	79	115711	41.212	ppm	94
21) 1-Methyl-2-pyrrolidinone	4.899	99	39052	15.218	ppm	92
22) 2,2'-oxybis(1-Chloropr...	4.957	45	201344	57.382	ppm	94
23) 2-Methylphenol	4.952	108	122788	33.009	ppm	94
24) 3+4-Methylphenol	5.096	108	125458	29.807	ppm	96
25) Acetophenone	5.091	105	409550	78.343	ppm	96
26) N-Nitroso-Di-n-propyla...	5.080	70	123262	43.719	ppm	# 76
30) Hexachloroethane	5.182	117	49597	29.185	ppm	96
32) Alpha-terpinol	5.919	121	64056	46.436	ppm	96
35) Nitrobenzene	5.251	77	176352	41.569	ppm	92
37) Isophorone	5.465	82	324612	45.905	ppm	97
38) 2-Nitrophenol	5.545	139	86465	39.393	ppm	90
39) 2,4-Dimethylphenol	5.577	107	173922	44.002	ppm	94
40) bis(-2-Chloroethoxy)Me...	5.657	93	197764	47.566	ppm	99
41) Benzoic Acid	5.684	105	137519	80.201	ppm	90
42) 2,4-Dichlorophenol	5.780	162	128318	40.985	ppm	99
44) 1,2,4-Trichlorobenzene	5.844	180	106691	32.320	ppm	97
45) Naphthalene	5.919	128	394398	34.379	ppm	100
46) 4-Chloroaniline	5.977	127	182303	37.977	ppm	100
48) Hexachlorobutadiene	6.020	225	56147	33.569	ppm	90
50) 4-Chloro-3-methylphenol	6.453	107	131438	42.034	ppm	94
52) Caprolactam	6.314	113	13468	10.853	ppm	88
55) 2-Methylnaphthalene	6.586	142	256858	34.597	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR958.D
 Acq On : 7 May 2019 6:38 pm
 Operator : JMisiurewicz
 Sample : RQ1904141-04
 Misc : 335966 8270D/625 LCS
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 08 13:29:34 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.683	142	256385	36.911	ppm	98
58) Hexachlorocyclopentadiene	6.725	237	32055	26.270	ppm	94
59) 1,2,4,5-Tetrachloroben...	6.747	216	108142	35.882	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.024	216	106204	33.466	ppm	95
61) 2,4,6-Trichlorophenol	6.869	196	86809	45.476	ppm	97
62) 2,4,5-Trichlorophenol	6.918	196	95120	46.330	ppm	100
65) 1,1'-Biphenyl	7.040	154	340337	37.518	ppm	99
66) 2-Chloronaphthalene	7.062	162	241717	36.867	ppm	100
67) 2-Nitroaniline	7.174	65	87606	46.744	ppm	90
69) m-Dinitrobenzene	7.393	168	52625	40.853	ppm	91
70) Acenaphthylene	7.473	152	423172	40.296	ppm	99
71) Dimethyl phthalate	7.339	163	302982	39.525	ppm	99
72) 2,6-Dinitrotoluene	7.409	165	76348	43.871	ppm	90
73) Acenaphthene	7.639	153	279872	38.310	ppm	99
74) 3-Nitroaniline	7.585	138	66463	33.222	ppm	92
75) 2,4-Dinitrophenol	7.692	184	30473	51.686	ppm	92
76) Dibenzofuran	7.809	168	375258	41.598	ppm	97
77) 2,4-Dinitrotoluene	7.809	165	98708	42.947	ppm	91
78) 4-Nitrophenol	7.809	65	29760	22.673	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.938	232	65027	47.209	ppm	92
83) Fluorene	8.151	166	315898	42.590	ppm	98
84) 4-Chlorophenyl-phenyle...	8.146	204	140931	47.098	ppm	96
85) Diethylphthalate	8.028	149	301065	39.658	ppm	99
86) 4-Nitroaniline	8.189	138	80542	40.816	ppm	93
90) Octachlorocyclopentene	8.392	307	33651	34.889	ppm	96
93) 4,6-Dinitro-2-methylph...	8.215	198	51272	44.434	ppm	95
94) Diphenylamine	8.269	169	256730	48.535	ppm	98
95) 1,2 Diphenylhydrazine	8.301	77	338408	50.698	ppm	95
96) N-Nitrosodiphenylamine	8.269	169	256730	48.535	ppm	98
101) 4-Bromophenyl-phenylether	8.627	248	76006	48.560	ppm	92
102) Hexachlorobenzene	8.691	284	82061	46.621	ppm	90
104) Atrazine	8.798	215	43592	50.932	ppm	91
105) Pentachlorophenol	8.894	266	39949	64.539	ppm	96
111) Phenanthrene	9.102	178	414455	43.781	ppm	99
112) Anthracene	9.155	178	434300	46.172	ppm	98
113) Carbazole	9.321	167	430634	46.608	ppm	98
114) Di-n-butylphthalate	9.641	149	543300	45.493	ppm	99
116) Fluoranthene	10.314	202	464361	47.914	ppm	99
122) Benzidine	10.480	184	672697	91.776	ppm	98
123) Pyrene	10.581	202	499574	43.551	ppm	100
128) Butyl benzyl phthalate	11.431	149	256361	40.285	ppm	97
131) 3,3'-Dichlorobenzidine	12.301	252	154350	37.147	ppm	98
132) Benzo(a)anthracene	12.328	228	458443	43.220	ppm	99
133) Chrysene	12.392	228	449095	46.023	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.392	149	367318	41.946	ppm	99
136) Di-n-octyl phthalate	13.711	149	559083	39.289	ppm	97
138) Benzo(b)Fluoranthene	14.443	252	422577	42.351	ppm	97
139) Benzo(k)fluoranthene	14.502	252	432271	45.741	ppm	99
140) Benzo(a)pyrene	15.148	252	394873	46.017	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.242	276	373215	44.350	ppm	93
143) Dibenz(a,h)anthracene	17.285	278	352931	40.027	ppm	93
144) Benzo(g,h,i)perylene	17.696	276	433616	59.786	ppm	95

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS005.D
 Acq On : 13 May 2019 10:07 am
 Operator : JMisiurewicz
 Sample : RQ1904334-02
 Misc : 336273/330 8270D/625 LCS RQ1904365-02
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 06:30:28 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	139773	40.00	ppm	0.00	
33) d8-Naphthalene	5.900	136	565034	40.00	ppm	0.00	
57) d10-Acenaphthene	7.609	164	269101	40.00	ppm	0.00	
91) d10-Phenanthrene	9.084	188	385845	40.00	ppm	0.00	
117) d12-Chrysene	12.352	240	405052	40.00	ppm	0.00	
135) d12-Perylene	15.295	264	385979	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.657	112	167437	32.93	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	32.93%	
12) SURR2,PHENOL-D6	4.421	99	146027	23.38	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	23.38%	
34) SURR4,NITROBENZENE-D5	5.233	82	164219	28.64	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	57.28%	
63) SURR5,2-FLUOROBIPHENYL	6.942	172	326962	31.95	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	63.90%	
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	87764	79.65	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	79.65%	
124) SURR6,TERPHENYL-D14	10.766	244	343823	36.03	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	72.06%	
Target Compounds							
							Qvalue
2) Pyridine	2.637	79	139368	25.525	ppm		97
3) N-Nitrosodimethylamine	2.594	74	63652	19.507	ppm	#	52
10) Benzaldehyde	4.362	106	118868	33.246	ppm		98
11) Aniline	4.448	93	228564	28.673	ppm		97
13) Phenol	4.432	94	100788	14.755	ppm		95
14) bis(2-Clethyl)Ether	4.490	93	157649	33.355	ppm		96
16) 2-Chlorophenol	4.560	128	149443	27.851	ppm		98
17) 1,3-Diclbzene	4.683	146	138056	24.722	ppm		97
18) 1,4-Dichlorobenzene	4.747	146	145048	25.382	ppm		96
19) 1,2-Diclbzene	4.880	146	140004	25.641	ppm		98
20) Benzyl Alcohol	4.854	79	102445	28.190	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.891	99	43602	13.128	ppm		89
22) 2,2'-oxybis(1-Chloropr...	4.960	45	196339	43.232	ppm		94
23) 2-Methylphenol	4.955	108	122352	25.413	ppm		86
24) 3+4-Methylphenol	5.094	108	123000	22.578	ppm		96
25) Acetophenone	5.088	105	423804	62.636	ppm		97
26) N-Nitroso-Di-n-propyla...	5.078	70	124051	33.994	ppm	#	76
30) Hexachloroethane	5.179	117	59342	26.979	ppm		94
32) Alpha-terpinol	5.922	121	69016	38.655	ppm		94
35) Nitrobenzene	5.249	77	172632	29.976	ppm		97
37) Isophorone	5.462	82	342891	35.721	ppm		98
38) 2-Nitrophenol	5.543	139	94376	31.675	ppm		96
39) 2,4-Dimethylphenol	5.580	107	169200	31.535	ppm		95
40) bis(-2-Chloroethoxy)Me...	5.660	93	206255	36.545	ppm		99
41) Benzoic Acid	5.676	105	117631	56.282	ppm		96
42) 2,4-Dichlorophenol	5.783	162	131563	30.956	ppm		96
44) 1,2,4-Trichlorobenzene	5.842	180	122112	27.250	ppm		96
45) Naphthalene	5.922	128	442321	28.403	ppm		98
46) 4-Chloroaniline	5.975	127	204445	31.374	ppm		99
48) Hexachlorobutadiene	6.023	225	64571	28.439	ppm		100
50) 4-Chloro-3-methylphenol	6.456	107	133085	31.353	ppm		98
52) Caprolactam	6.312	113	15704	9.322	ppm		94
55) 2-Methylnaphthalene	6.584	142	300464	29.813	ppm		99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS005.D
 Acq On : 13 May 2019 10:07 am
 Operator : JMisiurewicz
 Sample : RQ1904334-02
 Misc : 336273/330 8270D/625 LCS RQ1904365-02
 ALS Vial : 6 Sample Multiplier: 1

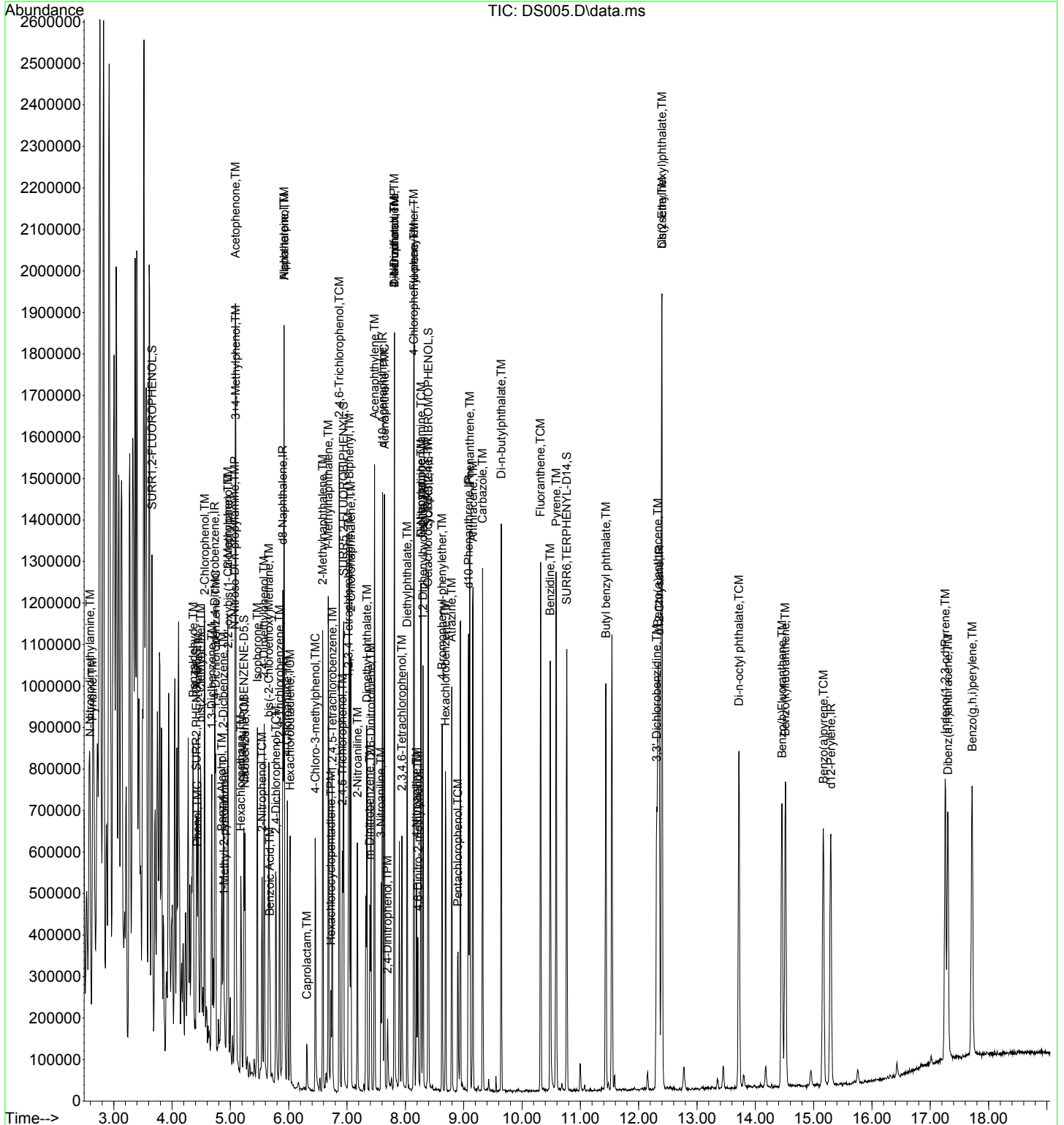
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 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.680	142	299547	31.769	ppm	98
58) Hexachlorocyclopentadiene	6.723	237	32173	20.637	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.750	216	120927	30.532	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.027	216	125226	30.027	ppm	95
61) 2,4,6-Trichlorophenol	6.867	196	88711	35.363	ppm	99
62) 2,4,5-Trichlorophenol	6.920	196	99000	36.692	ppm	97
65) 1,1'-Biphenyl	7.038	154	362407	30.401	ppm	99
66) 2-Chloronaphthalene	7.065	162	282130	32.744	ppm	98
67) 2-Nitroaniline	7.177	65	90693	36.823	ppm	97
69) m-Dinitrobenzene	7.391	168	56062	33.117	ppm	79
70) Acenaphthylene	7.471	152	480139	34.791	ppm	99
71) Dimethyl phthalate	7.342	163	347456	34.491	ppm	100
72) 2,6-Dinitrotoluene	7.412	165	83360	36.449	ppm	94
73) Acenaphthene	7.642	153	318887	33.216	ppm	98
74) 3-Nitroaniline	7.583	138	80534	30.632	ppm	94
75) 2,4-Dinitrophenol	7.695	184	29725	40.771	ppm	99
76) Dibenzofuran	7.812	168	428131	36.114	ppm	98
77) 2,4-Dinitrotoluene	7.812	165	106497	35.259	ppm	98
78) 4-Nitrophenol	7.812	65	26475	15.349	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.941	232	70442	38.915	ppm	98
83) Fluorene	8.149	166	354715	36.391	ppm	97
84) 4-Chlorophenyl-phenyle...	8.144	204	156118	39.700	ppm	99
85) Diethylphthalate	8.031	149	321770	32.253	ppm	99
86) 4-Nitroaniline	8.192	138	87127	33.598	ppm	90
90) Octachlorocyclopentene	8.389	307	36658	28.921	ppm	93
93) 4,6-Dinitro-2-methylph...	8.218	198	53069	35.681	ppm	96
94) Diphenylamine	8.266	169	277029	40.631	ppm	100
95) 1,2-Diphenylhydrazine	8.304	77	369663	42.964	ppm	98
96) N-Nitrosodiphenylamine	8.266	169	277652	40.722	ppm	100
101) 4-Bromophenyl-phenylether	8.630	248	88589	43.910	ppm	97
102) Hexachlorobenzene	8.688	284	94074	41.464	ppm	97
104) Atrazine	8.795	215	49192	44.589	ppm	94
105) Pentachlorophenol	8.902	266	44217	56.839	ppm	95
111) Phenanthrene	9.105	178	452610	37.092	ppm	100
112) Anthracene	9.158	178	469974	38.763	ppm	98
113) Carbazole	9.324	167	484842	40.711	ppm	99
114) Di-n-butylphthalate	9.644	149	618485	40.178	ppm	100
116) Fluoranthene	10.317	202	521393	41.737	ppm	98
122) Benzidine	10.483	184	456282	48.008	ppm	98
123) Pyrene	10.584	202	543079	36.512	ppm	100
128) Butyl benzyl phthalate	11.439	149	292790	35.483	ppm	98
131) 3,3'-Dichlorobenzidine	12.310	252	185183	34.371	ppm	98
132) Benzo(a)anthracene	12.331	228	508600	36.979	ppm	98
133) Chrysene	12.400	228	487422	38.522	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.400	149	410354	36.139	ppm	97
136) Di-n-octyl phthalate	13.720	149	684690	37.378	ppm	98
138) Benzo(b)Fluoranthene	14.457	252	466864	36.347	ppm	98
139) Benzo(k)fluoranthene	14.515	252	473417	38.915	ppm	97
140) Benzo(a)pyrene	15.167	252	437824	39.636	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.255	276	420629	38.829	ppm	98
143) Dibenz(a,h)anthracene	17.304	278	379128	33.402	ppm	96
144) Benzo(g,h,i)perylene	17.720	276	455494	48.787	ppm	95

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS005.D
Acq On : 13 May 2019 10:07 am
Operator : JMisiurewicz
Sample : RQ1904334-02
Misc : 336273/330 8270D/625 LCS RQ1904365-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 14 06:30:28 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR959.D
 Acq On : 7 May 2019 7:07 pm
 Operator : JMisiurewicz
 Sample : RQ1904141-05
 Misc : 335966 8270D/625 LCSD
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 08 13:29:39 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.730	152	110313	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	419251	40.00	ppm	0.00
57) d10-Acenaphthene	7.604	164	207783	40.00	ppm	0.00
91) d10-Phenanthrene	9.078	188	300414	40.00	ppm	0.00
117) d12-Chrysene	12.347	240	309520	40.00	ppm	0.00
135) d12-Perylene	15.279	264	300133	40.00	ppm	-0.01

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.657	112	167218	41.68	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	41.68%
12) SURR2,PHENOL-D6	4.415	99	144635	29.34	ppm	-0.01
Spiked Amount	100.000	Range	10 - 107	Recovery	=	29.34%
34) SURR4,NITROBENZENE-D5	5.233	82	168568	39.62	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	79.24%
63) SURR5,2-FLUOROBIPHENYL	6.936	172	308748	39.08	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	78.16%
88) SURR3,2,4,6-TRIBROMOPH...	8.394	330	78243	91.96	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	91.96%
124) SURR6,TERPHENYL-D14	10.761	244	307789	42.21	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	84.42%

Target Compounds						Qvalue
2) Pyridine	2.621	79	103876	24.105	ppm	89
3) N-Nitrosodimethylamine	2.583	74	60006	23.301	ppm	94
10) Benzaldehyde	4.362	106	114471	40.566	ppm	91
11) Aniline	4.447	93	209943	33.371	ppm	93
13) Phenol	4.426	94	97802	18.141	ppm	91
14) bis(2-Clethyl)Ether	4.490	93	153156	41.058	ppm	92
16) 2-Chlorophenol	4.554	128	144506	34.123	ppm	95
17) 1,3-Diclbzene	4.682	146	120063	27.242	ppm	98
18) 1,4-Dichlorobenzene	4.746	146	124900	27.693	ppm	96
19) 1,2-Diclbzene	4.880	146	119870	27.816	ppm	97
20) Benzyl Alcohol	4.853	79	112252	39.138	ppm	94
21) 1-Methyl-2-pyrrolidinone	4.891	99	40515	15.456	ppm	# 81
22) 2,2'-oxybis(1-Chloropr...	4.955	45	196178	54.732	ppm	94
23) 2-Methylphenol	4.955	108	120399	31.685	ppm	94
24) 3+4-Methylphenol	5.094	108	118612	27.587	ppm	92
25) Acetophenone	5.088	105	410459	76.864	ppm	96
26) N-Nitroso-Di-n-propyla...	5.078	70	123907	43.022	ppm	# 79
30) Hexachloroethane	5.179	117	47755	27.509	ppm	97
32) Alpha-terpinol	5.922	121	64490	45.766	ppm	97
35) Nitrobenzene	5.249	77	173137	40.518	ppm	93
37) Isophorone	5.462	82	328576	46.132	ppm	96
38) 2-Nitrophenol	5.542	139	85998	38.899	ppm	88
39) 2,4-Dimethylphenol	5.580	107	171590	43.100	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.660	93	197473	47.155	ppm	99
41) Benzoic Acid	5.687	105	136723	79.354	ppm	95
42) 2,4-Dichlorophenol	5.777	162	124857	39.594	ppm	99
44) 1,2,4-Trichlorobenzene	5.841	180	101079	30.400	ppm	97
45) Naphthalene	5.922	128	376844	32.613	ppm	99
46) 4-Chloroaniline	5.975	127	171471	35.464	ppm	98
48) Hexachlorobutadiene	6.023	225	53968	32.034	ppm	93
50) 4-Chloro-3-methylphenol	6.450	107	132888	42.193	ppm	# 26
52) Caprolactam	6.311	113	13650	10.920	ppm	81
55) 2-Methylnaphthalene	6.584	142	254405	34.020	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR959.D
 Acq On : 7 May 2019 7:07 pm
 Operator : JMisiurewicz
 Sample : RQ1904141-05
 Misc : 335966 8270D/625 LCSD
 ALS Vial : 18 Sample Multiplier: 1

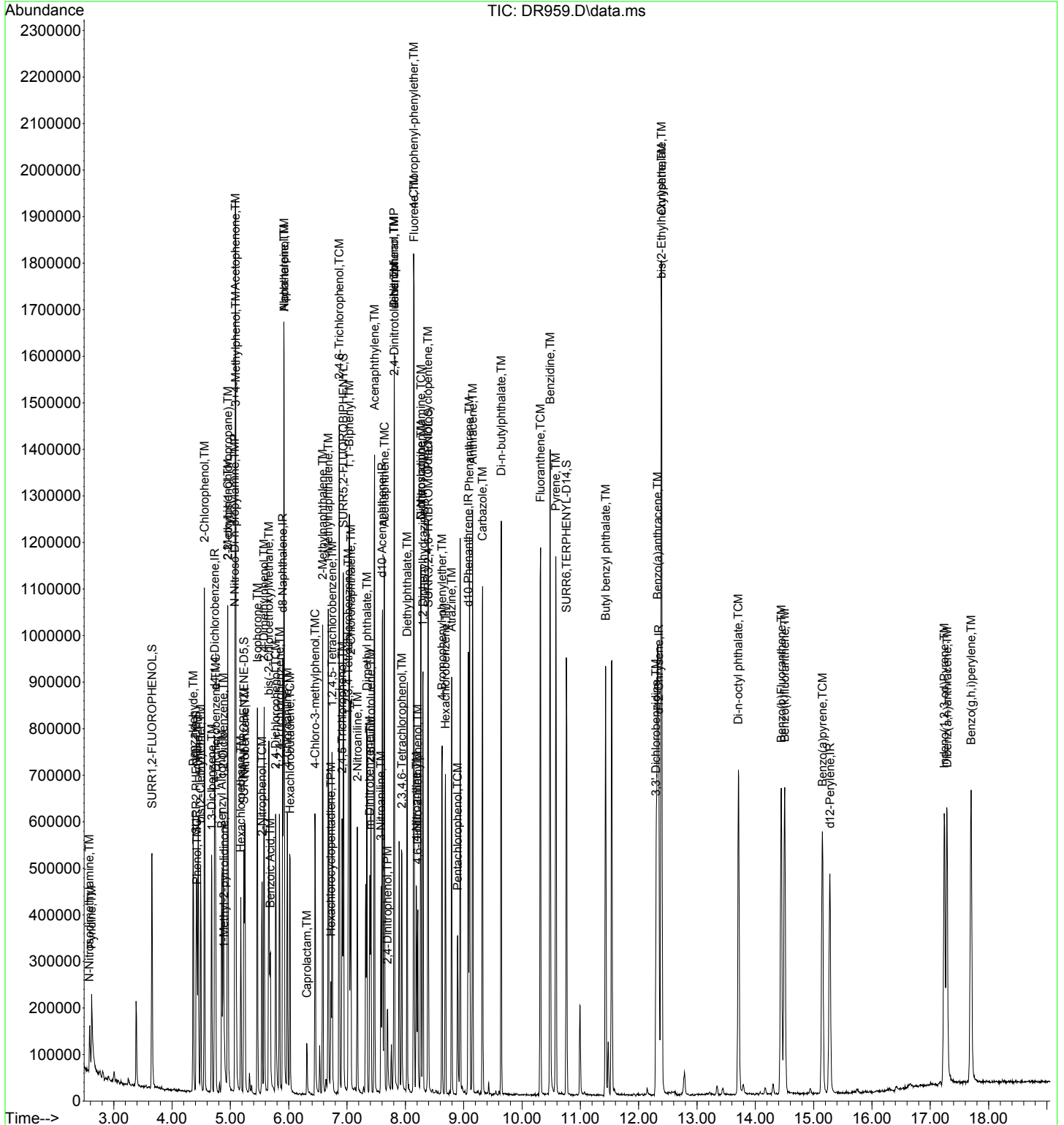
Quant Time: May 08 13:29:39 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.680	142	256239	36.625	ppm	99
58) Hexachlorocyclopentadiene	6.723	237	29473	24.047	ppm	95
59) 1,2,4,5-Tetrachloroben...	6.744	216	111165	36.351	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.022	216	112419	34.911	ppm	97
61) 2,4,6-Trichlorophenol	6.867	196	88246	45.559	ppm	99
62) 2,4,5-Trichlorophenol	6.915	196	95139	45.667	ppm	99
65) 1,1'-Biphenyl	7.038	154	341975	37.152	ppm	99
66) 2-Chloronaphthalene	7.064	162	238351	35.826	ppm	99
67) 2-Nitroaniline	7.177	65	91967	48.360	ppm	93
69) m-Dinitrobenzene	7.390	168	55747	42.649	ppm	87
70) Acenaphthylene	7.470	152	428194	40.183	ppm	100
71) Dimethyl phthalate	7.342	163	312060	40.119	ppm	99
72) 2,6-Dinitrotoluene	7.412	165	77630	43.961	ppm	# 74
73) Acenaphthene	7.641	153	282074	38.052	ppm	97
74) 3-Nitroaniline	7.583	138	64756	31.899	ppm	95
75) 2,4-Dinitrophenol	7.695	184	30758	51.470	ppm	99
76) Dibenzofuran	7.807	168	373026	40.751	ppm	97
77) 2,4-Dinitrotoluene	7.812	165	99992	42.874	ppm	95
78) 4-Nitrophenol	7.807	65	31521	23.667	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.940	232	66303	47.437	ppm	94
83) Fluorene	8.149	166	316155	42.007	ppm	97
84) 4-Chlorophenyl-phenyle...	8.143	204	138063	45.470	ppm	95
85) Diethylphthalate	8.031	149	300654	39.030	ppm	99
86) 4-Nitroaniline	8.191	138	80683	40.294	ppm	93
90) Octachlorocyclopentene	8.389	307	35902	36.683	ppm	98
93) 4,6-Dinitro-2-methylph...	8.213	198	49580	42.815	ppm	92
94) Diphenylamine	8.266	169	248926	46.891	ppm	96
95) 1,2-Diphenylhydrazine	8.304	77	341024	50.907	ppm	97
96) N-Nitrosodiphenylamine	8.266	169	248926	46.891	ppm	96
101) 4-Bromophenyl-phenylether	8.629	248	77876	49.577	ppm	94
102) Hexachlorobenzene	8.688	284	85296	48.286	ppm	93
104) Atrazine	8.795	215	43428	50.559	ppm	99
105) Pentachlorophenol	8.896	266	42196	67.337	ppm	97
111) Phenanthrene	9.099	178	422875	44.511	ppm	99
112) Anthracene	9.153	178	445264	47.169	ppm	97
113) Carbazole	9.324	167	446037	48.103	ppm	99
114) Di-n-butylphthalate	9.644	149	564644	47.112	ppm	100
116) Fluoranthene	10.317	202	485315	49.897	ppm	97
122) Benzidine	10.483	184	582644	80.225	ppm	98
123) Pyrene	10.579	202	503607	44.308	ppm	99
128) Butyl benzyl phthalate	11.434	149	261095	41.409	ppm	99
131) 3,3'-Dichlorobenzidine	12.299	252	153836	37.366	ppm	96
132) Benzo(a)anthracene	12.325	228	472907	44.996	ppm	98
133) Chrysene	12.390	228	454460	47.003	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.395	149	368760	42.500	ppm	100
136) Di-n-octyl phthalate	13.709	149	582955	40.927	ppm	98
138) Benzo(b)Fluoranthene	14.446	252	435850	43.638	ppm	97
139) Benzo(k)fluoranthene	14.505	252	443170	46.848	ppm	99
140) Benzo(a)pyrene	15.151	252	404675	47.113	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.239	276	368956	43.801	ppm	94
143) Dibenz(a,h)anthracene	17.287	278	366886	41.569	ppm	95
144) Dibenz(g,h,i)perylene	17.699	276	453869	62.517	ppm	95

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

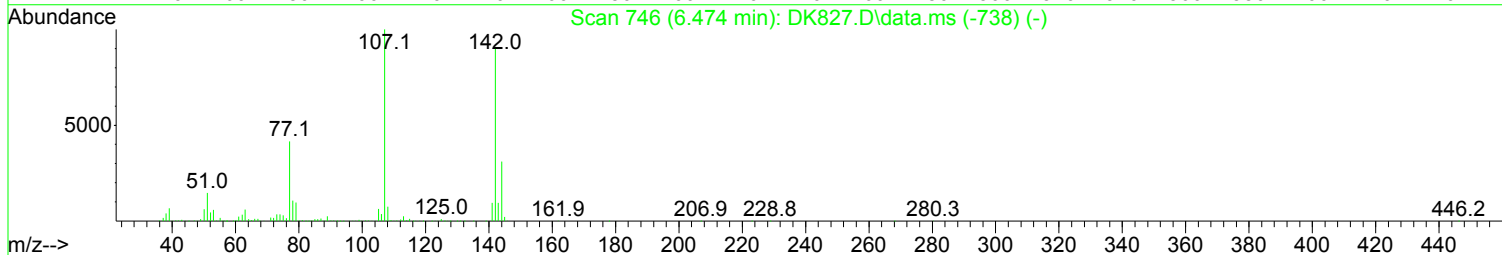
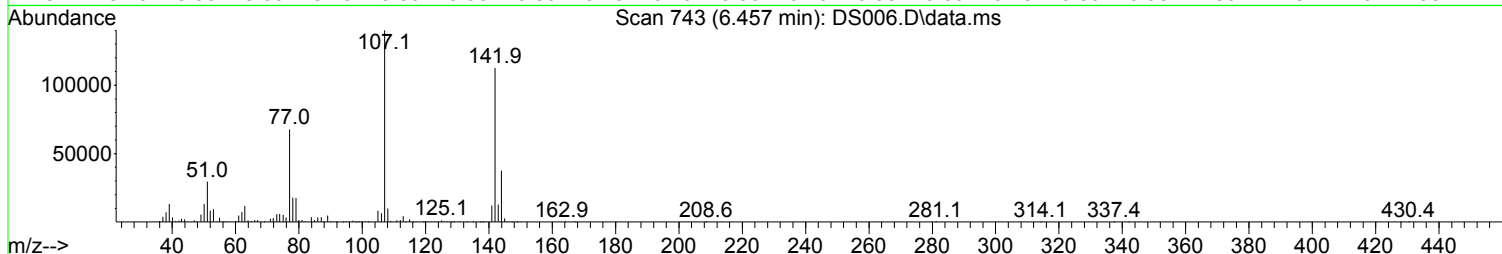
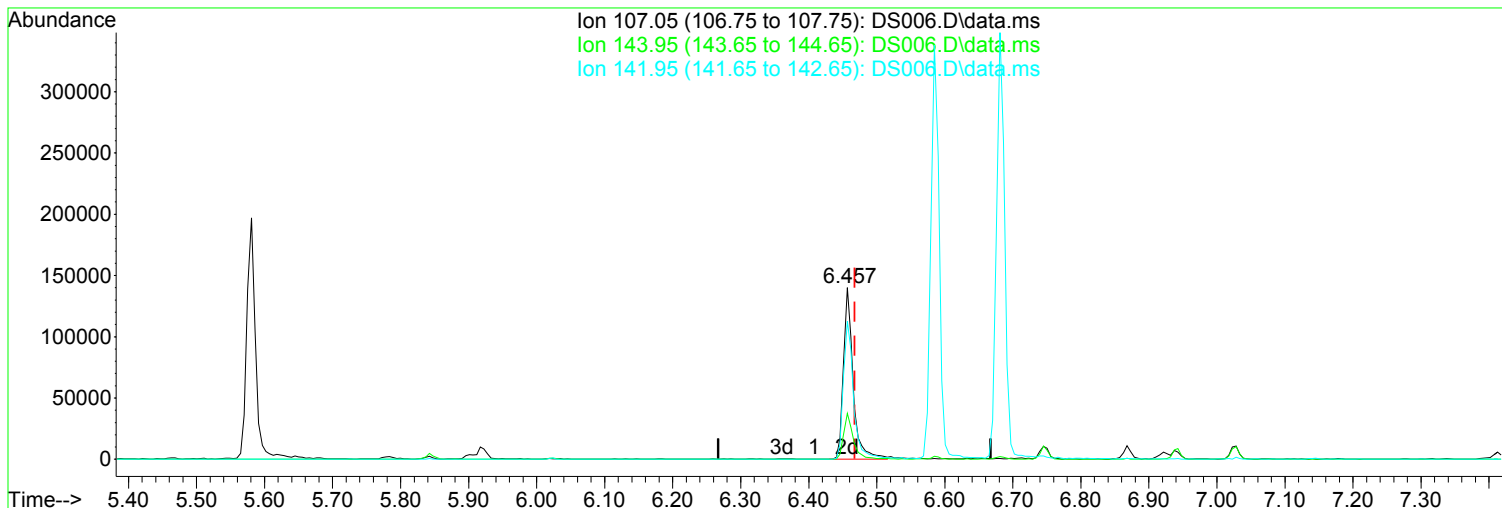
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Data File : DR959.D
Acq On : 7 May 2019 7:07 pm
Operator : JMisiurewicz
Sample : RQ1904141-05
Misc : 335966 8270D/625 LCS
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 08 13:29:39 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.457min (-0.011) 31.19 ppm m

After

response 139186

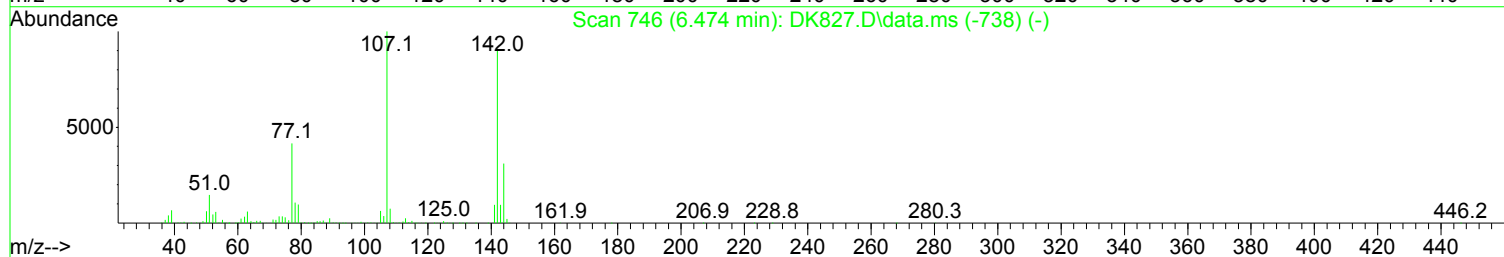
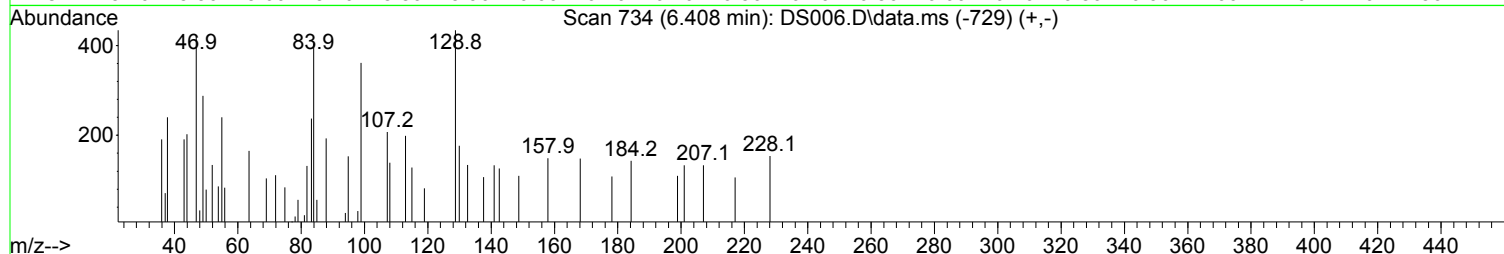
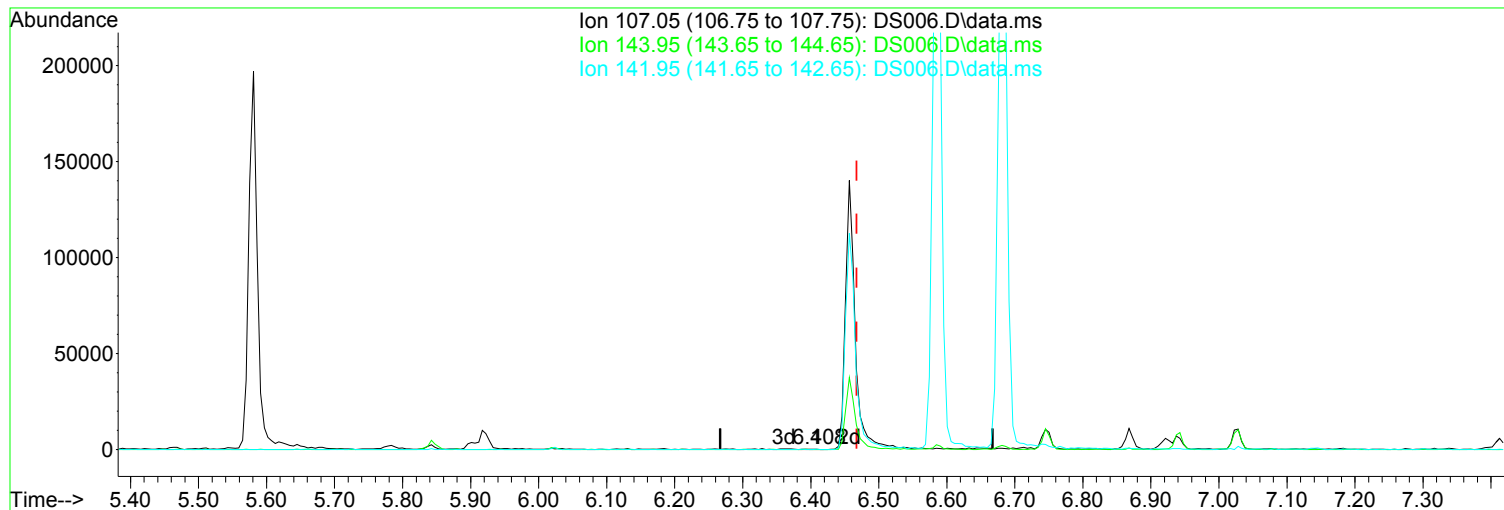
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	29.60	26.79
141.95	88.00	80.38
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS006.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.408min (-0.059) 0.05 ppm

Before

response 230

Ion Exp% Act%

05/14/19

107.05 100.00 100.00

143.95 29.60 0.00

141.95 88.00 60.87

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS006.D
 Acq On : 13 May 2019 10:36 am
 Operator : JMisiurewicz
 Sample : RQ1904334-03
 Misc : 336273/330 8270D/625 LCSD RQ1904365-03
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.731	152	143987	40.00	ppm	0.00	
33) d8-Naphthalene	5.901	136	594044	40.00	ppm	0.00	
57) d10-Acenaphthene	7.610	164	277100	40.00	ppm	0.00	
91) d10-Phenanthrene	9.079	188	402049	40.00	ppm	0.00	
117) d12-Chrysene	12.353	240	427340	40.00	ppm	0.00	
135) d12-Perylene	15.291	264	412551	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.658	112	182296	34.81	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	34.81%	
12) SURR2,PHENOL-D6	4.416	99	152947	23.77	ppm	-0.01	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	23.77%	
34) SURR4,NITROBENZENE-D5	5.233	82	170678	28.31	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	56.62%	
63) SURR5,2-FLUOROBIPHENYL	6.943	172	326383	30.98	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	61.96%	
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	88413	77.92	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	77.92%	
124) SURR6,TERPHENYL-D14	10.767	244	333915	33.17	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	66.34%	
Target Compounds							
							Qvalue
2) Pyridine	2.632	79	109395	19.449	ppm		94
3) N-Nitrosodimethylamine	2.595	74	68220	20.295	ppm	#	78
10) Benzaldehyde	4.363	106	123431	33.512	ppm		95
11) Aniline	4.448	93	202312	24.637	ppm		98
13) Phenol	4.432	94	104159	14.802	ppm		98
14) bis(2-Clethyl)Ether	4.491	93	161631	33.196	ppm		95
16) 2-Chlorophenol	4.555	128	153313	27.736	ppm		97
17) 1,3-Diclbzene	4.683	146	141991	24.683	ppm		98
18) 1,4-Dichlorobenzene	4.747	146	143418	24.362	ppm		99
19) 1,2-Diclbzene	4.881	146	143750	25.556	ppm		99
20) Benzyl Alcohol	4.854	79	109723	29.309	ppm		98
21) 1-Methyl-2-pyrrolidinone	4.886	99	45742	13.369	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	204030	43.610	ppm		85
23) 2-Methylphenol	4.956	108	129547	26.120	ppm		90
24) 3+4-Methylphenol	5.095	108	127742	22.762	ppm		94
25) Acetophenone	5.089	105	433047	62.128	ppm		99
26) N-Nitroso-Di-n-propyla...	5.079	70	124305	33.067	ppm	#	77
30) Hexachloroethane	5.180	117	58793	25.947	ppm		97
32) Alpha-terpinol	5.922	121	67056	36.458	ppm		94
35) Nitrobenzene	5.249	77	172573	28.503	ppm		98
37) Isophorone	5.463	82	343808	34.068	ppm		99
38) 2-Nitrophenol	5.543	139	93486	29.844	ppm		94
39) 2,4-Dimethylphenol	5.581	107	181925	32.250	ppm		97
40) bis(-2-Chloroethoxy)Me...	5.661	93	206085	34.731	ppm		98
41) Benzoic Acid	5.682	105	135686	60.199	ppm		93
42) 2,4-Dichlorophenol	5.778	162	128603	28.782	ppm		94
44) 1,2,4-Trichlorobenzene	5.842	180	117873	25.020	ppm		99
45) Naphthalene	5.922	128	429100	26.209	ppm		99
46) 4-Chloroaniline	5.976	127	199419	29.108	ppm		98
48) Hexachlorobutadiene	6.024	225	63648	26.664	ppm		95
50) 4-Chloro-3-methylphenol	6.457	107	139186m	31.189	ppm		
52) Caprolactam	6.312	113	16762	9.464	ppm		89
55) 2-Methylnaphthalene	6.585	142	288726	27.249	ppm		98

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS006.D
 Acq On : 13 May 2019 10:36 am
 Operator : JMisiurewicz
 Sample : RQ1904334-03
 Misc : 336273/330 8270D/625 LCSD RQ1904365-03
 ALS Vial : 7 Sample Multiplier: 1

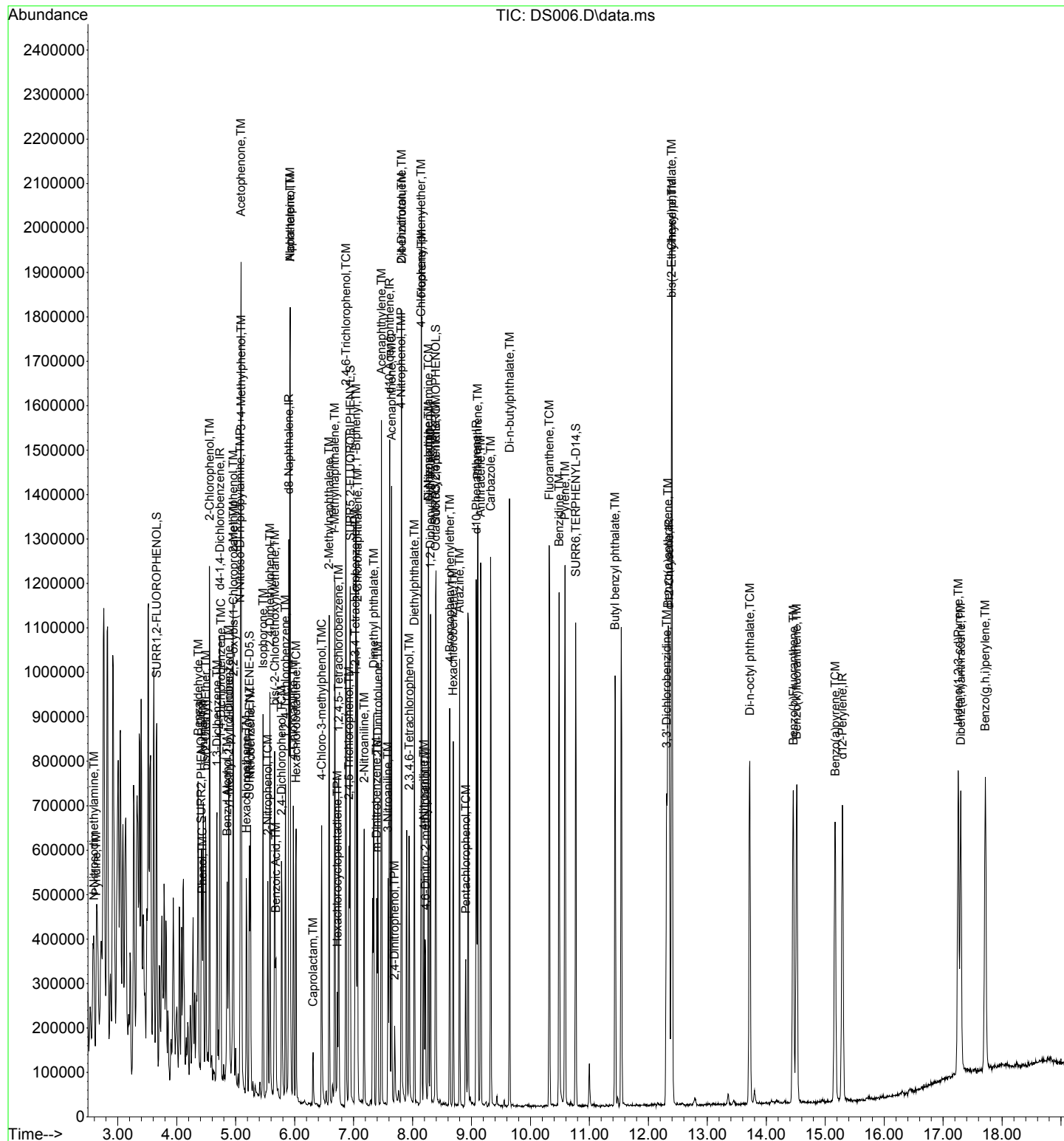
Quant Time: May 14 06:30:33 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1-Methylnaphthalene	6.681	142	292104	29.466	ppm	98
58) Hexachlorocyclopentadiene	6.724	237	31256	19.594	ppm	90
59) 1,2,4,5-Tetrachloroben...	6.745	216	117650	28.848	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.028	216	121010	28.178	ppm	98
61) 2,4,6-Trichlorophenol	6.868	196	92305	35.734	ppm	100
62) 2,4,5-Trichlorophenol	6.921	196	99329	35.751	ppm	98
65) 1,1'-Biphenyl	7.039	154	360427	29.362	ppm	99
66) 2-Chloronaphthalene	7.065	162	275750	31.080	ppm	98
67) 2-Nitroaniline	7.178	65	94320	37.190	ppm	98
69) m-Dinitrobenzene	7.391	168	60743	34.847	ppm	82
70) Acenaphthylene	7.471	152	476016	33.496	ppm	98
71) Dimethyl phthalate	7.343	163	347931	33.541	ppm	99
72) 2,6-Dinitrotoluene	7.413	165	82624	35.085	ppm	97
73) Acenaphthene	7.642	153	314250	31.788	ppm	96
74) 3-Nitroaniline	7.583	138	81790	30.212	ppm	96
75) 2,4-Dinitrophenol	7.696	184	29389	39.463	ppm	99
76) Dibenzofuran	7.813	168	418149	34.253	ppm	99
77) 2,4-Dinitrotoluene	7.813	165	109356	35.160	ppm	99
78) 4-Nitrophenol	7.808	65	32499	18.297	ppm	# 1
82) 2,3,4,6-Tetrachlorophenol	7.941	232	71339	38.272	ppm	94
83) Fluorene	8.150	166	350774	34.948	ppm	98
84) 4-Chlorophenyl-phenyle...	8.144	204	155169	38.320	ppm	99
85) Diethylphthalate	8.032	149	323846	31.524	ppm	97
86) 4-Nitroaniline	8.192	138	92010	34.456	ppm	97
90) Octachlorocyclopentene	8.390	307	37131	28.448	ppm	94
93) 4,6-Dinitro-2-methylph...	8.219	198	51907	33.493	ppm	99
94) Diphenylamine	8.267	169	278706	39.229	ppm	99
95) 1,2 Diphenylhydrazine	8.305	77	364816	40.692	ppm	98
96) N-Nitrosodiphenylamine	8.267	169	278706	39.229	ppm	99
101) 4-Bromophenyl-phenylether	8.630	248	87209	41.484	ppm	98
102) Hexachlorobenzene	8.689	284	92599	39.169	ppm	94
104) Atrazine	8.796	215	51049	44.408	ppm	92
105) Pentachlorophenol	8.903	266	43518	54.185	ppm	96
111) Phenanthrene	9.106	178	451910	35.542	ppm	99
112) Anthracene	9.154	178	467969	37.042	ppm	98
113) Carbazole	9.325	167	478799	38.583	ppm	99
114) Di-n-butylphthalate	9.645	149	612167	38.165	ppm	99
116) Fluoranthene	10.318	202	516345	39.667	ppm	99
122) Benzidine	10.484	184	522238	52.082	ppm	98
123) Pyrene	10.585	202	537312	34.240	ppm	98
128) Butyl benzyl phthalate	11.434	149	282419	32.442	ppm	97
131) 3,3'-Dichlorobenzidine	12.310	252	186749	32.854	ppm	97
132) Benzo(a)anthracene	12.332	228	509382	35.104	ppm	99
133) Chrysene	12.401	228	498279	37.327	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.396	149	411532	34.353	ppm	99
136) Di-n-octyl phthalate	13.720	149	680234	34.743	ppm	99
138) Benzo(b)Fluoranthene	14.457	252	475346	34.624	ppm	98
139) Benzo(k)fluoranthene	14.516	252	476917	36.678	ppm	97
140) Benzo(a)pyrene	15.168	252	444474	37.646	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.256	276	437494	37.785	ppm	96
143) Dibenz(a,h)anthracene	17.299	278	387025	31.902	ppm	96
144) Benzo(g,h,i)perylene	17.715	276	460627	46.159	ppm	98

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

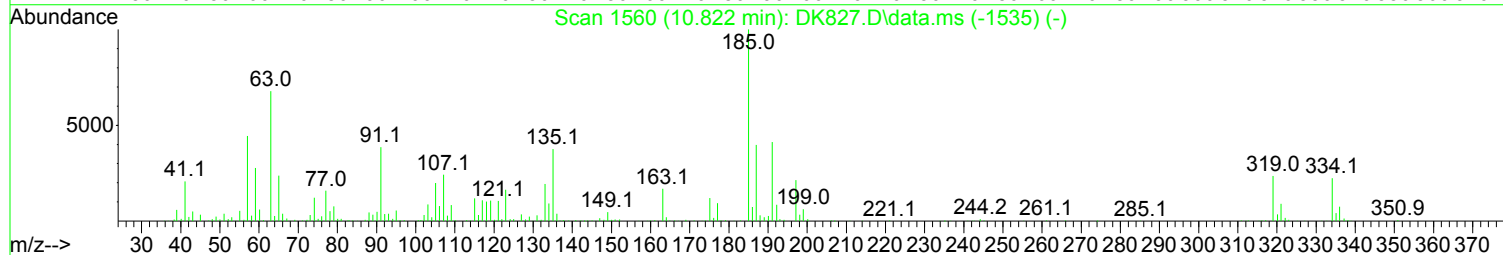
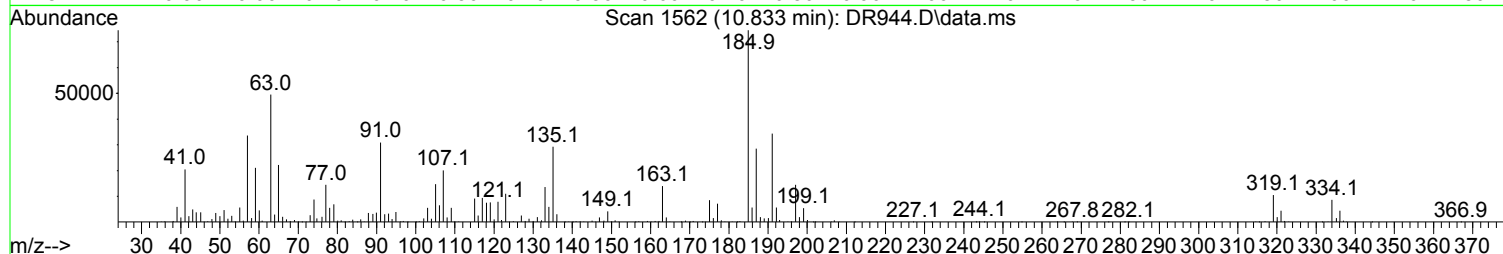
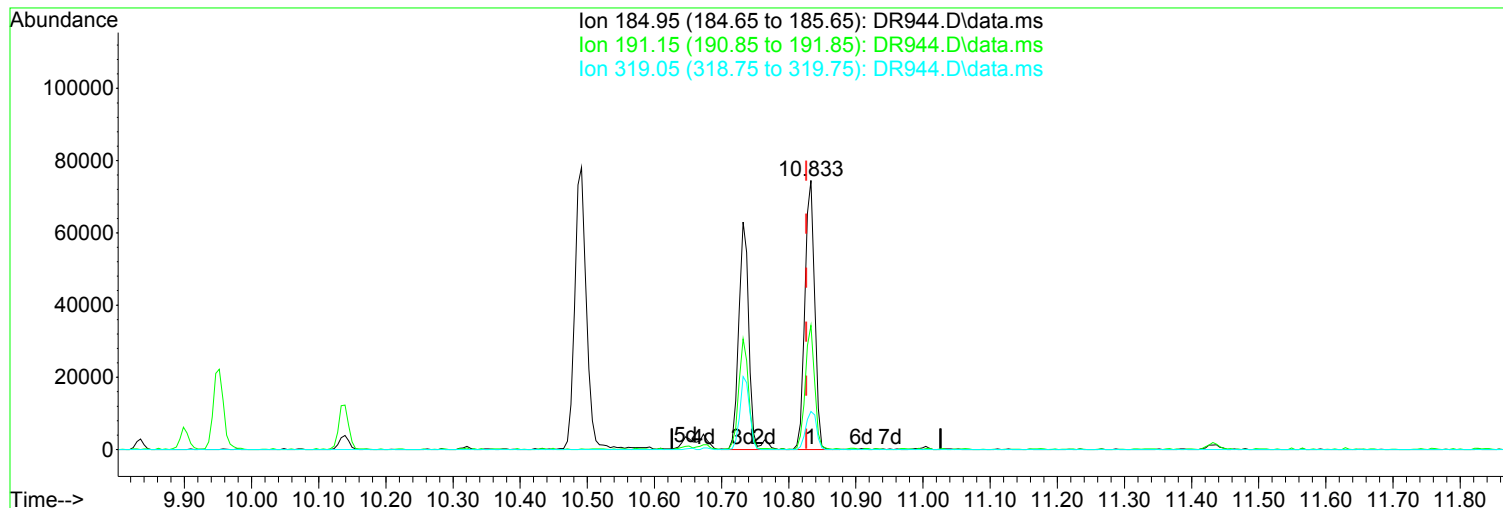
Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS006.D
Acq On : 13 May 2019 10:36 am
Operator : JMisiurewicz
Sample : RQ1904334-03
Misc : 336273/330 8270D/625 LCSD RQ1904365-03
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 14 06:30:33 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR944.D
Acq On : 7 May 2019 11:50 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR944.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (+ 0.007) 77.27 ppm m

After

response 141420

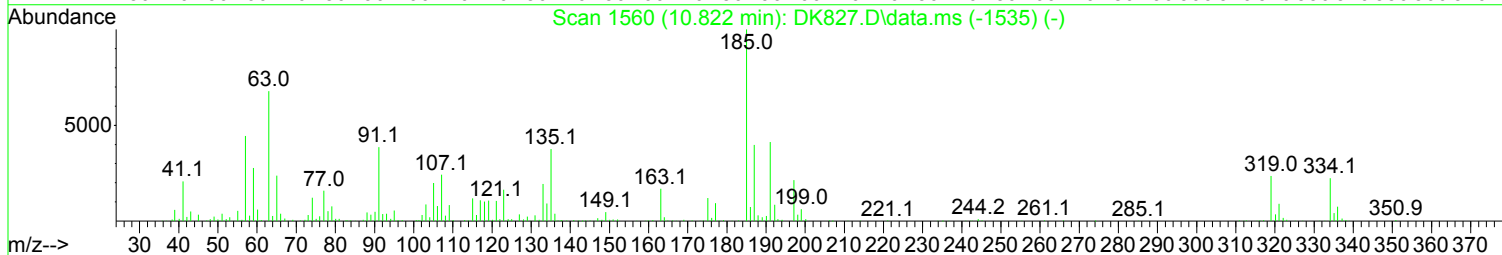
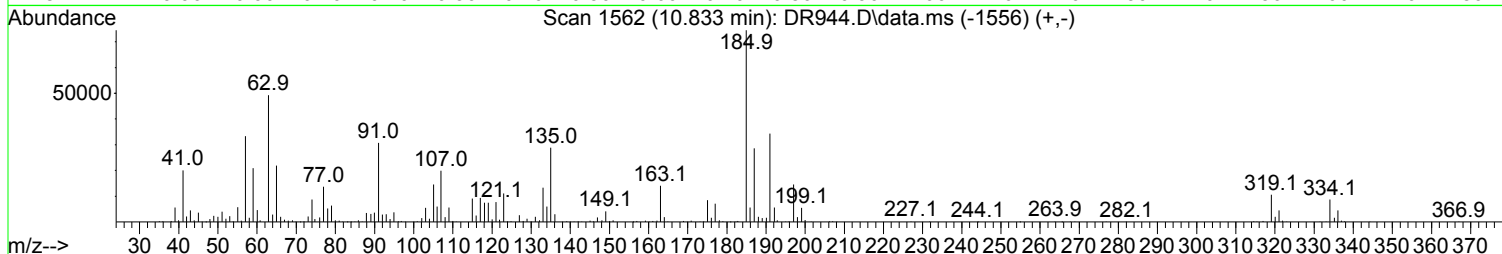
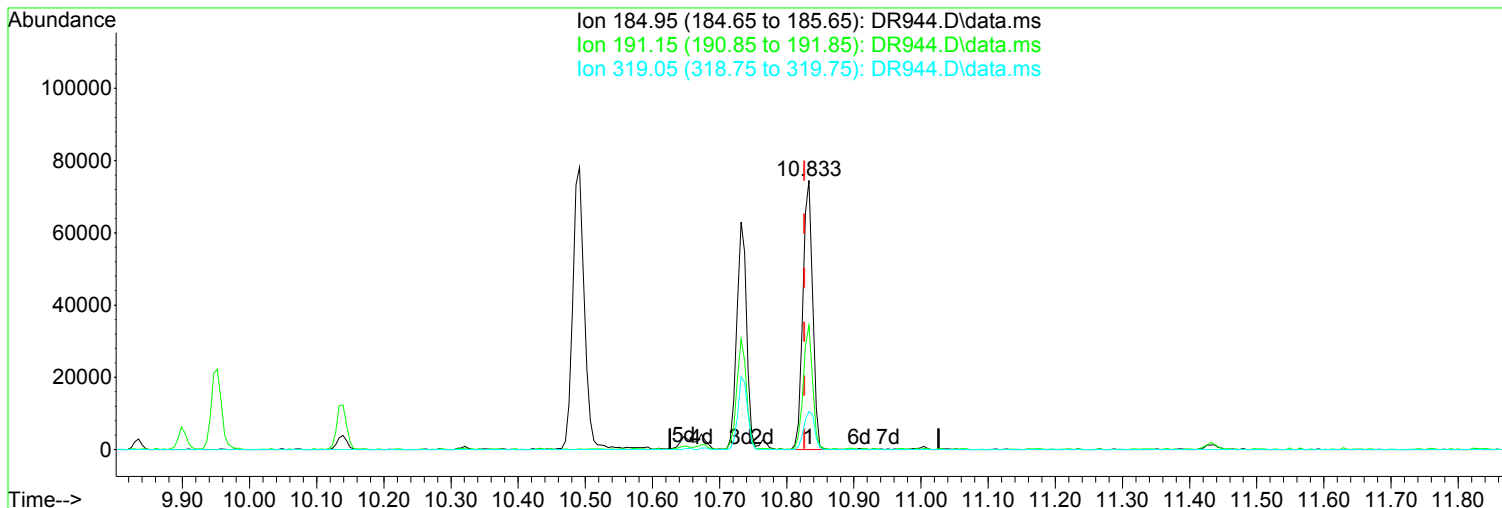
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	46.20
319.05	14.30	14.17
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR944.D
Acq On : 7 May 2019 11:50 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR944.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (+ 0.007) 41.09 ppm

Before

response 75208

Ion Exp% Act%

05/08/19

184.95 100.00 100.00

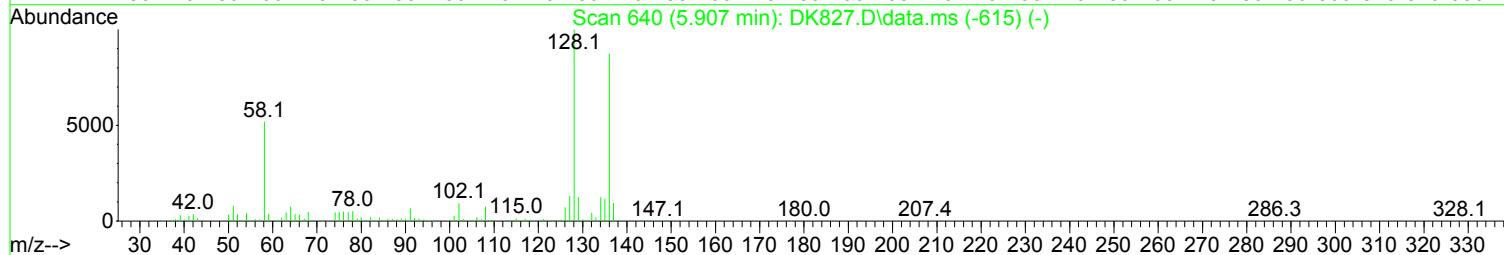
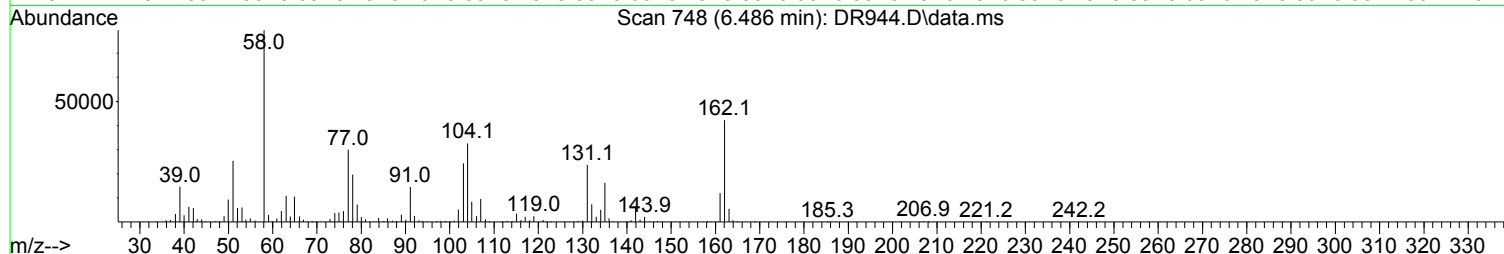
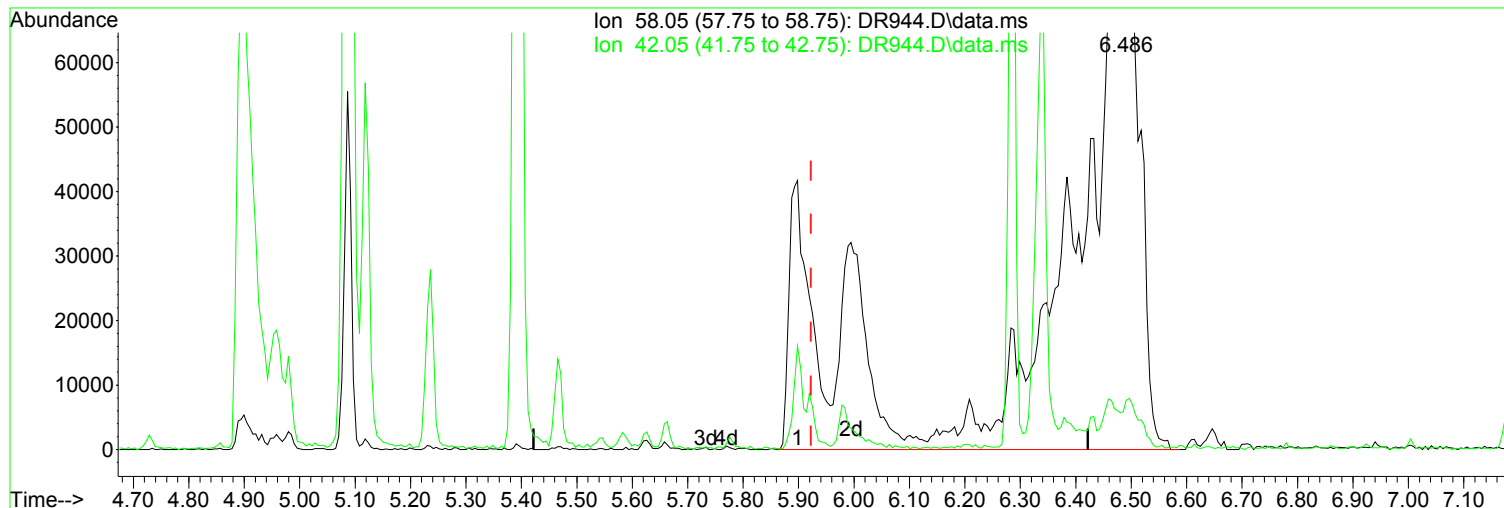
191.15 41.10 45.94

319.05 14.30 14.17

0.00 0.00 0.00

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR944.D
Acq On : 7 May 2019 11:50 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.486min (+ 0.563) 90.94 ppm m

After

response 839644

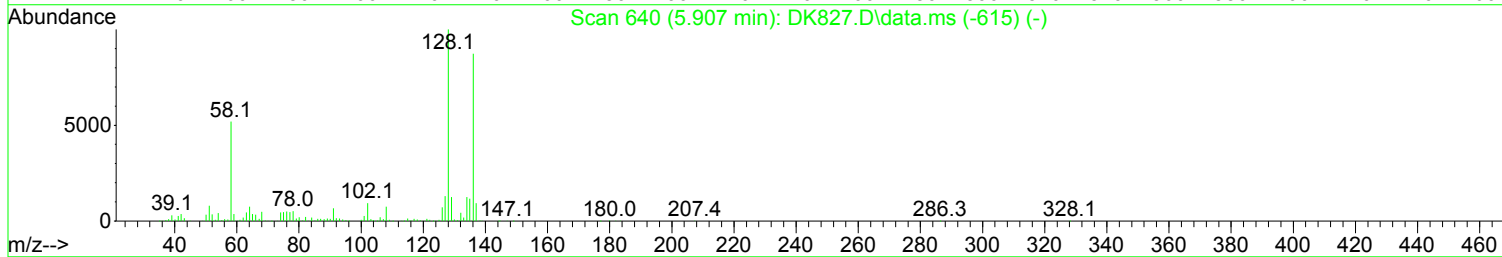
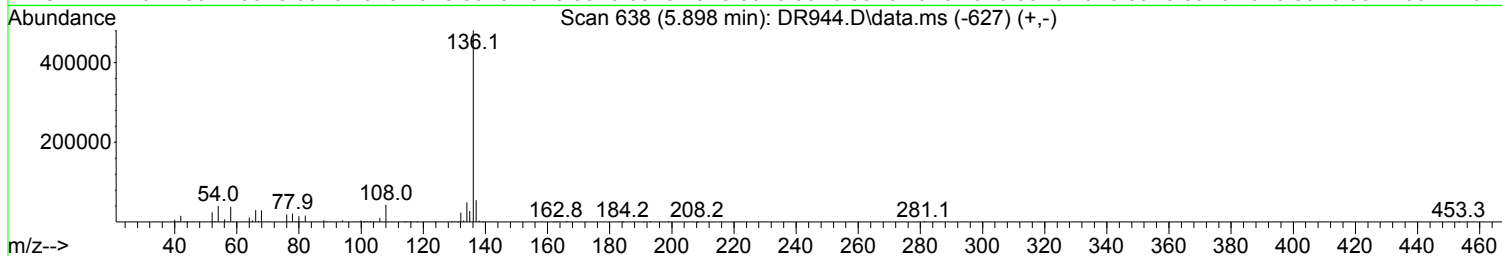
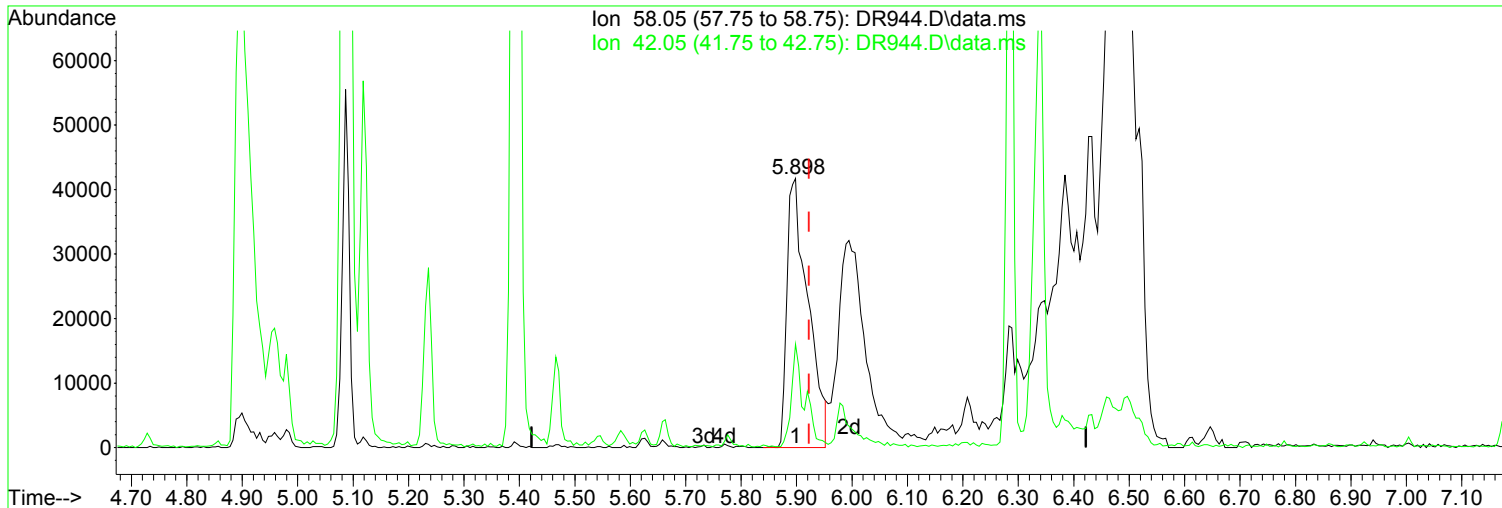
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	7.37
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR944.D
Acq On : 7 May 2019 11:50 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR944.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.898min (-0.024) 11.86 ppm

Before

response 109476

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	40.58
0.00	0.00	0.00
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR944.D
 Acq On : 7 May 2019 11:50 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	120	0.00
2	TM Pyridine	1.563	1.650		-5.6	117	-0.02
3	TM N-Nitrosodimethylamine	0.934	1.002		-7.3	121	0.00
4	TM 2-Picoline	1.589	1.562		1.7	115	-0.01
5	TM N-Nitrosomethylamine	0.643	0.716		-11.4	135	0.00
6	TM Methyl Methansulfonate	0.724	0.747		-3.2	122	0.00
7	S SURR1,2-FLUOROPHENOL	1.455	1.400		3.8	114	0.00
8	TM N-Nitrosodiethylamine	0.709	0.695		2.0	116	0.00
9	TM Ethyl Mathanesulfonate	1.223	1.177		3.8	119	0.00
10	TM Benzaldehyde	1.023	0.756		26.1#	92	0.00
11	TM Aniline	2.281	2.341		-2.6	121	0.00
12	S SURR2, PHENOL-D6	1.787	1.781		0.3	116	0.00
13	TMC Phenol	1.955	1.975		-1.0	119	0.00
14	TM bis(2-Clethyl)Ether	1.353	1.306		3.5	118	0.00
15	TM Pentachloroethane	0.545	0.540		0.9	118	0.00
16	TM 2-Chlorophenol	1.536	1.489		3.1	115	0.00
17	TM 1,3-Diclbzence	1.598	1.561		2.3	117	0.00
18	TMC 1,4-Dichlorobenzene	1.635	1.588		2.9	115	0.00
19	TM 1,2-Diclbzence	1.563	1.476		5.6	114	0.00
20	TM Benzyl Alcohol	1.040	1.154		-11.0	131	0.00
21	T 1-Methyl-2-pyrrolidinone	0.950	0.965		-1.6	118	0.00
22	TM 2,2'-oxybis(1-Chloropropane	1.300	1.421		-9.3	132	0.00
23	TM 2-Methylphenol	1.378	1.340		2.8	119	0.00
24	TM 3+4-Methylphenol	1.559	1.553		0.4	120	0.00
25	TM Acetophenone	1.936	1.898		2.0	121	0.00
26	TMP N-Nitroso-Di-n-propylamine	1.044	1.076		-3.1	130	0.00
27	TM N-Nitrosopyrrolidine	0.759	0.757		0.3	120	0.00
28	TM N-Nitrosomorpholine	0.747	0.803		-7.5	137	0.00
29	TM o-Toluidine	2.150	2.163		-0.6	124	0.00
30	TM Hexachloroethane	0.629	0.620		1.4	120	0.00
31	TM o,o,o-Triethylphosphorothio	0.656	0.657		-0.2	122	0.00
32	TM Alpha-terpinol	0.511	0.496		2.9	119	0.00
33	IR d8-Naphthalene	1.000	1.000		0.0	119	0.00
34	S SURR4,NITROBENZENE-D5	0.406	0.418		-3.0	123	0.00
35	TM Nitrobenzene	0.408	0.422		-3.4	125	0.00
36	TM N-Nitrosopiperidine	0.222	0.247		-11.3	134	0.00
37	TM Isophorone	0.680	0.719		-5.7	125	0.00
38	TCM 2-Nitrophenol	0.211	0.216		-2.4	117	0.00
39	TM 2,4-Dimethylphenol	0.380	0.410		-7.9	124	0.00
40	TM bis(-2-Chloroethoxy)Methane	0.400	0.419		-4.7	123	0.00
41	TM Benzoic Acid	0.144	0.217		-26.4	50.7# 157	0.00
42	TCM 2,4-Dichlorophenol	0.301	0.314		-4.3	118	0.00
43	TM a,a-Dimethylphenethylamine	0.759	0.862		-13.6	127	0.56#
44	TM 1,2,4-Trichlorobenzene	0.317	0.329		-3.8	121	0.00
45	TM Naphthalene	1.102	1.083		1.7	117	0.00
46	TM 4-Chloroaniline	0.461	0.457		0.9	115	0.00
47	TM 2,6-Dichlorophenol	0.315	0.318		-1.0	119	0.00
48	TCM Hexachlorobutadiene	0.161	0.172		-6.8	128	0.00
49	TM Hexachloropropene	0.201	0.213		-6.0	123	0.00
50	TMC 4-Chloro-3-methylphenol	0.300	0.307		-2.3	118	0.00
51	TM N-N-di-n-butylamine	0.238	0.245		-2.9	123	0.00

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR944.D
 Acq On : 7 May 2019 11:50 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.111	6.7	116	0.02
53	TM	p-Phenylenediamine	0.077	0.073	5.2	104	0.00
54	TM	Safrole	0.283	0.286	-1.1	118	0.00
55	TM	2-Methylnaphthalene	0.713	0.704	1.3	116	0.00
56	TM	1-Methylnaphthalene	0.668	0.649	2.8	117	0.00
57	IR	d10-Acenaphthene	1.000	1.000	0.0	120	0.00
58	TPM	Hexachlorocyclopentadiene	0.240	0.294	-5.6	123	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.602	-2.2	124	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.622	-0.3	122	0.00
61	TCM	2,4,6-Trichlorophenol	0.373	0.387	-3.8	122	0.00
62	TM	2,4,5-Trichlorophenol	0.401	0.398	0.7	116	0.00
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.464	3.7	118	0.00
64	TM	Isosafrole	0.257	0.259	-0.8	125	0.00
65	TM	1,1'-Biphenyl	1.772	1.705	3.8	117	0.00
66	TM	2-Chloronaphthalene	1.281	1.215	5.2	116	0.00
67	TM	2-Nitroaniline	0.366	0.374	-2.2	130	0.00
68	TM	1,4-Naphthoquinone	0.402	0.401	0.2	114	0.00
69	TM	m-Dinitrobenzene	0.252	0.260	-3.2	126	0.00
70	TM	Acenaphthylene	2.051	2.003	2.3	120	0.00
71	TM	Dimethyl phthalate	1.497	1.361	9.1	117	0.00
72	TM	2,6-Dinitrotoluene	0.340	0.329	3.2	122	0.00
73	TMC	Acenaphthene	1.427	1.394	2.3	119	0.00
74	TM	3-Nitroaniline	0.391	0.379	3.1	117	0.00
75	TPM	2,4-Dinitrophenol	0.117	0.168	-20.3	151	0.00
76	TM	Dibenzofuran	1.762	1.736	1.5	119	0.00
77	TM	2,4-Dinitrotoluene	0.449	0.455	-1.3	121	0.00
78	TMP	4-Nitrophenol	0.256	0.302	-18.0	135	0.00
79	TM	Pentachlorobenzene	0.472	0.489	-3.6	126	0.00
80	TM	1-Naphthylamine	0.928	0.873	5.9	118	0.00
81	TM	2-Naphthylamine	1.182	1.116	5.6	118	0.00
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.299	-11.2	126	0.00
83	TM	Fluorene	1.449	1.389	4.1	121	0.00
84	TM	4-Chlorophenyl-phenylether	0.585	0.594	-1.5	125	0.00
85	TM	Diethylphthalate	1.483	1.465	1.2	122	0.00
86	TM	4-Nitroaniline	0.385	0.379	1.6	113	0.00
87	TM	5-Nitro-o-toluidine	0.438	0.427	2.5	116	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.177	-7.9	132	0.00
89	TM	Sulfotepp	0.185	0.194	-4.9	130	0.00
90	TM	Octachlorocyclopentene	0.188	0.207	-10.1	128	0.00
91	IR	d10-Phenanthrene	1.000	1.000	0.0	123	0.00
92	TM	Thionazin	0.157	0.144	8.3	119	0.00
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.164	-6.5	128	0.00
94	TM	Diphenylamine	0.707	0.668	5.5	120	0.00
95	TM	1,2 Diphenylhydrazine	0.892	0.880	1.3	130	0.00
96	TCM	N-Nitrosodiphenylamine	0.707	0.668	5.5	120	0.00
97	TM	1,3,5-Trinitrobenzene	0.128	0.135	-5.5	128	0.00
98	TM	Diallate	0.368	0.334	9.2	123	0.00
99	TM	Phorate	0.185	0.166	10.3	116	0.00
100	TM	Phenacetin	0.466	0.460	1.3	121	0.00
101	TM	4-Bromophenyl-phenylether	0.209	0.198	5.3	122	0.00

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR944.D
 Acq On : 7 May 2019 11:50 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.235	0.229		2.6	128	0.00
103	TM Dimethoate	0.306	0.296		3.3	124	0.00
104	TM Atrazine	0.114	0.102		10.5	112	0.00
105	TCM Pentachlorophenol	0.077	0.117	-27.2	51.9 #	161	0.00
106	TM 4-Aminobiphenyl	0.718	0.692		3.6	117	0.00
107	TM Pentachloronitrobenzene	0.087	0.095		-9.2	132	0.00
108	TM Pronamide	0.409	0.417		-2.0	120	0.00
109	TM Dinoseb	0.203	0.225		-10.8	131	0.00
110	TM Disulfoton	0.439	0.413		5.9	121	0.00
111	TM Phenanthrene	1.265	1.199		5.2	120	0.00
112	TM Anthracene	1.257	1.215		3.3	121	0.00
113	TM Carbazole	1.235	1.196		3.2	118	0.00
114	TM Di-n-butylphthalate	1.596	1.586		0.6	123	0.00
115	TM 4-Nitroquinoline-1-oxide	0.075	0.069		8.0	109	0.00
116	TCM Fluoranthene	1.295	1.304		-0.7	122	0.00
117	IR d12-Chrysene	1.000	1.000		0.0	128	0.00
118	TM Methyl Parathion	0.317	0.307		3.2	122	0.00
119	TM Ethyl Parathion	0.237	0.232		2.1	125	0.00
120	TM Methapyrilene	0.345	0.311		9.9	115	0.00
121	TM Isodrin	0.146	0.137		6.2	120	0.00
122	TM Benzidine	0.939	0.899		4.3	116	0.00
123	TM Pyrene	1.469	1.468		0.1	122	0.00
124	S SURR6, TERPHENYL-D14	0.942	0.947		-0.5	126	0.00
125	TM Aramite	0.201	0.194		3.5	121	0.00
126	TM p-(Dimethylamino)azobenzene	0.436	0.456		-4.6	124	0.00
127	TM Chlorobenzilate	0.510	0.517		-1.4	124	0.00
128	TM Butyl benzyl phthalate	0.815	0.794		2.6	123	0.00
129	TM 3,3-Dimethylbenzidine	0.893	0.848		5.0	116	0.00
130	TM 2-Acetylaminofluorene	0.651	0.618		5.1	116	0.00
131	TM 3,3'-Dichlorobenzidine	0.532	0.515		3.2	122	0.00
132	TM Benzo(a)anthracene	1.358	1.316		3.1	124	0.00
133	TM Chrysene	1.250	1.208		3.4	123	0.00
134	TM bis(2-Ethylhexyl)phthalate	1.121	1.058		5.6	119	0.00
135	IR d12-Perylene	1.000	1.000		0.0	123	-0.01
136	TCM Di-n-octyl phthalate	1.898	1.860		2.0	120	0.00
137	TM 7,12-Dimethylbenz(a)anthrac	0.605	0.616		-1.8	122	0.00
138	TM Benzo(b)Fluoranthene	1.331	1.347		-1.2	123	0.00
139	TM Benzo(k)fluoranthene	1.261	1.279		-1.4	122	0.00
140	TCM Benzo(a)pyrene	1.145	1.177		-2.8	124	0.00
141	TM 3-Methylcholanthrene	0.670	0.666		0.6	120	0.00
142	TM Indeno(1,2,3-cd)Pyrene	1.123	1.104		1.7	122	0.00
143	TM Dibenz(a,h)anthracene	1.176	1.167		0.8	121	0.00
144	TM Benzo(g,h,i)perylene	0.968	0.945		2.4	120	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

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 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.728	152	133406	40.00	ppm	0.00
33) d8-Naphthalene	5.904	136	486906	40.00	ppm	0.00
57) d10-Acenaphthene	7.607	164	245564	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	391759	40.00	ppm	0.00
117) d12-Chrysene	12.350	240	363613	40.00	ppm	0.00
135) d12-Perylene	15.282	264	350060	40.00	ppm	-0.01

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.655	112	373404	76.95	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	76.95%#
12) SURR2,PHENOL-D6	4.419	99	475148	79.70	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	79.70%
34) SURR4,NITROBENZENE-D5	5.236	82	406746	82.32	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	164.64%#
63) SURR5,2-FLUOROBIPHENYL	6.940	172	718938	76.99	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	153.98%#
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	86745	86.27	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	86.27%
124) SURR6,TERPHENYL-D14	10.764	244	688404	80.37	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	160.74%

Target Compounds						Qvalue
2) Pyridine	2.608	79	440112	84.452	ppm	92
3) N-Nitrosodimethylamine	2.581	74	267223	85.802	ppm	94
4) 2-Picoline	3.190	93	416806	78.665	ppm	95
5) N-Nitrosomethylamine	3.276	42	190967	89.099	ppm	86
6) Methyl Methansulfonate	3.521	80	199413	82.618	ppm	94
8) N-Nitrosodiethylamine	3.831	102	185489	78.396	ppm	98
9) Ethyl Mathanesulfonate	4.077	79	314042	76.996	ppm	98
10) Benzaldehyde	4.360	106	201688	59.102	ppm	90
11) Aniline	4.451	93	624543	82.088	ppm	93
13) Phenol	4.429	94	526837	80.806	ppm	96
14) bis(2-Clethyl)Ether	4.493	93	348531	77.260	ppm	96
15) Pentachloroethane	4.488	117	144034	79.300	ppm	98
16) 2-Chlorophenol	4.558	128	397242	77.566	ppm	100
17) 1,3-Diclbzene	4.680	146	416488	78.142	ppm	100
18) 1,4-Dichlorobenzene	4.745	146	423713	77.684	ppm	98
19) 1,2-Diclbzene	4.878	146	393831	75.570	ppm	94
20) Benzyl Alcohol	4.857	79	307917	88.775	ppm	96
21) 1-Methyl-2-pyrrolidinone	4.894	99	257425	81.205	ppm	90
22) 2,2'-oxybis(1-Chloropr...	4.958	45	379032	87.442	ppm	# 82
23) 2-Methylphenol	4.969	108	357643	77.828	ppm	96
24) 3+4-Methylphenol	5.102	108	414452	79.709	ppm	97
25) Acetophenone	5.092	105	506344	78.406	ppm	98
26) N-Nitroso-Di-n-propyla...	5.086	70	287132	82.439	ppm	99
27) N-Nitrosopyrrolidine	5.092	100	201920	79.725	ppm	96
28) N-Nitrosomorpholine	5.118	56	214264	85.946	ppm	89
29) o-Toluidine	5.124	106	577219	80.488	ppm	97
30) Hexachloroethane	5.182	117	165444	78.806	ppm	93
31) o,o,o-Triethylphosphor...	5.626	198	175333	80.189	ppm	91
32) Alpha-terpinol	5.920	121	132256	77.610	ppm	94
35) Nitrobenzene	5.252	77	411332	82.885	ppm	95
36) N-Nitrosopiperidine	5.396	42	240641	89.213	ppm	99
37) Isophorone	5.466	82	700168	84.645	ppm	96
38) 2-Nitrophenol	5.546	139	209943	81.767	ppm	94

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 Operator : JMisiurewicz
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 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 12:11:03 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.583	107	399003	86.296	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.663	93	408466	83.986	ppm	99
41) Benzoic Acid	5.695	105	211631	101.114	ppm	94
42) 2,4-Dichlorophenol	5.781	162	305366	83.380	ppm	96
43) a,a-Dimethylphenethyla...	6.486	58	839644m	90.937	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	319975	82.863	ppm	98
45) Naphthalene	5.920	128	1054812	78.602	ppm	99
46) 4-Chloroaniline	5.978	127	444800	79.212	ppm	99
47) 2,6-Dichlorophenol	5.984	162	309190	80.733	ppm	86
48) Hexachlorobutadiene	6.021	225	167217	85.466	ppm	96
49) Hexachloropropene	5.994	213	207451	84.860	ppm	96
50) 4-Chloro-3-methylphenol	6.459	107	298592	81.632	ppm	94
51) N-N-di-n-butylamine	6.288	84	238750	82.310	ppm	98
52) Caprolactam	6.341	113	108501	74.742	ppm	96
53) p-Phenylenediamine	6.336	80	70913	75.744	ppm	85
54) Safrole	6.496	162	278062	80.723	ppm	98
55) 2-Methylnaphthalene	6.587	142	685623	78.945	ppm	97
56) 1-Methylnaphthalene	6.683	142	632363	77.827	ppm	99
58) Hexachlorocyclopentadiene	6.726	237	144433	84.473	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.747	216	295781	81.839	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.025	216	305439	80.258	ppm	97
61) 2,4,6-Trichlorophenol	6.870	196	190077	83.033	ppm	99
62) 2,4,5-Trichlorophenol	6.924	196	195397	79.361	ppm	97
64) Isosafrole	7.004	104	127211	80.549	ppm	# 79
65) 1,1'-Biphenyl	7.041	154	837437	76.982	ppm	100
66) 2-Chloronaphthalene	7.068	162	596536	75.870	ppm	99
67) 2-Nitroaniline	7.180	65	183766	81.764	ppm	93
68) 1,4-Naphthoquinone	7.249	158	197154	79.873	ppm	85
69) m-Dinitrobenzene	7.399	168	127613	82.610	ppm	98
70) Acenaphthylene	7.474	152	983769	78.116	ppm	98
71) Dimethyl phthalate	7.340	163	668195	72.688	ppm	99
72) 2,6-Dinitrotoluene	7.415	165	161494	77.382	ppm	92
73) Acenaphthene	7.639	153	684435	78.125	ppm	100
74) 3-Nitroaniline	7.591	138	186027	77.539	ppm	100
75) 2,4-Dinitrophenol	7.698	184	82317	96.260	ppm	96
76) Dibenzofuran	7.810	168	852840	78.834	ppm	96
77) 2,4-Dinitrotoluene	7.816	165	223279	81.008	ppm	96
78) 4-Nitrophenol	7.810	65	148539	94.369	ppm	# 1
79) Pentachlorobenzene	7.768	250	239962	82.847	ppm	98
80) 1-Naphthylamine	7.901	143	428630	75.236	ppm	100
81) 2-Naphthylamine	7.981	143	548076	75.553	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.944	232	147064	89.030	ppm	92
83) Fluorene	8.152	166	682042	76.679	ppm	99
84) 4-Chlorophenyl-phenyle...	8.147	204	291912	81.348	ppm	93
85) Diethylphthalate	8.035	149	719451	79.027	ppm	99
86) 4-Nitroaniline	8.206	138	186302	78.727	ppm	94
87) 5-Nitro-o-toluidine	8.184	152	209592	78.011	ppm	95
89) Sulfotepp	8.414	322	95477	84.029	ppm	88
90) Octachlorocyclopentene	8.392	307	101456	87.714	ppm	98
92) Thionazin	8.115	107	113195	73.648	ppm	98
93) 4,6-Dinitro-2-methylph...	8.222	198	128706	85.229	ppm	93
94) Diphenylamine	8.270	169	1046017	151.099	ppm	99
95) 1,2 Diphenylhydrazine	8.307	77	689372	78.913	ppm	97
96) N-Nitrosodiphenylamine	8.270	169	1046017	151.099	ppm	99
97) 1,3,5-Trinitrobenzene	8.601	74	105483	84.423	ppm	94
98) Diallate	8.542	86	261544	72.611	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\050719\
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Acq On : 7 May 2019 11:50 am
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ALS Vial : 3 Sample Multiplier: 1

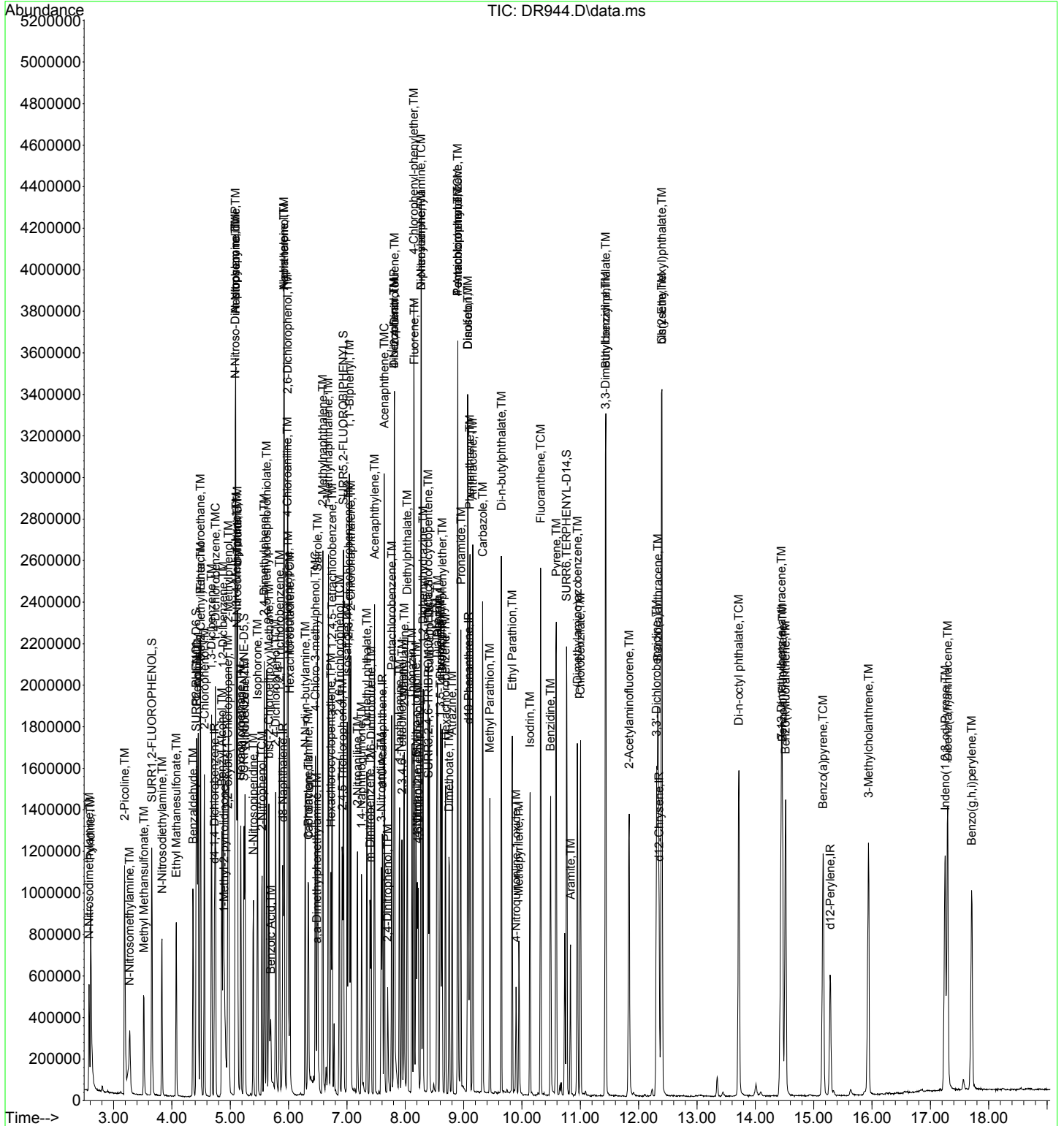
Quant Time: May 07 12:11:03 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.553	121	130313	71.912	ppm	90
100) Phenacetin	8.606	108	360545	78.996	ppm	98
101) 4-Bromophenyl-phenylether	8.633	248	155499	75.911	ppm	97
102) Hexachlorobenzene	8.692	284	179297	77.833	ppm	94
103) Dimethoate	8.750	87	231904	77.474	ppm	96
104) Atrazine	8.804	215	79962	71.386	ppm	95
105) Pentachlorophenol	8.900	266	91331	101.738	ppm	94
106) 4-Aminobiphenyl	8.900	169	541823	77.026	ppm	99
107) Pentachloronitrobenzene	8.900	237	74725	87.806	ppm	93
108) Pronamide	8.953	173	326855	81.603	ppm	98
109) Dinoseb	9.071	211	176433	88.767	ppm	93
110) Disulfoton	9.071	88	323881	75.378	ppm	94
111) Phenanthrene	9.108	178	939281	75.814	ppm	99
112) Anthracene	9.156	178	952168	77.349	ppm	96
113) Carbazole	9.327	167	936860	77.478	ppm	98
114) Di-n-butylphthalate	9.648	149	1242695	79.510	ppm	99
115) 4-Nitroquinonline-1-oxide	9.899	190	54108	73.835	ppm	91
116) Fluoranthene	10.321	202	1021931	80.570	ppm	98
118) Methyl Parathion	9.450	109	223570	77.555	ppm	93
119) Ethyl Parathion	9.835	97	168894	78.418	ppm	100
120) Methapyrilene	9.947	58	225946	72.114	ppm	96
121) Isodrin	10.139	193	99839	75.097	ppm	94
122) Benzidine	10.492	184	654133	76.669	ppm	99
123) Pyrene	10.588	202	1067435	79.944	ppm	99
125) Aramite	10.833	185	141420m	77.269	ppm	
126) p-(Dimethylamino)azobe...	10.951	120	331356	83.535	ppm	97
127) Chlorobenzilate	11.004	139	375685	81.071	ppm	97
128) Butyl benzyl phthalate	11.437	149	577269	77.933	ppm	96
129) 3,3-Dimethylbenzidine	11.432	212	616830	75.950	ppm	98
130) 2-Acetylaminofluorene	11.837	181	449099	75.918	ppm	96
131) 3,3'-Dichlorobenzidine	12.307	252	374816	77.497	ppm	96
132) Benzo(a)anthracene	12.329	228	956894	77.502	ppm	99
133) Chrysene	12.398	228	878327	77.328	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.398	149	769490	75.491	ppm	98
136) Di-n-octyl phthalate	13.717	149	1302275	78.388	ppm	97
137) 7,12-Dimethylbenz(a)an...	14.444	256	431342	81.509	ppm	99
138) Benzo(b)Fluoranthene	14.465	252	942822	80.934	ppm	96
139) Benzo(k)fluoranthene	14.519	252	895721	81.184	ppm	100
140) Benzo(a)pyrene	15.160	252	823994	82.249	ppm	98
141) 3-Methylcholanthrene	15.939	268	466488	79.505	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.253	276	773085	78.688	ppm	94
143) Dibenz(a,h)anthracene	17.296	278	816975	79.364	ppm	96
144) Benzo(g,h,i)perylene	17.707	276	661508	78.122	ppm	96

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

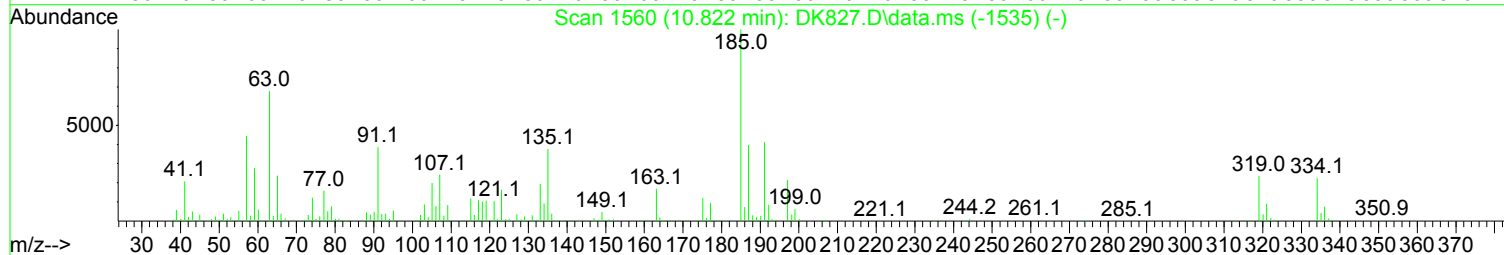
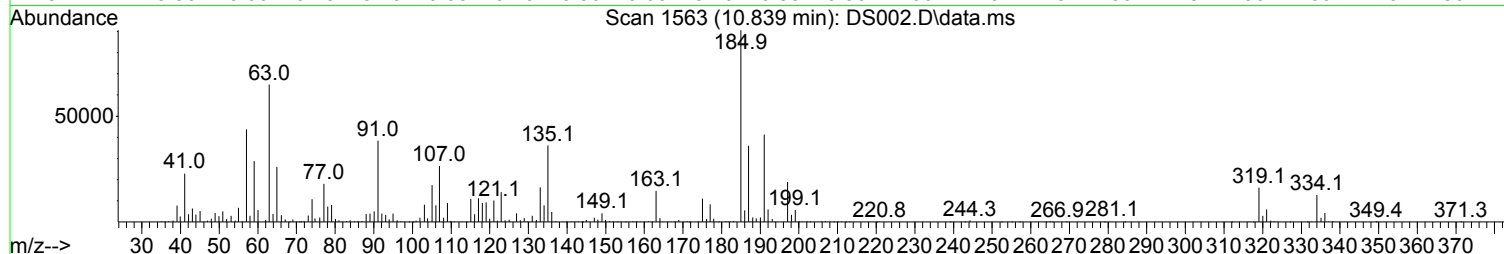
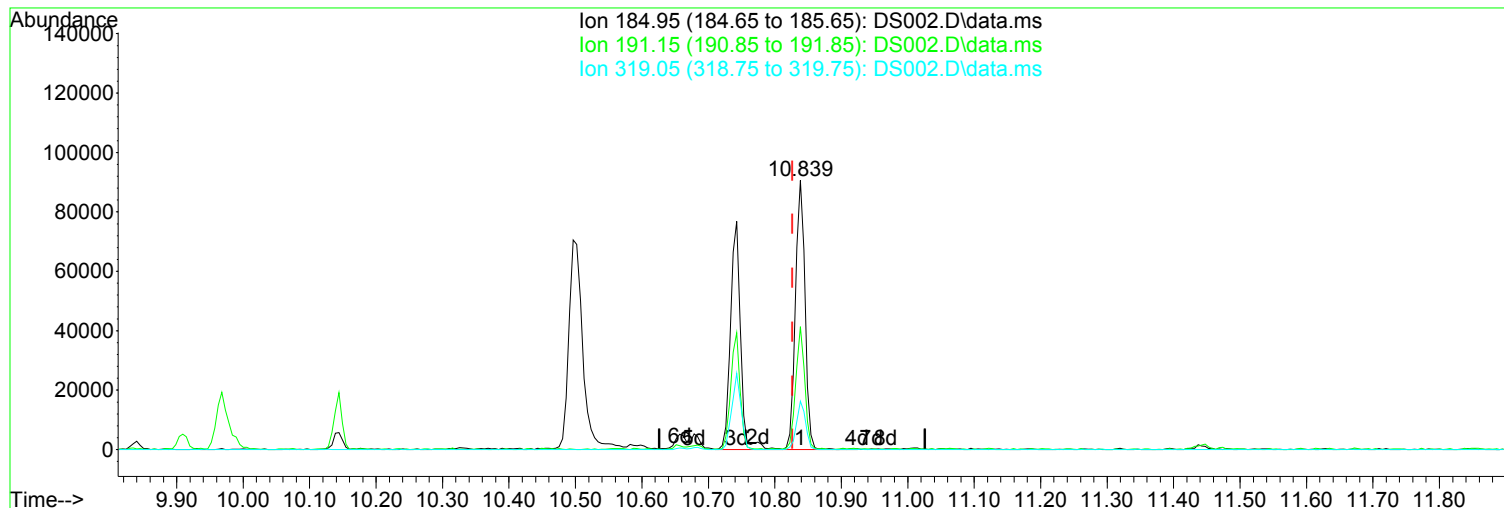
Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR944.D
Acq On : 7 May 2019 11:50 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
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Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 79.64 ppm m

After

response 171604

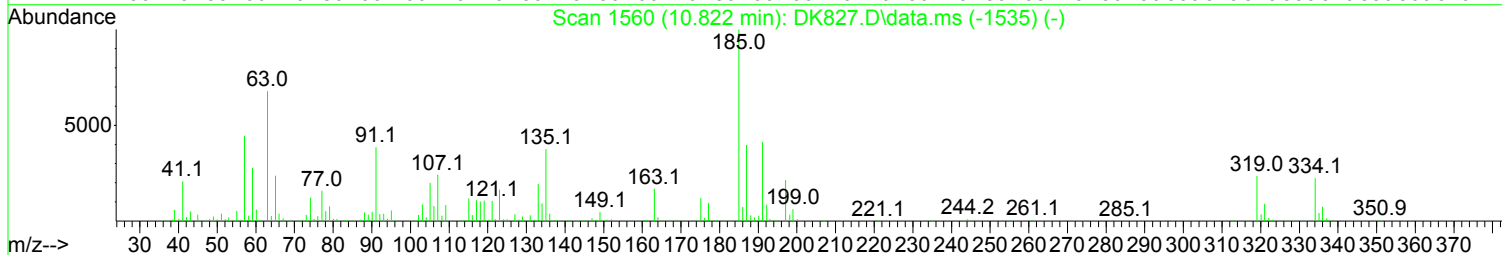
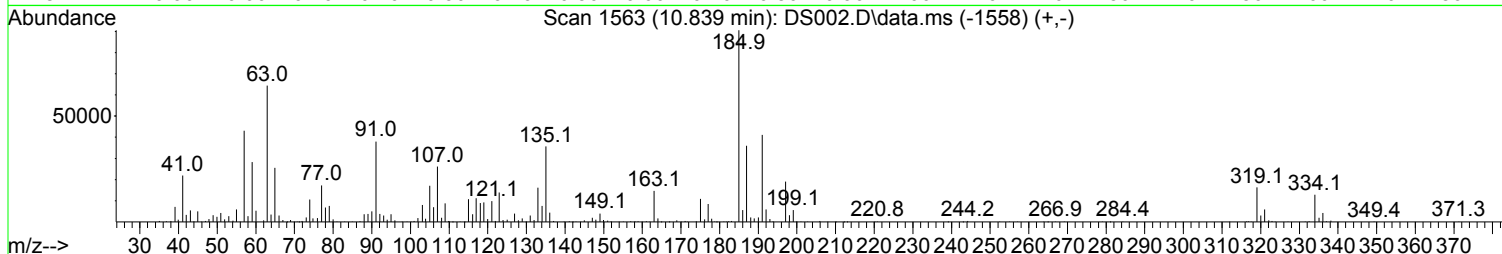
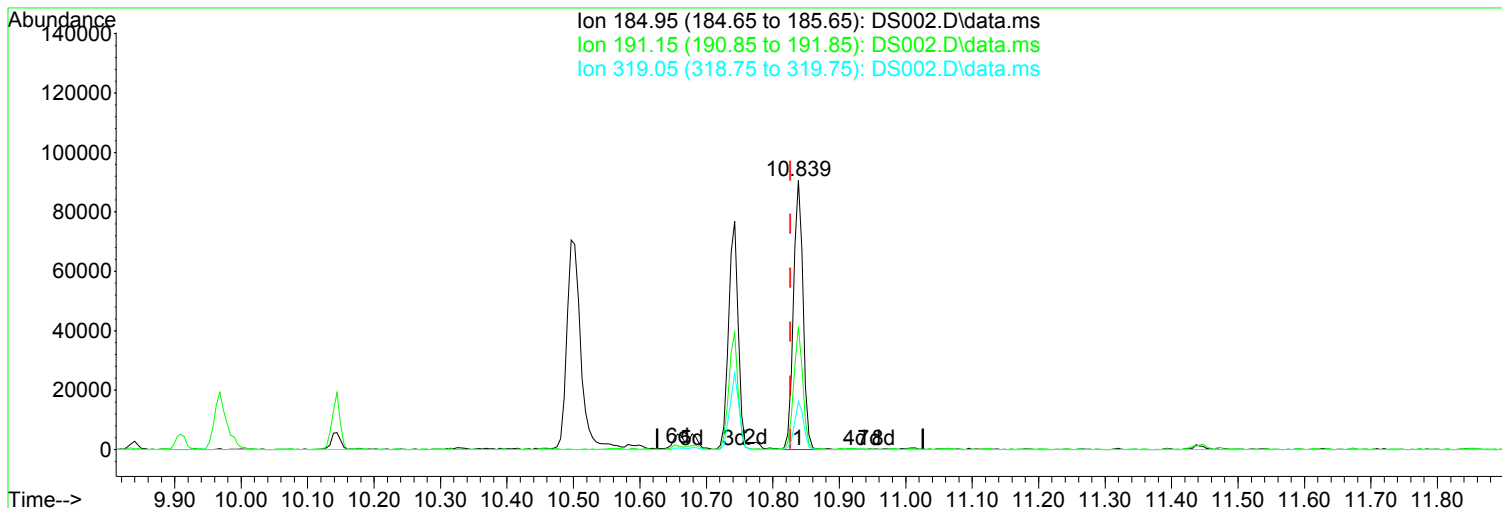
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.72
319.05	14.30	17.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.012) 42.49 ppm

Before

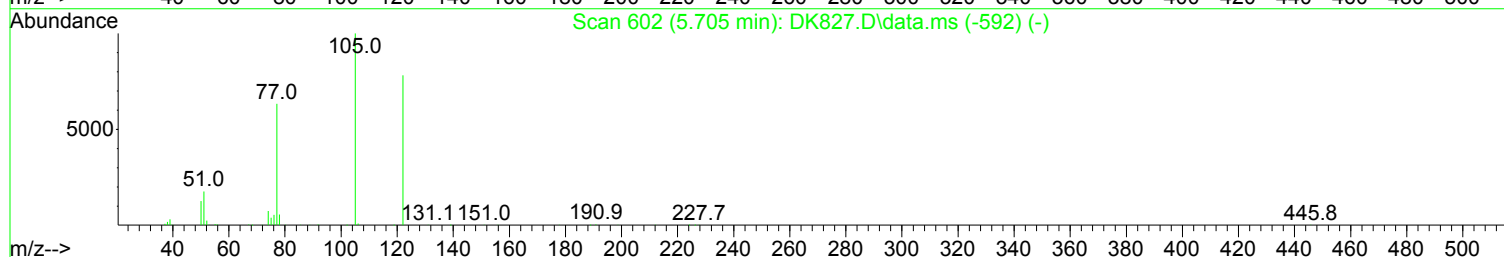
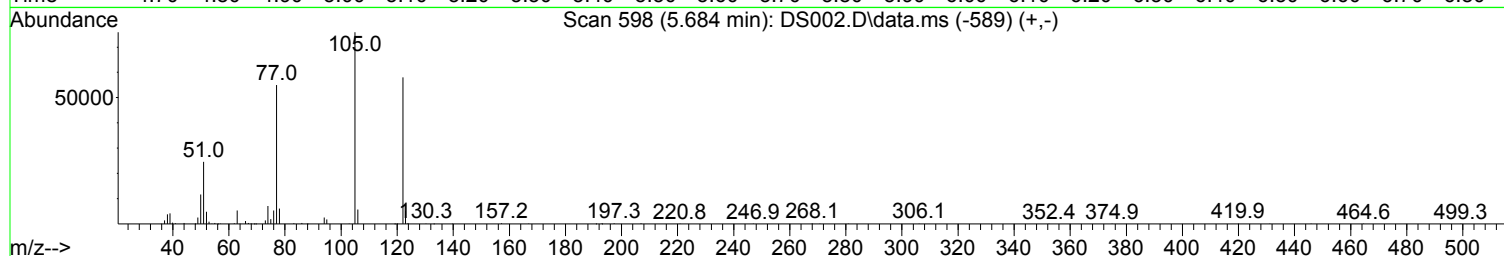
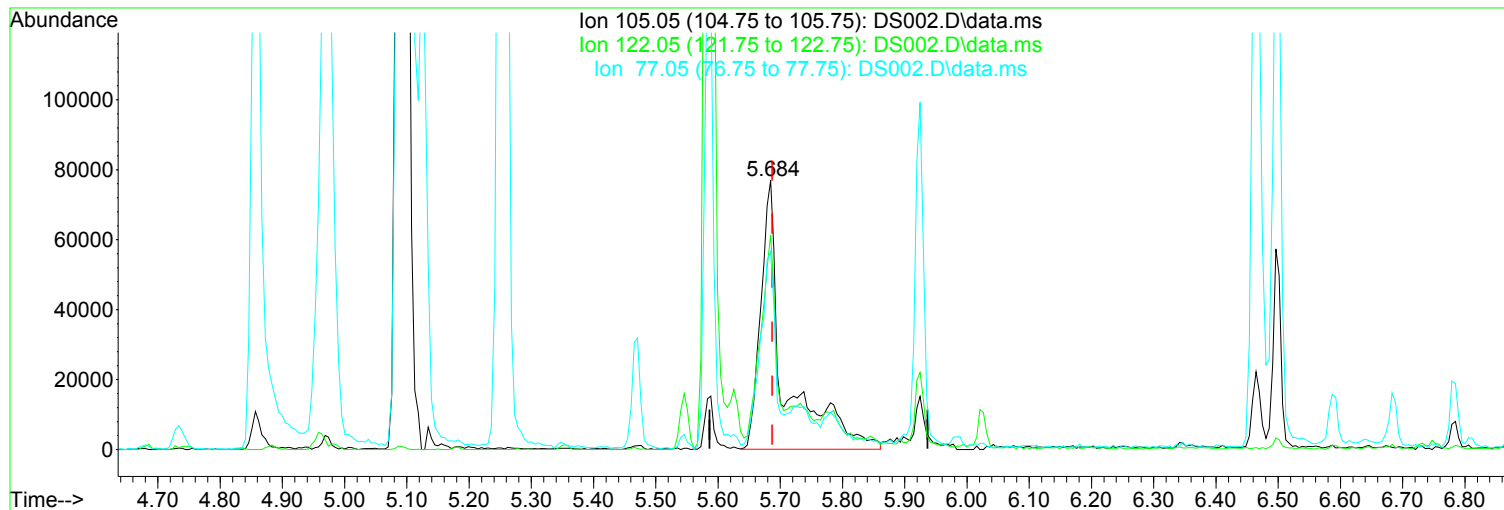
response 91545

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	45.49
319.05	14.30	17.97
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 80.29 ppm m

After

response 207876

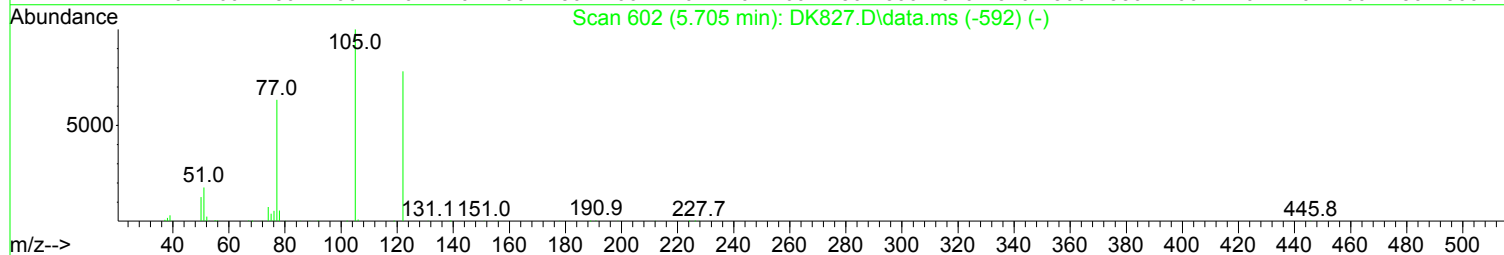
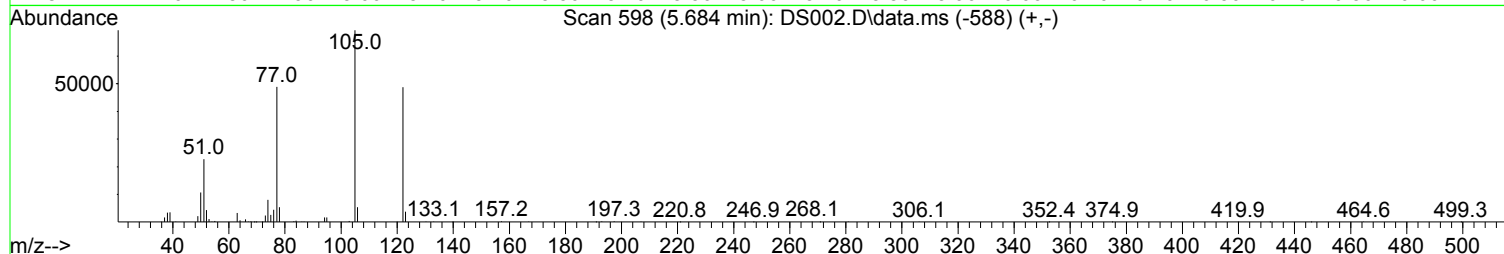
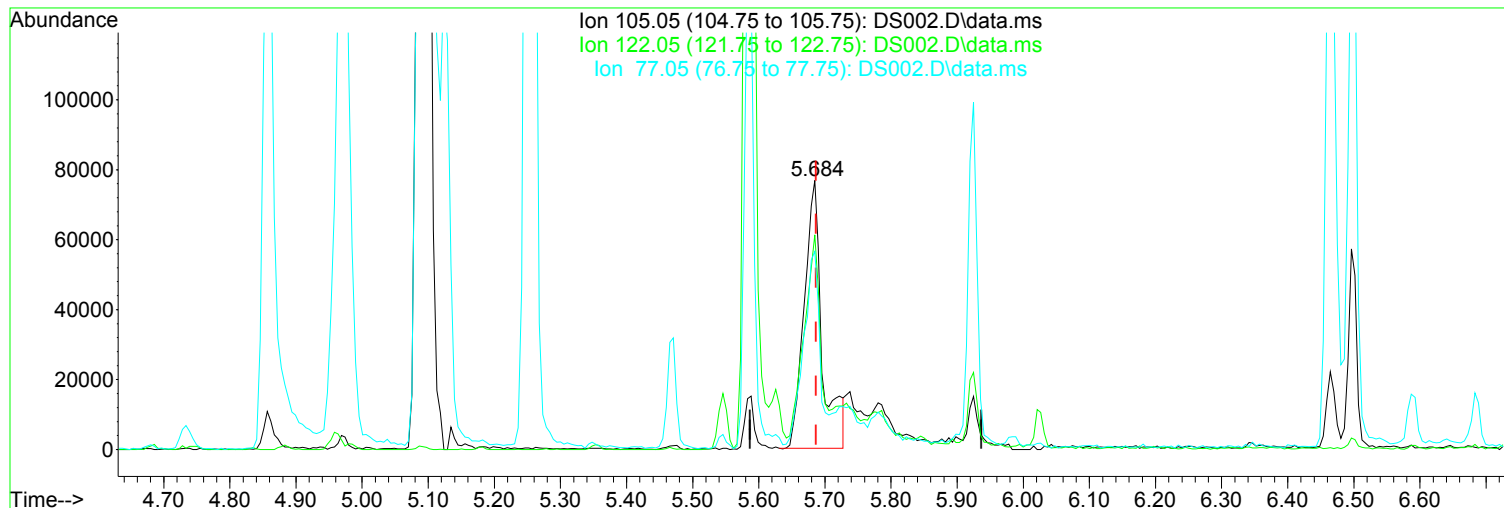
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	79.77
77.05	69.60	73.63
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.684min (-0.003) 60.27 ppm

Before

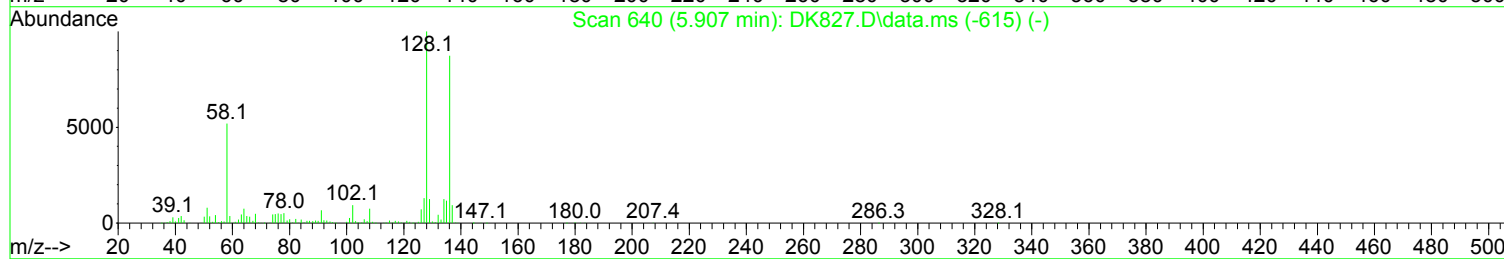
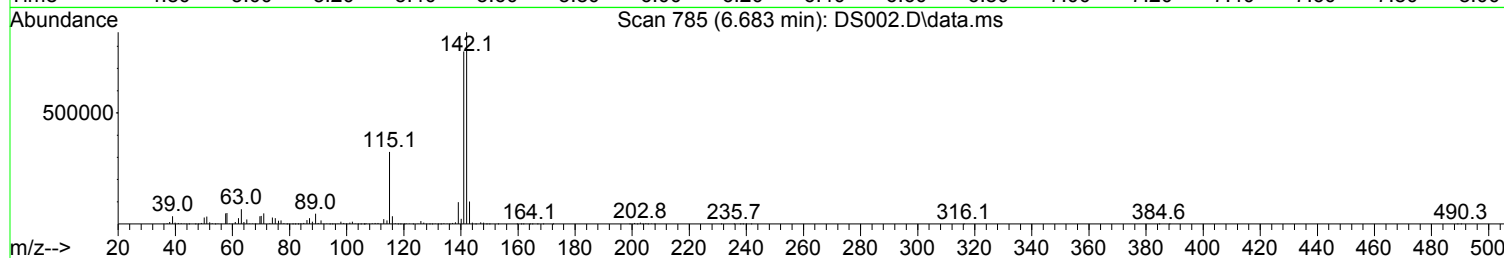
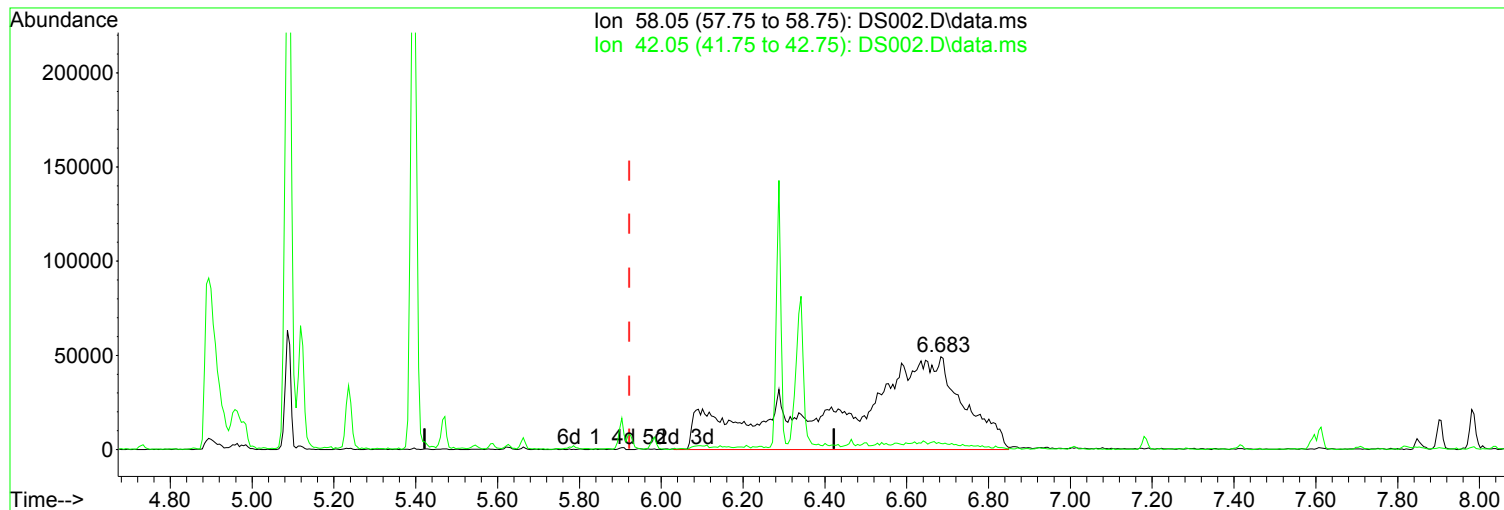
response 143753

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	70.31
77.05	69.60	70.39
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.683min (+ 0.761) 88.61 ppm m

After

response 1055879

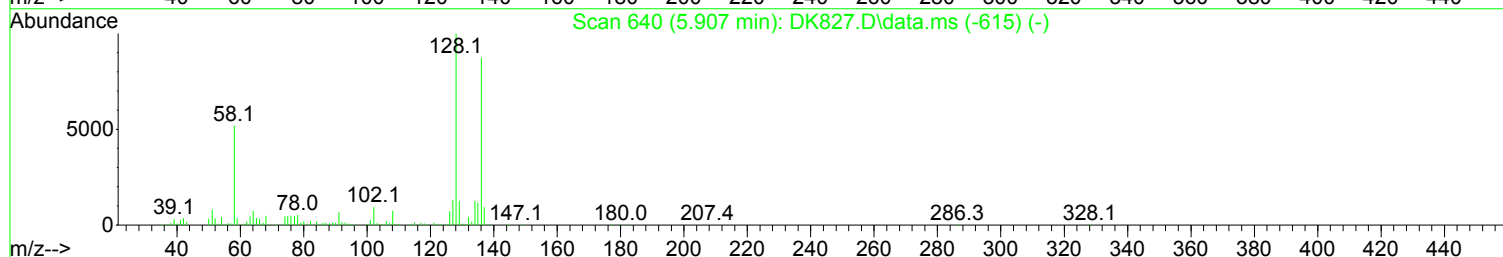
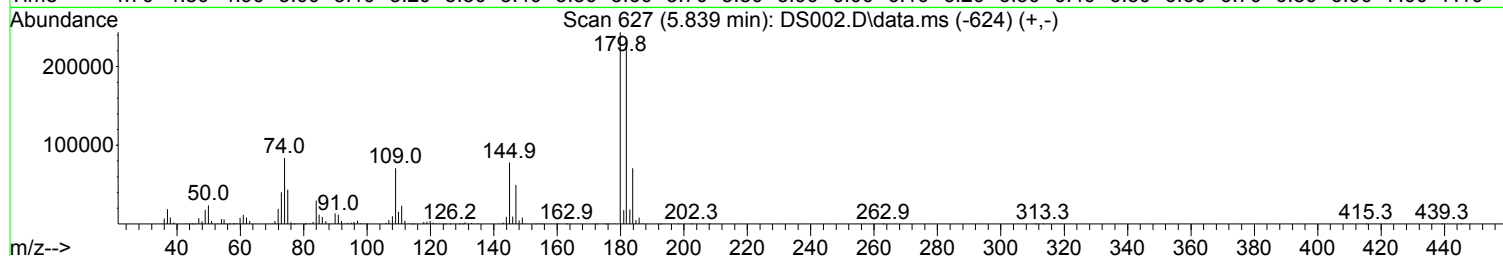
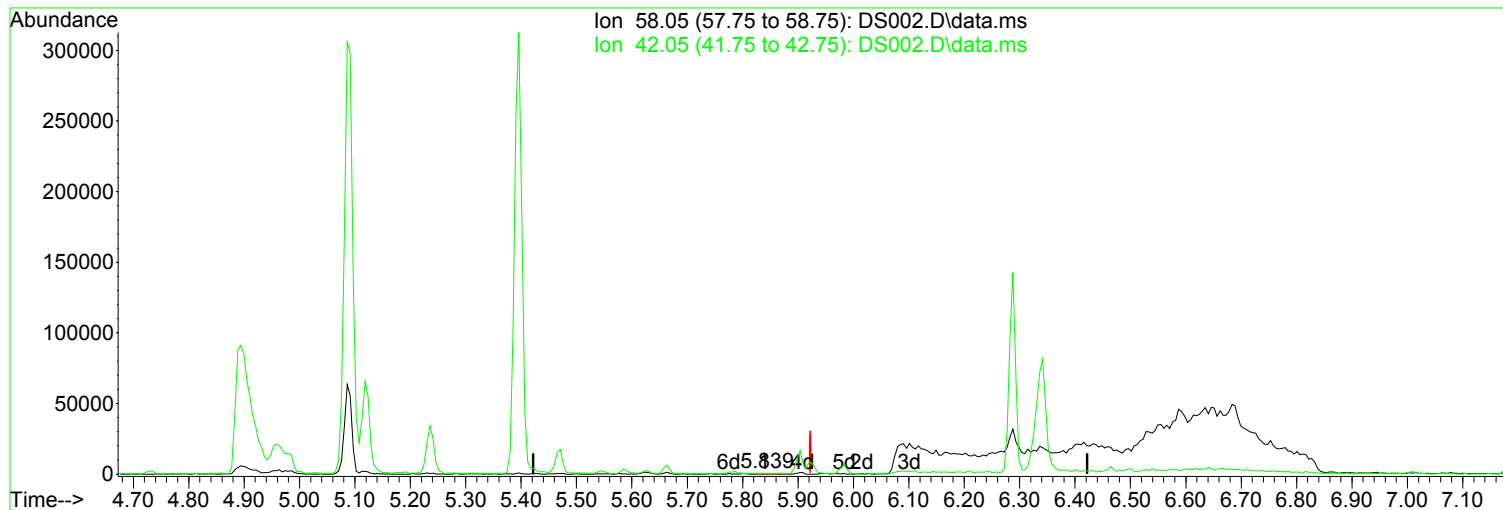
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.63
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DS002.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.839min (-0.083) 0.04 ppm

Before

response 436

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	148	0.00
2	TM Pyridine	1.563	1.659		-6.1	145	0.00
3	TM N-Nitrosodimethylamine	0.934	0.990		-6.0	148	0.00
4	TM 2-Picoline	1.589	1.574		0.9	143	0.00
5	TM N-Nitrosomethylamine	0.643	0.685		-6.5	160	0.00
6	TM Methyl Methansulfonate	0.724	0.692		4.4	139	0.00
7	S SURR1,2-FLUOROPHENOL	1.455	1.434		1.4	144	0.00
8	TM N-Nitrosodiethylamine	0.709	0.708		0.1	145	0.00
9	TM Ethyl Mathanesulfonate	1.223	1.198		2.0	149	0.00
10	TM Benzaldehyde	1.023	1.117		-9.2	167	0.00
11	TM Aniline	2.281	2.303		-1.0	147	0.00
12	S SURR2, PHENOL-D6	1.787	1.799		-0.7	145	0.00
13	TMC Phenol	1.955	1.973		-0.9	147	0.00
14	TM bis(2-Clethyl)Ether	1.353	1.340		1.0	150	0.00
15	TM Pentachloroethane	0.545	0.529		2.9	143	0.00
16	TM 2-Chlorophenol	1.536	1.533		0.2	146	0.00
17	TM 1,3-Diclbzence	1.598	1.552		2.9	144	0.00
18	TMC 1,4-Dichlorobenzene	1.635	1.596		2.4	143	0.00
19	TM 1,2-Diclbzence	1.563	1.511		3.3	144	0.00
20	TM Benzyl Alcohol	1.040	1.059		-1.8	148	0.00
21	T 1-Methyl-2-pyrrolidinone	0.950	0.991		-4.3	149	0.00
22	TM 2,2'-oxybis(1-Chloropropane	1.300	1.354		-4.2	155	0.00
23	TM 2-Methylphenol	1.378	1.362		1.2	150	0.00
24	TM 3+4-Methylphenol	1.559	1.550		0.6	147	0.00
25	TM Acetophenone	1.936	1.898		2.0	149	0.00
26	TMP N-Nitroso-Di-n-propylamine	1.044	1.070		-2.5	159	0.00
27	TM N-Nitrosopyrrolidine	0.759	0.752		0.9	147	0.00
28	TM N-Nitrosomorpholine	0.747	0.757		-1.3	159	0.00
29	TM o-Toluidine	2.150	2.098		2.4	148	0.00
30	TM Hexachloroethane	0.629	0.615		2.2	147	0.00
31	TM o,o,o-Triethylphosphorothio	0.656	0.651		0.8	149	0.00
32	TM Alpha-terpinol	0.511	0.506		1.0	150	0.00
33	IR d8-Naphthalene	1.000	1.000		0.0	153	0.00
34	S SURR4,NITROBENZENE-D5	0.406	0.398		2.0	152	0.00
35	TM Nitrobenzene	0.408	0.397		2.7	151	0.00
36	TM N-Nitrosopiperidine	0.222	0.236		-6.3	165	0.00
37	TM Isophorone	0.680	0.686		-0.9	154	0.00
38	TCM 2-Nitrophenol	0.211	0.212		-0.5	148	0.00
39	TM 2,4-Dimethylphenol	0.380	0.385		-1.3	150	0.00
40	TM bis(-2-Chloroethoxy)Methane	0.400	0.400		0.0	151	0.00
41	TM Benzoic Acid	0.144	0.165		-0.4	14.6 154	0.00
42	TCM 2,4-Dichlorophenol	0.301	0.298		1.0	145	0.00
43	TM a,a-Dimethylphenethylamine	0.759	0.840		-10.7	160	0.76#
44	TM 1,2,4-Trichlorobenzene	0.317	0.316		0.3	151	0.00
45	TM Naphthalene	1.102	1.036		6.0	144	0.00
46	TM 4-Chloroaniline	0.461	0.445		3.5	145	0.00
47	TM 2,6-Dichlorophenol	0.315	0.306		2.9	148	0.00
48	TCM Hexachlorobutadiene	0.161	0.162		-0.6	155	0.00
49	TM Hexachloropropene	0.201	0.199		1.0	149	0.00
50	TMC 4-Chloro-3-methylphenol	0.300	0.298		0.7	148	0.00
51	TM N-N-di-n-butylamine	0.238	0.235		1.3	152	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
52	TM	Caprolactam	0.119	0.111	6.7	149	0.02
53	TM	p-Phenylenediamine	0.077	0.067	13.0	123	0.01
54	TM	Safrole	0.283	0.275	2.8	146	0.00
55	TM	2-Methylnaphthalene	0.713	0.677	5.0	144	0.00
56	TM	1-Methylnaphthalene	0.668	0.628	6.0	146	0.00
57	IR	d10-Acenaphthene	1.000	1.000	0.0	147	0.00
58	TPM	Hexachlorocyclopentadiene	0.240	0.280	-1.3	16.7 144	0.00
59	TM	1,2,4,5-Tetrachlorobenzene	0.589	0.608	-3.2	154	0.00
60	TM	1,2,3,4-Tetrachlorobenzene	0.620	0.634	-2.3	152	0.00
61	TCM	2,4,6-Trichlorophenol	0.373	0.400	-7.2	154	0.00
62	TM	2,4,5-Trichlorophenol	0.401	0.418	-4.2	149	0.00
63	S	SURR5,2-FLUOROBIPHENYL	1.521	1.474	3.1	145	0.00
64	TM	Isosafrole	0.257	0.257	0.0	152	0.00
65	TM	1,1'-Biphenyl	1.772	1.723	2.8	145	0.00
66	TM	2-Chloronaphthalene	1.281	1.251	2.3	147	0.00
67	TM	2-Nitroaniline	0.366	0.367	-0.3	157	0.00
68	TM	1,4-Naphthoquinone	0.402	0.392	2.5	137	0.00
69	TM	m-Dinitrobenzene	0.252	0.261	-3.6	155	0.00
70	TM	Acenaphthylene	2.051	2.022	1.4	148	0.00
71	TM	Dimethyl phthalate	1.497	1.397	6.7	147	0.00
72	TM	2,6-Dinitrotoluene	0.340	0.332	2.4	150	0.00
73	TMC	Acenaphthene	1.427	1.399	2.0	146	0.00
74	TM	3-Nitroaniline	0.391	0.381	2.6	145	0.00
75	TPM	2,4-Dinitrophenol	0.117	0.155	-13.3	32.5 171	0.00
76	TM	Dibenzofuran	1.762	1.735	1.5	146	0.00
77	TM	2,4-Dinitrotoluene	0.449	0.458	-2.0	150	0.00
78	TMP	4-Nitrophenol	0.256	0.291	-13.7	159	0.00
79	TM	Pentachlorobenzene	0.472	0.504	-6.8	159	0.00
80	TM	1-Naphthylamine	0.928	0.878	5.4	146	0.00
81	TM	2-Naphthylamine	1.182	1.133	4.1	147	0.00
82	TM	2,3,4,6-Tetrachlorophenol	0.269	0.309	-14.9	160	0.00
83	TM	Fluorene	1.449	1.401	3.3	149	0.00
84	TM	4-Chlorophenyl-phenylether	0.585	0.599	-2.4	154	0.00
85	TM	Diethylphthalate	1.483	1.464	1.3	150	0.00
86	TM	4-Nitroaniline	0.385	0.391	-1.6	143	0.00
87	TM	5-Nitro-o-toluidine	0.438	0.431	1.6	143	0.00
88	S	SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.181	-10.4	165	0.00
89	TM	Sulfotepp	0.185	0.204	-10.3	167	0.00
90	TM	Octachlorocyclopentene	0.188	0.201	-6.9	153	0.00
91	IR	d10-Phenanthrene	1.000	1.000	0.0	148	0.00
92	TM	Thionazin	0.157	0.151	3.8	149	0.00
93	TM	4,6-Dinitro-2-methylphenol	0.154	0.169	-9.7	158	0.00
94	TM	Diphenylamine	0.707	0.686	3.0	148	0.00
95	TM	1,2 Diphenylhydrazine	0.892	0.876	1.8	155	0.00
96	TCM	N-Nitrosodiphenylamine	0.707	0.686	3.0	148	0.00
97	TM	1,3,5-Trinitrobenzene	0.128	0.134	-4.7	152	0.02
98	TM	Diallate	0.368	0.341	7.3	152	0.00
99	TM	Phorate	0.185	0.172	7.0	144	0.00
100	TM	Phenacetin	0.466	0.475	-1.9	150	0.02
101	TM	4-Bromophenyl-phenylether	0.209	0.204	2.4	150	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051319\
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 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
102	TM Hexachlorobenzene	0.235	0.240		-2.1	161	0.00
103	TM Dimethoate	0.306	0.294		3.9	148	0.02
104	TM Atrazine	0.114	0.106		7.0	140	0.00
105	TCM Pentachlorophenol	0.077	0.125	-34.4	62.3 #	207#	0.00
106	TM 4-Aminobiphenyl	0.718	0.696		3.1	142	0.00
107	TM Pentachloronitrobenzene	0.087	0.100		-14.9	166	0.00
108	TM Pronamide	0.409	0.428		-4.6	148	0.00
109	TM Dinoseb	0.203	0.227		-11.8	158	0.00
110	TM Disulfoton	0.439	0.420		4.3	148	0.00
111	TM Phenanthrene	1.265	1.215		4.0	145	0.00
112	TM Anthracene	1.257	1.238		1.5	148	0.00
113	TM Carbazole	1.235	1.216		1.5	144	0.00
114	TM Di-n-butylphthalate	1.596	1.616		-1.3	151	0.00
115	TM 4-Nitroquinoline-1-oxide	0.075	0.055		26.7#	104	0.00
116	TCM Fluoranthene	1.295	1.319		-1.9	148	0.00
117	IR d12-Chrysene	1.000	1.000		0.0	151	0.00
118	TM Methyl Parathion	0.317	0.301		5.0	140	0.00
119	TM Ethyl Parathion	0.237	0.242		-2.1	153	0.00
120	TM Methapyrilene	0.345	0.274		20.6#	120	0.02
121	TM Isodrin	0.146	0.142		2.7	147	0.00
122	TM Benzidine	0.939	0.869		7.5	132	0.00
123	TM Pyrene	1.469	1.511		-2.9	148	0.00
124	S SURR6, TERPHENYL-D14	0.942	0.977		-3.7	153	0.00
125	TM Aramite	0.201	0.200		0.5	147	0.01
126	TM p-(Dimethylamino)azobenzene	0.436	0.438		-0.5	140	0.00
127	TM Chlorobenzilate	0.510	0.521		-2.2	148	0.00
128	TM Butyl benzyl phthalate	0.815	0.817		-0.2	149	0.00
129	TM 3,3-Dimethylbenzidine	0.893	0.811		9.2	131	0.00
130	TM 2-Acetylaminofluorene	0.651	0.643		1.2	142	0.01
131	TM 3,3'-Dichlorobenzidine	0.532	0.511		3.9	143	0.00
132	TM Benzo(a)anthracene	1.358	1.335		1.7	148	0.01
133	TM Chrysene	1.250	1.242		0.6	149	0.00
134	TM bis(2-Ethylhexyl)phthalate	1.121	1.120		0.1	149	0.00
135	IR d12-Perylene	1.000	1.000		0.0	148	0.02
136	TCM Di-n-octyl phthalate	1.898	1.896		0.1	147	0.00
137	TM 7,12-Dimethylbenz(a)anthrac	0.605	0.621		-2.6	148	0.01
138	TM Benzo(b)Fluoranthene	1.331	1.347		-1.2	148	0.02
139	TM Benzo(k)fluoranthene	1.261	1.262		-0.1	145	0.02
140	TCM Benzo(a)pyrene	1.145	1.164		-1.7	148	0.02
141	TM 3-Methylcholanthrene	0.670	0.670		0.0	145	0.02
142	TM Indeno(1,2,3-cd)Pyrene	1.123	1.177		-4.8	156	0.02
143	TM Dibenz(a,h)anthracene	1.176	1.216		-3.4	151	0.02
144	TM Benzo(g,h,i)perylene	0.968	0.995		-2.8	153	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
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 Operator : JMisiurewicz
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 Misc : 80 ppm STD 8270D/625
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 Quant Title : 8270 BNA ANALYSIS
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	164546	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	628353	40.00	ppm	0.00	
57) d10-Acenaphthene	7.613	164	301006	40.00	ppm	0.00	
91) d10-Phenanthrene	9.087	188	470232	40.00	ppm	0.00	
117) d12-Chrysene	12.361	240	428068	40.00	ppm	0.00	
135) d12-Perylene	15.309	264	421409	40.00	ppm	0.02	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	471942	78.85	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	78.85%#	
12) SURR2,PHENOL-D6	4.419	99	592032	80.52	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	80.52%	
34) SURR4,NITROBENZENE-D5	5.236	82	500719	78.53	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	157.06%#	
63) SURR5,2-FLUOROBIPHENYL	6.945	172	887295	77.52	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	155.04%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	109094	88.51	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	88.51%	
124) SURR6,TERPHENYL-D14	10.774	244	836580	82.96	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	165.92%#	
Target Compounds							
							Qvalue
2) Pyridine	2.619	79	546044	84.950	ppm		97
3) N-Nitrosodimethylamine	2.587	74	325714	84.791	ppm		99
4) 2-Picoline	3.195	93	517910	79.249	ppm		98
5) N-Nitrosomethylamine	3.281	42	225550	85.319	ppm		94
6) Methyl Methansulfonate	3.521	80	227718	76.490	ppm		97
8) N-Nitrosodiethylamine	3.831	102	233089	79.870	ppm		97
9) Ethyl Mathanesulfonate	4.077	79	394357	78.390	ppm		99
10) Benzaldehyde	4.365	106	367483	87.306	ppm		99
11) Aniline	4.451	93	757989	80.773	ppm		90
13) Phenol	4.435	94	649220	80.732	ppm		98
14) bis(2-Clethyl)Ether	4.493	93	440857	79.232	ppm		96
15) Pentachloroethane	4.488	117	174007	77.671	ppm		95
16) 2-Chlorophenol	4.557	128	504344	79.842	ppm		99
17) 1,3-Diclbzene	4.680	146	510632	77.675	ppm		97
18) 1,4-Dichlorobenzene	4.750	146	525158	78.062	ppm		98
19) 1,2-Diclbzene	4.883	146	497109	77.336	ppm		98
20) Benzyl Alcohol	4.857	79	348473	81.454	ppm		97
21) 1-Methyl-2-pyrrolidinone	4.894	99	326288	83.449	ppm		92
22) 2,2'-oxybis(1-Chloropr...	4.958	45	445493	83.324	ppm	#	80
23) 2-Methylphenol	4.974	108	448127	79.064	ppm		95
24) 3+4-Methylphenol	5.108	108	510129	79.543	ppm		97
25) Acetophenone	5.092	105	624592	78.413	ppm		99
26) N-Nitroso-Di-n-propyla...	5.086	70	352198	81.983	ppm		96
27) N-Nitrosopyrrolidine	5.092	100	247492	79.226	ppm		91
28) N-Nitrosomorpholine	5.118	56	249165	81.031	ppm		90
29) o-Toluidine	5.124	106	690513	78.064	ppm		96
30) Hexachloroethane	5.182	117	202392	78.161	ppm		98
31) o,o,o-Triethylphosphor...	5.626	198	214263	79.449	ppm		98
32) Alpha-terpinol	5.925	121	166378	79.157	ppm		93
35) Nitrobenzene	5.252	77	498844	77.892	ppm		94
36) N-Nitrosopiperidine	5.396	42	296144	85.075	ppm		97
37) Isophorone	5.471	82	861699	80.723	ppm		100
38) 2-Nitrophenol	5.546	139	266382	80.394	ppm		95

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS002.D
 Acq On : 13 May 2019 8:41 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.583	107	484339	81.172	ppm	92
40) bis(-2-Chloroethoxy)Me...	5.663	93	502476	80.058	ppm	100
41) Benzoic Acid	5.684	105	207876m	80.289	ppm	
42) 2,4-Dichlorophenol	5.786	162	374605	79.260	ppm	93
43) a,a-Dimethylphenethyla...	6.683	58	1055879m	88.614	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	397721	79.811	ppm	98
45) Naphthalene	5.925	128	1302371	75.203	ppm	99
46) 4-Chloroaniline	5.984	127	559468	77.204	ppm	99
47) 2,6-Dichlorophenol	5.989	162	384947	77.888	ppm	97
48) Hexachlorobutadiene	6.026	225	203500	80.597	ppm	97
49) Hexachloropropene	6.000	213	250183	79.302	ppm	94
50) 4-Chloro-3-methylphenol	6.464	107	374968	79.436	ppm	87
51) N-N-di-n-butylamine	6.288	84	294907	78.783	ppm	98
52) Caprolactam	6.341	113	139501	74.464	ppm	96
53) p-Phenylenediamine	6.347	80	83822	69.378	ppm	85
54) Safrrole	6.496	162	345031	77.617	ppm	97
55) 2-Methylnaphthalene	6.587	142	850748	75.907	ppm	97
56) 1-Methylnaphthalene	6.683	142	789230	75.267	ppm	98
58) Hexachlorocyclopentadiene	6.731	237	168678	81.062	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.753	216	365883	82.589	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	381972	81.881	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	240937	85.865	ppm	97
62) 2,4,5-Trichlorophenol	6.929	196	251433	83.311	ppm	99
64) Isosafrole	7.009	104	154538	79.829	ppm	92
65) 1,1'-Biphenyl	7.046	154	1037497	77.806	ppm	98
66) 2-Chloronaphthalene	7.068	162	753377	78.169	ppm	98
67) 2-Nitroaniline	7.180	65	220911	80.187	ppm	94
68) 1,4-Naphthoquinone	7.255	158	235850	77.951	ppm	95
69) m-Dinitrobenzene	7.399	168	157416	83.134	ppm	88
70) Acenaphthylene	7.474	152	1217453	78.866	ppm	99
71) Dimethyl phthalate	7.345	163	841143	74.648	ppm	99
72) 2,6-Dinitrotoluene	7.415	165	199829	78.114	ppm	87
73) Acenaphthene	7.645	153	841937	78.402	ppm	98
74) 3-Nitroaniline	7.591	138	229344	77.987	ppm	98
75) 2,4-Dinitrophenol	7.709	184	93081	90.674	ppm	92
76) Dibenzofuran	7.815	168	1044410	78.760	ppm	97
77) 2,4-Dinitrotoluene	7.821	165	275882	81.657	ppm	97
78) 4-Nitrophenol	7.815	65	174923	90.662	ppm	# 1
79) Pentachlorobenzene	7.773	250	303427	85.463	ppm	98
80) 1-Naphthylamine	7.906	143	528339	75.656	ppm	99
81) 2-Naphthylamine	7.986	143	682167	76.717	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.949	232	185771	91.748	ppm	93
83) Fluorene	8.157	166	843533	77.367	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	360883	82.045	ppm	93
85) Diethylphthalate	8.040	149	881105	78.957	ppm	100
86) 4-Nitroaniline	8.211	138	235557	81.207	ppm	98
87) 5-Nitro-o-toluidine	8.189	152	259322	78.742	ppm	97
89) Sulfotepp	8.419	322	122677	88.081	ppm	76
90) Octachlorocyclopentene	8.392	307	120785	85.191	ppm	97
92) Thionazin	8.120	107	141926	76.932	ppm	94
93) 4,6-Dinitro-2-methylph...	8.227	198	158527	87.458	ppm	96
94) Diphenylamine	8.275	169	1289643	155.203	ppm	99
95) 1,2 Diphenylhydrazine	8.307	77	823564	78.542	ppm	97
96) N-Nitrosodiphenylamine	8.275	169	1289643	155.203	ppm	99
97) 1,3,5-Trinitrobenzene	8.611	74	126047	84.046	ppm	95
98) Diallate	8.547	86	321009	74.247	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

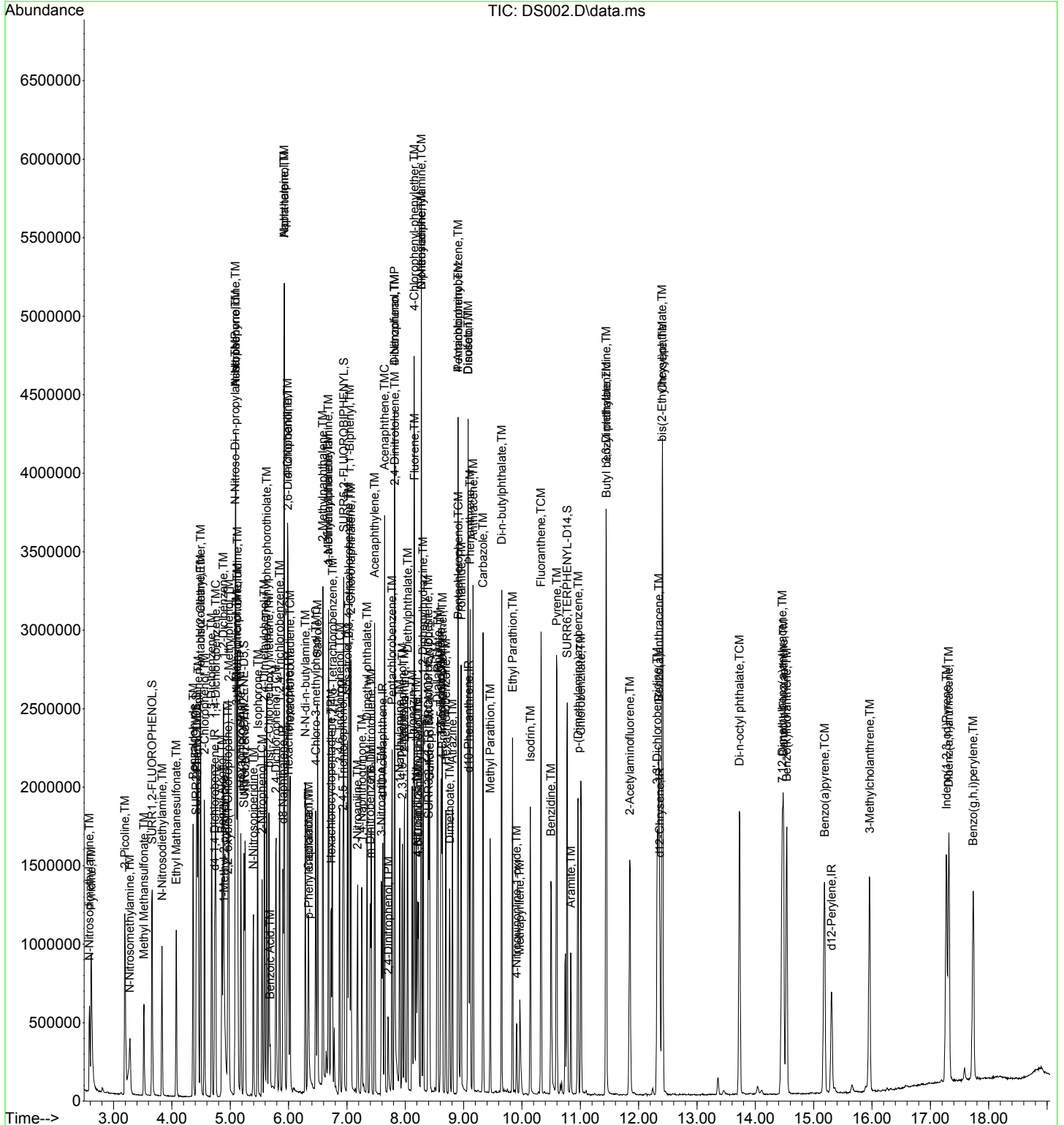
Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	161572	74.283	ppm	92
100) Phenacetin	8.617	108	446538	81.510	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	191696	77.964	ppm	94
102) Hexachlorobenzene	8.697	284	225739	81.641	ppm	94
103) Dimethoate	8.761	87	276104	76.847	ppm	94
104) Atrazine	8.809	215	99743	74.186	ppm	97
105) Pentachlorophenol	8.910	266	117487	107.503	ppm	93
106) 4-Aminobiphenyl	8.905	169	654837	77.556	ppm	100
107) Pentachloronitrobenzene	8.905	237	94034	92.056	ppm	93
108) Pronamide	8.958	173	402587	83.737	ppm	98
109) Dinoseb	9.076	211	213054	89.303	ppm	95
110) Disulfoton	9.076	88	394774	76.544	ppm	94
111) Phenanthrene	9.113	178	1142394	76.820	ppm	100
112) Anthracene	9.161	178	1164487	78.810	ppm	98
113) Carbazole	9.332	167	1143228	78.766	ppm	99
114) Di-n-butylphthalate	9.653	149	1520007	81.023	ppm	99
115) 4-Nitroquinonline-1-oxide	9.909	190	52011	59.129	ppm	88
116) Fluoranthene	10.326	202	1240017	81.449	ppm	99
118) Methyl Parathion	9.455	109	257641	75.917	ppm	97
119) Ethyl Parathion	9.840	97	206963	81.624	ppm	98
120) Methapyrilene	9.963	58	234952	63.697	ppm	100
121) Isodrin	10.144	193	121947	77.915	ppm	93
122) Benzidine	10.497	184	744311	74.103	ppm	99
123) Pyrene	10.598	202	1293288	82.275	ppm	100
125) Aramite	10.839	185	171604m	79.643	ppm	
126) p-(Dimethylamino)azobe...	10.961	120	374791	80.258	ppm	96
127) Chlorobenzilate	11.009	139	446333	81.814	ppm	94
128) Butyl benzyl phthalate	11.447	149	699071	80.166	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	694217	72.608	ppm	98
130) 2-Acetylaminofluorene	11.848	181	550328	79.022	ppm	97
131) 3,3'-Dichlorobenzidine	12.318	252	437801	76.890	ppm	96
132) Benzo(a)anthracene	12.345	228	1142563	78.606	ppm	99
133) Chrysene	12.409	228	1063039	79.498	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.403	149	958854	79.905	ppm	98
136) Di-n-octyl phthalate	13.728	149	1598391	79.922	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.460	256	523504	82.175	ppm	99
138) Benzo(b)Fluoranthene	14.481	252	1135657	80.982	ppm	98
139) Benzo(k)fluoranthene	14.540	252	1063968	80.106	ppm	99
140) Benzo(a)pyrene	15.186	252	981373	81.373	ppm	98
141) 3-Methylcholanthrene	15.961	268	564288	79.890	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.275	276	991602	83.841	ppm	95
143) Dibenz(a,h)anthracene	17.317	278	1025110	82.722	ppm	98
144) Benzo(g,h,i)perylene	17.734	276	838247	82.234	ppm	97

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

Data Path : I:\ACQDATA\5973A\DATA\051319\
Data File : DS002.D
Acq On : 13 May 2019 8:41 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 09:05:26 2019
Quant Method : I:\ACQDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS025.D
 Acq On : 15 May 2019 7:30 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 13:32:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
1	IR d4-1,4-Dichlorobenzene	1.000	1.000		0.0	154	0.00
2	TM Pyridine	1.563	1.534		1.9	139	-0.02
3	TM N-Nitrosodimethylamine	0.934	0.942		-0.9	146	0.00
4	S SURR1,2-FLUOROPHENOL	1.455	1.436		1.3	150	0.00
5	TM N-Nitrosodiethylamine	0.709	0.708		0.1	151	0.00
6	TM Benzaldehyde	1.023	0.695		32.1#	108	0.00
7	TM Aniline	2.281	2.344		-2.8	155	0.00
8	S SURR2,PHENOL-D6	1.787	1.817		-1.7	152	0.00
9	TMC Phenol	1.955	1.993		-1.9	154	0.00
10	TM bis(2-Clethyl)Ether	1.353	1.298		4.1	151	0.00
11	TM 2-Chlorophenol	1.536	1.556		-1.3	154	0.00
12	TM 1,3-Diclbzence	1.598	1.577		1.3	152	0.00
13	TMC 1,4-Dichlorobenzene	1.635	1.599		2.2	149	0.00
14	TM 1,2-Diclbzence	1.563	1.542		1.3	153	0.00
15	TM Benzyl Alcohol	1.040	1.057		-1.6	154	0.00
16	T 1-Methyl-2-pyrrolidinone	0.950	1.004		-5.7	157	0.00
17	TM 2,2'-oxybis(1-Chloropropane	1.300	1.247		4.1	148	0.00
18	TM 2-Methylphenol	1.378	1.360		1.3	155	0.00
19	TM 3+4-Methylphenol	1.559	1.563		-0.3	154	0.00
20	TM Acetophenone	1.936	1.875		3.2	154	0.00
21	TMP N-Nitroso-Di-n-propylamine	1.044	1.022		2.1	158	0.00
22	TM Hexachloroethane	0.629	0.622		1.1	155	0.00
23	TM Alpha-terpinol	0.511	0.532		-4.1	164	0.00
24	IR d8-Naphthalene	1.000	1.000		0.0	165	0.00
25	S SURR4,NITROBENZENE-D5	0.406	0.373		8.1	152	0.00
26	TM Nitrobenzene	0.408	0.372		8.8	152	0.00
27	TM Isophorone	0.680	0.654		3.8	158	0.00
28	TCM 2-Nitrophenol	0.211	0.209		0.9	157	0.00
29	TM 2,4-Dimethylphenol	0.380	0.374		1.6	156	0.00
30	TM bis(-2-Chloroethoxy)Methane	0.400	0.396		1.0	160	0.00
31	TM Benzoic Acid	0.144	0.204	-19.6	41.7#	204#	0.00
32	TCM 2,4-Dichlorophenol	0.301	0.301		0.0	157	0.00
33	TM 1,2,4-Trichlorobenzene	0.317	0.308		2.8	157	0.00
34	TM Naphthalene	1.102	1.036		6.0	155	0.00
35	TM 4-Chloroaniline	0.461	0.449		2.6	157	0.00
36	TM 2,6-Dichlorophenol	0.315	0.302		4.1	156	0.00
37	TCM Hexachlorobutadiene	0.161	0.156		3.1	161	0.00
38	TMC 4-Chloro-3-methylphenol	0.300	0.301		-0.3	160	0.00
39	TM Caprolactam	0.119	0.113		5.0	162	0.02
40	TM 2-Methylnaphthalene	0.713	0.685		3.9	156	0.00
41	TM 1-Methylnaphthalene	0.668	0.642		3.9	160	0.00
42	IR d10-Acenaphthene	1.000	1.000		0.0	163	0.00
43	TPM Hexachlorocyclopentadiene	0.240	0.254	6.8	5.8	145	0.00
44	TM 1,2,4,5-Tetrachlorobenzene	0.589	0.586		0.5	164	0.00
45	TM 1,2,3,4-Tetrachlorobenzene	0.620	0.601		3.1	159	0.00
46	TCM 2,4,6-Trichlorophenol	0.373	0.387		-3.8	165	0.00
47	TM 2,4,5-Trichlorophenol	0.401	0.416		-3.7	165	0.00
48	S SURR5,2-FLUOROBIPHENYL	1.521	1.463		3.8	160	0.00
49	TM 1,1'-Biphenyl	1.772	1.698		4.2	158	0.00
50	TM 2-Chloronaphthalene	1.281	1.231		3.9	160	0.00

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS025.D
 Acq On : 15 May 2019 7:30 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 13:32:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%D	%Dev	Area%	Dev(min)
51	TM 2-Nitroaniline	0.366	0.348		4.9	165	0.00
52	TM Acenaphthylene	2.051	1.994		2.8	162	0.00
53	TM Dimethyl phthalate	1.497	1.395		6.8	162	0.00
54	TM 2,6-Dinitrotoluene	0.340	0.336		1.2	169	0.00
55	TMC Acenaphthene	1.427	1.386		2.9	160	0.00
56	TM 3-Nitroaniline	0.391	0.386		1.3	163	0.00
57	TPM 2,4-Dinitrophenol	0.117	0.172	-22.9	47.0 #	211#	0.00
58	TM Dibenzofuran	1.762	1.721		2.3	160	0.00
59	TM 2,4-Dinitrotoluene	0.449	0.451		-0.4	164	0.00
60	TMP 4-Nitrophenol	0.256	0.265		-3.5	160	0.01
61	TM Pentachlorobenzene	0.472	0.485		-2.8	170	0.00
62	TM 2,3,4,6-Tetrachlorophenol	0.269	0.301		-11.9	172	0.00
63	TM Fluorene	1.449	1.386		4.3	164	0.00
64	TM 4-Chlorophenyl-phenylether	0.585	0.577		1.4	165	0.00
65	TM Diethylphthalate	1.483	1.455		1.9	165	0.00
66	TM 4-Nitroaniline	0.385	0.386		-0.3	157	0.01
67	S SURR3,2,4,6-TRIBROMOPHENOL	0.164	0.176		-7.3	178	0.00
68	TM Octachlorocyclopentene	0.188	0.196		-4.3	165	0.00
69	IR dl0-Phenanthrene	1.000	1.000		0.0	163	0.00
70	TM 4,6-Dinitro-2-methylphenol	0.154	0.174		-13.0	181	0.00
71	TM 1,2 Diphenylhydrazine	0.892	0.807		9.5	158	0.00
72	TCM N-Nitrosodiphenylamine	0.707	0.677		4.2	161	0.00
73	TM 4-Bromophenyl-phenylether	0.209	0.201		3.8	164	0.00
74	TM Hexachlorobenzene	0.235	0.234		0.4	174	0.00
75	TM Atrazine	0.114	0.092		19.3	134	0.00
76	TCM Pentachlorophenol	0.077	0.131	-39.2	70.1 #	239#	0.00
77	TM Phenanthrene	1.265	1.226		3.1	162	0.00
78	TM Anthracene	1.257	1.225		2.5	162	0.00
79	TM Carbazole	1.235	1.222		1.1	161	0.00
80	TM Di-n-butylphthalate	1.596	1.632		-2.3	168	0.00
81	TCM Fluoranthene	1.295	1.310		-1.2	163	0.00
82	IR dl2-Chrysene	1.000	1.000		0.0	171	0.01
83	TM Benzidine	0.939	0.870		7.3	150	0.00
84	TM Pyrene	1.469	1.449		1.4	162	0.00
85	S SURR6,TERPHENYL-D14	0.942	0.954		-1.3	170	0.00
86	TM Butyl benzyl phthalate	0.815	0.795		2.5	165	0.00
87	TM 3,3'-Dichlorobenzidine	0.532	0.505		5.1	160	0.00
88	TM Benzo(a)anthracene	1.358	1.304		4.0	164	0.02
89	TM Chrysene	1.250	1.194		4.5	163	0.01
90	TM bis(2-Ethylhexyl)phthalate	1.121	1.103		1.6	166	0.00
91	IR dl2-Perylene	1.000	1.000		0.0	165	0.02
92	TCM Di-n-octyl phthalate	1.898	1.936		-2.0	167	0.00
93	TM Benzo(b)fluoranthene	1.331	1.317		1.1	161	0.03
94	TM Benzo(k)fluoranthene	1.261	1.254		0.6	160	0.02
95	TCM Benzo(a)pyrene	1.145	1.168		-2.0	165	0.03
96	TM Indeno(1,2,3-cd)Pyrene	1.123	1.130		-0.6	167	0.03
97	TM Dibenz(a,h)anthracene	1.176	1.180		-0.3	163	0.02
98	TM Benzo(g,h,i)perylene	0.968	0.966		0.2	165	0.03

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS025.D
Acq On : 15 May 2019 7:30 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 13:32:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
----------	-------	------	------	-------	----------

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS025.D
 Acq On : 15 May 2019 7:30 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
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Quant Time: May 15 13:32:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.733	152	171103	40.00	ppm	0.00
24) d8-Naphthalene	5.903	136	674230	40.00	ppm	0.00
42) d10-Acenaphthene	7.612	164	333349	40.00	ppm	0.00
69) d10-Phenanthrene	9.092	188	520110	40.00	ppm	0.00
82) d12-Chrysene	12.366	240	485964	40.00	ppm	0.01
91) d12-Perylene	15.314	264	468885	40.00	ppm	0.02
System Monitoring Compounds						
4) SURR1,2-FLUOROPHENOL	3.654	112	491360	78.95	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	78.95%#
8) SURR2,PHENOL-D6	4.418	99	621631	81.30	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	81.30%
25) SURR4,NITROBENZENE-D5	5.235	82	502940	73.51	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	147.02%#
48) SURR5,2-FLUOROBIPHENYL	6.945	172	975116	76.93	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	153.86%#
67) SURR3,2,4,6-TRIBROMOPH...	8.403	330	117181	85.85	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	85.85%
85) SURR6,TERPHENYL-D14	10.774	244	927471	81.02	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	162.04%
Target Compounds						
						Qvalue
2) Pyridine	2.613	79	524900	78.531	ppm	99
3) N-Nitrosodimethylamine	2.581	74	322272	80.680	ppm	96
5) N-Nitrosodiethylamine	3.831	102	242394	79.876	ppm	86
6) Benzaldehyde	4.365	106	237819	54.336	ppm	96
7) Aniline	4.450	93	801995	82.187	ppm	95
9) Phenol	4.429	94	681908	81.547	ppm	98
10) bis(2-Clethyl)Ether	4.493	93	444021	76.742	ppm	97
11) 2-Chlorophenol	4.557	128	532443	81.060	ppm	98
12) 1,3-Diclbzene	4.680	146	539706	78.951	ppm	99
13) 1,4-Dichlorobenzene	4.749	146	547314	78.238	ppm	98
14) 1,2-Diclbzene	4.883	146	527531	78.924	ppm	100
15) Benzyl Alcohol	4.856	79	361554	81.273	ppm	97
16) 1-Methyl-2-pyrrolidinone	4.899	99	343562	84.500	ppm	98
17) 2,2'-oxybis(1-Chloropr...	4.958	45	426666	76.745	ppm	# 83
18) 2-Methylphenol	4.974	108	465536	78.988	ppm	96
19) 3+4-Methylphenol	5.107	108	534951	80.217	ppm	98
20) Acetophenone	5.091	105	641776	77.483	ppm	100
21) N-Nitroso-Di-n-propyla...	5.091	70	349701	78.282	ppm	98
22) Hexachloroethane	5.182	117	212808	79.034	ppm	98
23) Alpha-terpinol	5.924	121	181980	83.262	ppm	95
26) Nitrobenzene	5.257	77	501782	73.019	ppm	94
27) Isophorone	5.470	82	882308	77.029	ppm	98
28) 2-Nitrophenol	5.545	139	282058	79.333	ppm	96
29) 2,4-Dimethylphenol	5.583	107	503887	78.702	ppm	97
30) bis(-2-Chloroethoxy)Me...	5.663	93	533326	79.192	ppm	98
31) Benzoic Acid	5.695	105	274962	95.686	ppm	97
32) 2,4-Dichlorophenol	5.786	162	406520	80.160	ppm	93
33) 1,2,4-Trichlorobenzene	5.844	180	415124	77.635	ppm	100
34) Naphthalene	5.924	128	1397409	75.200	ppm	99
35) 4-Chloroaniline	5.983	127	605247	77.839	ppm	99
36) 2,6-Dichlorophenol	5.988	162	407012	76.749	ppm	97
37) Hexachlorobutadiene	6.026	225	210745	77.787	ppm	94
38) 4-Chloro-3-methylphenol	6.464	107	406329	80.223	ppm	# 63

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS025.D
 Acq On : 15 May 2019 7:30 am
 Operator : JMisiurewicz
 Sample : CCV
 Misc : 80 ppm STD 8270D/625
 ALS Vial : 3 Sample Multiplier: 1

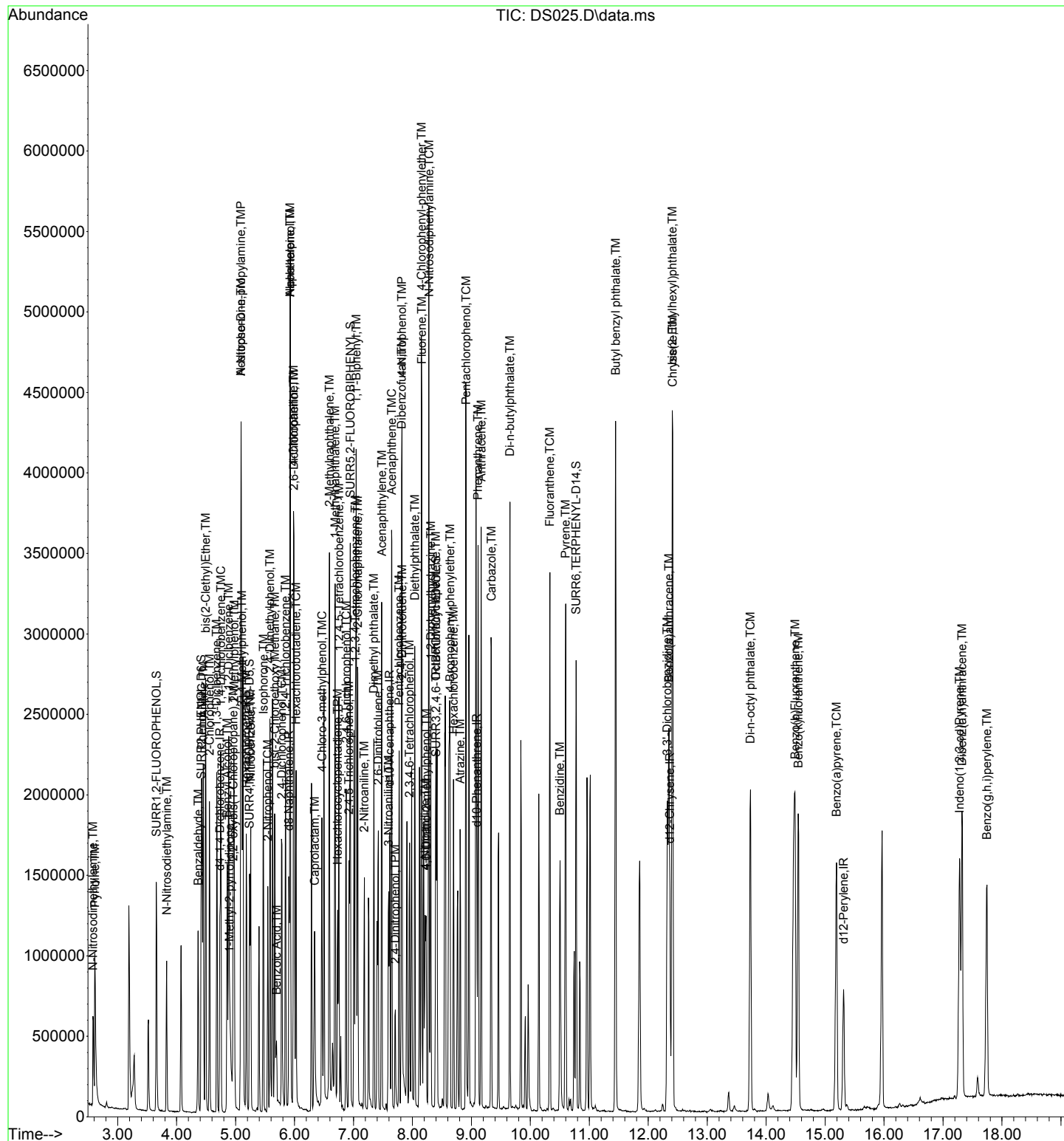
Quant Time: May 15 13:32:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Caprolactam	6.341	113	151814	75.523	ppm	95
40) 2-Methylnaphthalene	6.592	142	924327	76.861	ppm	96
41) 1-Methylnaphthalene	6.688	142	865617	76.935	ppm	99
43) Hexachlorocyclopentadiene	6.731	237	169520	74.593	ppm	97
44) 1,2,4,5-Tetrachloroben...	6.752	216	390833	79.661	ppm	99
45) 1,2,3,4-Tetrachloroben...	7.030	216	400706	77.563	ppm	94
46) 2,4,6-Trichlorophenol	6.875	196	257694	82.926	ppm	98
47) 2,4,5-Trichlorophenol	6.923	196	277304	82.968	ppm	96
49) 1,1'-Biphenyl	7.046	154	1132139	76.666	ppm	99
50) 2-Chloronaphthalene	7.073	162	820944	76.915	ppm	99
51) 2-Nitroaniline	7.185	65	232238	76.120	ppm	92
52) Acenaphthylene	7.479	152	1329714	77.780	ppm	98
53) Dimethyl phthalate	7.345	163	929809	74.511	ppm	98
54) 2,6-Dinitrotoluene	7.420	165	223952	79.050	ppm	83
55) Acenaphthene	7.650	153	923768	77.676	ppm	98
56) 3-Nitroaniline	7.596	138	257492	79.063	ppm	98
57) 2,4-Dinitrophenol	7.708	184	114979	98.306	ppm	91
58) Dibenzofuran	7.815	168	1147204	78.118	ppm	99
59) 2,4-Dinitrotoluene	7.826	165	300825	80.400	ppm	81
60) 4-Nitrophenol	7.820	65	176611	82.655	ppm	# 1
61) Pentachlorobenzene	7.772	250	323277	82.220	ppm	98
62) 2,3,4,6-Tetrachlorophenol	7.949	232	200503	89.416	ppm	98
63) Fluorene	8.157	166	924012	76.525	ppm	99
64) 4-Chlorophenyl-phenyle...	8.152	204	384943	79.023	ppm	95
65) Diethylphthalate	8.039	149	969960	78.486	ppm	99
66) 4-Nitroaniline	8.216	138	257338	80.108	ppm	99
68) Octachlorocyclopentene	8.397	307	130457	83.085	ppm	99
70) 4,6-Dinitro-2-methylph...	8.232	198	181093	90.326	ppm	98
71) 1,2 Diphenylhydrazine	8.312	77	839943	72.422	ppm	94
72) N-Nitrosodiphenylamine	8.280	169	1408332	153.233	ppm	99
73) 4-Bromophenyl-phenylether	8.638	248	209241	76.939	ppm	98
74) Hexachlorobenzene	8.696	284	243591	79.648	ppm	99
75) Atrazine	8.809	215	96156	64.659	ppm	96
76) Pentachlorophenol	8.910	266	135888	111.375	ppm	96
77) Phenanthrene	9.113	178	1275419	77.541	ppm	98
78) Anthracene	9.166	178	1274187	77.965	ppm	97
79) Carbazole	9.337	167	1271401	79.197	ppm	99
80) Di-n-butylphthalate	9.652	149	1697363	81.800	ppm	99
81) Fluoranthene	10.331	202	1362215	80.895	ppm	98
83) Benzidine	10.502	184	845701	74.166	ppm	99
84) Pyrene	10.598	202	1408395	78.923	ppm	98
86) Butyl benzyl phthalate	11.447	149	772764	78.059	ppm	99
87) 3,3'-Dichlorobenzidine	12.323	252	490970	75.955	ppm	98
88) Benzo(a)anthracene	12.350	228	1267547	76.815	ppm	98
89) Chrysene	12.414	228	1160304	76.434	ppm	99
90) bis(2-Ethylhexyl)phtha...	12.408	149	1072032	78.693	ppm	99
92) Di-n-octyl phthalate	13.733	149	1815488	81.586	ppm	100
93) Benzo(b)Fluoranthene	14.491	252	1234869	79.140	ppm	99
94) Benzo(k)fluoranthene	14.545	252	1175566	79.546	ppm	98
95) Benzo(a)pyrene	15.191	252	1095353	81.628	ppm	98
96) Indeno(1,2,3-cd)Pyrene	17.279	276	1059627	80.521	ppm	100
97) Dibenz(a,h)anthracene	17.322	278	1106199	80.227	ppm	99
98) Benzo(g,h,i)perylene	17.744	276	905893	79.872	ppm	96

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

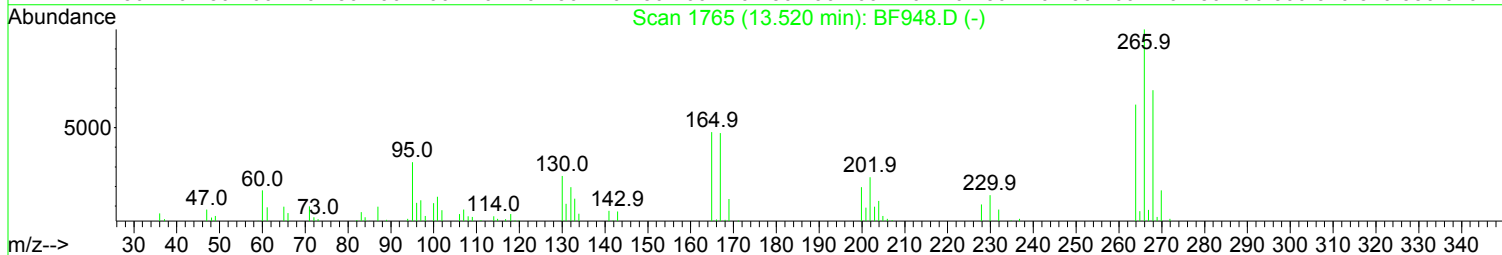
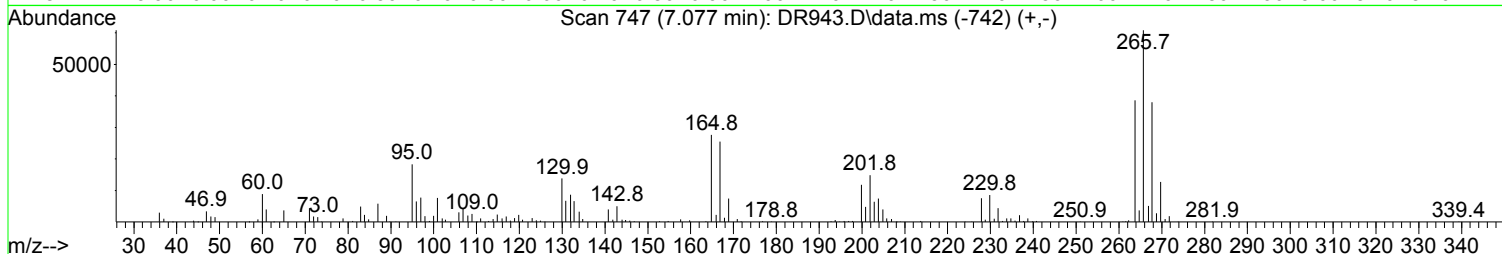
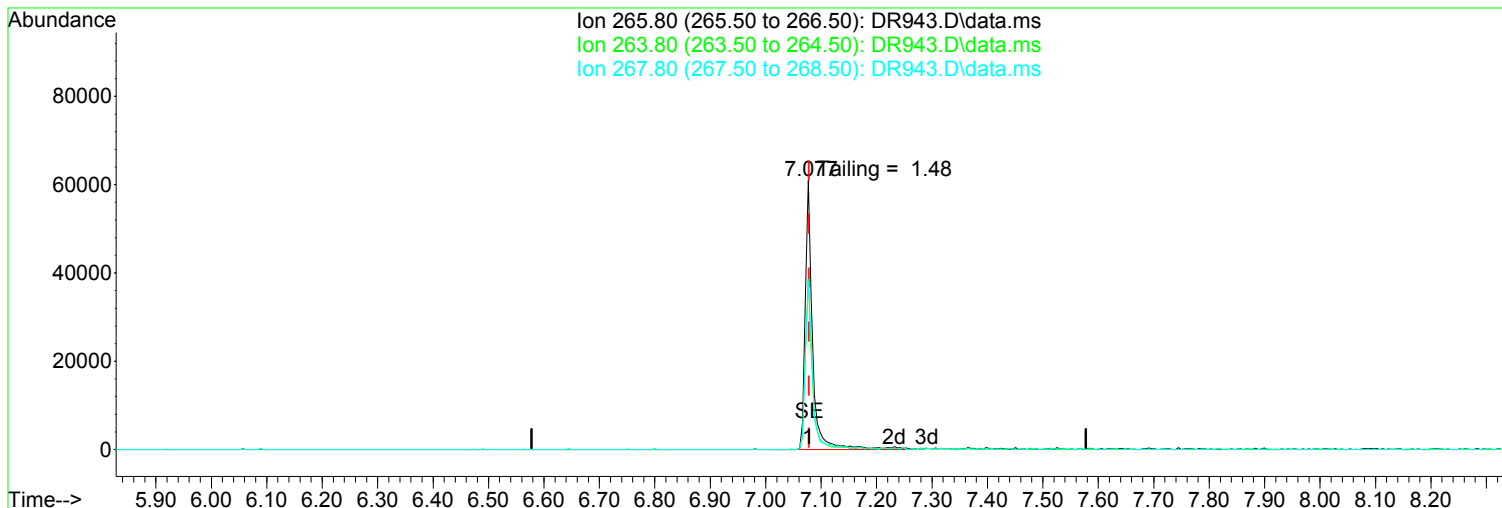
Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS025.D
Acq On : 15 May 2019 7:30 am
Operator : JMisiurewicz
Sample : CCV
Misc : 80 ppm STD 8270D/625
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 15 13:32:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019AS.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR943.D
Acq On : 7 May 2019 11:30 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 12:10:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR943.D\data.ms

(5) Pentachlorophenol (TCM)

Manual Integration:

7.077min (-0.001) 69.90 ppm

After

response 56198

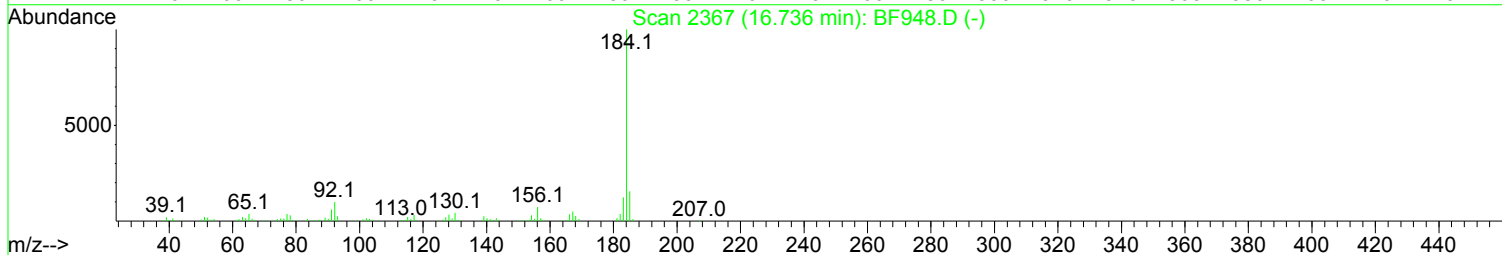
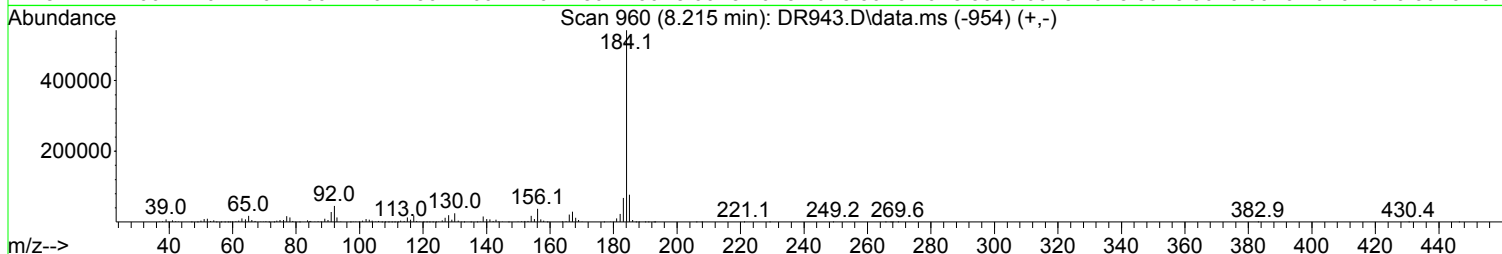
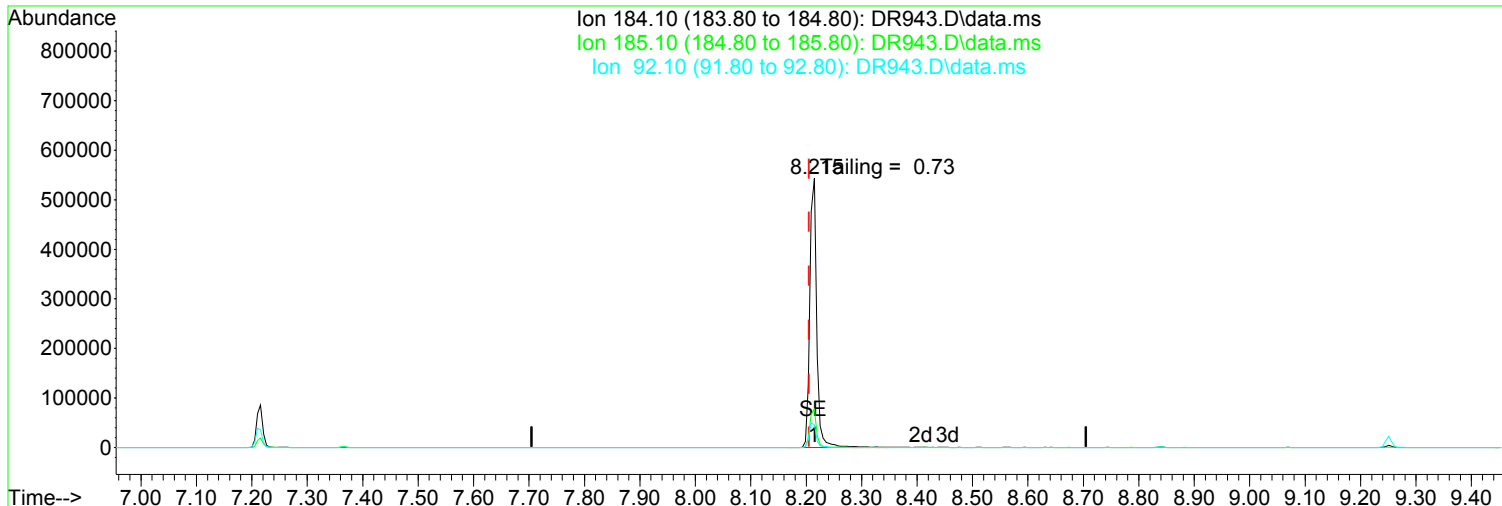
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.22
267.80	64.20	62.39
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR943.D
Acq On : 7 May 2019 11:30 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 12:10:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR943.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.215min (+ 0.009) 43.05 ppm

After

response 467314

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.28
92.10	10.10	8.40
0.00	0.00	0.00

05/08/19

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR943.D
 Acq On : 7 May 2019 11:30 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

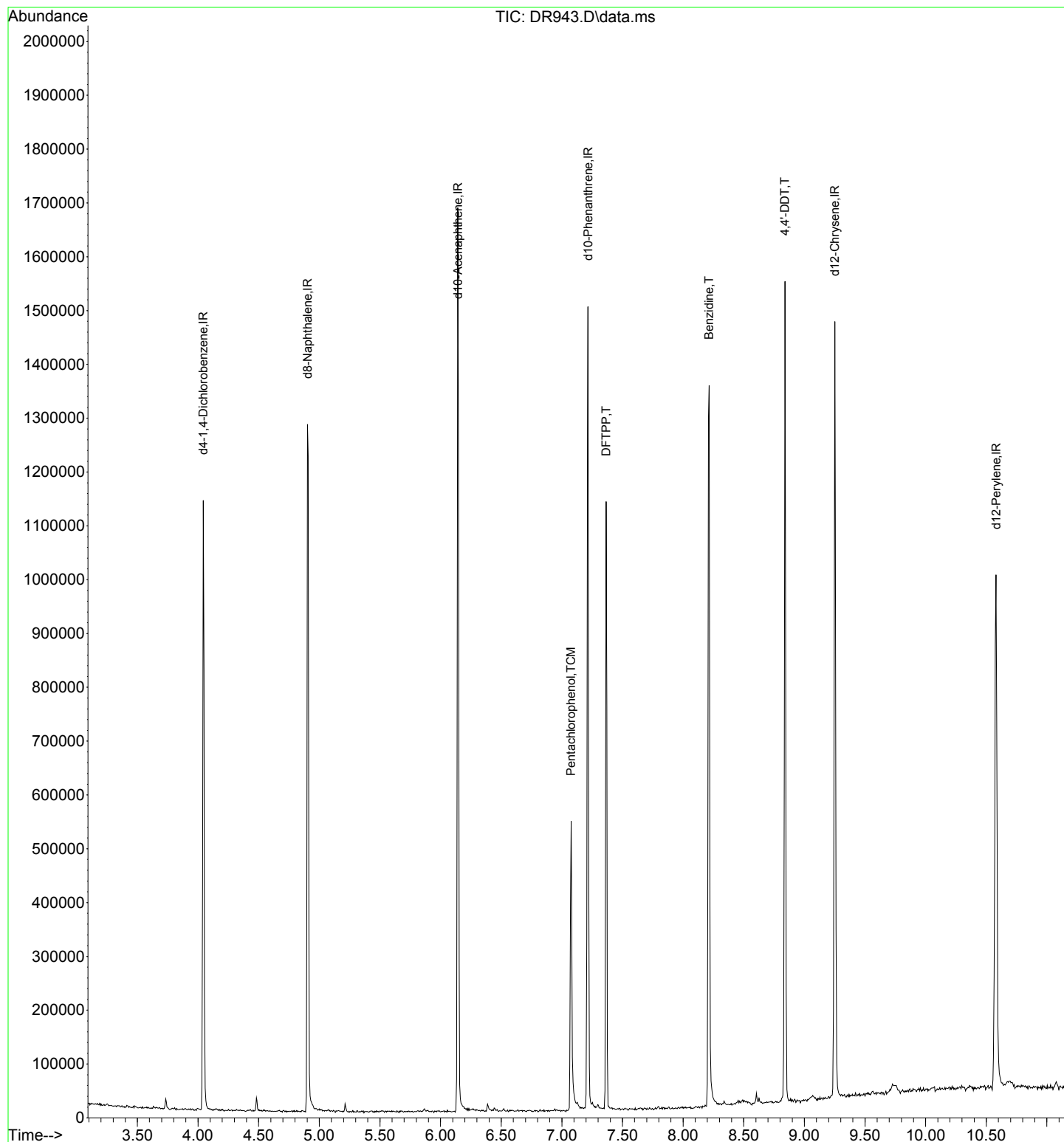
Quant Time: May 07 12:10:21 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.043	152	143540	40.00	ppm	0.00	
2) d8-Naphthalene	4.903	136	526747	40.00	ppm	0.00	
3) d10-Acenaphthene	6.142	164	270668	40.00	ppm	0.00	
4) d10-Phenanthrene	7.216	188	438867	40.00	ppm	0.00	
7) d12-Chrysene	9.251	240	400013	40.00	ppm	0.03	
12) d12-Perylene	10.581	264	390251	40.00	ppm	0.04	
Target Compounds							
5) Pentachlorophenol	7.077	266	56198	69.896	ppm		Qvalue 99
6) DFTPP	7.365	198	83619	48.847	ppm	#	62
8) Benzidine	8.215	184	467314	43.049	ppm		97
9) 4,4'-DDE	7.365	246	1380	N.D.			
10) 4,4'-DDD	8.604	235	2483	N.D.			
11) 4,4'-DDT	8.839	235	198585	46.132	ppm		91

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

Data Path : I:\ACQUDATA\5973A\DATA\050719\
Data File : DR943.D
Acq On : 7 May 2019 11:30 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

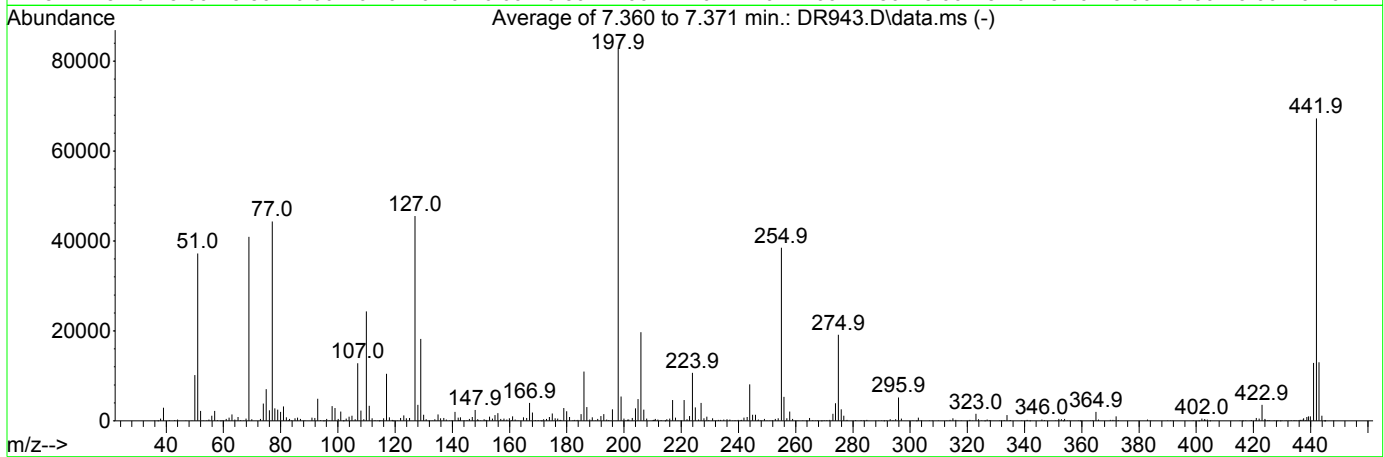
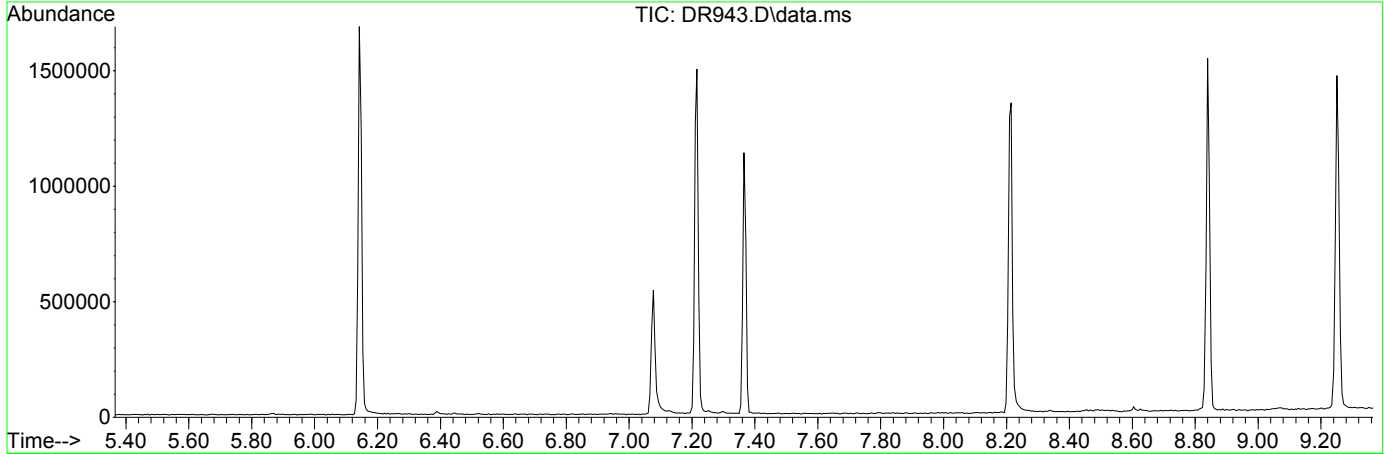
Quant Time: May 07 12:10:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR943.D
 Acq On : 7 May 2019 11:30 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



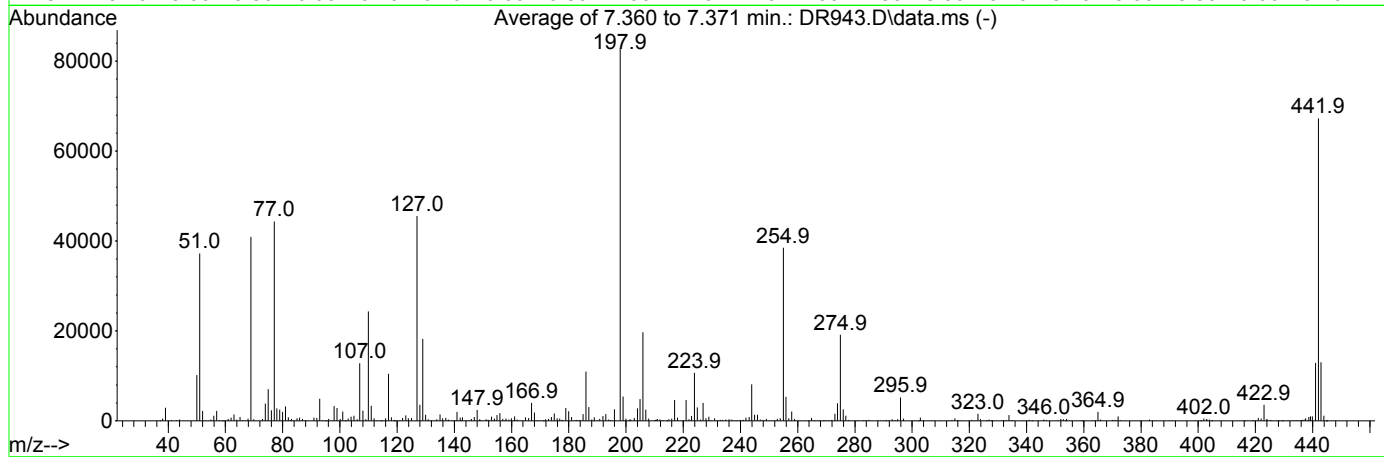
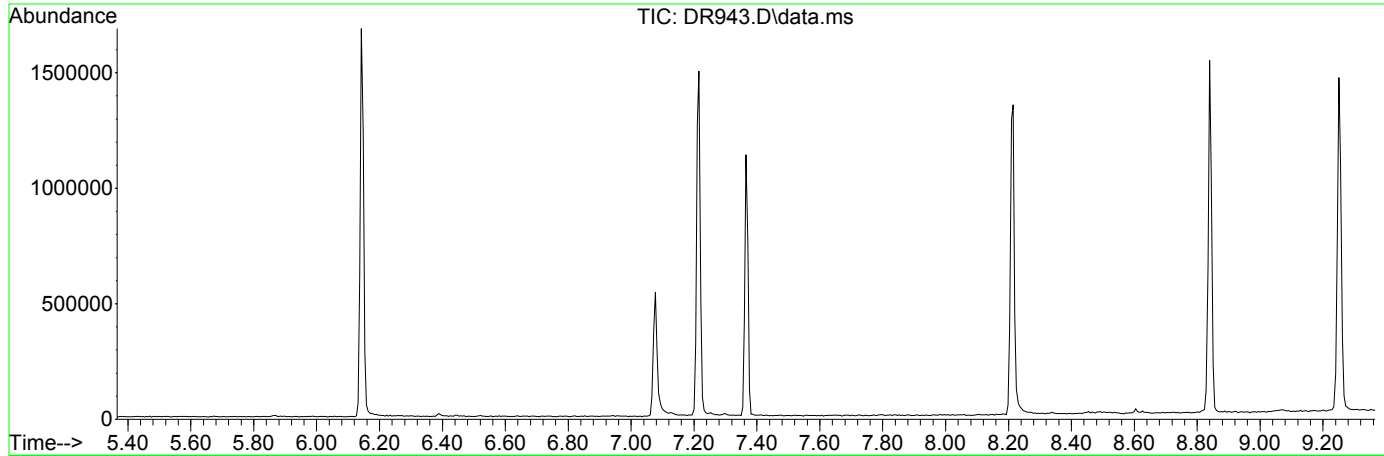
AutoFind: Scans 800, 801, 802; Background Corrected with Scan 796

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.0	37256	PASS
68	69	0.00	2	1.3	533	PASS
69	198	0.00	100	49.5	40935	PASS
70	69	0.00	2	0.8	327	PASS
127	198	40	60	55.0	45528	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	82779	PASS
199	198	5	9	6.5	5406	PASS
275	198	10	30	23.2	19171	PASS
365	198	1	500	2.4	2016	PASS
441	443	0.01	100	98.8	12872	PASS
442	198	50	500	81.3	67274	PASS
443	442	17	23	19.4	13029	PASS

Data Path : I:\ACQUDATA\5973A\DATA\050719\
 Data File : DR943.D
 Acq On : 7 May 2019 11:30 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019

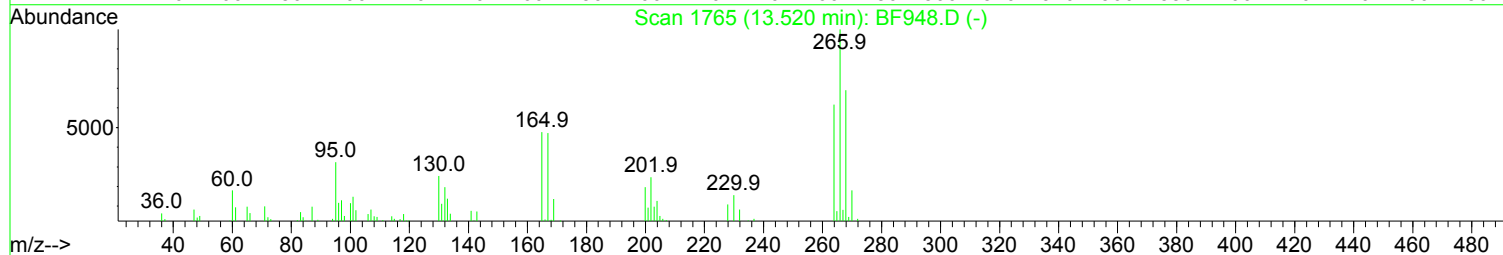
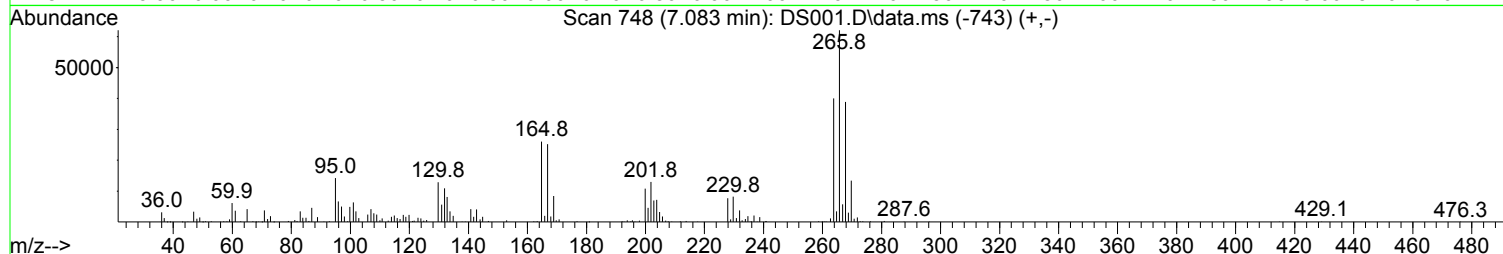
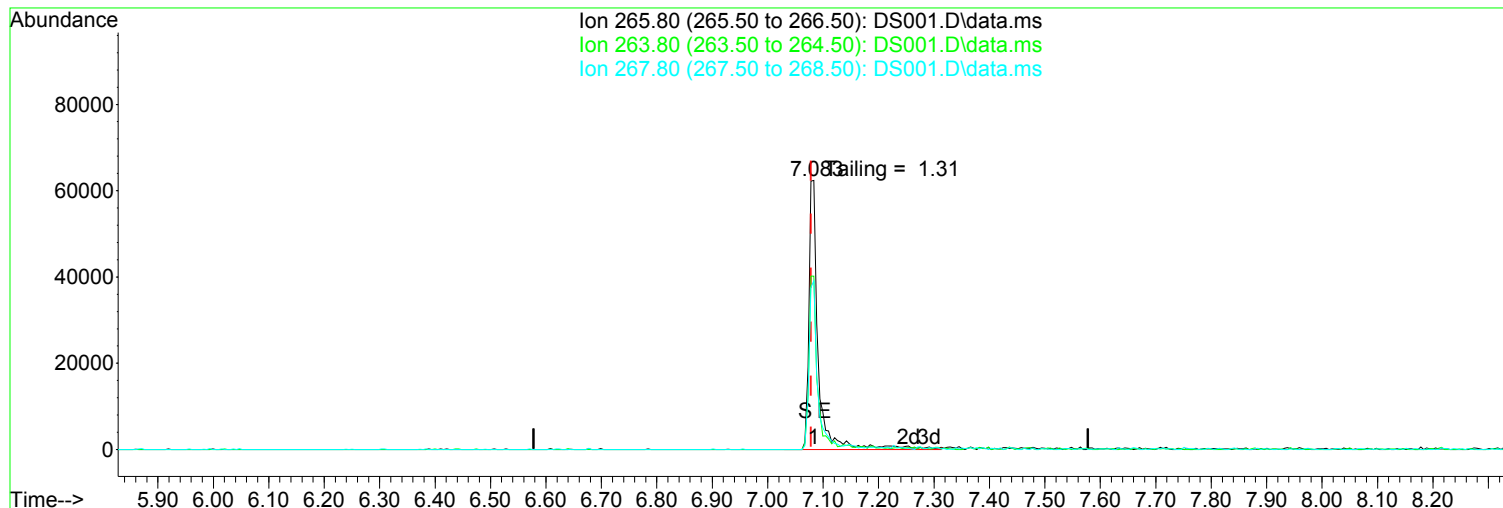


AutoFind: Scans 800, 801, 802; Background Corrected with Scan 796

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	37256	PASS
68	69	0.00	2	1.3	533	PASS
69	198	0.00	100	49.5	40935	PASS
70	69	0.00	2	0.8	327	PASS
127	198	10	80	55.0	45528	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	82779	PASS
199	198	5	9	6.5	5406	PASS
275	198	10	60	23.2	19171	PASS
365	198	1	500	2.4	2016	PASS
441	442	0.01	24	19.1	12872	PASS
442	442	100	100	100.0	67274	PASS
443	442	15	24	19.4	13029	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DS001.D\data.ms

(5) Pentachlorophenol (TCM)

Manual Integration:

7.083min (+ 0.005) 73.78 ppm

After

response 71991

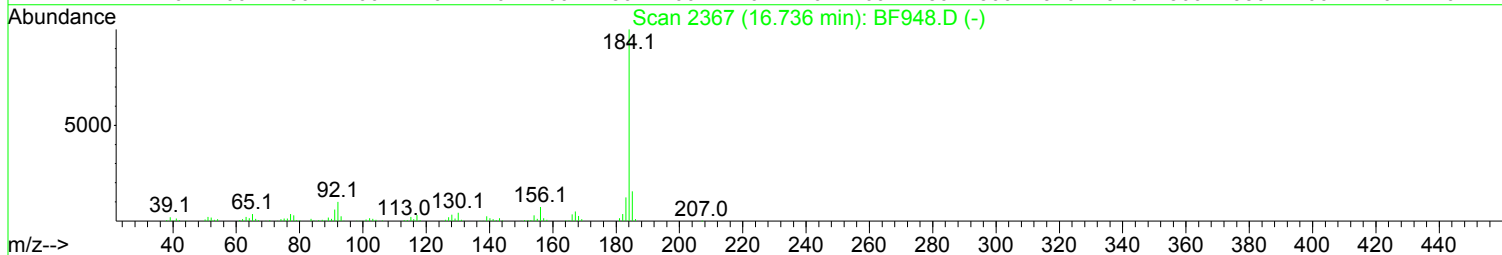
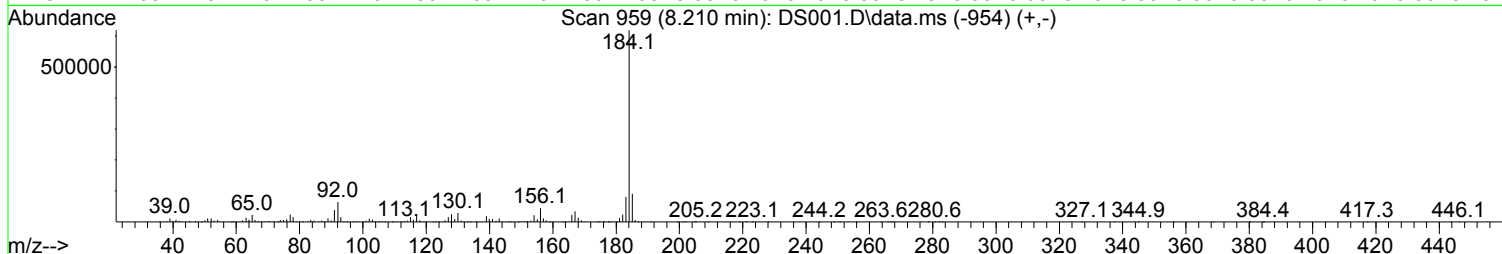
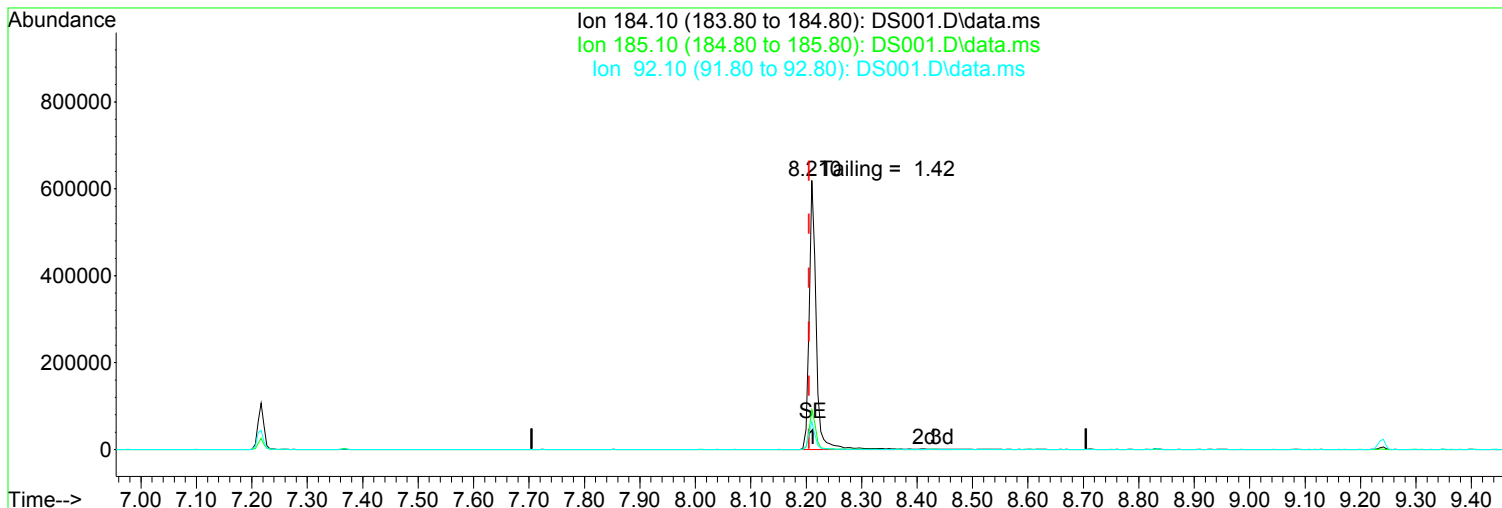
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	64.42
267.80	64.20	62.62
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DS001.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.210min (+ 0.005) 40.88 ppm

After

response 546995

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	14.74
92.10	10.10	10.37
0.00	0.00	0.00

05/14/19

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

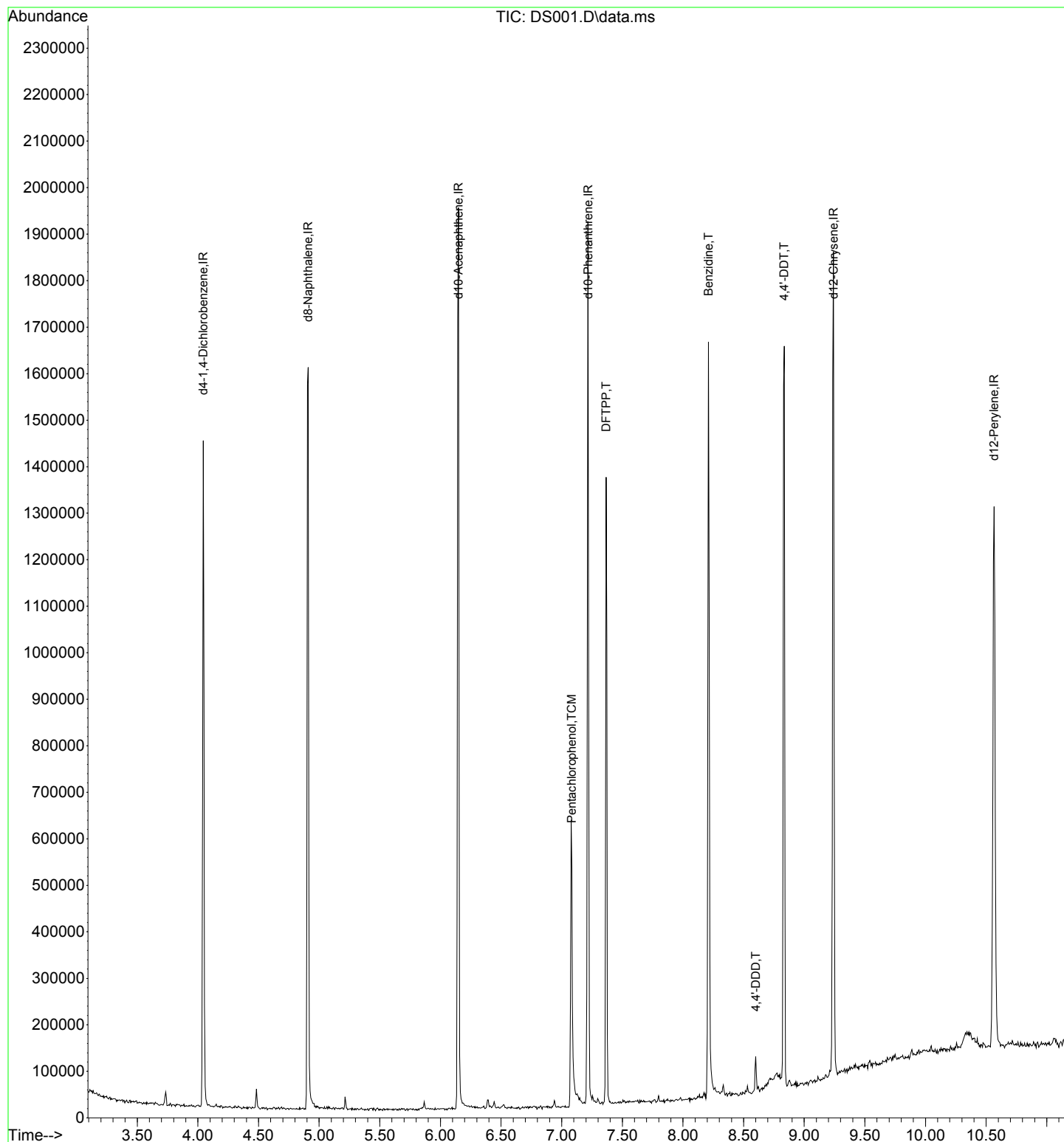
Quant Time: May 13 08:32:00 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.044	152	183714	40.00	ppm	0.00	
2) d8-Naphthalene	4.909	136	680406	40.00	ppm	0.00	
3) d10-Acenaphthene	6.149	164	333238	40.00	ppm	0.00	
4) d10-Phenanthrene	7.217	188	532632	40.00	ppm	0.00	
7) d12-Chrysene	9.241	240	493008	40.00	ppm	0.02	
12) d12-Perylene	10.566	264	507233	40.00	ppm	0.03	
Target Compounds							
5) Pentachlorophenol	7.083	266	71991	73.776	ppm		Qvalue 98
6) DFTPP	7.366	198	104133	50.122	ppm	#	59
8) Benzidine	8.210	184	546995	40.884	ppm		100
9) 4,4'-DDE	7.372	246	1779		N.D.		
10) 4,4'-DDD	8.600	235	11571	2.181	ppm		88
11) 4,4'-DDT	8.835	235	235801	44.444	ppm		98

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

Data Path : I:\ACQUDATA\5973A\DATA\051319\
Data File : DS001.D
Acq On : 13 May 2019 8:13 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

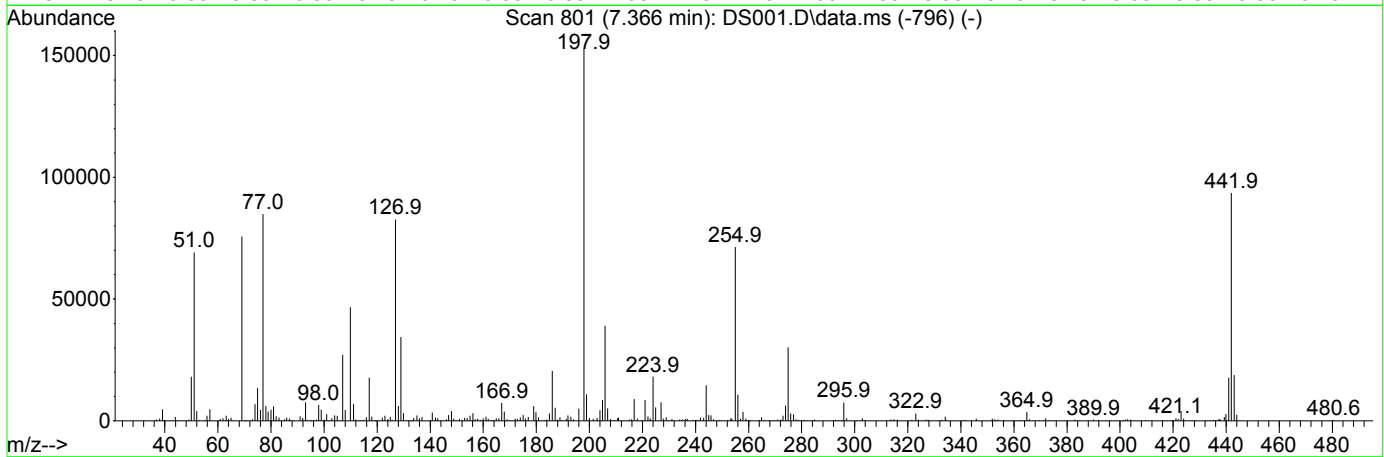
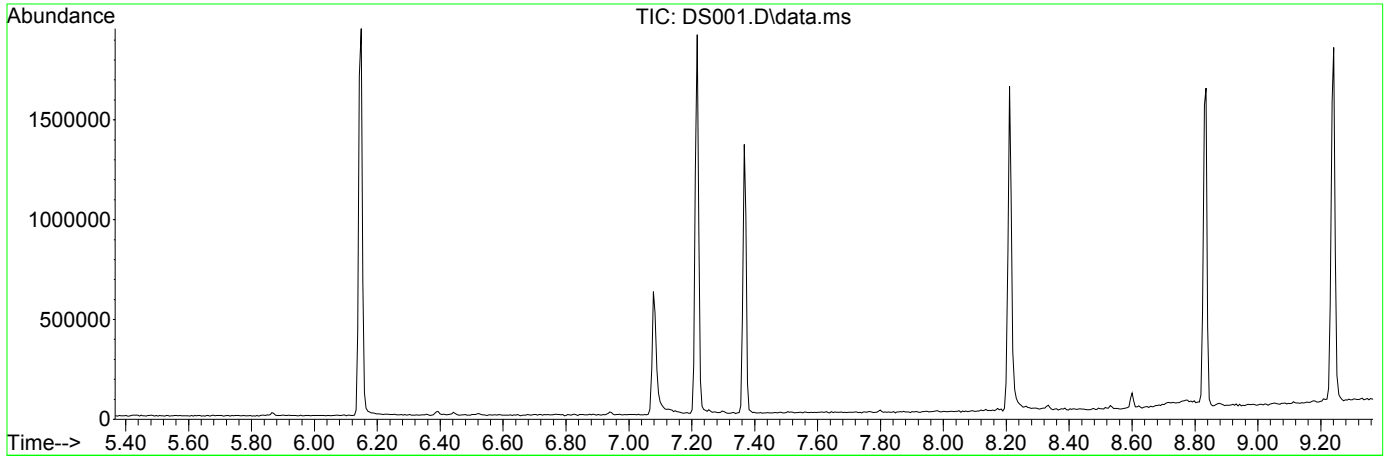
Quant Time: May 13 08:32:00 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



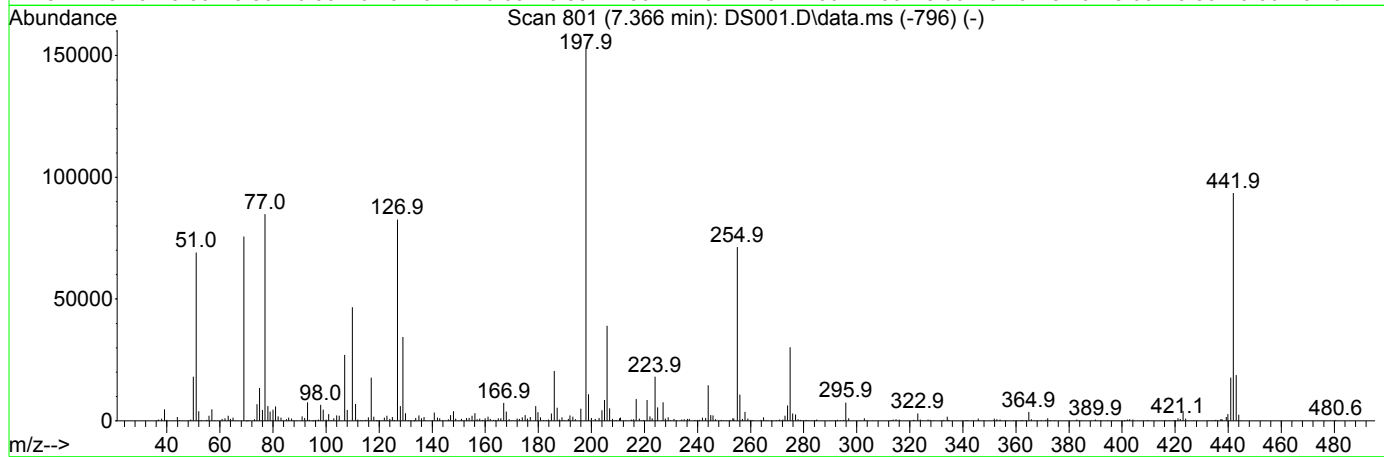
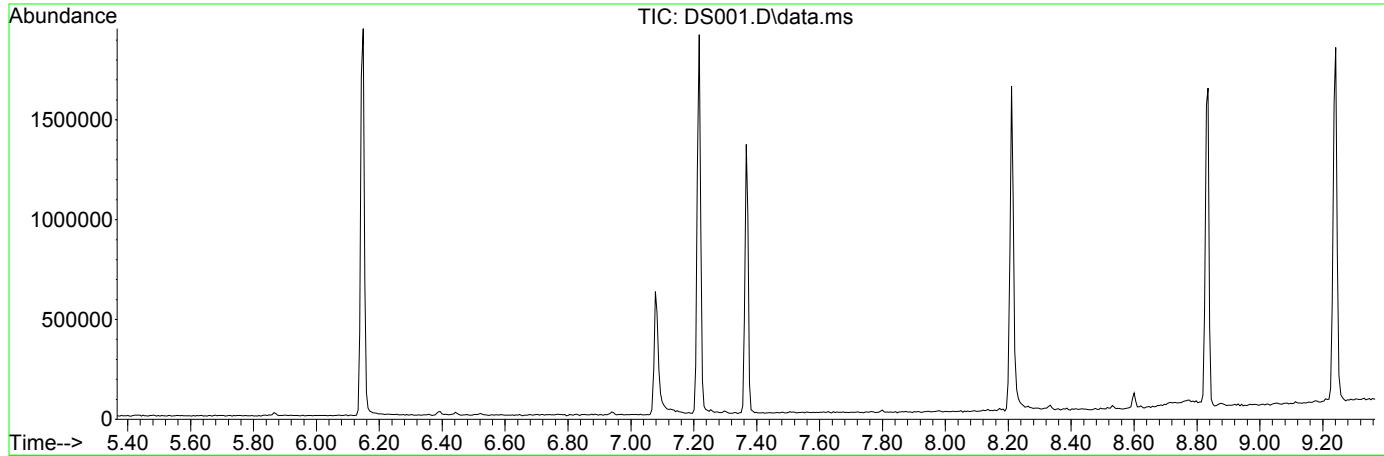
Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	40	60	54.1	82654	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	30	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	443	0.01	100	93.9	17704	PASS
442	198	50	500	61.3	93616	PASS
443	442	17	23	20.1	18856	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051319\
 Data File : DS001.D
 Acq On : 13 May 2019 8:13 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019

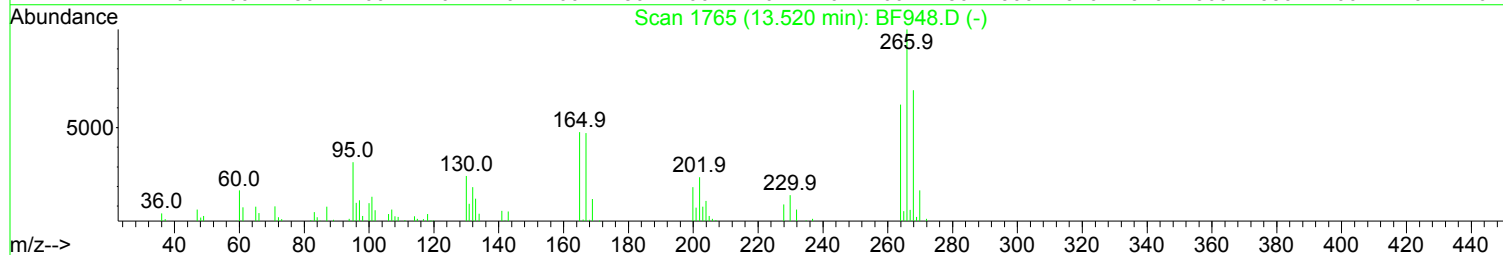
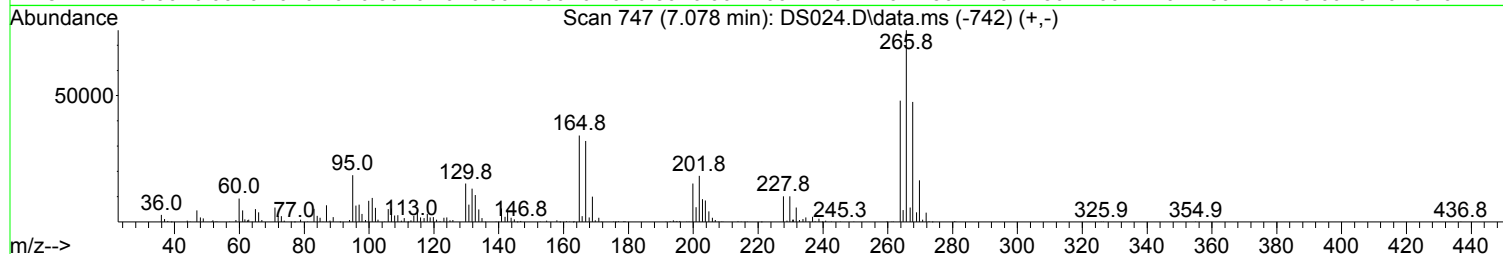
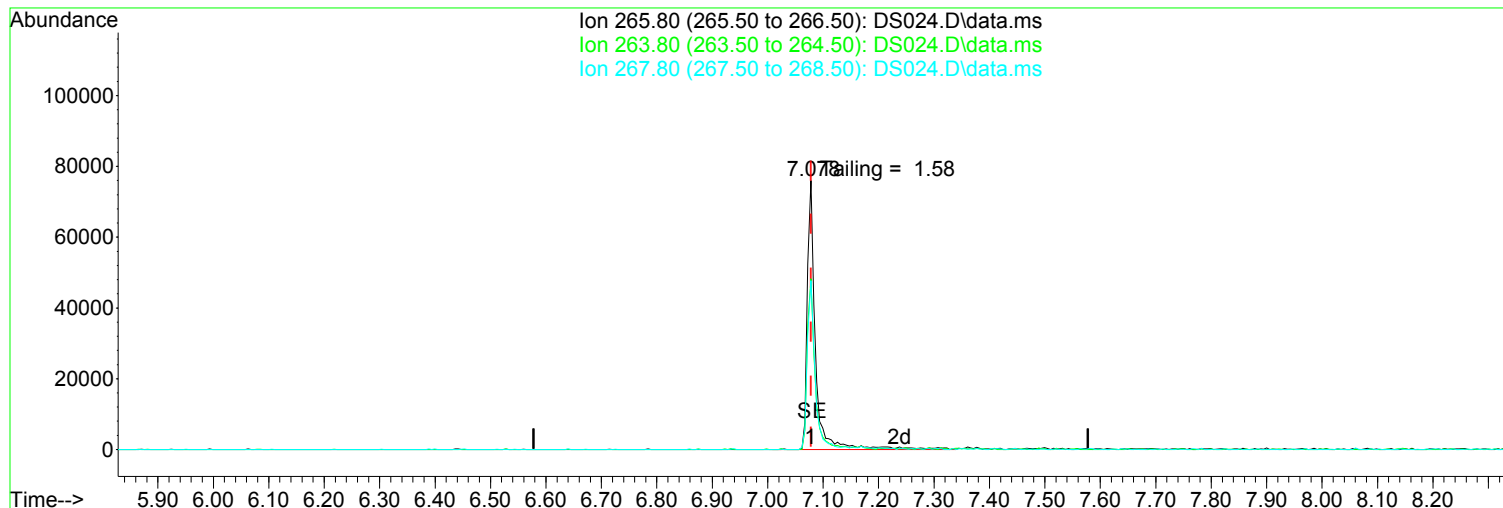


Spectrum Information: Scan 801

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.3	69158	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	49.5	75692	PASS
70	69	0.00	2	0.1	54	PASS
127	198	10	80	54.1	82654	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152792	PASS
199	198	5	9	7.1	10921	PASS
275	198	10	60	19.8	30272	PASS
365	198	1	500	2.4	3701	PASS
441	442	0.01	24	18.9	17704	PASS
442	442	100	100	100.0	93616	PASS
443	442	15	24	20.1	18856	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS024.D
Acq On : 15 May 2019 6:55 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 07:29:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 15 06:45:16 2019
Response via : Initial Calibration



TIC: DS024.D\data.ms

(5) Pentachlorophenol (TCM)

Manual Integration:

7.078min (-0.001) 74.32 ppm

After

response 76516

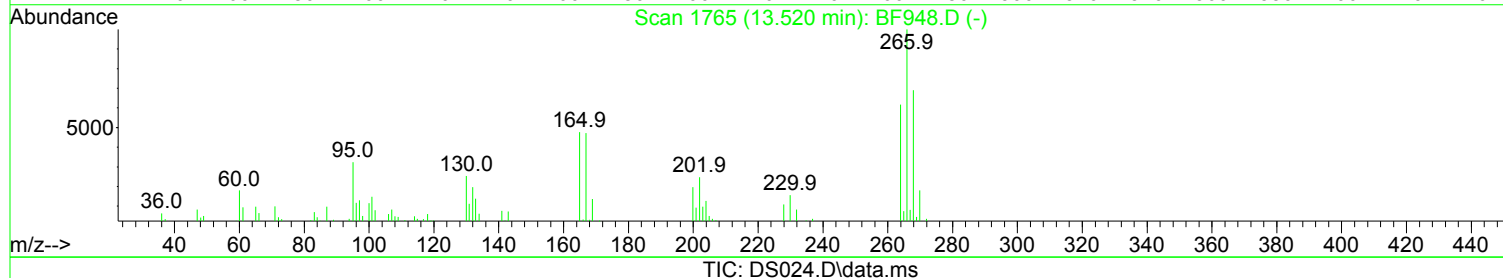
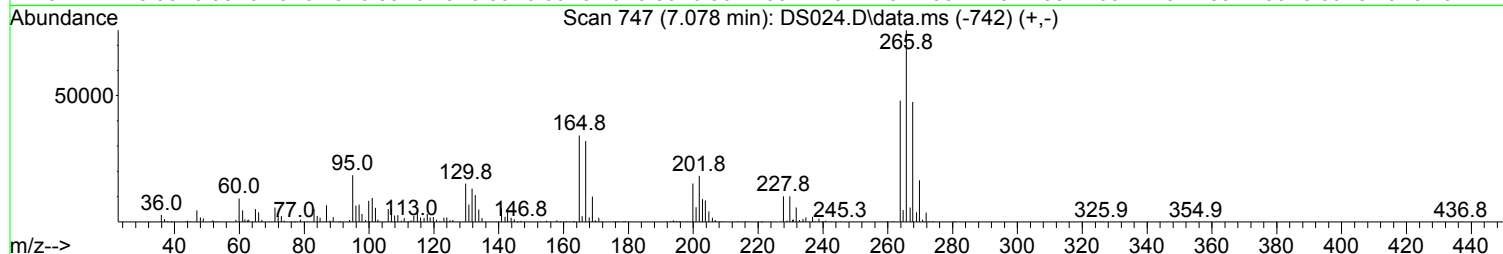
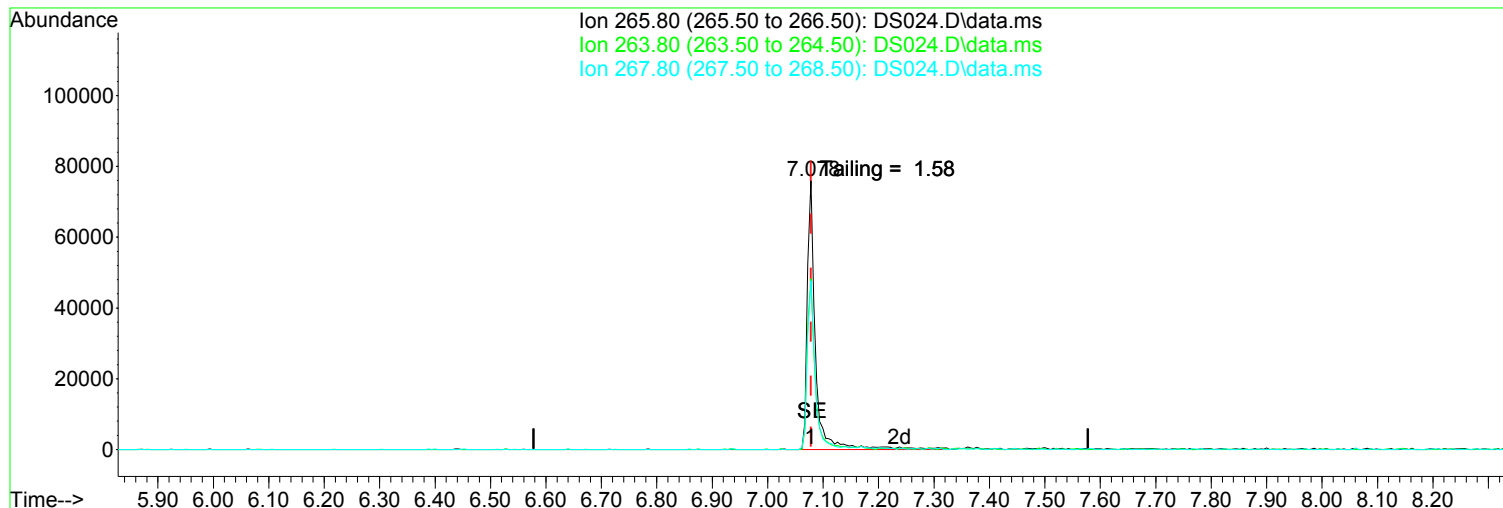
Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.36
267.80	64.20	62.65
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS024.D
Acq On : 15 May 2019 6:55 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 15 07:29:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 15 06:45:16 2019
Response via : Initial Calibration



(5) Pentachlorophenol (TCM)

Manual Integration:

7.078min (-0.001) 74.32 ppm

After

response 76516

Other - Tailing

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	63.36
267.80	64.20	62.65
0.00	0.00	0.00

05/15/19

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS024.D
 Acq On : 15 May 2019 6:55 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

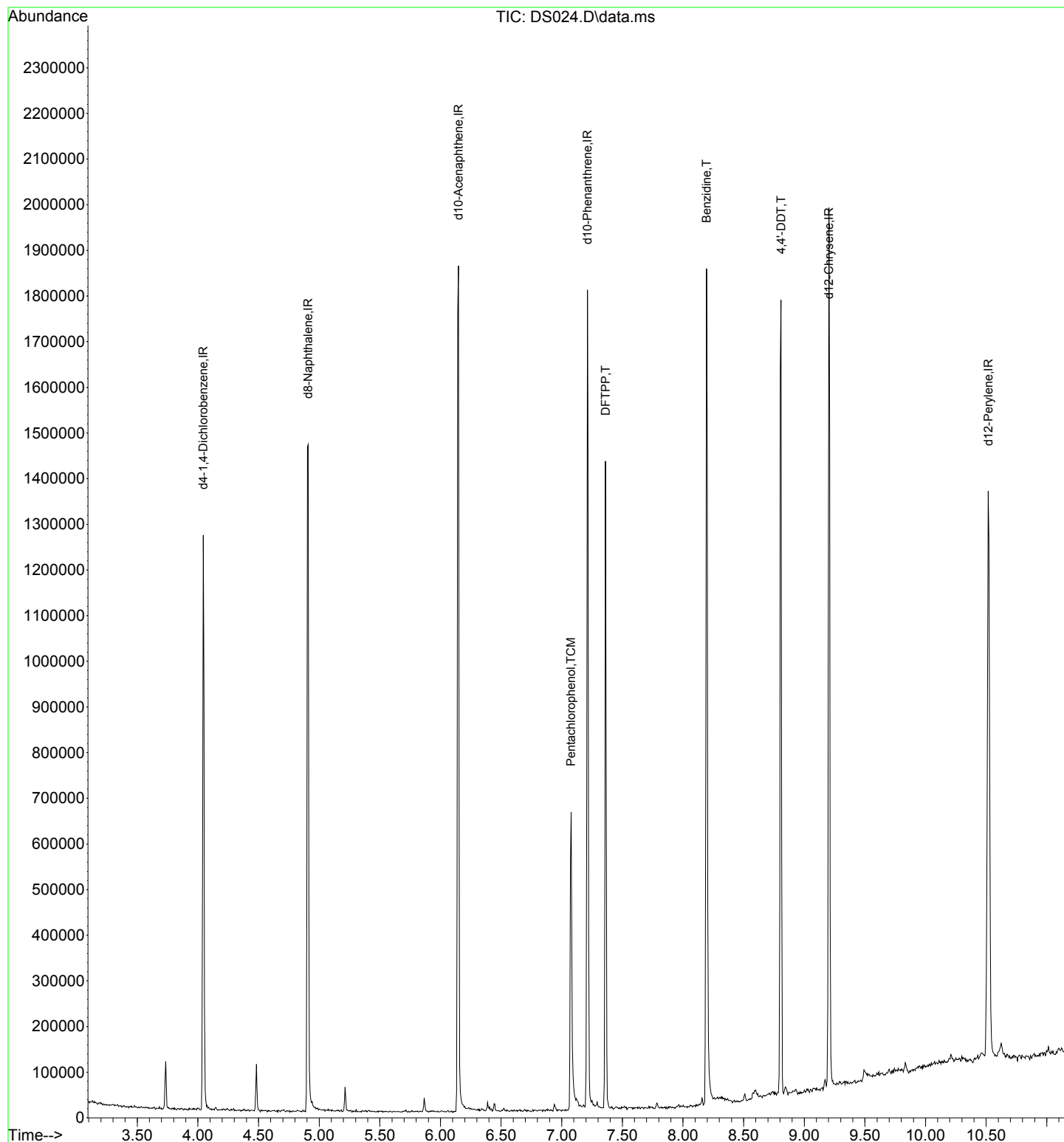
Quant Time: May 15 07:29:21 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 15 06:45:16 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.044	152	172188	40.00	ppm	0.00
2) d8-Naphthalene	4.909	136	659229	40.00	ppm	0.00
3) d10-Acenaphthene	6.148	164	342522	40.00	ppm	0.00
4) d10-Phenanthrene	7.211	188	562000	40.00	ppm	0.00
7) d12-Chrysene	9.203	240	521699	40.00	ppm	-0.02
12) d12-Perylene	10.517	264	535166	40.00	ppm	-0.02
Target Compounds						
5) Pentachlorophenol	7.078	266	76516	74.316	ppm	99
6) DFTPP	7.361	198	102992	46.982	ppm #	68
8) Benzidine	8.194	184	639702	45.184	ppm	100
9) 4,4'-DDE	7.361	246	1901	N.D.		
10) 4,4'-DDD	8.691	235	805	N.D.		
11) 4,4'-DDT	8.808	235	258995	46.131	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\051519\
Data File : DS024.D
Acq On : 15 May 2019 6:55 am
Operator : JMisiurewicz
Sample : TUNE
Misc : 50 ng DFTPP
ALS Vial : 2 Sample Multiplier: 1

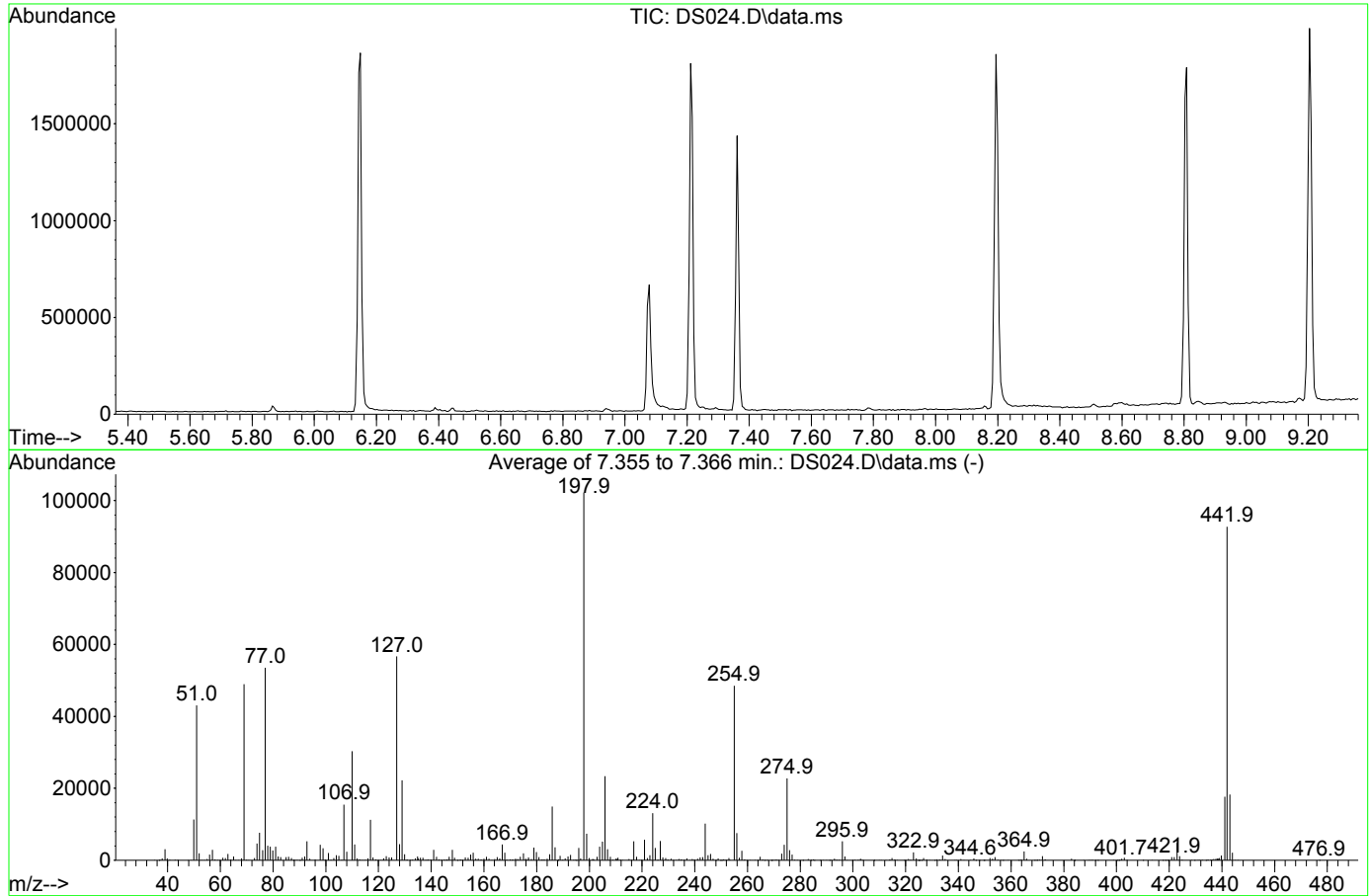
Quant Time: May 15 07:29:21 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 15 06:45:16 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS024.D
 Acq On : 15 May 2019 6:55 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



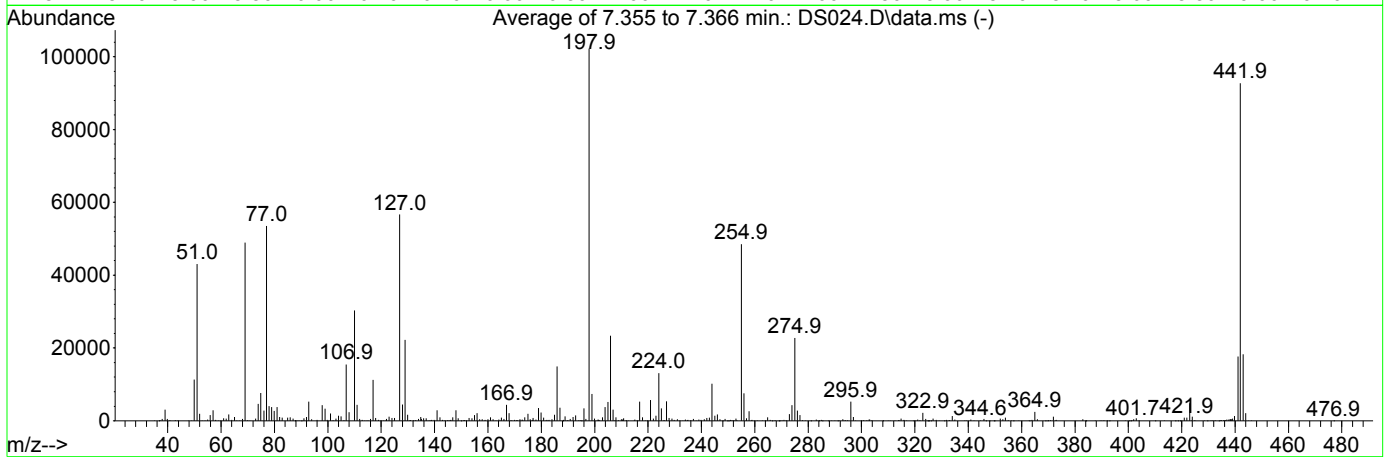
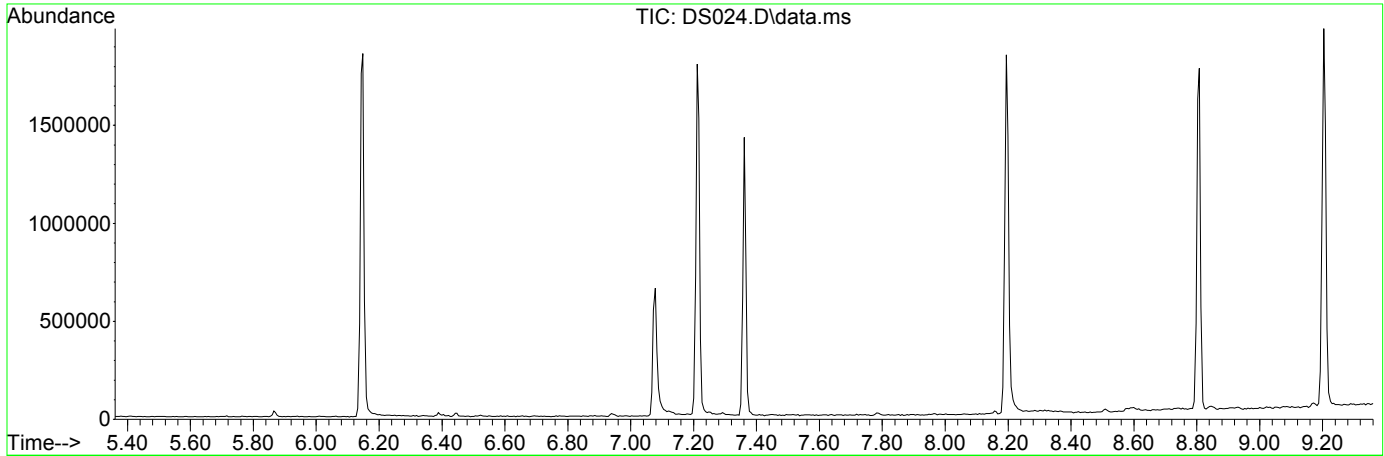
AutoFind: Scans 799, 800, 801; Background Corrected with Scan 795

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	43037	PASS
68	69	0.00	2	1.1	553	PASS
69	198	0.00	100	47.9	48995	PASS
70	69	0.00	2	0.5	222	PASS
127	198	40	60	55.4	56664	PASS
197	198	0.00	1	0.6	575	PASS
198	198	100	100	100.0	102195	PASS
199	198	5	9	7.2	7360	PASS
275	198	10	30	22.3	22762	PASS
365	198	1	500	2.4	2481	PASS
441	443	0.01	100	96.9	17668	PASS
442	198	50	500	90.8	92747	PASS
443	442	17	23	19.7	18242	PASS

Data Path : I:\ACQUDATA\5973A\DATA\051519\
 Data File : DS024.D
 Acq On : 15 May 2019 6:55 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc : 50 ng DFTPP
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 15 06:45:16 2019



AutoFind: Scans 799, 800, 801; Background Corrected with Scan 795

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	43037	PASS
68	69	0.00	2	1.1	553	PASS
69	198	0.00	100	47.9	48995	PASS
70	69	0.00	2	0.5	222	PASS
127	198	10	80	55.4	56664	PASS
197	198	0.00	2	0.6	575	PASS
198	198	100	100	100.0	102195	PASS
199	198	5	9	7.2	7360	PASS
275	198	10	60	22.3	22762	PASS
365	198	1	500	2.4	2481	PASS
441	442	0.01	24	19.0	17668	PASS
442	442	100	100	100.0	92747	PASS
443	442	15	24	19.7	18242	PASS

Data Path : I:\ACQUADATA\5973A\DATA\043019\
 Data File : DR849.D
 Acq On : 30 Apr 2019 3:07 pm
 Operator : JMisiurewicz
 Sample : ICV #2
 Misc : Initial Calibration 8270/625
 ALS Vial : 15 Sample Multiplier: 1

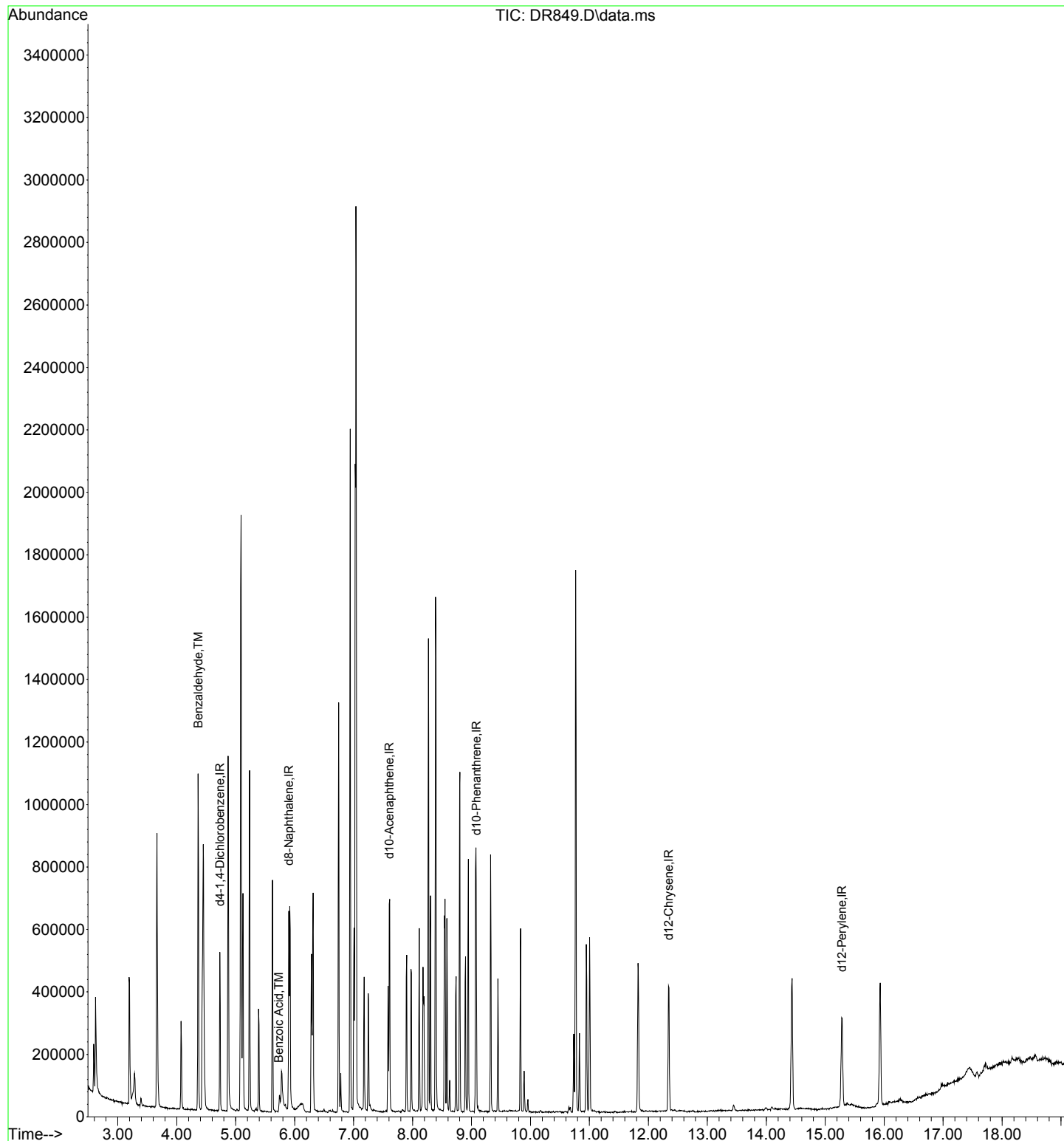
Quant Time: May 01 09:47:54 2019
 Quant Method : I:\ACQUADATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	75760	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	298754	40.00	ppm	0.00
57) d10-Acenaphthene	7.605	164	141156	40.00	ppm	0.00
91) d10-Phenanthrene	9.079	188	204774	40.00	ppm	0.00
117) d12-Chrysene	12.343	240	188234	40.00	ppm	-0.01
135) d12-Perylene	15.280	264	175777	40.00	ppm	-0.01
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0d	0.00	ppm	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.00%#
12) SURR2,PHENOL-D6	0.000	99	0d	0.00	ppm	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.00%#
34) SURR4,NITROBENZENE-D5	0.000	82	0d	0.00	ppm	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	0.00%#
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0d	0.00	ppm	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	0.00%#
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0d	0.00	ppm	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	0.00%#
124) SURR6,TERPHENYL-D14	0.000	244	0d	0.00	ppm	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	0.00%#
Target Compounds						
10) Benzaldehyde	4.363	106	214050	110.451	ppm	99
41) Benzoic Acid	5.730	105	9800m	22.984	ppm	

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

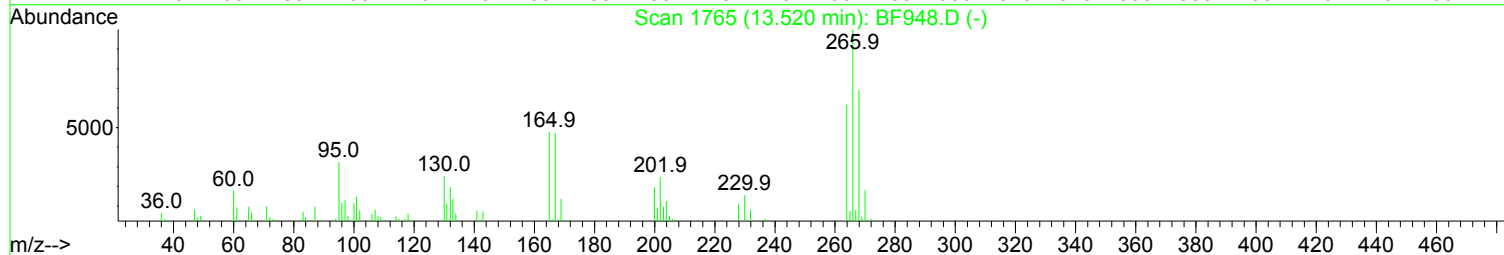
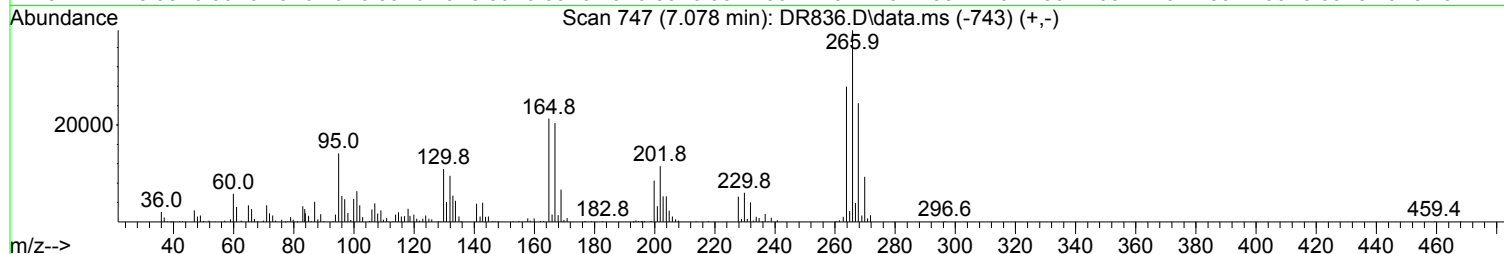
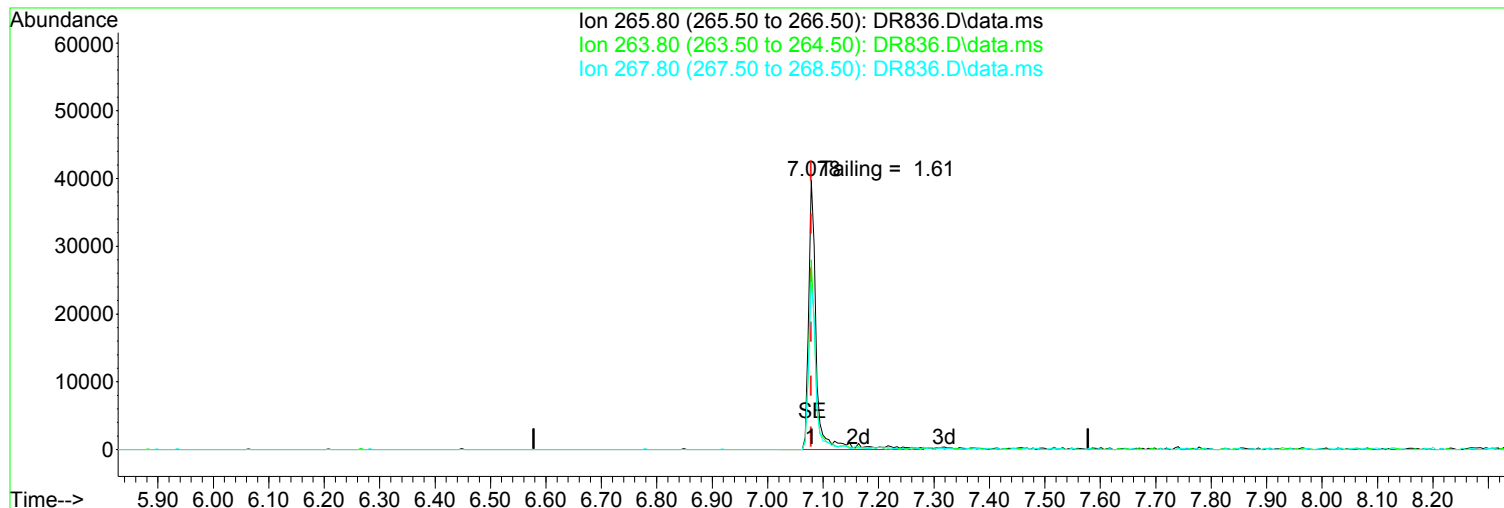
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR836.D\data.ms

(5) Pentachlorophenol (TCM)

7.078min (0.000) 50.00 ppm

response 36430

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	63.50	70.63
267.80	64.20	61.87
0.00	0.00	0.00

Manual Integration:

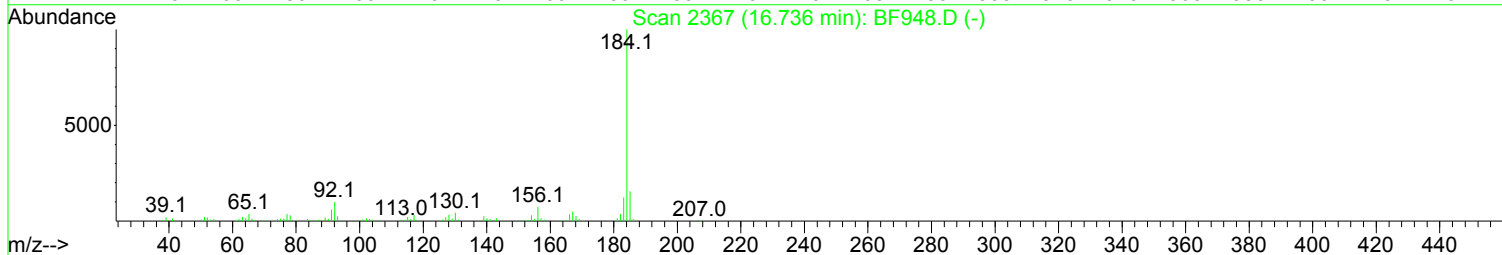
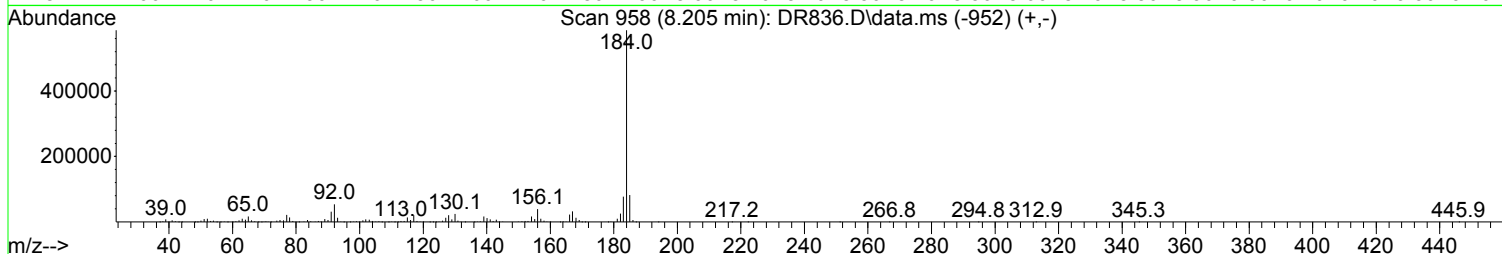
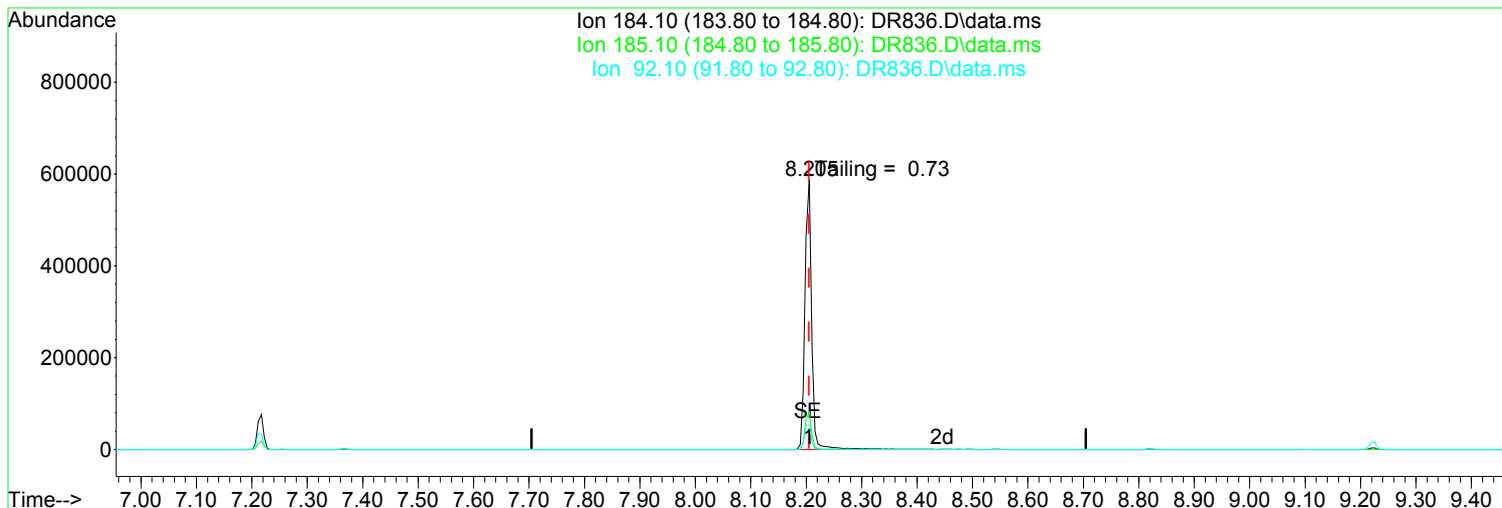
After

Other - Tailing

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



TIC: DR836.D\data.ms

(8) Benzidine (T)

Manual Integration:

8.205min (0.000) 50.00 ppm

After

response 490286

Other - Tailing

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	14.80	13.97
92.10	10.10	9.18
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

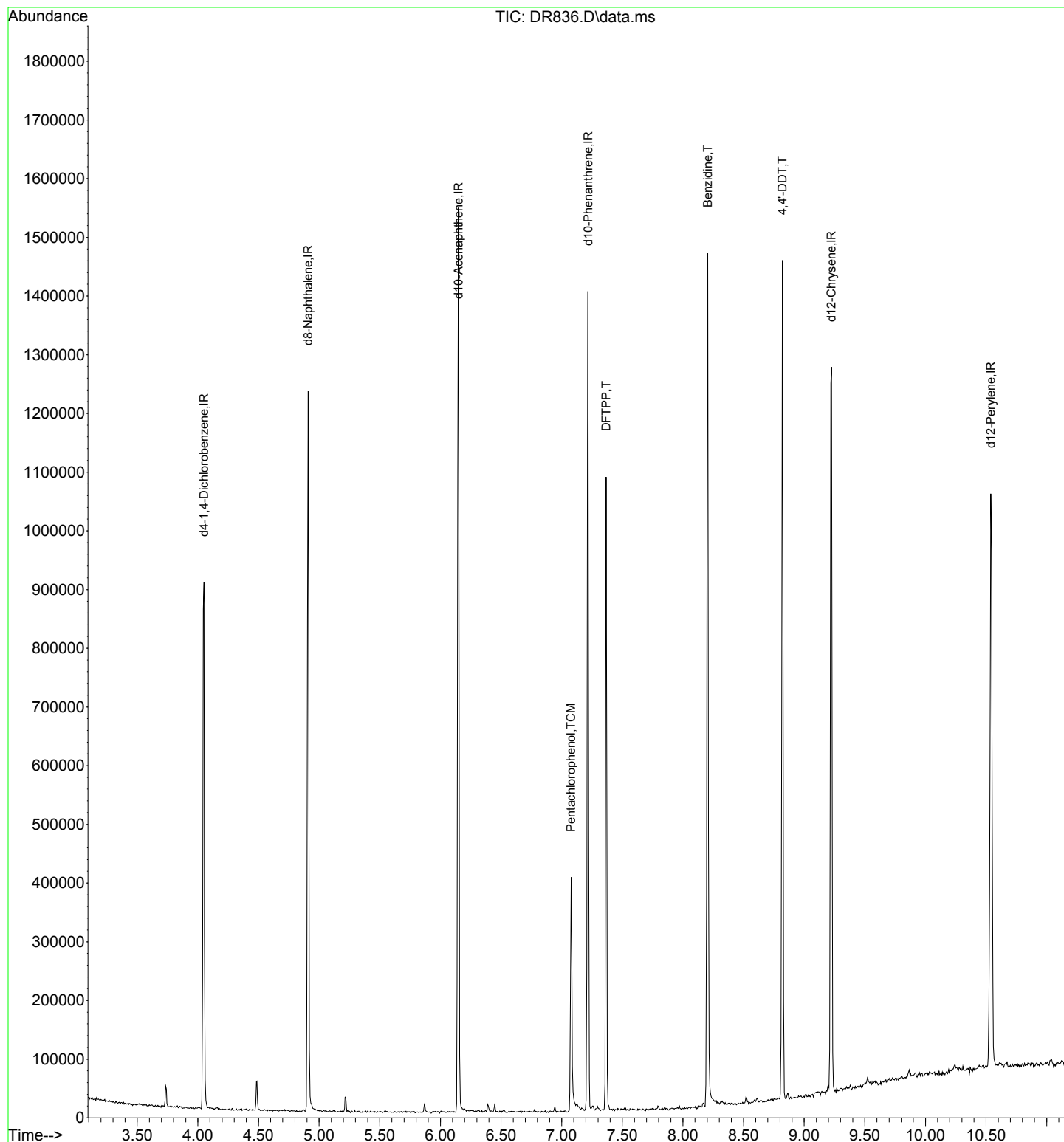
Quant Time: May 01 08:04:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Quant Title : TUNE CHECK
 QLast Update : Wed May 01 08:03:48 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.050	152	127514	40.00	ppm	0.00	
2) d8-Naphthalene	4.910	136	472511	40.00	ppm	0.00	
3) d10-Acenaphthene	6.149	164	249171	40.00	ppm	0.00	
4) d10-Phenanthrene	7.217	188	397699	40.00	ppm	0.00	
7) d12-Chrysene	9.225	240	361333	40.00	ppm	0.00	
12) d12-Perylene	10.539	264	366094	40.00	ppm	0.00	
Target Compounds							
5) Pentachlorophenol	7.078	266	36430	50.000	ppm		Qvalue 94
6) DF'PPP	7.367	198	77564	50.000	ppm	#	60
8) Benzidine	8.205	184	490286	50.000	ppm		98
9) 4,4'-DDE	7.367	246	1344	N.D.			
10) 4,4'-DDD	8.611	235	1155	N.D.			
11) 4,4'-DDT	8.819	235	194425	50.000	ppm		92

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR836.D
Acq On : 30 Apr 2019 8:01 am
Operator : JMisiurewicz
Sample : TUNE
Misc :
ALS Vial : 2 Sample Multiplier: 1

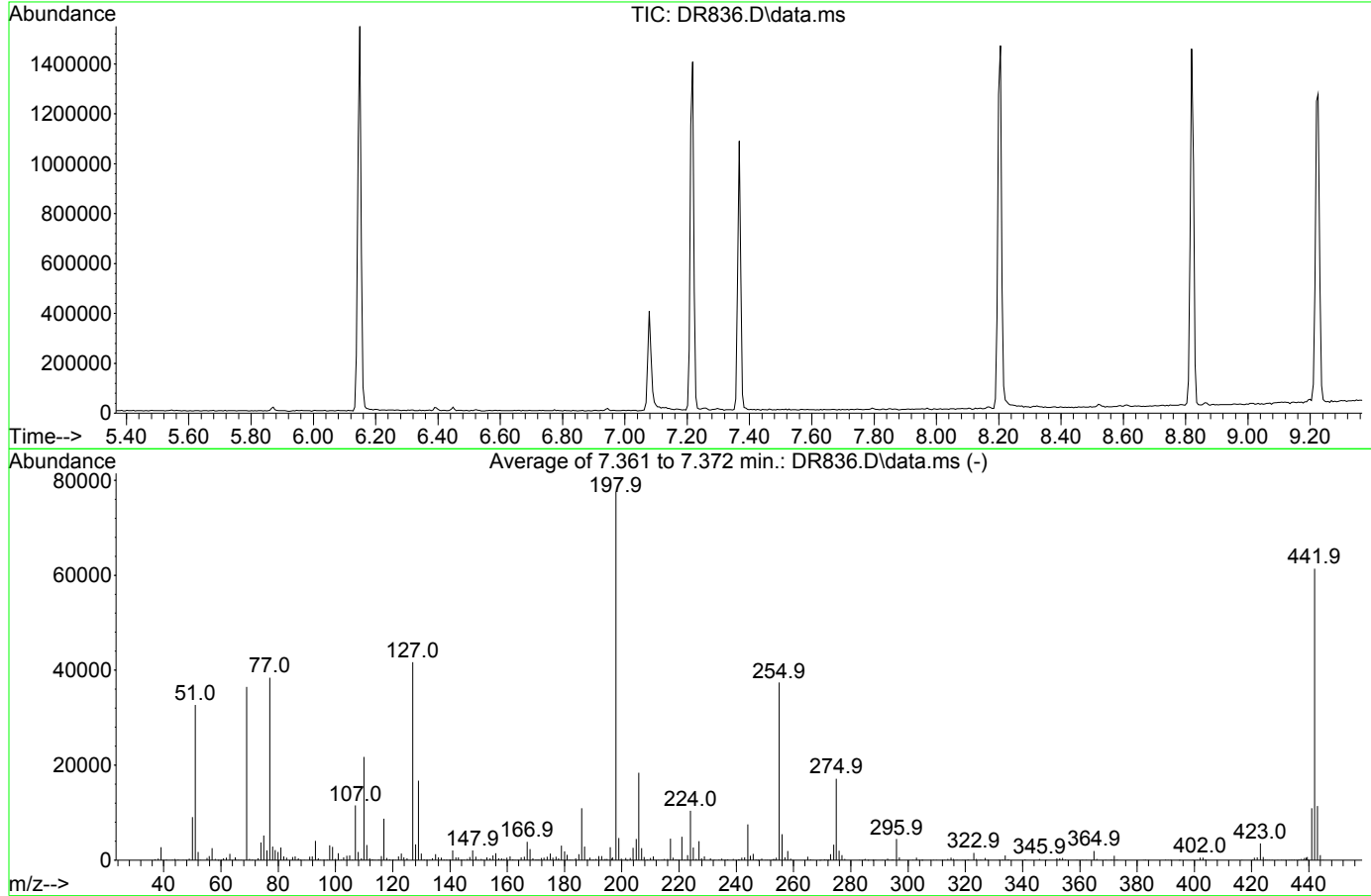
Quant Time: May 01 08:04:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
Quant Title : TUNE CHECK
QLast Update : Wed May 01 08:03:48 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNCHECK.M
 Title : TUNE CHECK
 Last Update : Wed Oct 03 16:33:08 2012



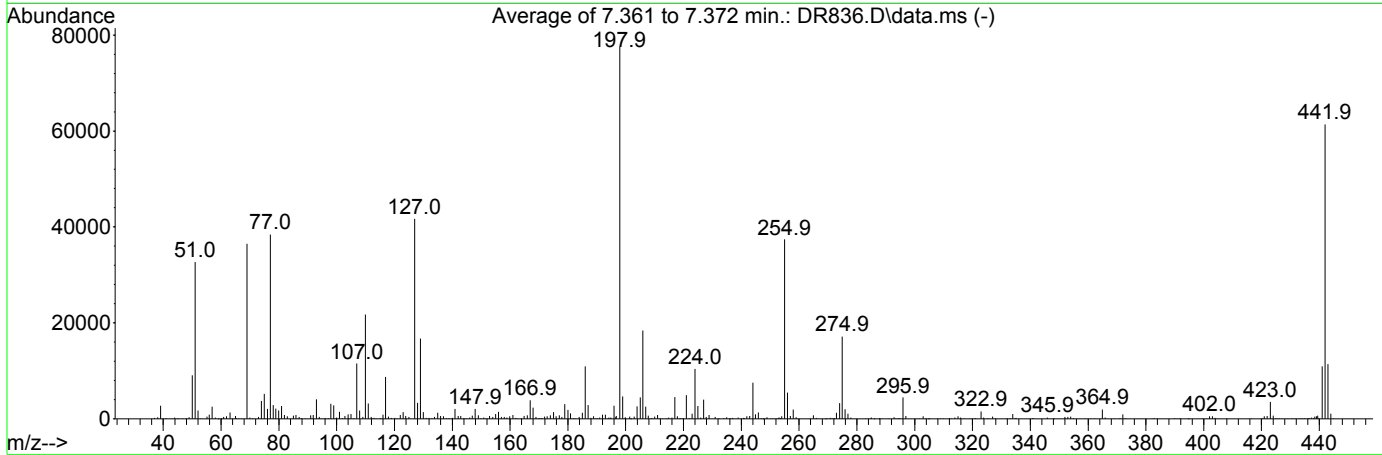
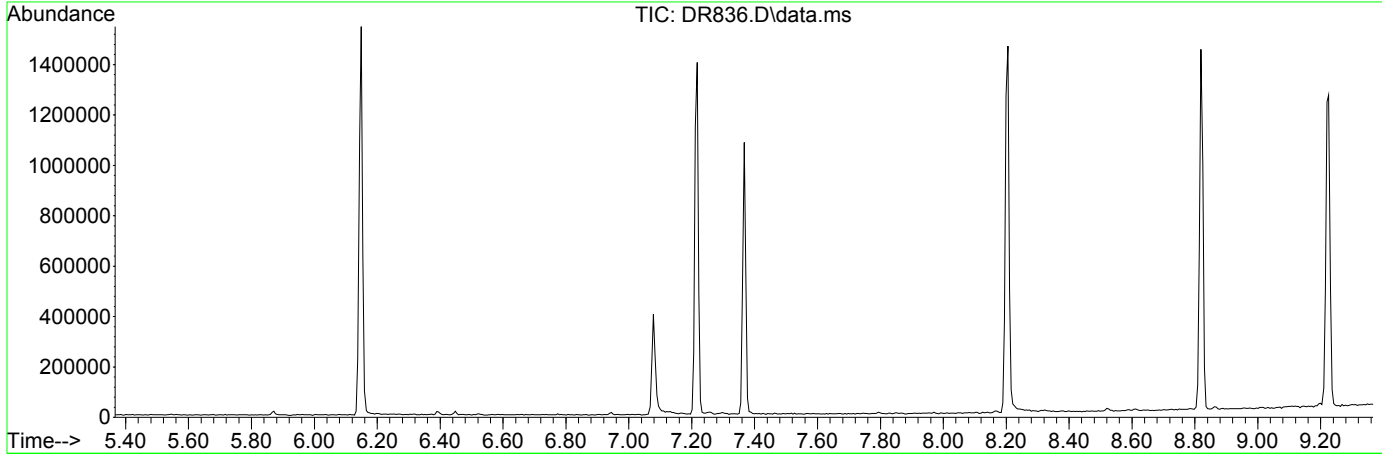
AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	40	60	53.7	41683	PASS
197	198	0.00	1	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	30	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	443	0.01	100	95.6	10928	PASS
442	198	50	500	79.1	61379	PASS
443	442	17	23	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR836.D
 Acq On : 30 Apr 2019 8:01 am
 Operator : JMisiurewicz
 Sample : TUNE
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\ACQUDATA\5973A\METHODS\TUNED.M
 Title : TUNE CHECK
 Last Update : Wed May 01 08:03:48 2019



AutoFind: Scans 800, 801, 802; Background Corrected with Scan 793

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	36473	PASS
70	69	0.00	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0.00	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	500	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR838.D
 Acq On : 30 Apr 2019 9:12 am
 Operator : JMisiurewicz
 Sample : BLK
 Misc : Initial Calibration 8270/625
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108718	40.00	ppm	0.00
33) d8-Naphthalene	5.900	136	409285	40.00	ppm	0.00
57) d10-Acenaphthene	7.609	164	209821	40.00	ppm	0.00
91) d10-Phenanthrene	9.083	188	331611	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296997	40.00	ppm	0.00
135) d12-Perylene	15.295	264	302062	40.00	ppm	0.00

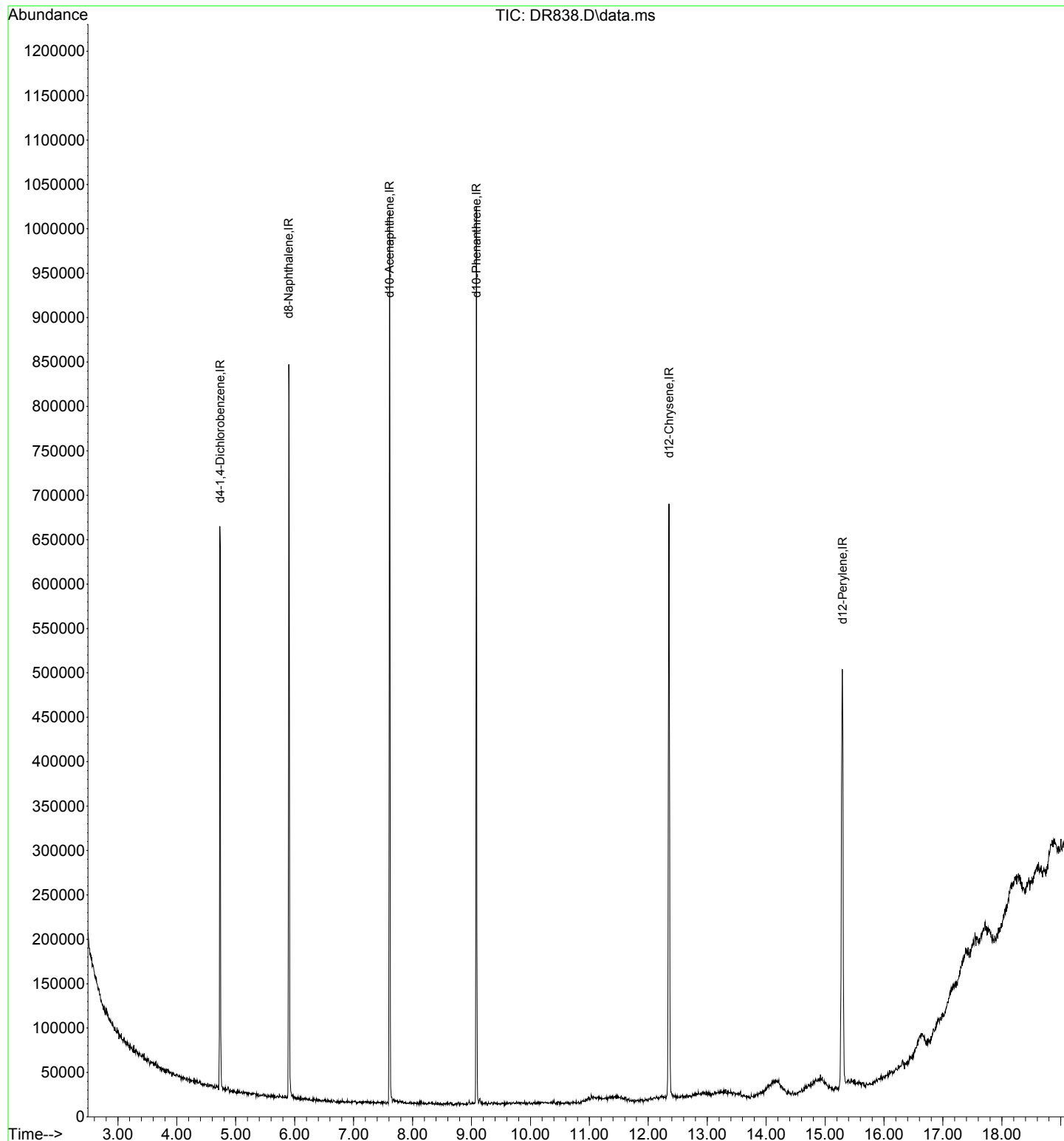
System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	0.000	112	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.00%#
12) SURR2,PHENOL-D6	0.000	99	0	0.00	ppm	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.00%#
34) SURR4,NITROBENZENE-D5	5.238	82	161	0.04	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	0.08%#
63) SURR5,2-FLUOROBIPHENYL	0.000	172	0	0.00	ppm	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	0.00%#
88) SURR3,2,4,6-TRIBROMOPH...	0.000	330	0	0.00	ppm	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	0.00%#
124) SURR6,TERPHENYL-D14	10.776	244	163	0.02	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	0.04%#

Target Compounds Qvalue

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

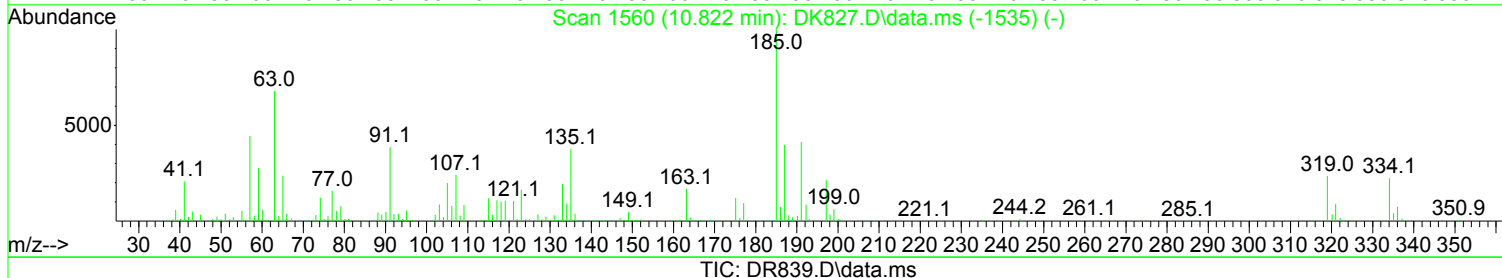
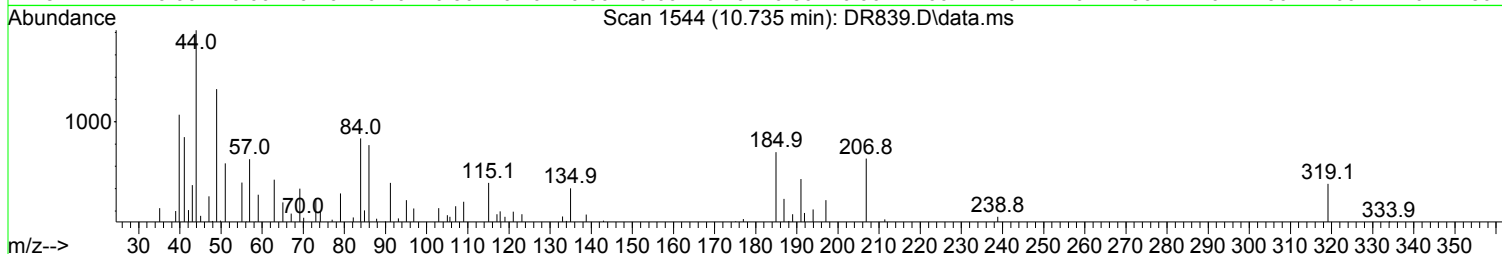
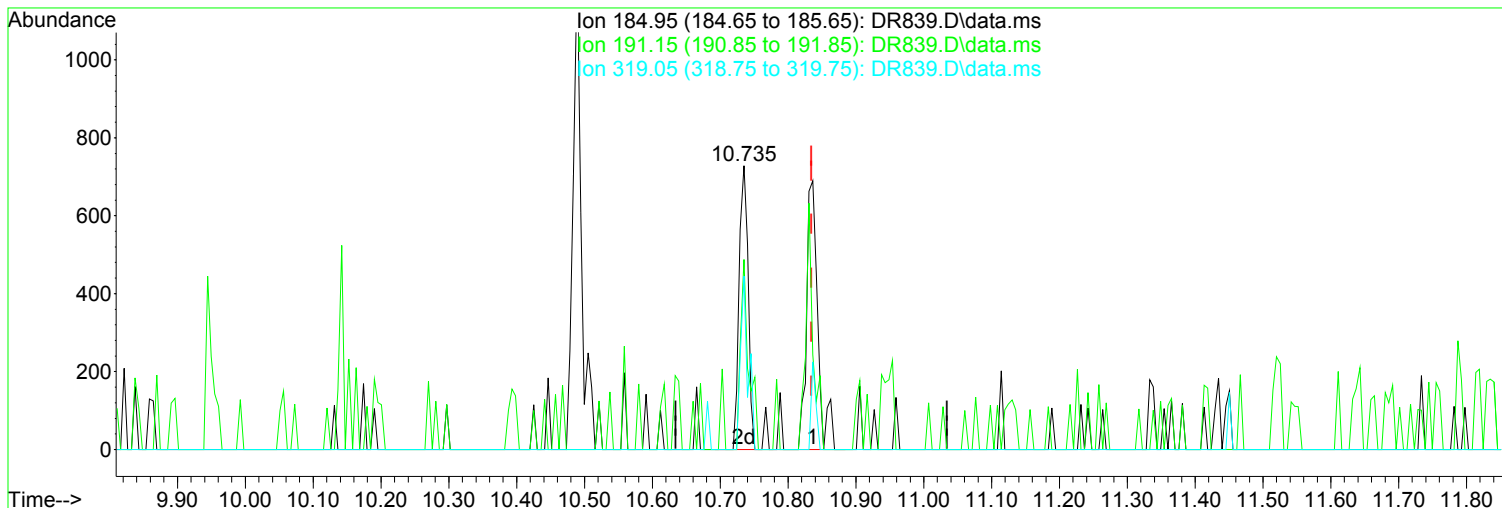
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR838.D
Acq On : 30 Apr 2019 9:12 am
Operator : JMisiurewicz
Sample : BLK
Misc : Initial Calibration 8270/625
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 11:05:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.735min (-0.100) 1.05 ppm m

After

response 1552

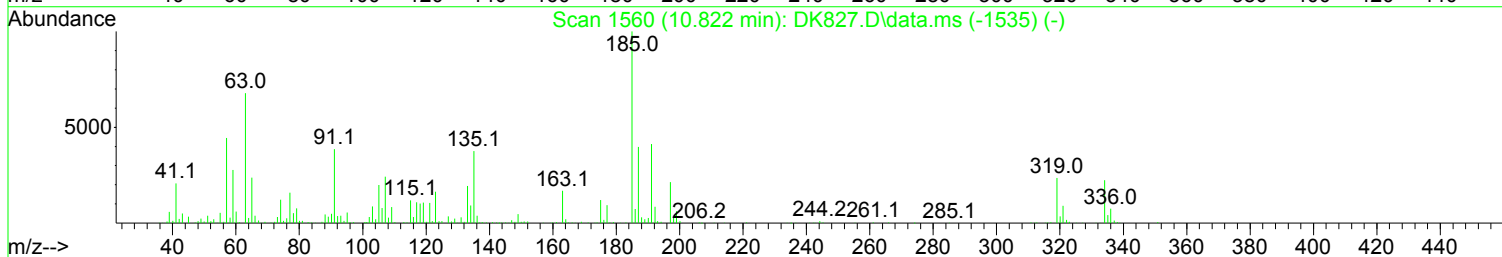
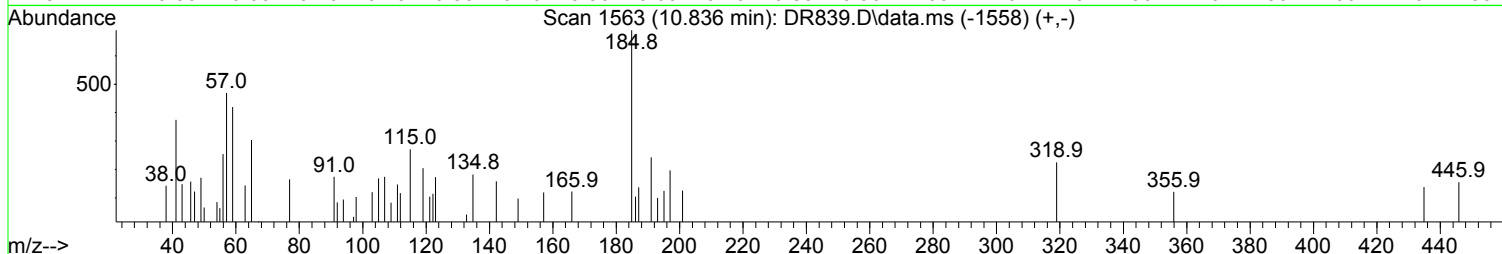
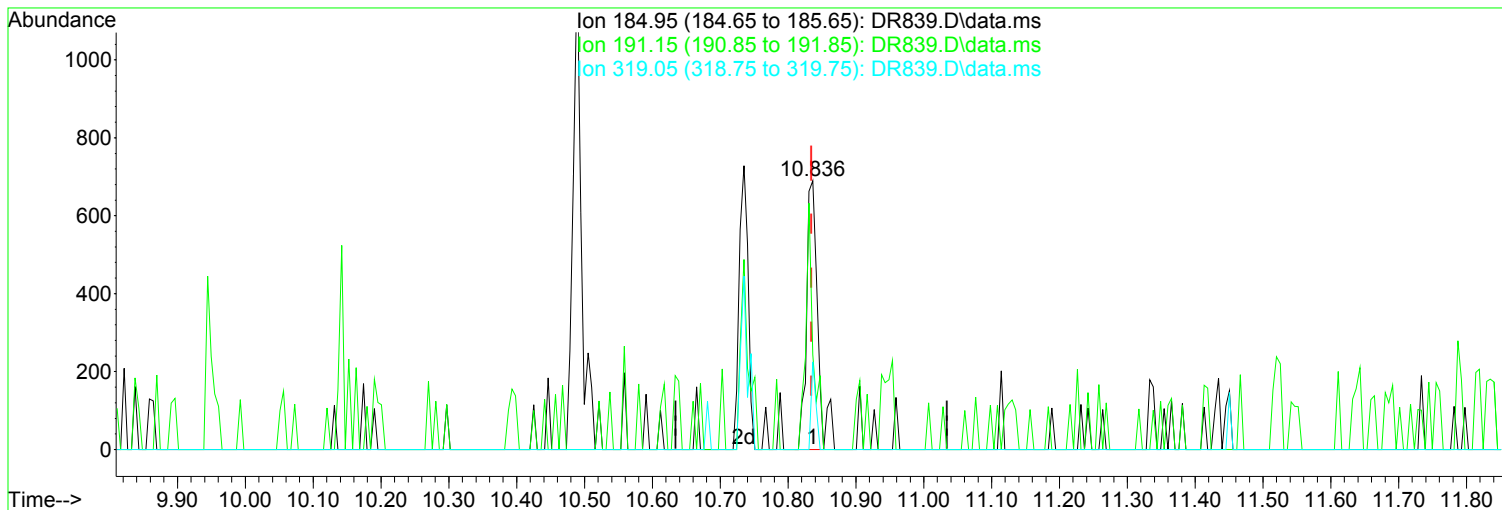
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	67.03
319.05	16.80	61.13#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 0.49 ppm

Before

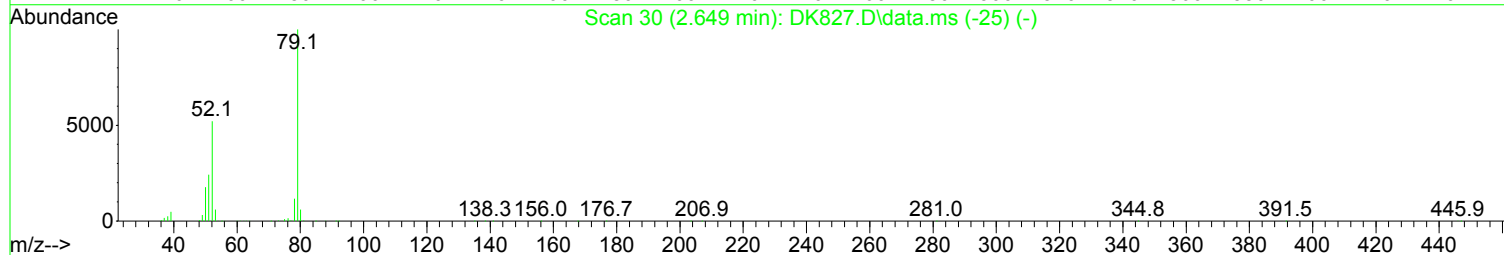
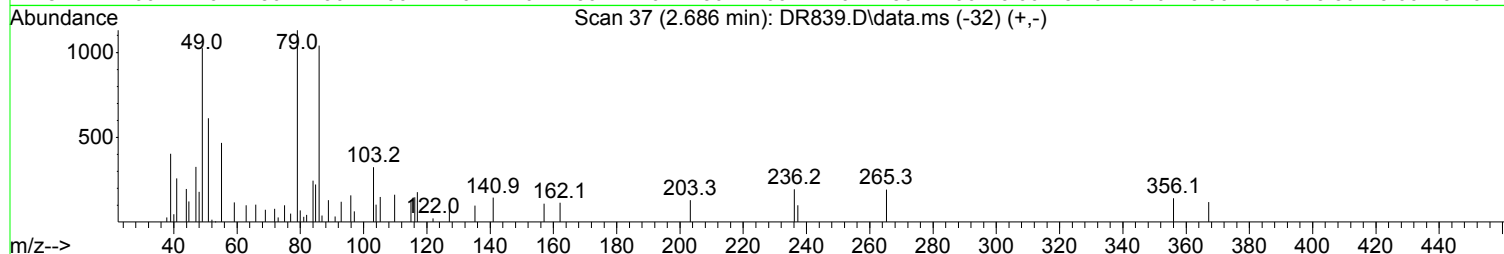
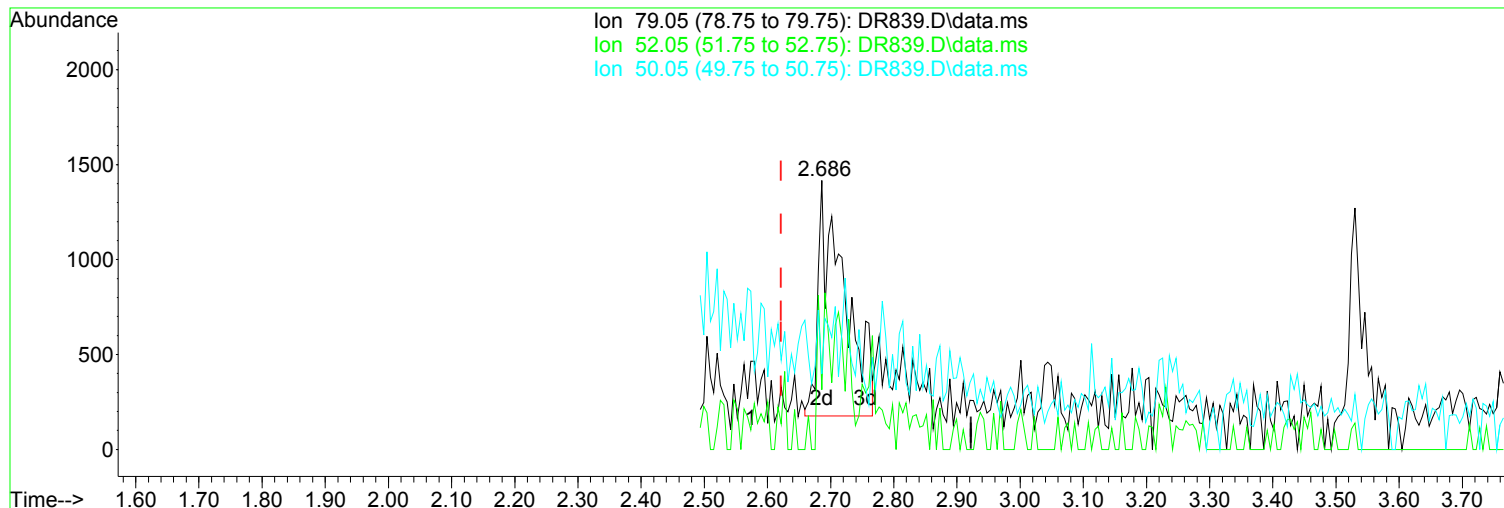
response 724

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	35.22
319.05	16.80	24.64
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.686min (+ 0.064) 0.83 ppm m

After

response 3564

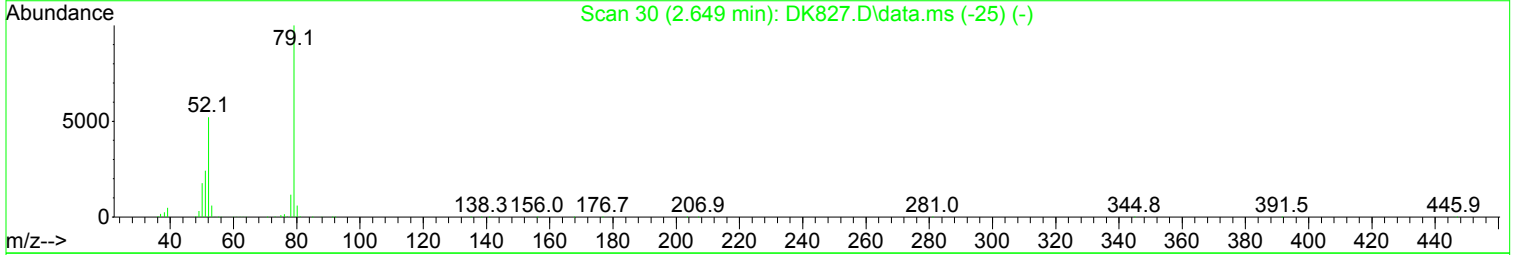
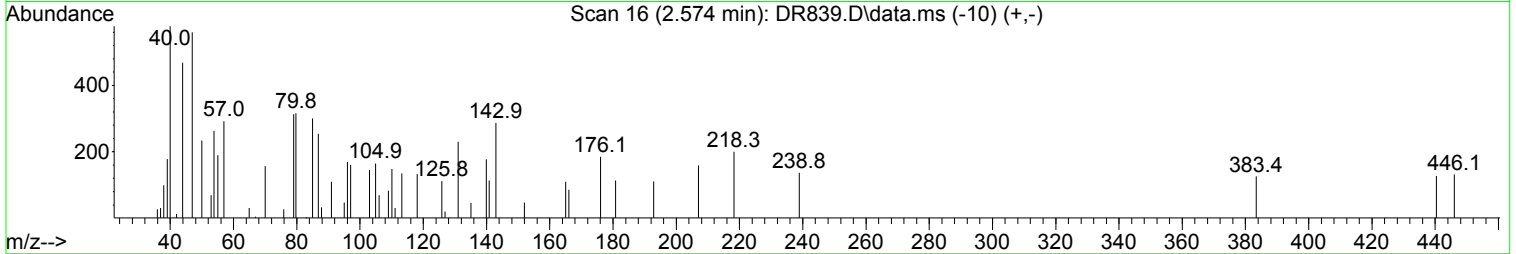
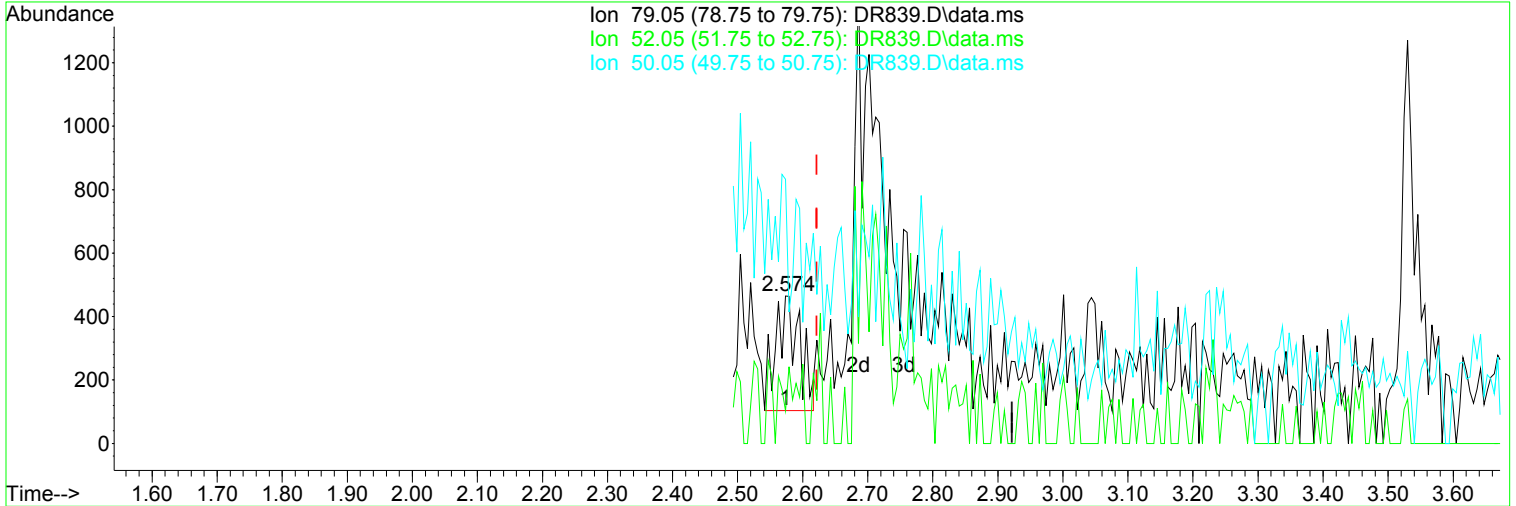
Peak not found.

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	22.25#
50.05	24.10	28.18
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(2) Pyridine (TM)

Manual Integration:

2.574min (-0.048) 0.22 ppm

Before

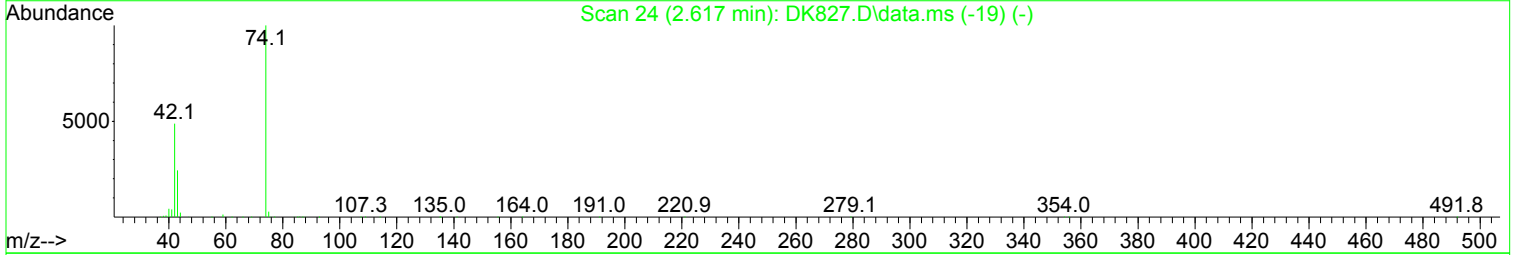
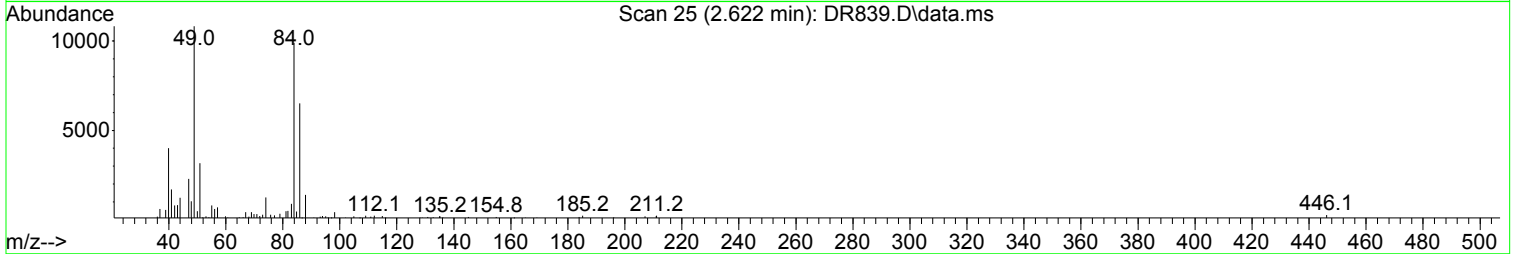
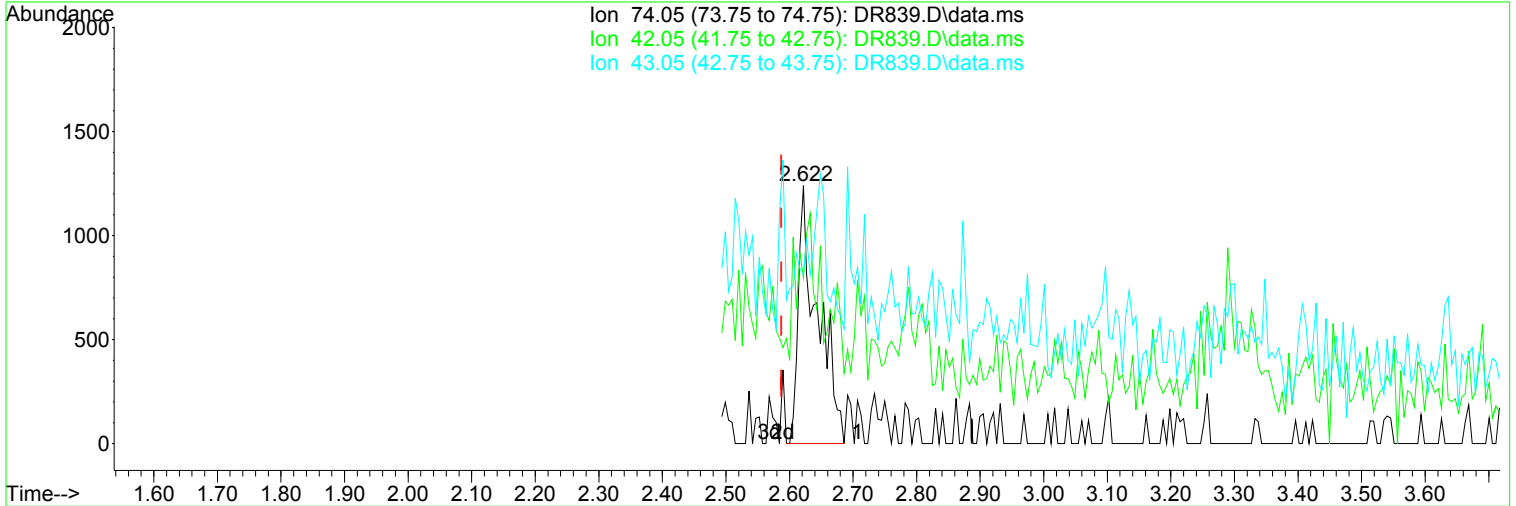
response 921

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	0.00#
50.05	24.10	37.28
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(3) N-Nitrosodimethylamine (TM)

2.622min (+ 0.034) 1.01 ppm m

response 2622

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	64.33
43.05	28.80	65.62#
0.00	0.00	0.00

Manual Integration:

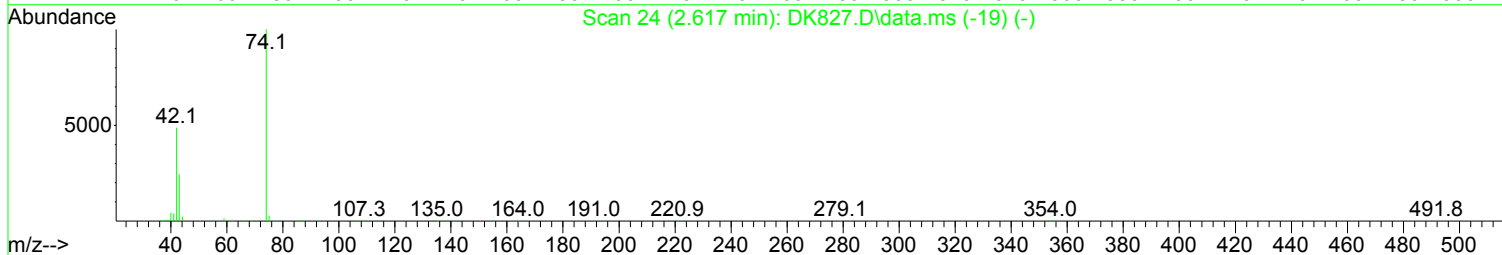
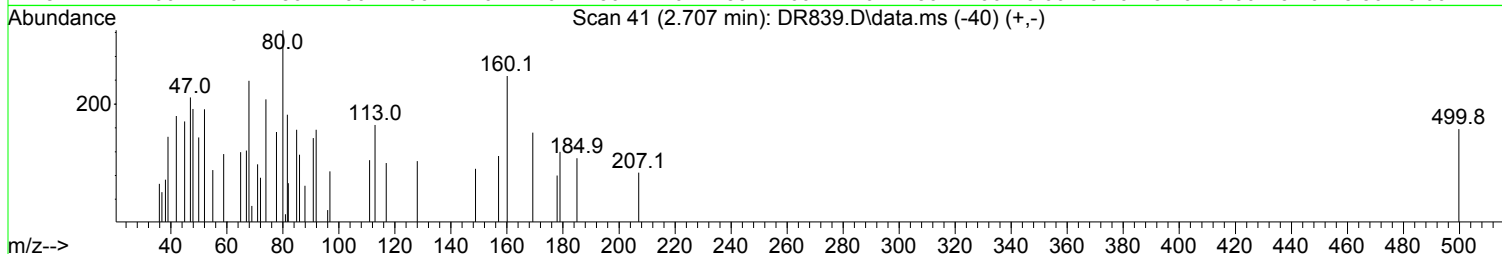
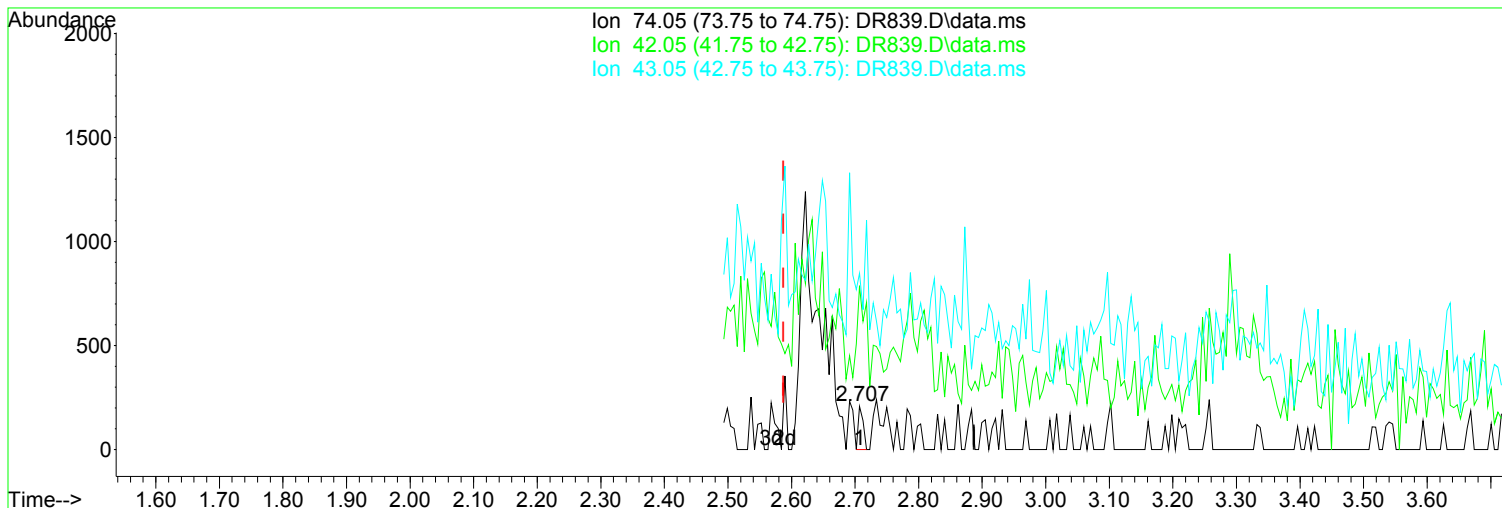
After

Peak not found.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.707min (+ 0.120) 0.04 ppm

Before

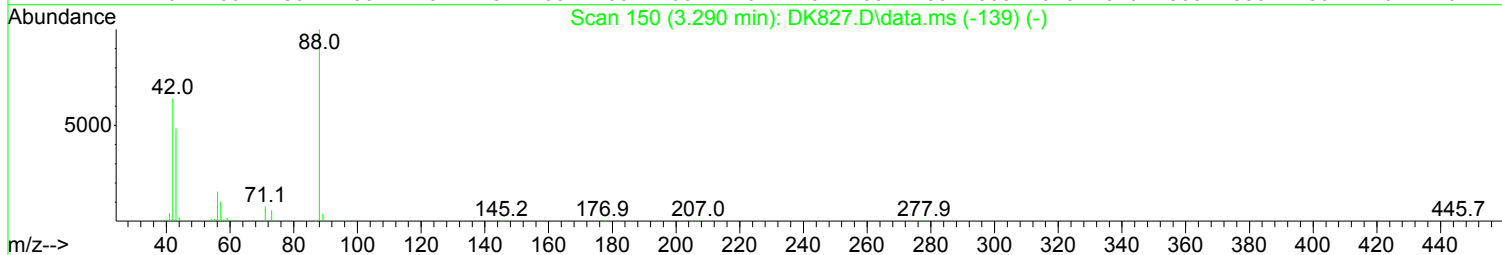
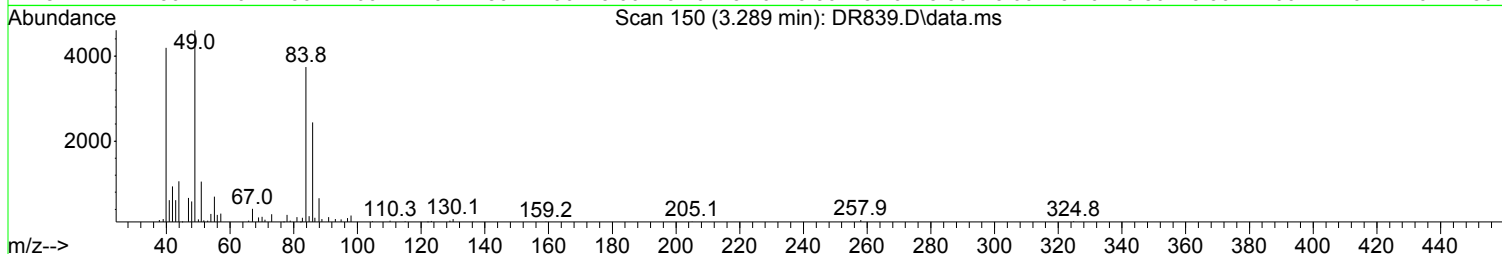
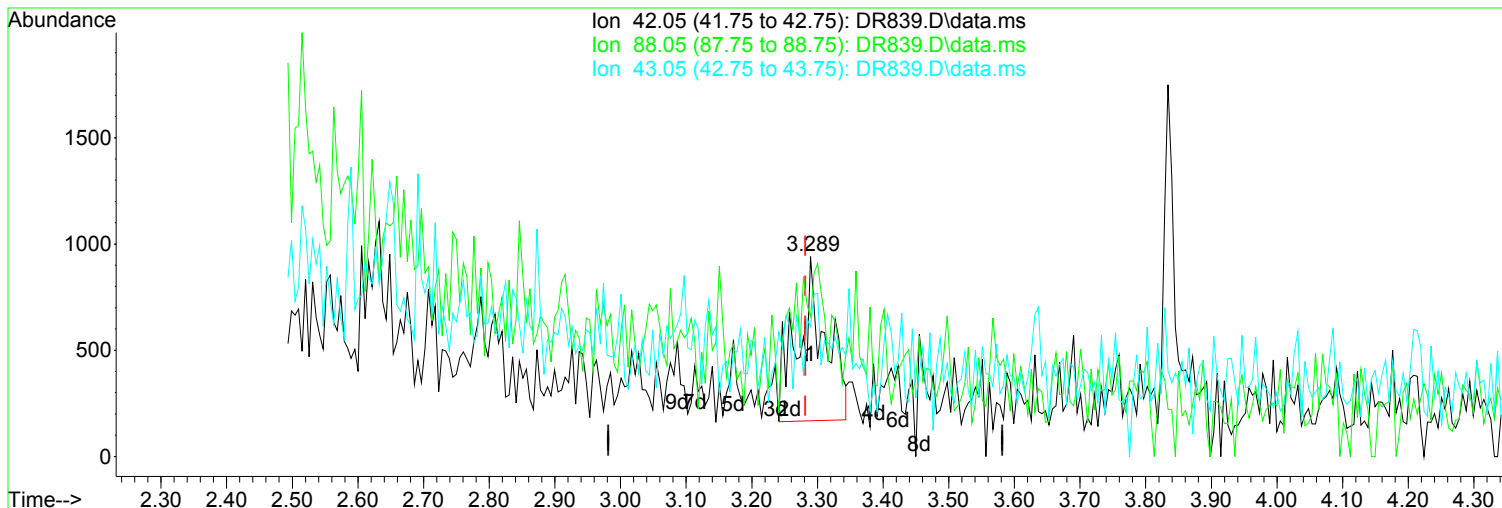
response 111

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.78
43.05	28.80	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 1.24 ppm m

After

response 2237

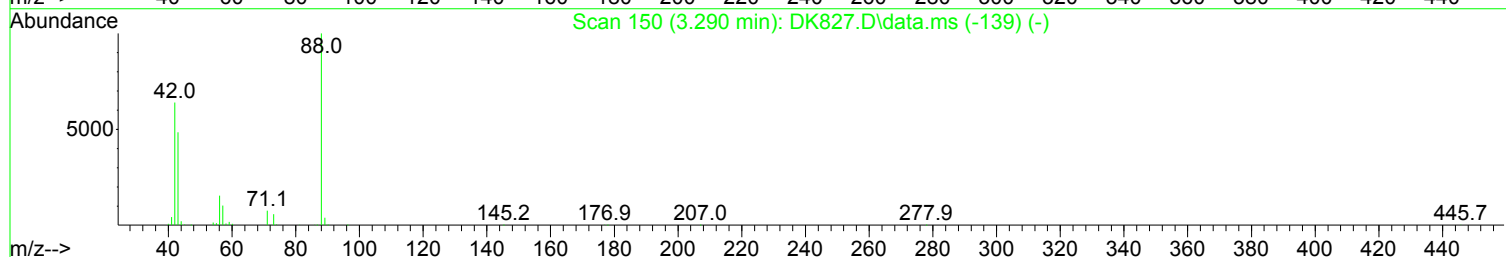
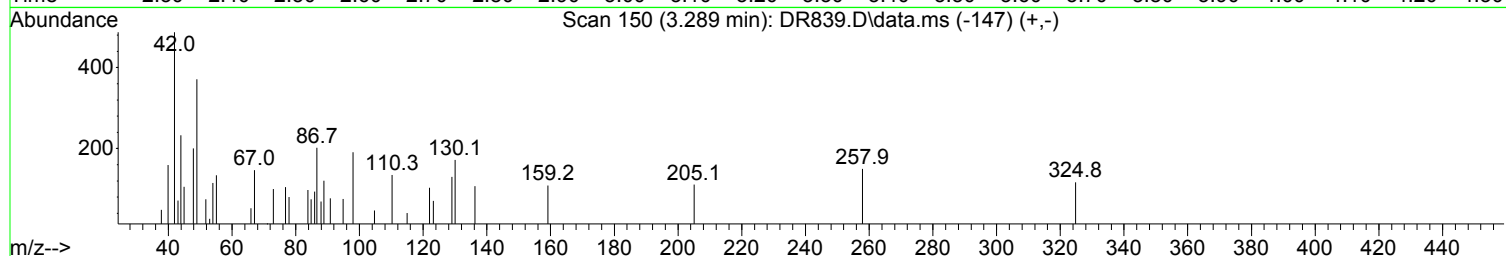
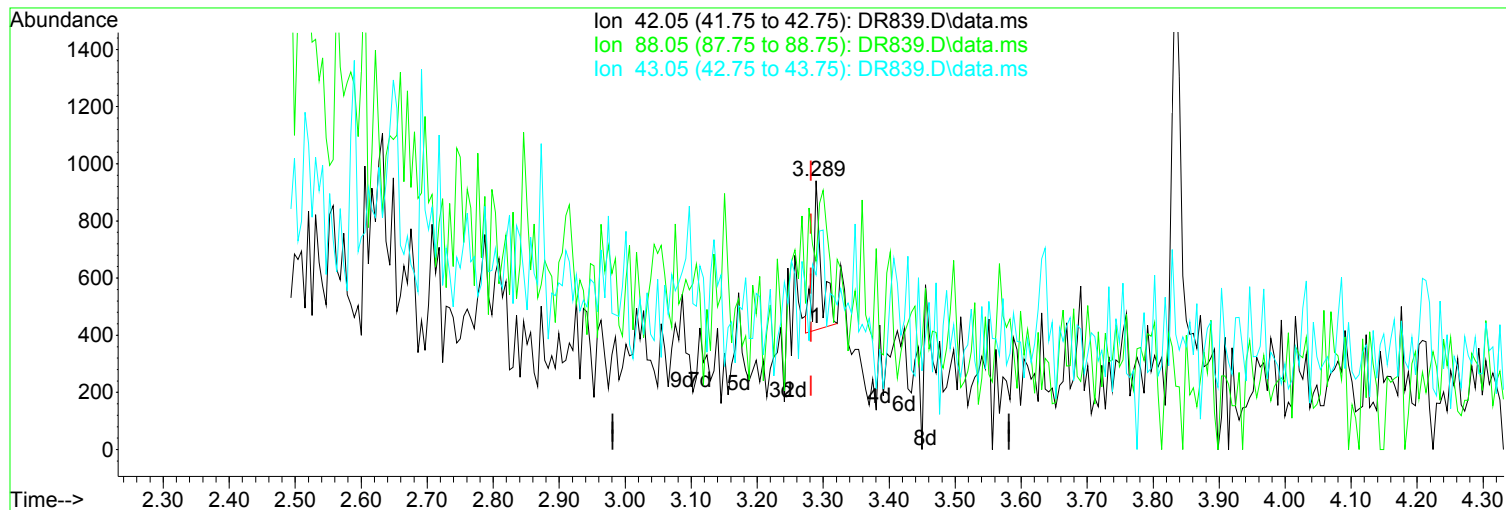
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	69.93#
43.05	73.90	64.93
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.289min (+ 0.008) 0.24 ppm

Before

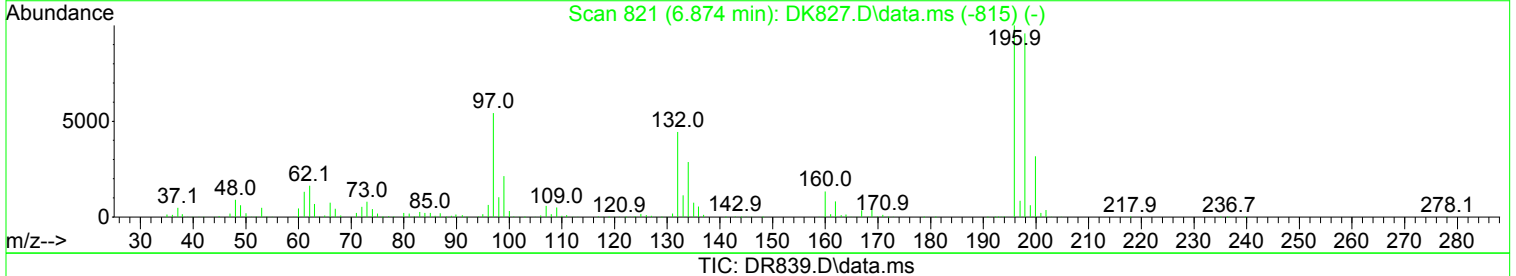
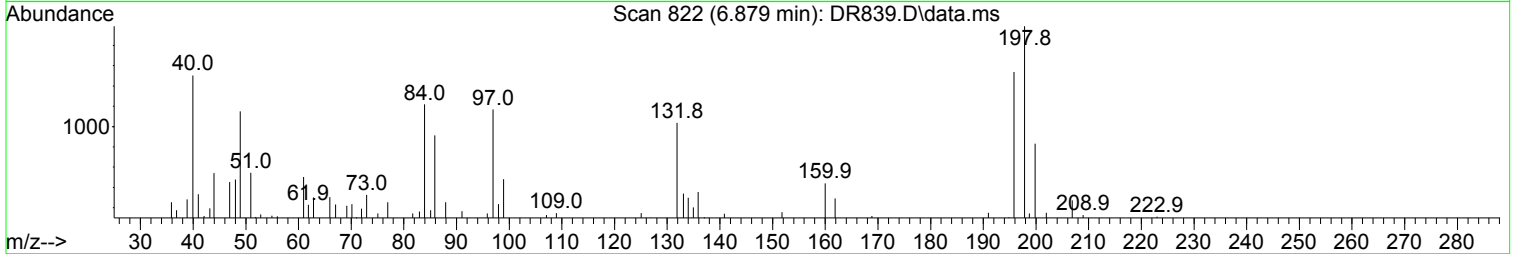
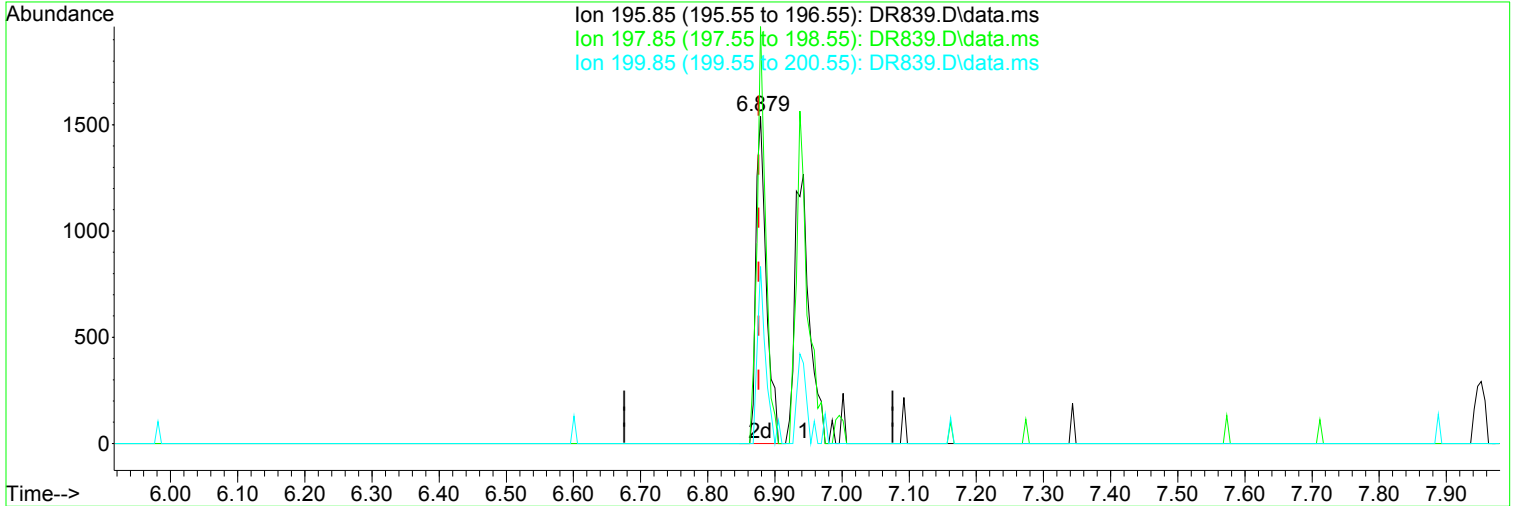
response 435

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	14.27#
43.05	73.90	14.89#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(61) 2,4,6-Trichlorophenol (TCM)

6.879min (+ 0.003) 0.85 ppm m

response 1660

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	129.24#
199.85	32.00	54.06#
0.00	0.00	0.00

Manual Integration:

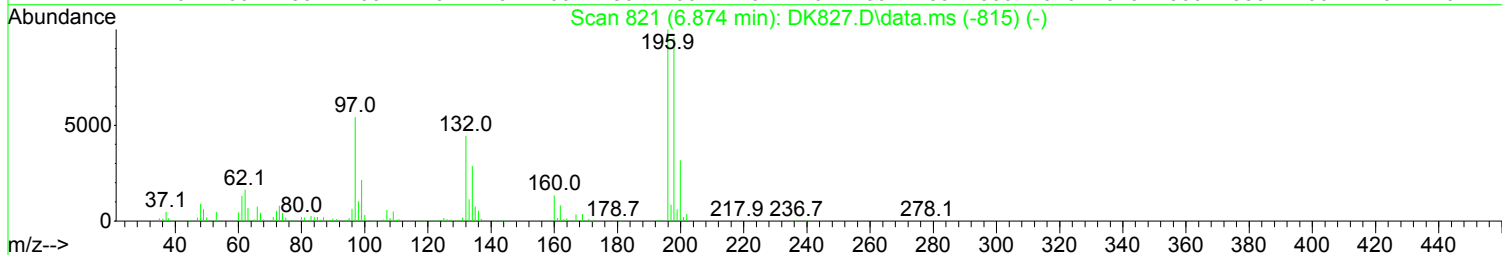
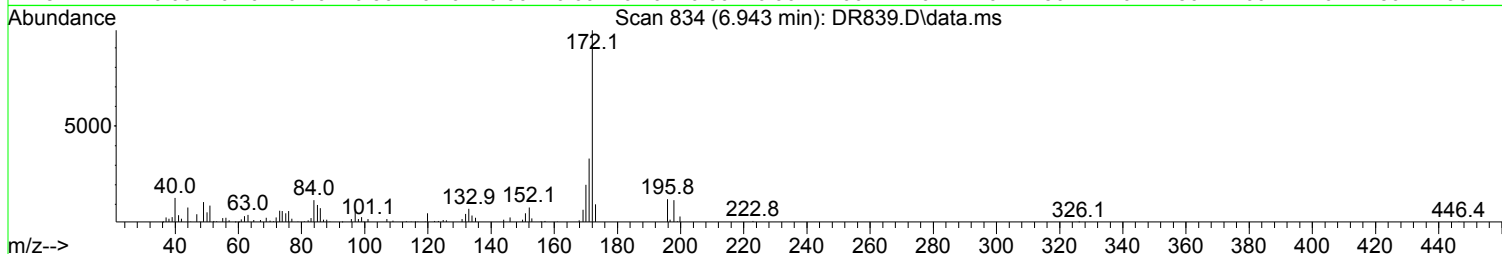
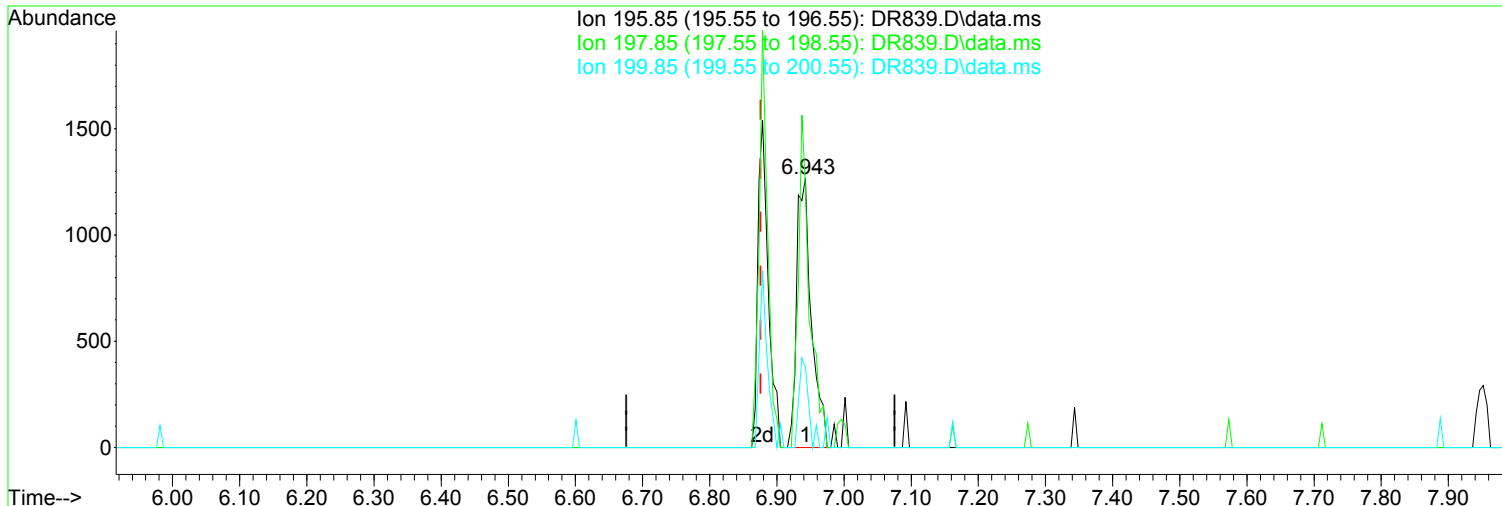
After

Wrong peak selected.

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR839.D
Acq On : 30 Apr 2019 9:40 am
Operator : JMisiurewicz
Sample : 1 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR839.D\data.ms

(61) 2,4,6-Trichlorophenol (TCM)

Manual Integration:

6.943min (+ 0.067) 1.00 ppm

Before

response 1945

Ion	Exp%	Act%
195.85	100.00	100.00
197.85	102.70	96.45
199.85	32.00	29.78
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	111575	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	417154	40.00	ppm	0.00
57) d10-Acenaphthene	7.610	164	208822	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	324805	40.00	ppm	0.00
117) d12-Chrysene	12.348	240	293790	40.00	ppm	0.00
135) d12-Perylene	15.291	264	297907	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.669	112	4026	0.99	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	0.99%#
12) SURR2,PHENOL-D6	4.432	99	4463	0.90	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	0.90%#
34) SURR4,NITROBENZENE-D5	5.234	82	4521	1.07	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	2.14%#
63) SURR5,2-FLUOROBIPHENYL	6.943	172	7719	0.97	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	1.94%#
88) SURR3,2,4,6-TRIBROMOPH...	8.401	330	912	1.07	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	1.07%#
124) SURR6,TERPHENYL-D14	10.767	244	6731	0.97	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	1.94%#

Target Compounds						Qvalue
2) Pyridine	2.686	79	3564m	0.832	ppm	
3) N-Nitrosodimethylamine	2.622	74	2622m	1.007	ppm	
4) 2-Picoline	3.231	93	4282	0.966	ppm	90
5) N-Nitrosomethylamine	3.289	42	2237m	1.242	ppm	
6) Methyl Methansulfonate	3.535	80	1884	0.933	ppm	89
8) N-Nitrosodiethylamine	3.839	102	2055	1.038	ppm	63
9) Ethyl Mathanesulfonate	4.080	79	3816	1.119	ppm	90
10) Benzaldehyde	4.368	106	5752	2.015	ppm	82
11) Aniline	4.454	93	5796	0.911	ppm	83
13) Phenol	4.443	94	5163	0.947	ppm	86
14) bis(2-Clethyl)Ether	4.496	93	4342	1.151	ppm	78
15) Pentachloroethane	4.486	117	1597	1.051	ppm	94
16) 2-Chlorophenol	4.566	128	4481	1.046	ppm	92
17) 1,3-Diclbzene	4.683	146	4354	0.977	ppm	92
18) 1,4-Dichlorobenzene	4.747	146	4617	1.012	ppm	91
19) 1,2-Diclbzene	4.881	146	4303	0.987	ppm	94
20) Benzyl Alcohol	4.870	79	2595	0.895	ppm	# 69
21) 1-Methyl-2-pyrrolidinone	4.913	99	2380	0.898	ppm	# 70
22) 2,2'-oxybis(1-Chloropr...	4.961	45	3494	0.964	ppm	# 77
23) 2-Methylphenol	4.966	108	4073	1.060	ppm	81
24) 3+4-Methylphenol	5.111	108	4599	1.058	ppm	# 81
25) Acetophenone	5.089	105	5668	1.049	ppm	87
26) N-Nitroso-Di-n-propyla...	5.079	70	3088	1.060	ppm	82
27) N-Nitrosopyrrolidine	5.084	100	2045	0.965	ppm	# 73
28) N-Nitrosomorpholine	5.116	56	2317	1.111	ppm	96
29) o-Toluidine	5.127	106	6027	1.005	ppm	73
30) Hexachloroethane	5.180	117	1966	1.120	ppm	# 80
31) o,o,o-Triethylphosphor...	5.623	198	1863	1.019	ppm	81
32) Alpha-terpinol	5.923	121	1484	1.041	ppm	# 66
35) Nitrobenzene	5.255	77	4326	1.018	ppm	94
36) N-Nitrosopiperidine	5.394	42	2208	0.955	ppm	89
37) Isophorone	5.463	82	6935	0.979	ppm	91
38) 2-Nitrophenol	5.549	139	2196	0.998	ppm	92

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	3863	0.975	ppm	90
40) bis(-2-Chloroethoxy)Me...	5.661	93	3887	0.933	ppm	94
42) 2,4-Dichlorophenol	5.805	162	2936	0.936	ppm	80
43) a,a-Dimethylphenethyla...	5.821	58	6634	0.839	ppm	61
44) 1,2,4-Trichlorobenzene	5.842	180	3130	0.946	ppm	91
45) Naphthalene	5.923	128	11839	1.030	ppm	94
46) 4-Chloroaniline	5.987	127	4816	1.001	ppm	91
47) 2,6-Dichlorophenol	5.992	162	3214	0.980	ppm	82
48) Hexachlorobutadiene	6.024	225	1579	0.942	ppm #	67
49) Hexachloropropene	5.997	213	2070	0.988	ppm	98
50) 4-Chloro-3-methylphenol	6.473	107	3128	1.000	ppm	75
51) N-N-di-n-butylamine	6.286	84	2712	1.091	ppm	75
52) Caprolactam	6.318	113	1422	1.143	ppm #	61
53) p-Phenylenediamine	6.344	80	648	0.789	ppm	90
54) Safrole	6.499	162	2759	0.935	ppm	88
55) 2-Methylnaphthalene	6.590	142	7072	0.950	ppm	97
56) 1-Methylnaphthalene	6.686	142	6874	0.987	ppm	82
58) Hexachlorocyclopentadiene	6.729	237	295	1.403	ppm	67
59) 1,2,4,5-Tetrachloroben...	6.750	216	2761	0.898	ppm	96
60) 1,2,3,4-Tetrachloroben...	7.028	216	3104	0.959	ppm	94
61) 2,4,6-Trichlorophenol	6.879	196	1660m	0.853	ppm	
62) 2,4,5-Trichlorophenol	6.943	196	1945	0.929	ppm	97
64) Isosafrole	7.007	104	1669	1.243	ppm #	66
65) 1,1'-Biphenyl	7.044	154	9050	0.978	ppm	93
66) 2-Chloronaphthalene	7.071	162	6707	1.003	ppm	94
67) 2-Nitroaniline	7.183	65	2143	1.121	ppm #	65
68) 1,4-Naphthoquinone	7.258	158	1277	0.608	ppm	79
69) m-Dinitrobenzene	7.407	168	1251	0.952	ppm	86
70) Acenaphthylene	7.471	152	11068	1.033	ppm	88
71) Dimethyl phthalate	7.343	163	8275	1.059	ppm	96
72) 2,6-Dinitrotoluene	7.413	165	1811	1.020	ppm	86
73) Acenaphthene	7.642	153	7409	0.995	ppm	96
74) 3-Nitroaniline	7.594	138	1987	0.974	ppm	87
76) Dibenzofuran	7.813	168	9326	1.014	ppm	89
77) 2,4-Dinitrotoluene	7.819	165	2317	0.989	ppm #	69
79) Pentachlorobenzene	7.771	250	2371	0.963	ppm #	63
80) 1-Napthylamine	7.904	143	4915	1.015	ppm	93
81) 2-Napthylamine	7.984	143	6318	1.023	ppm	82
82) 2,3,4,6-Tetrachlorophenol	7.952	232	1044	0.730	ppm	71
83) Fluorene	8.155	166	7890	1.043	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	3083	1.010	ppm	93
85) Diethylphthalate	8.032	149	8006	1.034	ppm	97
86) 4-Nitroaniline	8.203	138	1790	0.890	ppm	96
87) 5-Nitro-o-toluidine	8.182	152	2135	0.935	ppm	92
89) Sulfotepp	8.411	322	988	1.023	ppm	94
90) Octachlorocyclopentene	8.390	307	910	0.925	ppm	75
92) Thionazin	8.112	107	1474	1.157	ppm	87
94) Diphenylamine	8.267	169	11320	1.972	ppm	98
95) 1,2 Diphenylhydrazine	8.305	77	7345	1.014	ppm	90
96) N-Nitrosodiphenylamine	8.267	169	11320	1.972	ppm	98
98) Diallate	8.540	86	3457	1.181	ppm	95
99) Phorate	8.556	121	1564	1.041	ppm	85
100) Phenacetin	8.588	108	3396	0.897	ppm	93
101) 4-Bromophenyl-phenylether	8.636	248	1858	1.094	ppm	93
102) Hexachlorobenzene	8.695	284	2062	1.080	ppm #	71
103) Dimethoate	8.737	87	2877	1.159	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR839.D
 Acq On : 30 Apr 2019 9:40 am
 Operator : JMisiurewicz
 Sample : 1 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 5 Sample Multiplier: 1

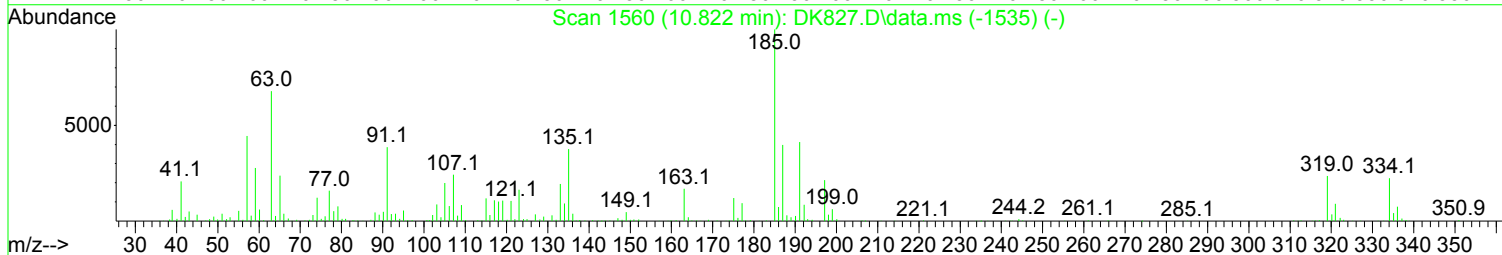
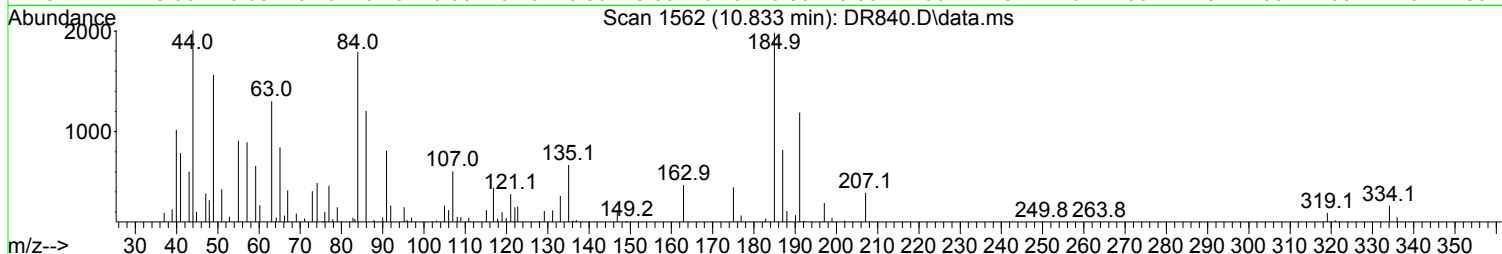
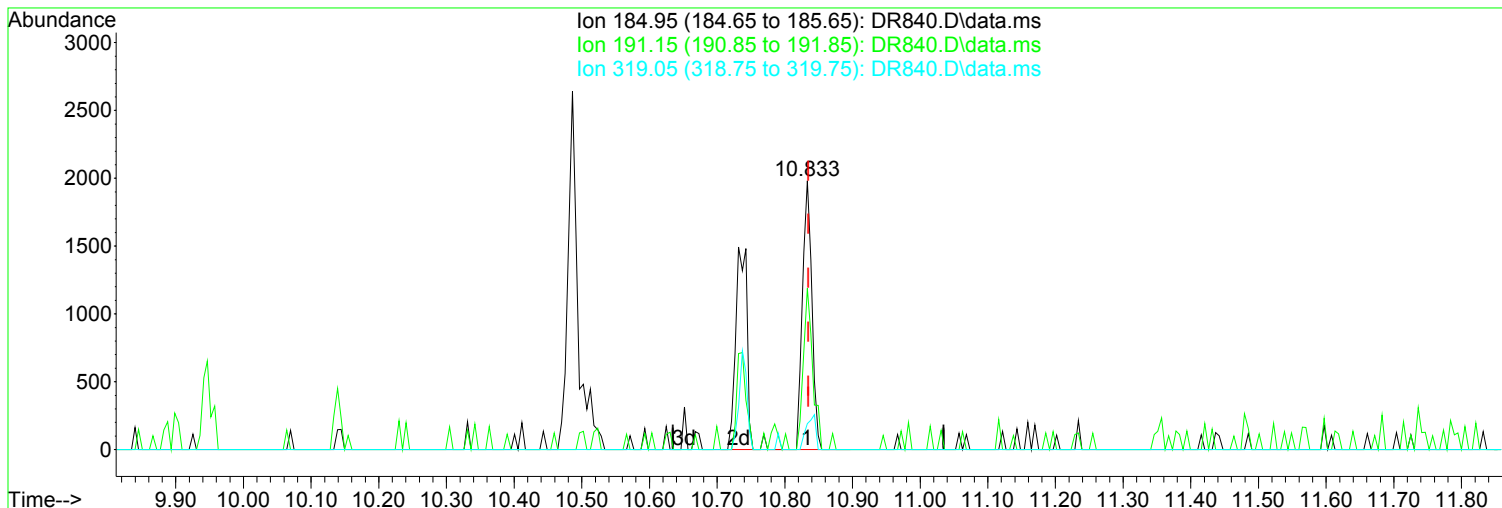
Quant Time: May 01 08:53:32 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) Atrazine	8.796	215	901	0.970	ppm	92
106) 4-Aminobiphenyl	8.897	169	5691	0.976	ppm	96
107) Pentachloronitrobenzene	8.897	237	608	0.862	ppm	95
108) Pronamide	8.951	173	2914	0.877	ppm	73
109) Dinoseb	9.068	211	869	0.527	ppm	88
110) Disulfoton	9.079	88	7355	1.953	ppm	54
111) Phenanthrene	9.106	178	11083	1.079	ppm	97
112) Anthracene	9.159	178	10821	1.060	ppm	92
113) Carbazole	9.330	167	10129	1.010	ppm	95
114) Di-n-butylphthalate	9.645	149	12664	0.977	ppm	99
116) Fluoranthene	10.324	202	9960	0.947	ppm	92
118) Methyl Parathion	9.453	109	2386	1.024	ppm	88
119) Ethyl Parathion	9.832	97	1838	1.056	ppm #	55
120) Methapyrilene	9.944	58	2486	0.982	ppm	100
121) Isodrin	10.137	193	1201	1.118	ppm	78
122) Benzidine	10.489	184	6702	0.972	ppm	80
123) Pyrene	10.591	202	10301	0.955	ppm	99
125) Aramite	10.735	185	1552m	1.050	ppm	
126) p-(Dimethylamino)azobe...	10.954	120	3005	0.938	ppm	89
127) Chlorobenzilate	11.002	139	3439	0.918	ppm	91
128) Butyl benzyl phthalate	11.440	149	5899	0.986	ppm	93
129) 3,3-Dimethylbenzidine	11.434	212	6669	1.016	ppm	91
130) 2-Acetylaminofluorene	11.835	181	4683	0.980	ppm	88
131) 3,3'-Dichlorobenzidine	12.310	252	4285	1.097	ppm	80
132) Benzo(a)anthracene	12.326	228	10868	1.089	ppm	92
133) Chrysene	12.391	228	9838	1.072	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.396	149	8910	1.082	ppm	98
136) Di-n-octyl phthalate	13.720	149	14534	1.028	ppm	87
137) 7,12-Dimethylbenz(a)an...	14.442	256	4740	1.053	ppm	89
138) Benzo(b)Fluoranthene	14.452	252	9907	0.999	ppm	79
139) Benzo(k)fluoranthene	14.511	252	9685	1.031	ppm	90
140) Benzo(a)pyrene	15.157	252	8649	1.014	ppm	90
141) 3-Methylcholanthrene	15.932	268	5296	1.061	ppm	85
142) Indeno(1,2,3-cd)Pyrene	17.251	276	9447	1.130	ppm	89
143) Dibenz(a,h)anthracene	17.299	278	9403	1.073	ppm	83
144) Benzo(g,h,i)perylene	17.710	276	7682	1.066	ppm	92

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 2.51 ppm m

After

response 3704

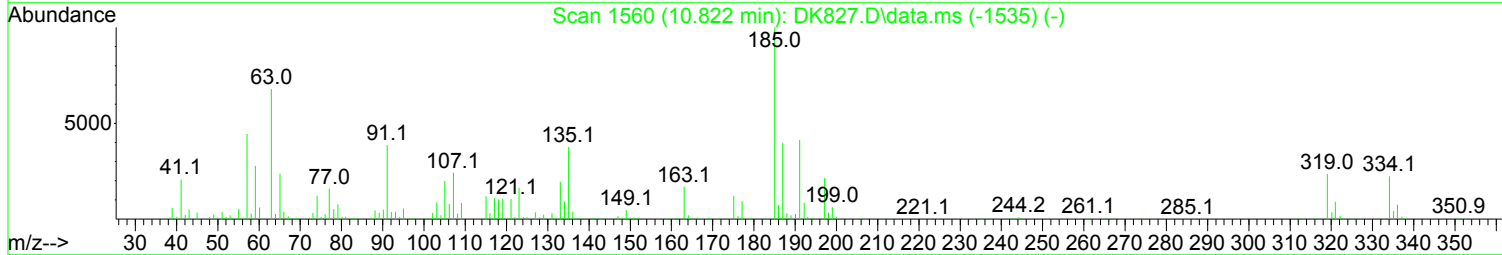
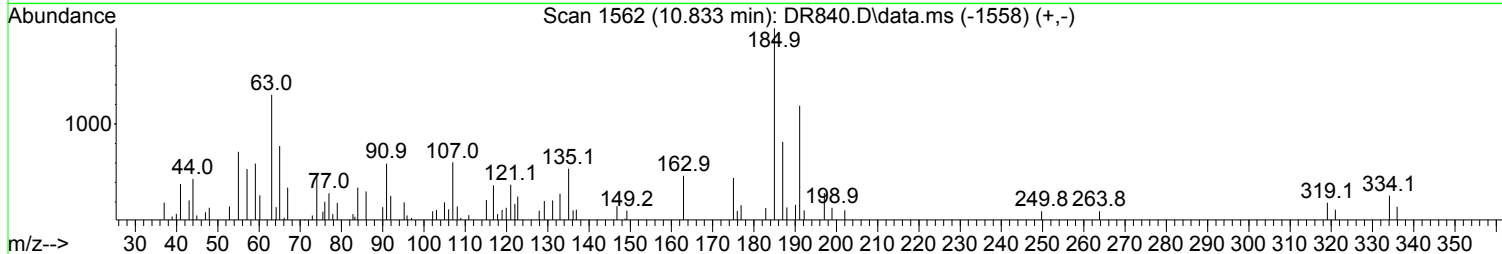
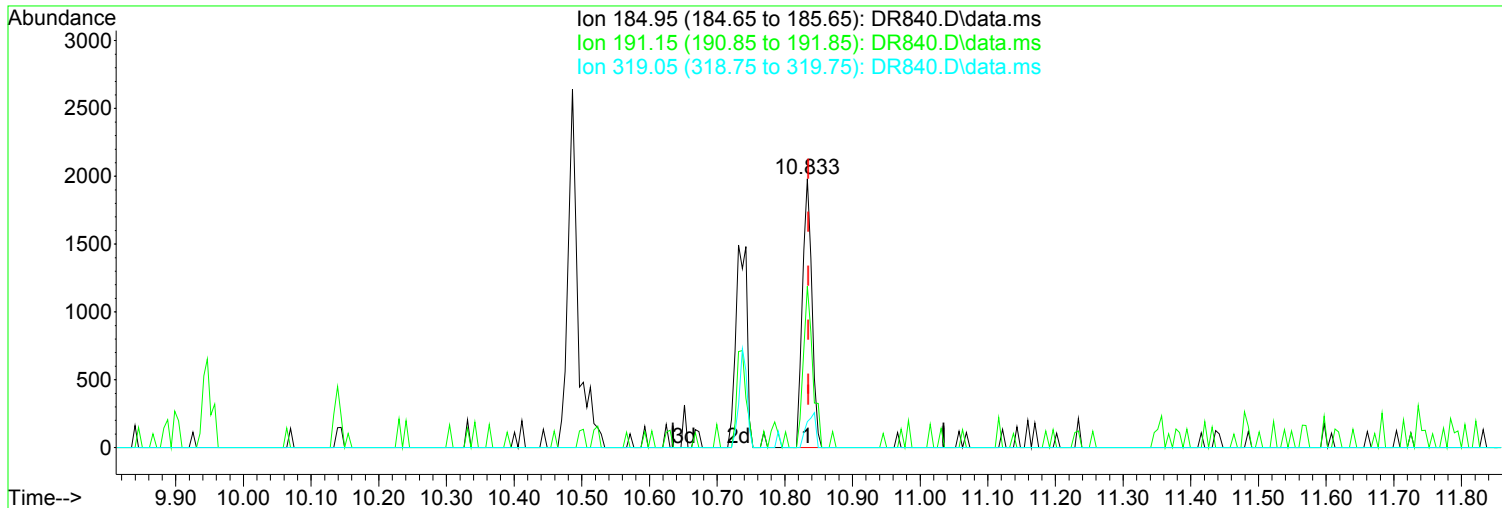
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	59.96
319.05	16.80	9.68
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

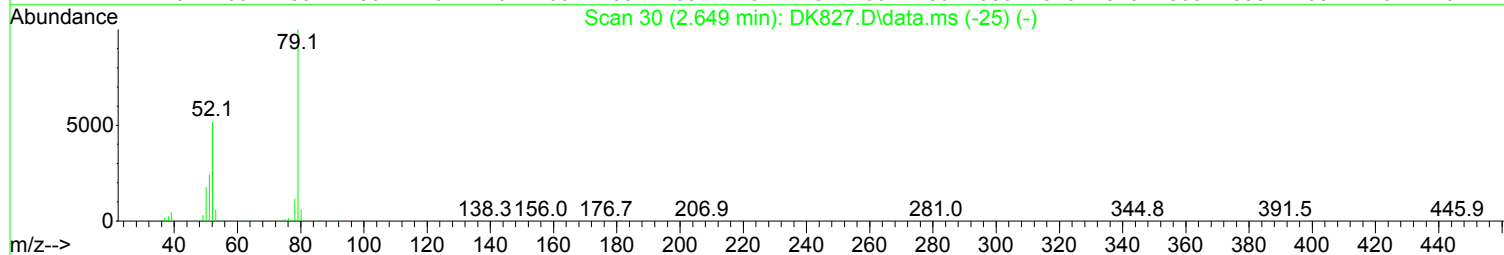
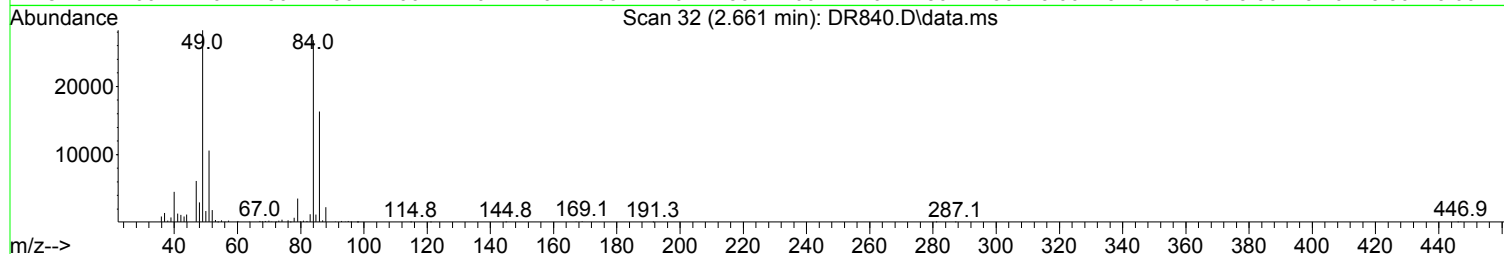
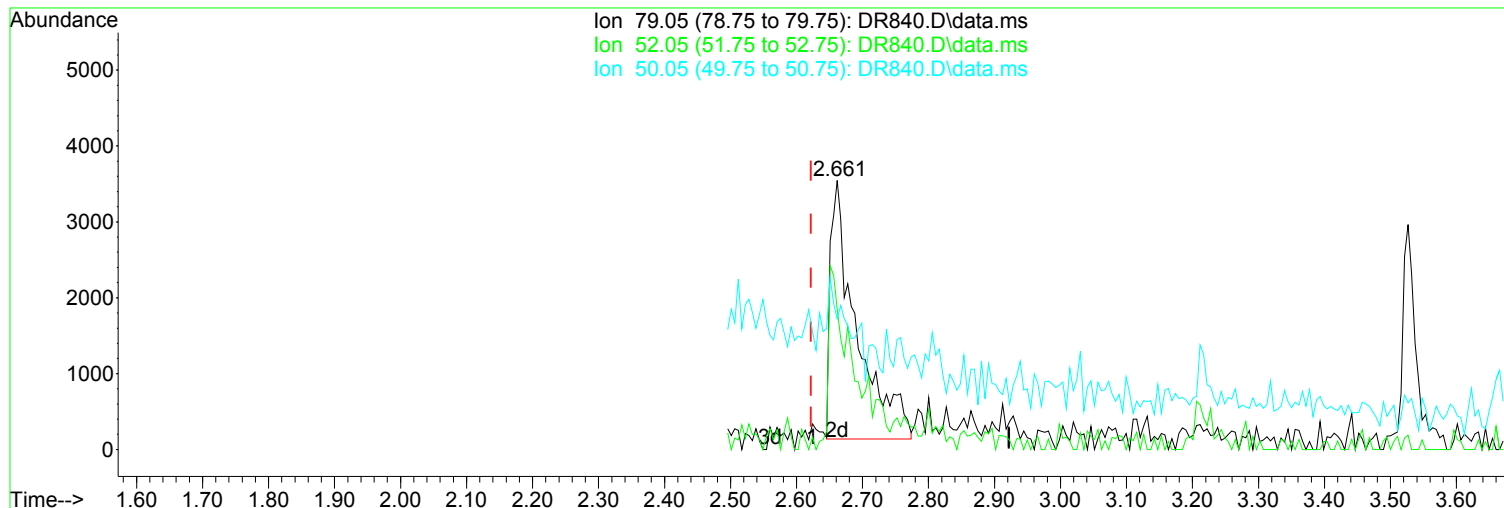


TIC: DR840.D\data.ms

(125) Aramite (TM)			Manual Integration:
10.833min (-0.002)	1.31 ppm		Before
response	1933		
Ion	Exp%	Act%	05/01/19
184.95	100.00	100.00	
191.15	41.00	59.96	
319.05	16.80	9.68	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(2) Pyridine (TM)

Manual Integration:

2.661min (+ 0.039) 2.18 ppm m

After

response 9421

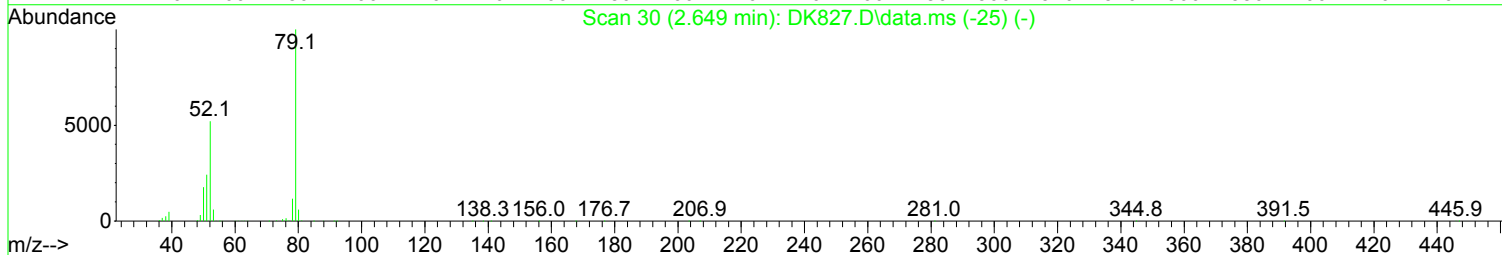
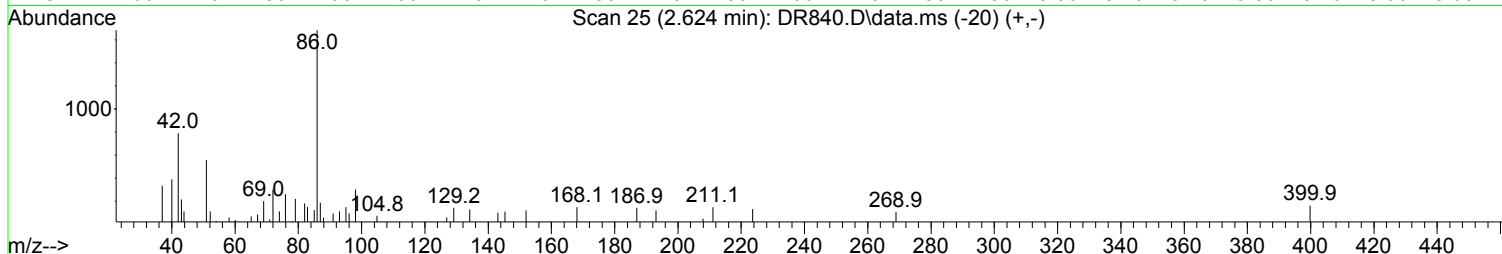
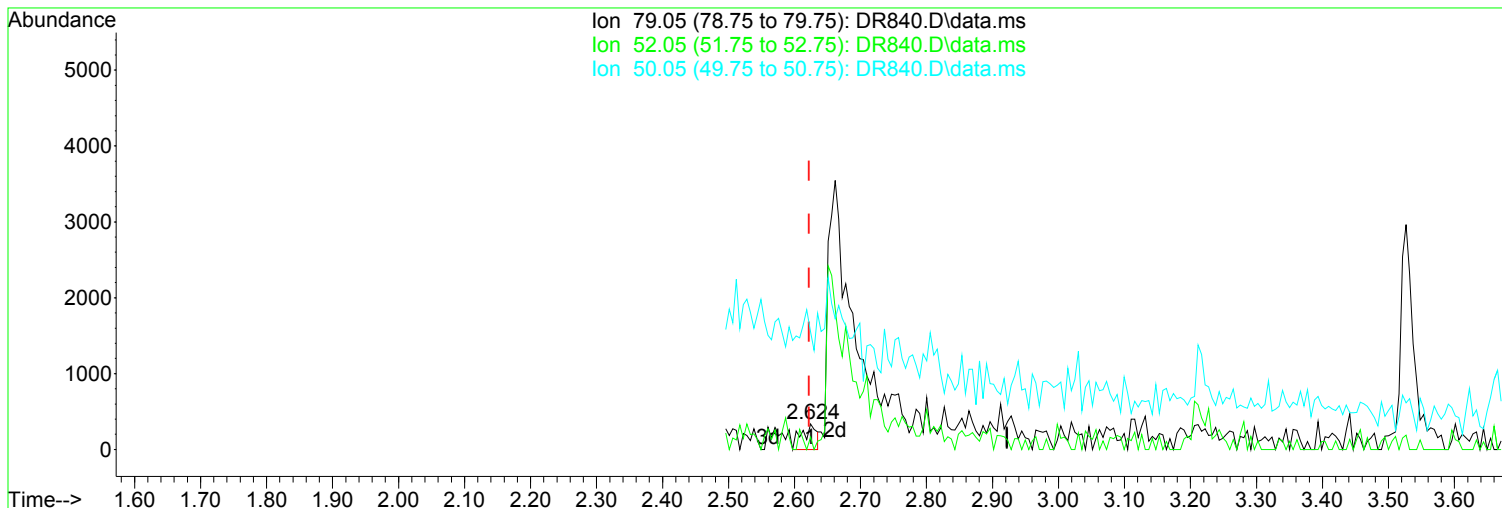
Peak not found.

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	52.24
50.05	24.10	48.63
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(2) Pyridine (TM)

Manual Integration:

2.624min (+ 0.002) 0.12 ppm

Before

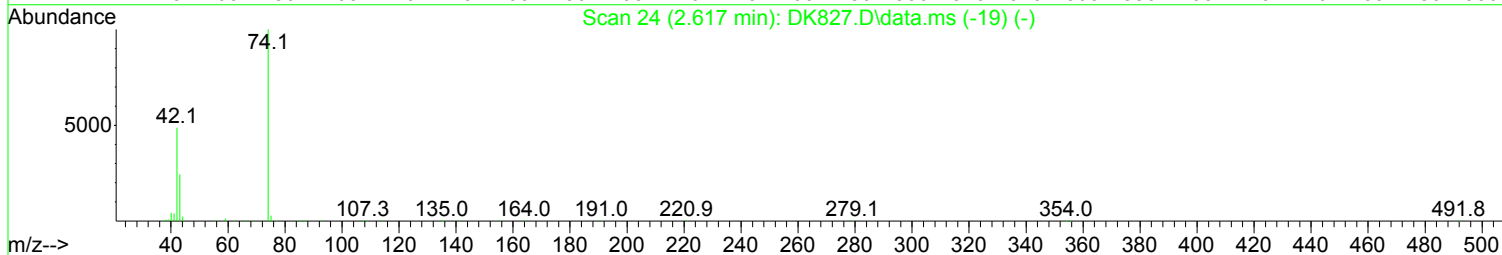
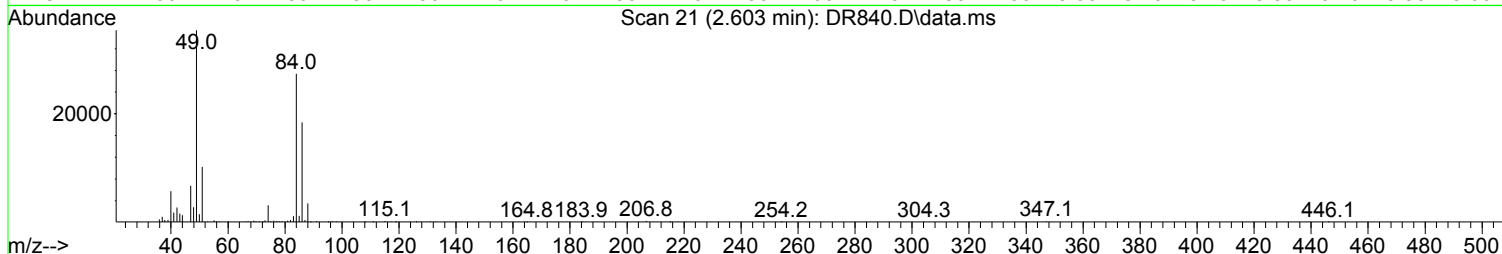
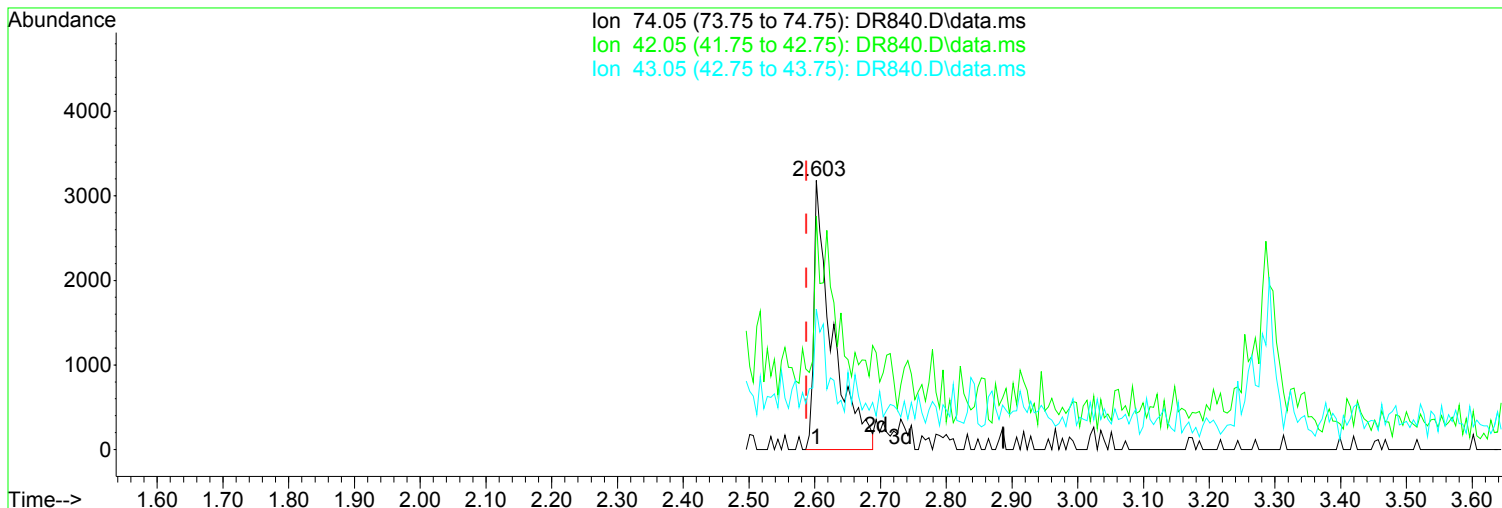
response 520

Ion	Exp%	Act%
79.05	100.00	100.00
52.05	60.40	50.11
50.05	24.10	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR840.D\data.ms

(3) N-Nitrosodimethylamine (TM)

Manual Integration:

2.603min (+ 0.015) 2.33 ppm m

After

response 6118

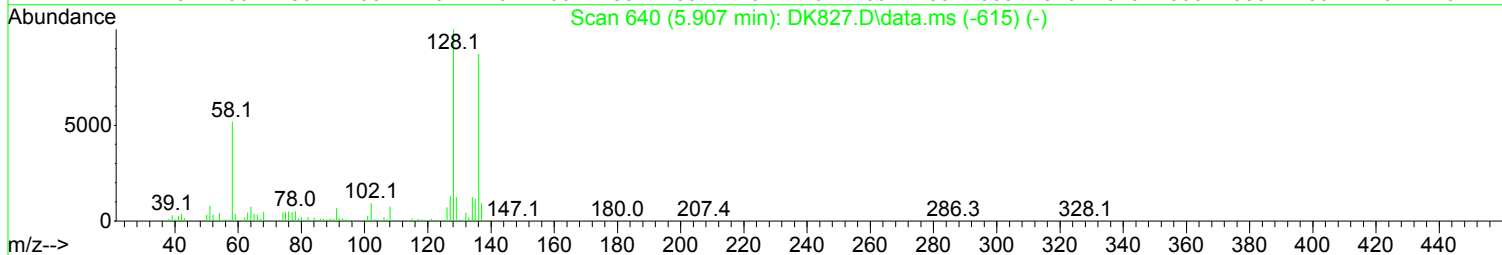
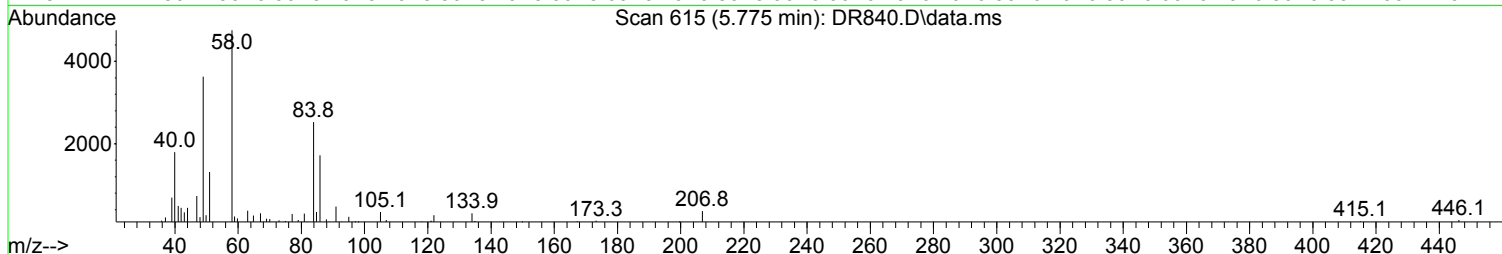
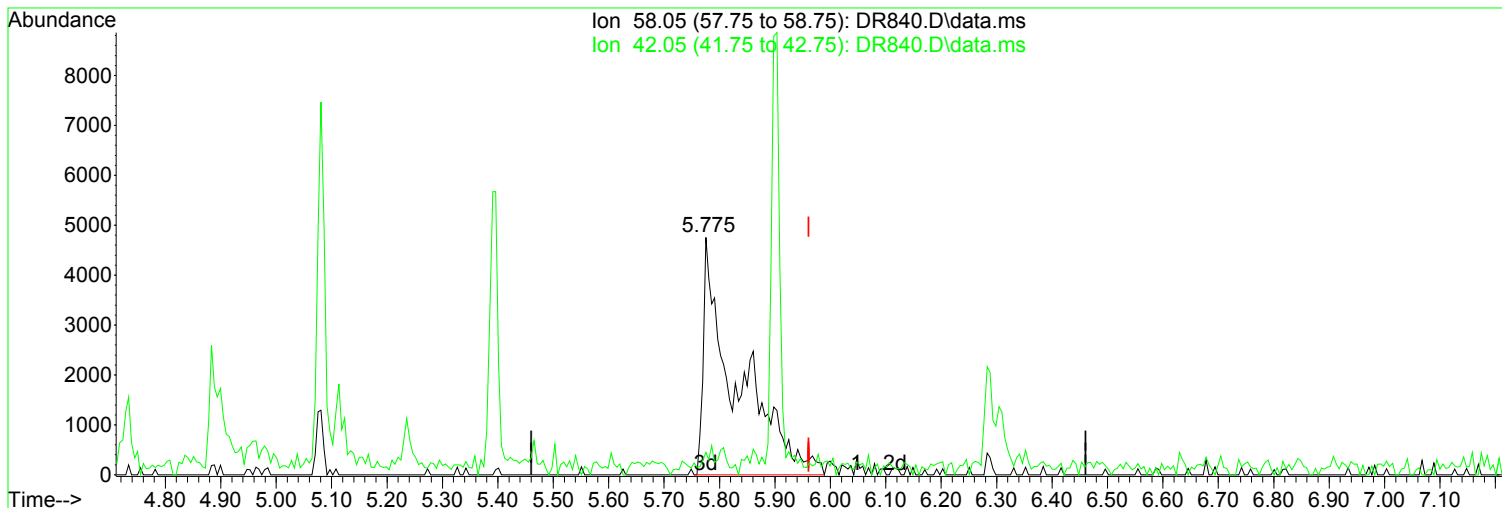
Poor integration.

Ion	Exp%	Act%
74.05	100.00	100.00
42.05	71.90	86.86
43.05	28.80	52.28
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.775min (-0.186) 2.52 ppm m

After

response 19415

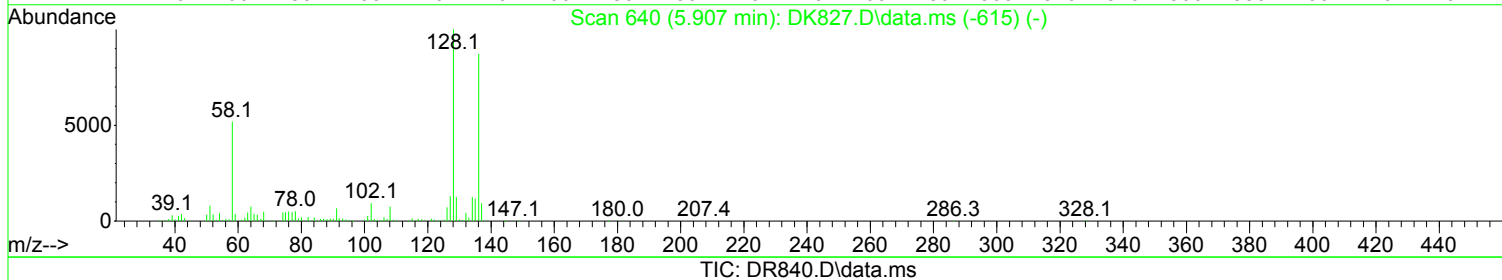
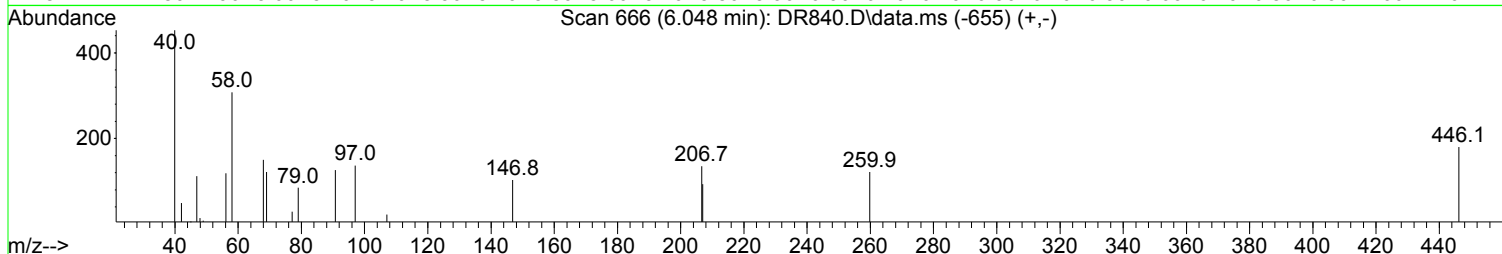
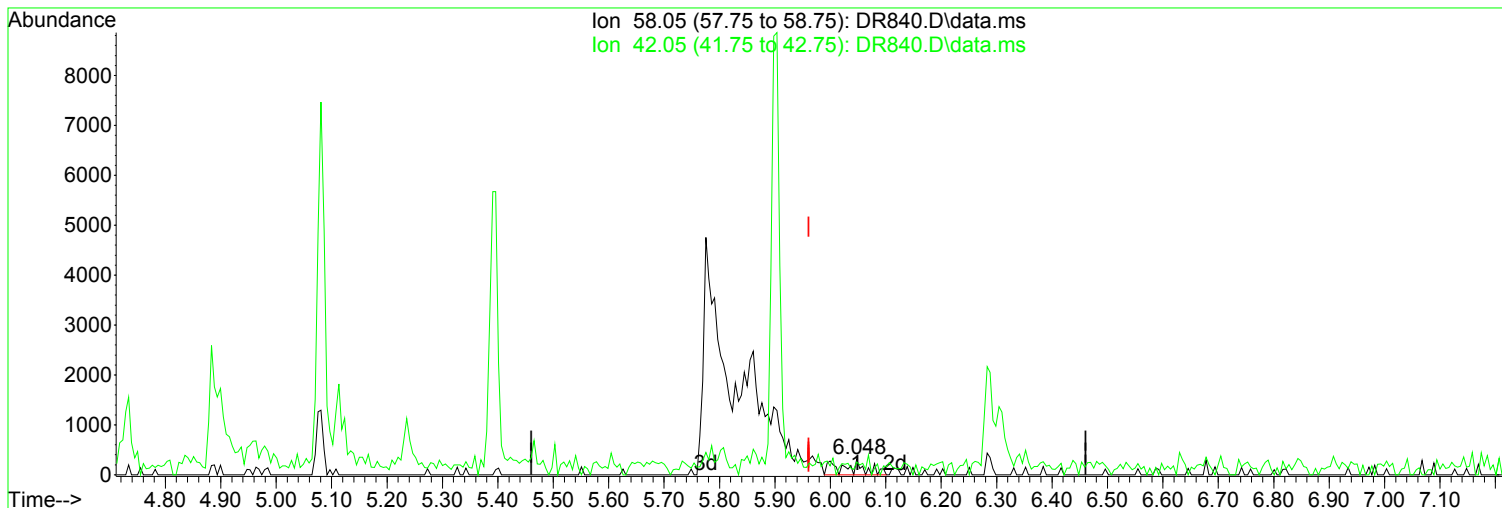
Peak not found.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.048min (+ 0.086) 0.11 ppm

Before

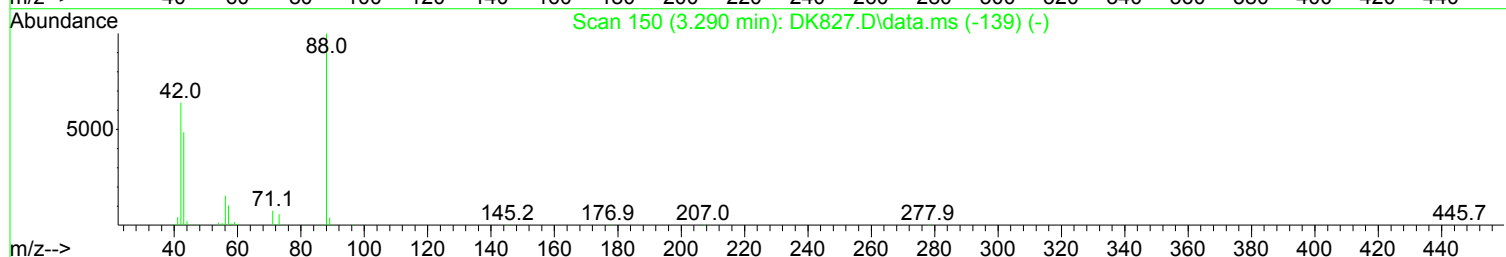
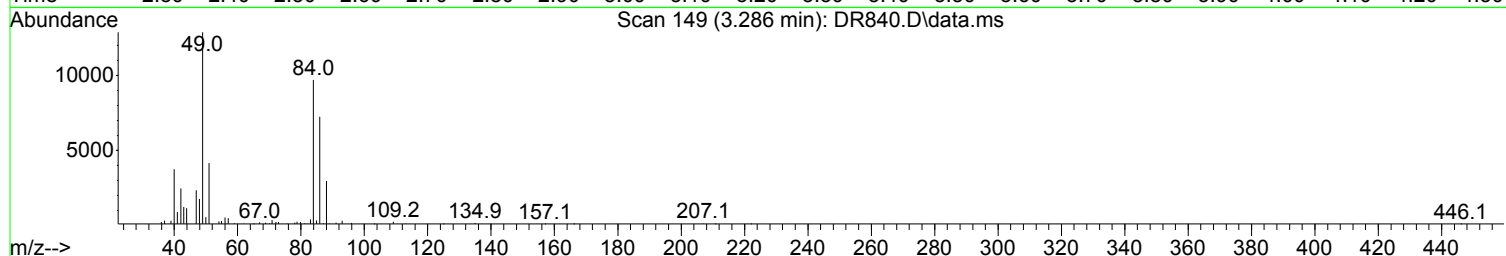
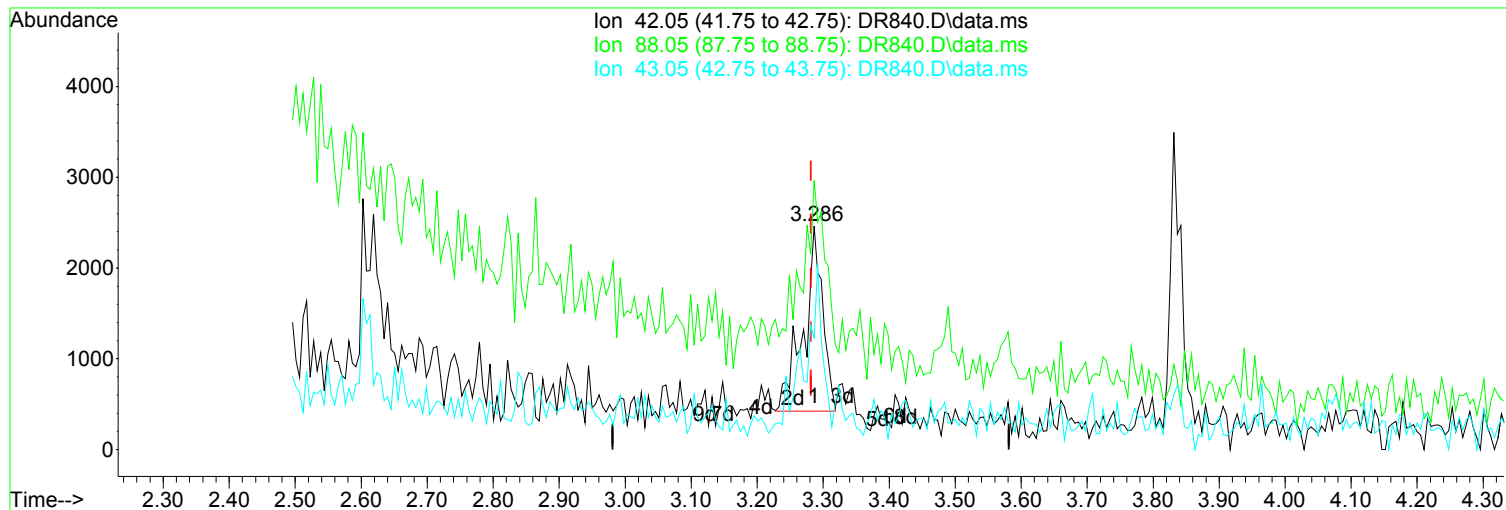
response 880

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	16.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 2.25 ppm m

After

response 4092

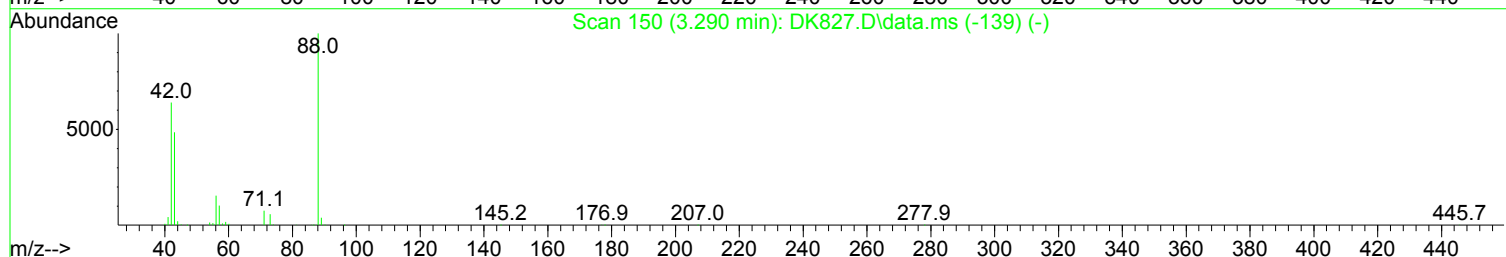
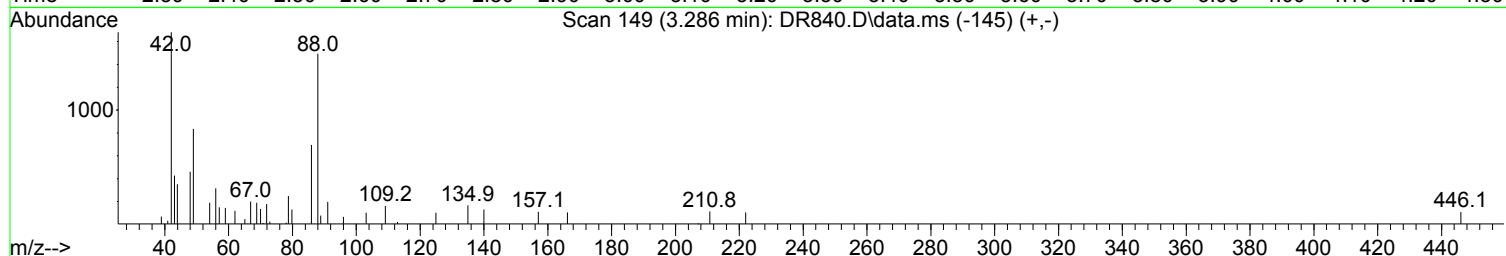
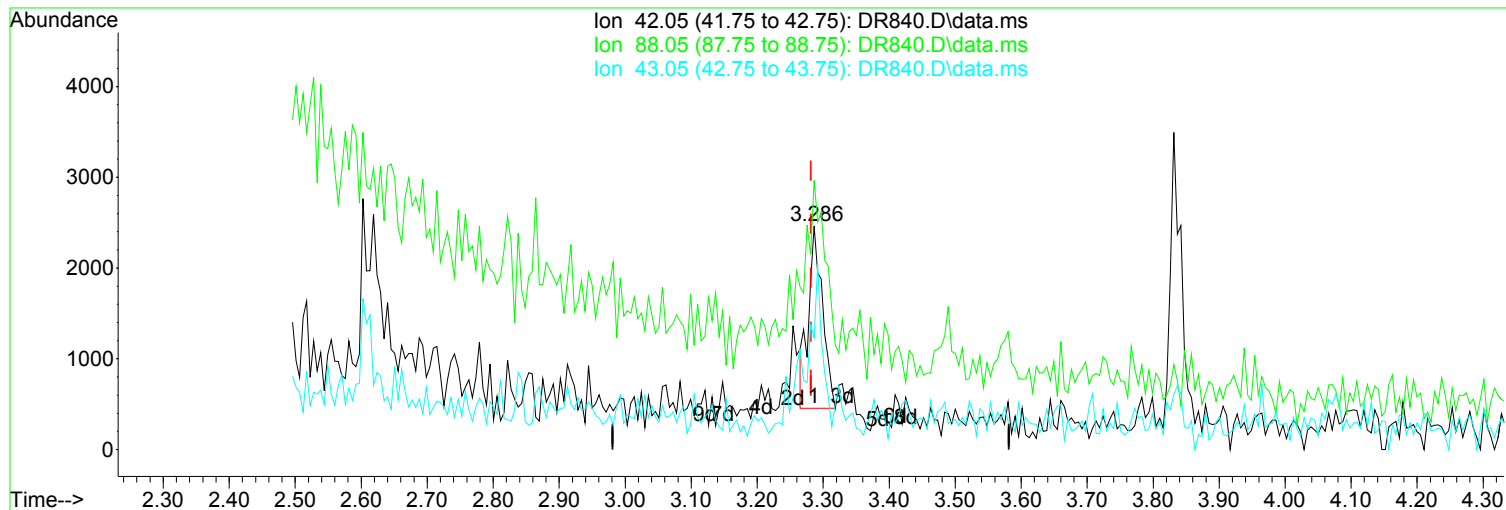
Poor integration.

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	120.39
43.05	73.90	50.12
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(5) N-Nitrosomethylamine (TM)

Manual Integration:

3.286min (+ 0.005) 1.65 ppm

Before

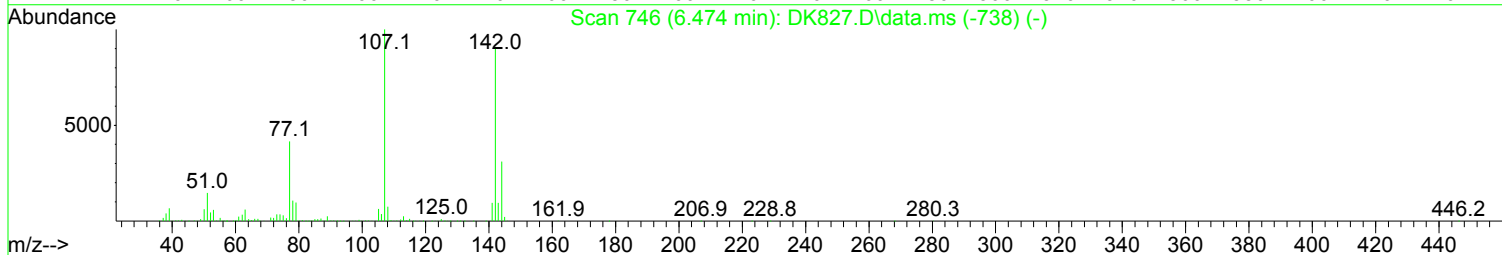
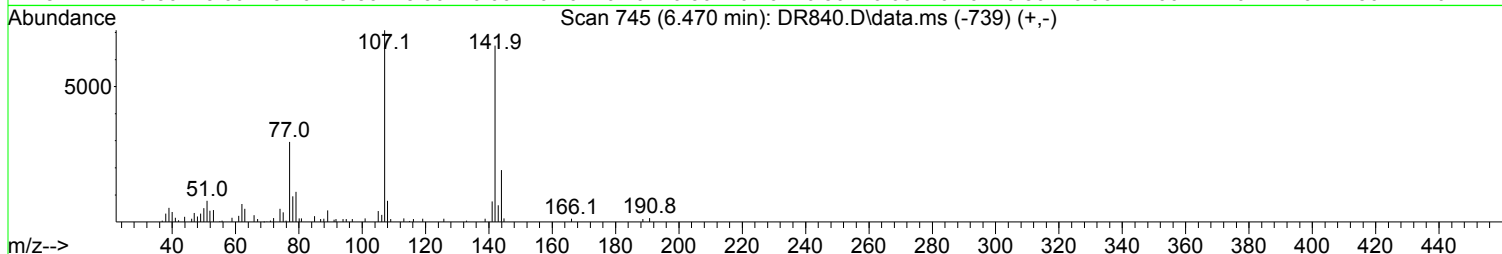
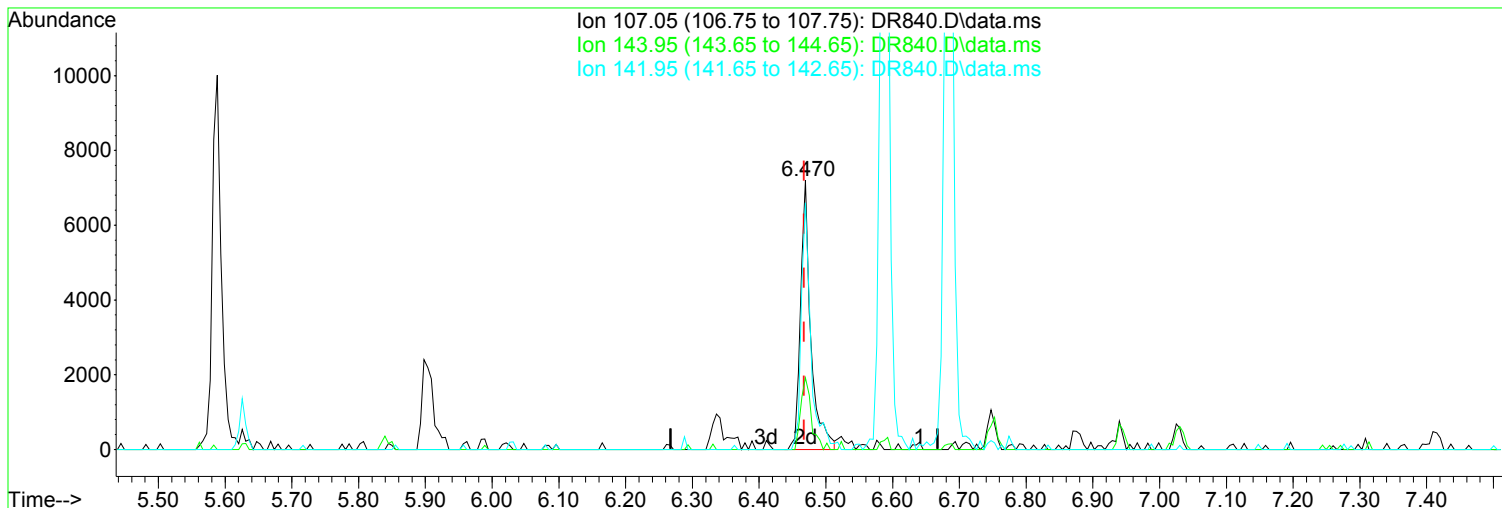
response 2987

Ion	Exp%	Act%
42.05	100.00	100.00
88.05	115.80	88.76
43.05	73.90	25.42#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.470min (+ 0.002) 2.52 ppm m

After

response 7676

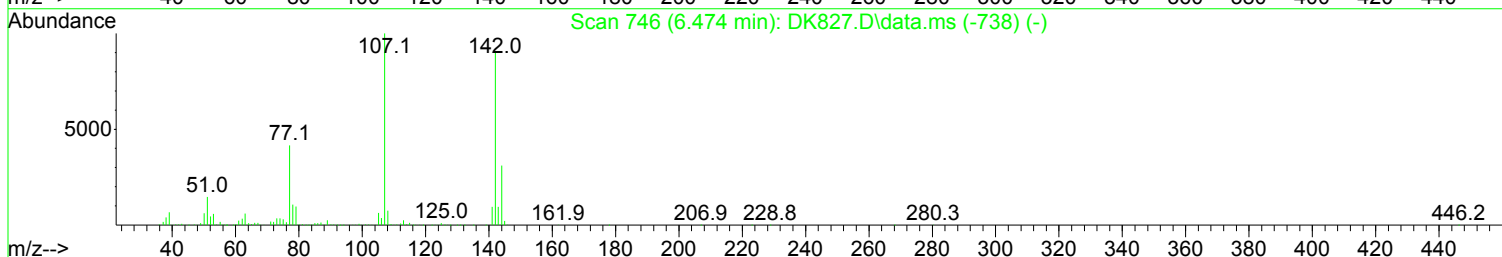
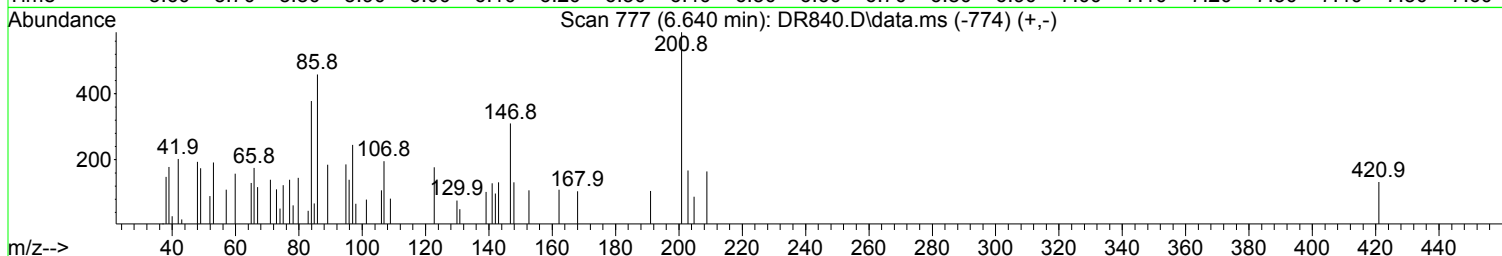
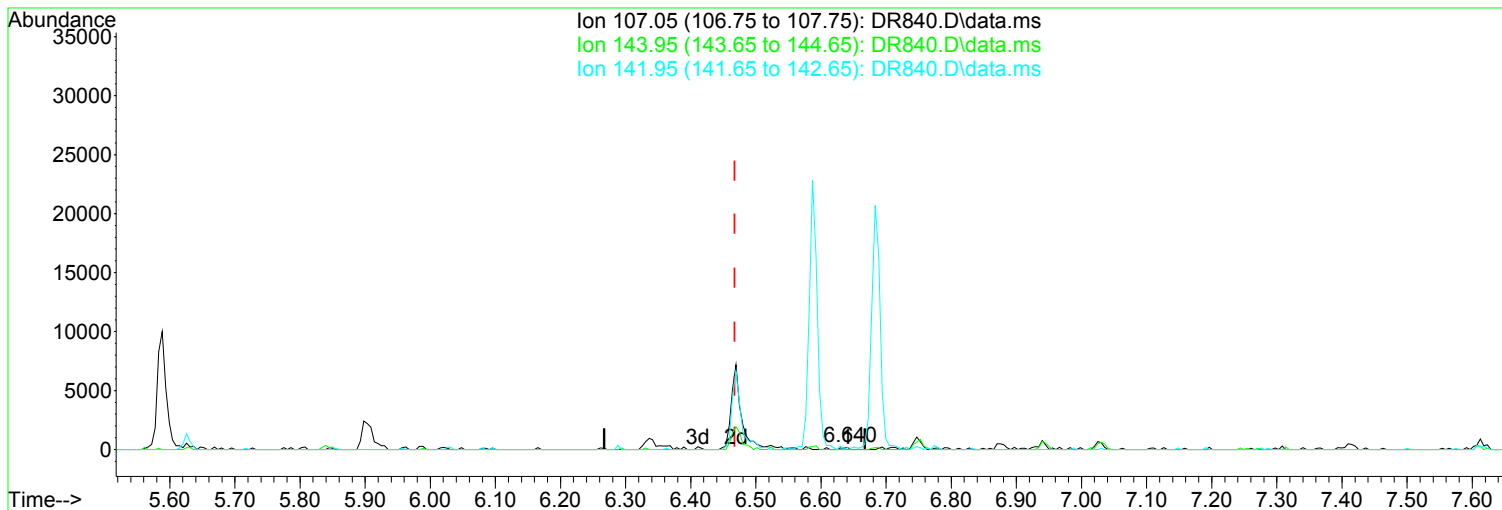
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	26.66
141.95	49.90	91.66#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR840.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.640min (+ 0.173) 0.05 ppm

Before

response 141

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	49.74
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.734	152	112429	40.00	ppm	0.00
33) d8-Naphthalene	5.903	136	406648	40.00	ppm	0.00
57) d10-Acenaphthene	7.613	164	207367	40.00	ppm	0.00
91) d10-Phenanthrene	9.081	188	326792	40.00	ppm	0.00
117) d12-Chrysene	12.350	240	293632	40.00	ppm	0.00
135) d12-Perylene	15.288	264	298347	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.665	112	10024	2.45	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	2.45%#
12) SURR2,PHENOL-D6	4.429	99	12557	2.50	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	2.50%#
34) SURR4,NITROBENZENE-D5	5.236	82	11319	2.74	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	5.48%#
63) SURR5,2-FLUOROBIPHENYL	6.940	172	20369	2.58	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	5.16%#
88) SURR3,2,4,6-TRIBROMOPH...	8.398	330	2144	2.52	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	2.52%#
124) SURR6,TERPHENYL-D14	10.769	244	17535	2.53	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	5.06%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Pyridine	2.661	79	9421m	2.183	ppm	
3) N-Nitrosodimethylamine	2.603	74	6118m	2.331	ppm	
4) 2-Picoline	3.211	93	11201	2.508	ppm	91
5) N-Nitrosomethylamine	3.286	42	4092m	2.254	ppm	
6) Methyl Methansulfonate	3.527	80	4874	2.396	ppm	99
8) N-Nitrosodiethylamine	3.831	102	4712	2.363	ppm	97
9) Ethyl Mathanesulfonate	4.077	79	9543	2.776	ppm	96
10) Benzaldehyde	4.365	106	15170	5.275	ppm	92
11) Aniline	4.456	93	16451	2.566	ppm	96
13) Phenol	4.440	94	13614	2.478	ppm	97
14) bis(2-Clethyl)Ether	4.493	93	9694	2.550	ppm	94
15) Pentachloroethane	4.493	117	3940	2.574	ppm	78
16) 2-Chlorophenol	4.563	128	10254	2.376	ppm	93
17) 1,3-Diclbzene	4.686	146	10905	2.428	ppm	92
18) 1,4-Dichlorobenzene	4.750	146	11017	2.397	ppm	95
19) 1,2-Diclbzene	4.883	146	11565	2.633	ppm	94
20) Benzyl Alcohol	4.862	79	7264	2.485	ppm	89
21) 1-Methyl-2-pyrrolidinone	4.894	99	6611	2.475	ppm	86
22) 2,2'-oxybis(1-Chloropr...	4.958	45	9537	2.611	ppm	# 68
23) 2-Methylphenol	4.963	108	10147	2.620	ppm	88
24) 3+4-Methylphenol	5.102	108	10837	2.473	ppm	# 79
25) Acetophenone	5.092	105	13719	2.521	ppm	89
26) N-Nitroso-Di-n-propyla...	5.081	70	7938	2.704	ppm	97
27) N-Nitrosopyrrolidine	5.081	100	5416	2.537	ppm	# 64
28) N-Nitrosomorpholine	5.113	56	5704	2.715	ppm	98
29) o-Toluidine	5.124	106	14993	2.481	ppm	87
30) Hexachloroethane	5.182	117	4038	2.282	ppm	90
31) o,o,o-Triethylphosphor...	5.626	198	4544	2.466	ppm	88
32) Alpha-terpinol	5.925	121	3592	2.502	ppm	78
35) Nitrobenzene	5.252	77	11561	2.790	ppm	96
36) N-Nitrosopiperidine	5.396	42	6228	2.765	ppm	95
37) Isophorone	5.465	82	17643	2.554	ppm	96
38) 2-Nitrophenol	5.546	139	5093	2.375	ppm	95

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR840.D
 Acq On : 30 Apr 2019 10:09 am
 Operator : JMisiurewicz
 Sample : 2.5 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 01 08:53:37 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	9628	2.493	ppm	88
40) bis(-2-Chloroethoxy)Me...	5.663	93	10254	2.524	ppm	94
42) 2,4-Dichlorophenol	5.791	162	7692	2.515	ppm	97
43) a,a-Dimethylphenethyla...	5.775	58	19415m	2.517	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	8449	2.620	ppm	94
45) Naphthalene	5.925	128	29976	2.675	ppm	98
46) 4-Chloroaniline	5.984	127	12563	2.679	ppm	85
47) 2,6-Dichlorophenol	5.989	162	7902	2.470	ppm	94
48) Hexachlorobutadiene	6.021	225	4347	2.660	ppm	89
49) Hexachloropropene	6.000	213	5301	2.596	ppm	82
50) 4-Chloro-3-methylphenol	6.470	107	7676m	2.517	ppm	
51) N-N-di-n-butylamine	6.283	84	6465	2.668	ppm	97
52) Caprolactam	6.304	113	3082	2.542	ppm	88
53) p-Phenylenediamine	6.331	80	1861	2.324	ppm	# 58
54) Safrole	6.496	162	7218	2.509	ppm	96
55) 2-Methylnaphthalene	6.587	142	19836	2.735	ppm	97
56) 1-Methylnaphthalene	6.683	142	18975	2.796	ppm	95
58) Hexachlorocyclopentadiene	6.731	237	1472	2.268	ppm	75
59) 1,2,4,5-Tetrachloroben...	6.747	216	7691	2.520	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.030	216	8340	2.595	ppm	95
61) 2,4,6-Trichlorophenol	6.875	196	4457	2.306	ppm	94
62) 2,4,5-Trichlorophenol	6.934	196	5123	2.464	ppm	95
64) Isosafrole	7.004	104	3124	2.342	ppm	83
65) 1,1'-Biphenyl	7.041	154	24320	2.647	ppm	94
66) 2-Chloronaphthalene	7.068	162	17451	2.628	ppm	97
67) 2-Nitroaniline	7.180	65	4975	2.621	ppm	# 78
68) 1,4-Naphthoquinone	7.255	158	4619	2.216	ppm	91
69) m-Dinitrobenzene	7.399	168	3443	2.639	ppm	94
70) Acenaphthylene	7.474	152	27483	2.584	ppm	95
71) Dimethyl phthalate	7.340	163	22107	2.848	ppm	95
72) 2,6-Dinitrotoluene	7.415	165	4427	2.512	ppm	91
73) Acenaphthene	7.645	153	19297	2.608	ppm	95
74) 3-Nitroaniline	7.591	138	5046	2.491	ppm	87
76) Dibenzofuran	7.815	168	23268	2.547	ppm	87
77) 2,4-Dinitrotoluene	7.815	165	5639	2.423	ppm	95
79) Pentachlorobenzene	7.767	250	6343	2.593	ppm	96
80) 1-Napthylamine	7.901	143	12646	2.629	ppm	91
81) 2-Napthylamine	7.981	143	16172	2.638	ppm	95
82) 2,3,4,6-Tetrachlorophenol	7.954	232	3035	2.136	ppm	69
83) Fluorene	8.152	166	20028	2.666	ppm	94
84) 4-Chlorophenyl-phenyle...	8.147	204	8043	2.654	ppm	96
85) Diethylphthalate	8.029	149	20563	2.675	ppm	94
86) 4-Nitroaniline	8.200	138	4766	2.385	ppm	85
87) 5-Nitro-o-toluidine	8.179	152	5588	2.463	ppm	79
89) Sulfotepp	8.414	322	2661	2.773	ppm	89
90) Octachlorocyclopentene	8.392	307	2207	2.260	ppm	# 72
92) Thionazin	8.109	107	3108	2.424	ppm	99
93) 4,6-Dinitro-2-methylph...	8.216	198	1915	1.520	ppm	# 60
94) Diphenylamine	8.269	169	30114	5.215	ppm	96
95) 1,2 Diphenylhydrazine	8.302	77	19640	2.695	ppm	90
96) N-Nitrosodiphenylamine	8.269	169	30114	5.215	ppm	96
97) 1,3,5-Trinitrobenzene	8.590	74	2065	1.981	ppm	# 73
98) Diallate	8.542	86	8796	2.986	ppm	98
99) Phorate	8.553	121	3742	2.476	ppm	88
100) Phenacetin	8.585	108	9575	2.514	ppm	97
101) 4-Bromophenyl-phenylether	8.633	248	4284	2.507	ppm	# 80

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR840.D
Acq On : 30 Apr 2019 10:09 am
Operator : JMisiurewicz
Sample : 2.5 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 6 Sample Multiplier: 1

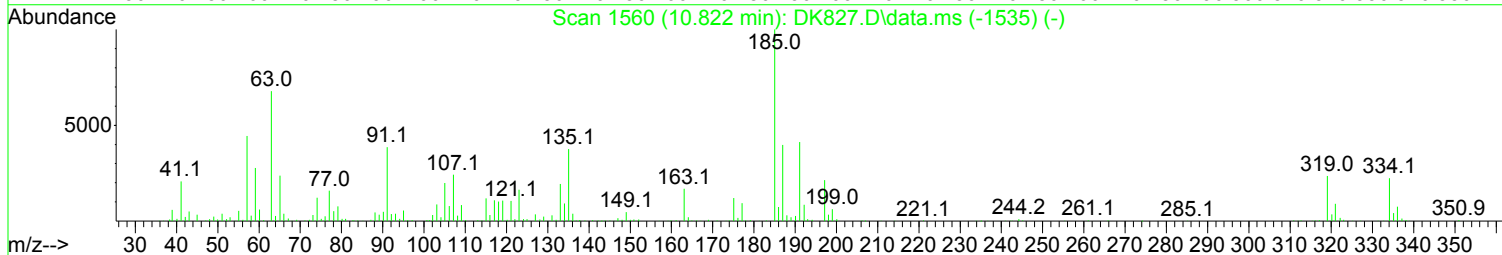
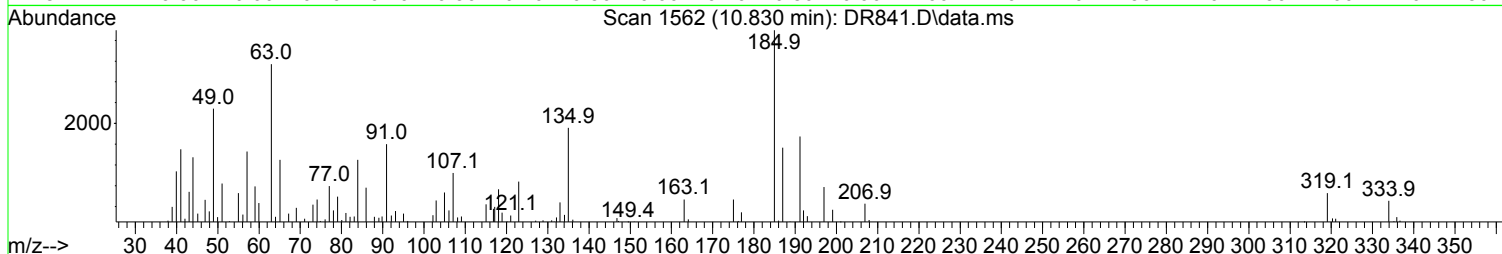
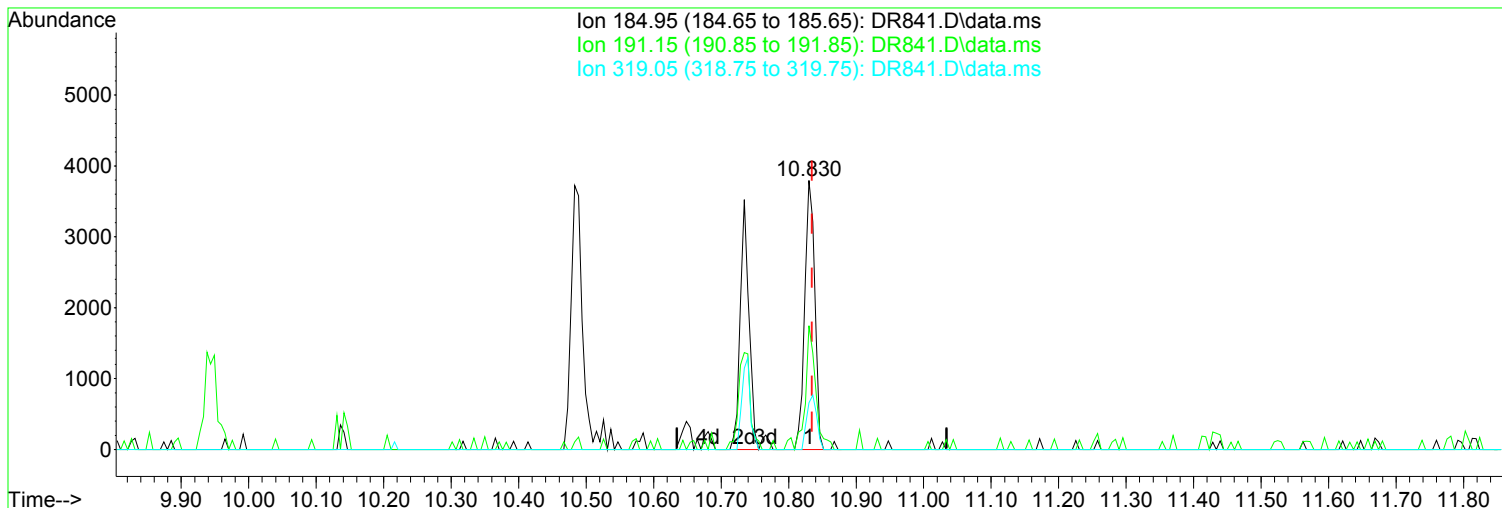
Quant Time: May 01 08:53:37 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) Hexachlorobenzene	8.691	284	5336	2.777	ppm	93
103) Dimethoate	8.734	87	6013	2.408	ppm	92
104) Atrazine	8.798	215	2478	2.652	ppm	89
105) Pentachlorophenol	8.910	266	549	4.035	ppm	88
106) 4-Aminobiphenyl	8.900	169	13920	2.372	ppm	95
107) Pentachloronitrobenzene	8.900	237	1649	2.323	ppm	86
108) Pronamide	8.948	173	7920	2.370	ppm	97
109) Dinoseb	9.071	211	2119	1.278	ppm	# 69
110) Disulfoton	9.071	88	13037	3.442	ppm	89
111) Phenanthrene	9.108	178	27356	2.647	ppm	95
112) Anthracene	9.156	178	26345	2.566	ppm	96
113) Carbazole	9.327	167	24783	2.457	ppm	95
114) Di-n-butylphthalate	9.647	149	31636	2.427	ppm	96
116) Fluoranthene	10.320	202	26070	2.464	ppm	96
118) Methyl Parathion	9.450	109	6006	2.580	ppm	85
119) Ethyl Parathion	9.829	97	4444	2.555	ppm	96
120) Methapyrilene	9.941	58	6664	2.634	ppm	91
121) Isodrin	10.139	193	2668	2.485	ppm	93
122) Benzidine	10.486	184	16409	2.382	ppm	90
123) Pyrene	10.588	202	25727	2.386	ppm	98
125) Aramite	10.833	185	3704m	2.507	ppm	
126) p-(Dimethylamino)azobe...	10.951	120	7604	2.374	ppm	97
127) Chlorobenzilate	11.004	139	9073	2.425	ppm	89
128) Butyl benzyl phthalate	11.437	149	15735	2.631	ppm	86
129) 3,3-Dimethylbenzidine	11.431	212	14983	2.285	ppm	99
130) 2-Acetylaminofluorene	11.827	181	11146	2.333	ppm	94
131) 3,3'-Dichlorobenzidine	12.313	252	9753	2.497	ppm	92
132) Benzo(a)anthracene	12.329	228	26022	2.610	ppm	93
133) Chrysene	12.393	228	24184	2.637	ppm	95
134) bis(2-Ethylhexyl)phtha...	12.403	149	20931	2.543	ppm	85
136) Di-n-octyl phthalate	13.723	149	35565	2.512	ppm	98
137) 7,12-Dimethylbenz(a)an...	14.433	256	10405	2.307	ppm	81
138) Benzo(b)Fluoranthene	14.454	252	26212	2.640	ppm	96
139) Benzo(k)fluoranthene	14.513	252	24151	2.568	ppm	97
140) Benzo(a)pyrene	15.154	252	20847	2.442	ppm	97
141) 3-Methylcholanthrene	15.939	268	12482	2.496	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.248	276	20220	2.415	ppm	94
143) Dibenz(a,h)anthracene	17.296	278	22715	2.589	ppm	96
144) Benzo(g,h,i)perylene	17.712	276	19696	2.729	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 4.90 ppm m

After

response 7296

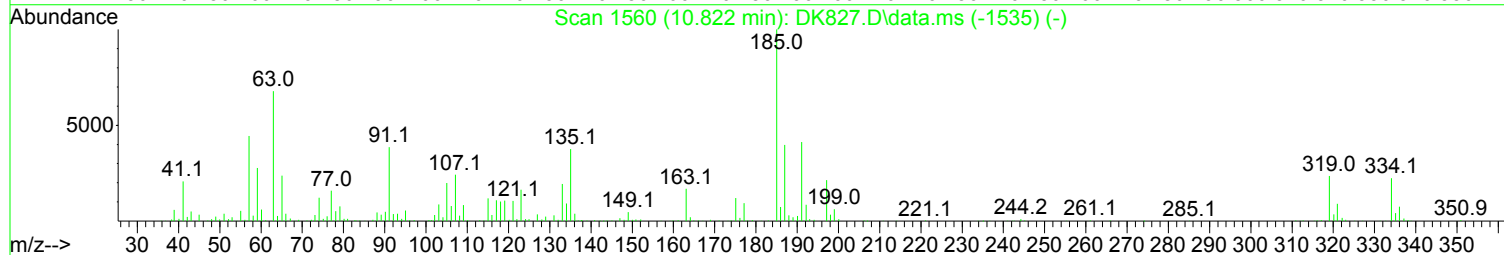
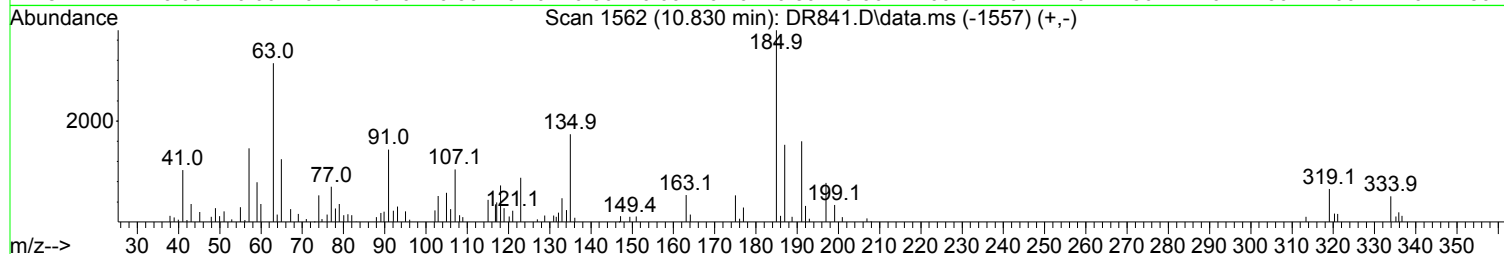
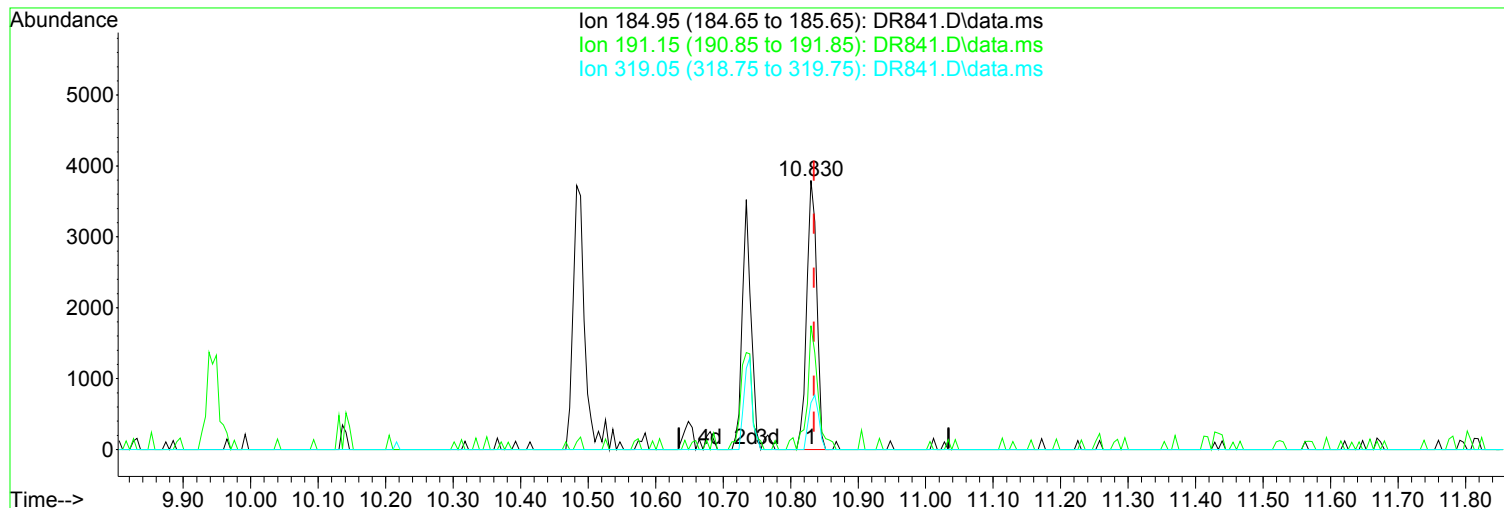
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	46.06
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.830min (-0.005) 2.63 ppm

Before

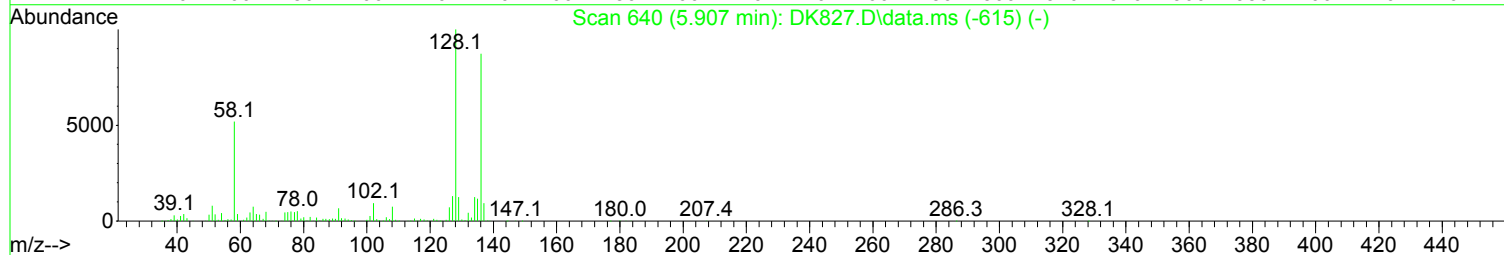
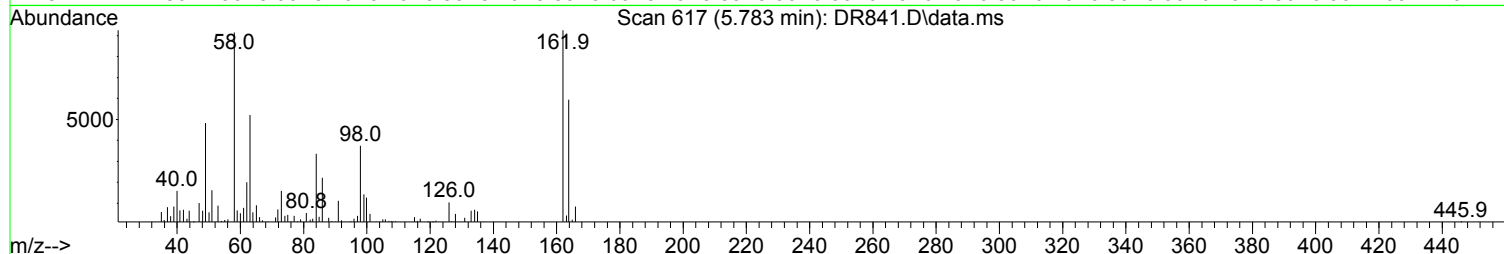
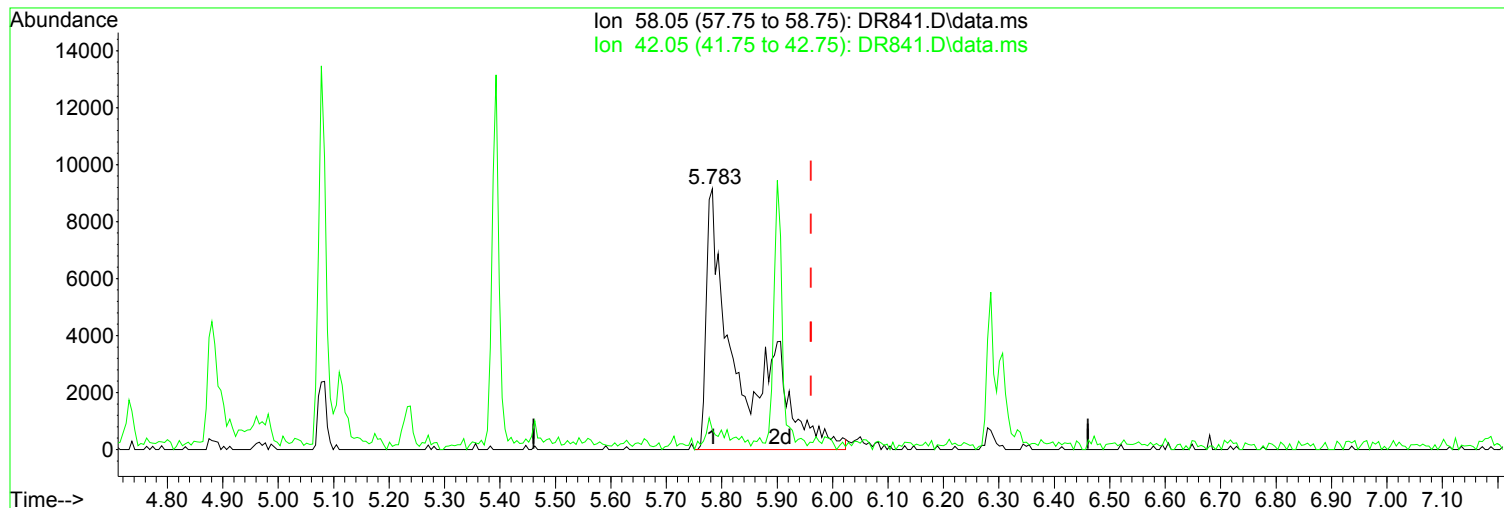
response 3923

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.11
319.05	16.80	17.39
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 4.87 ppm m

After

response 37152

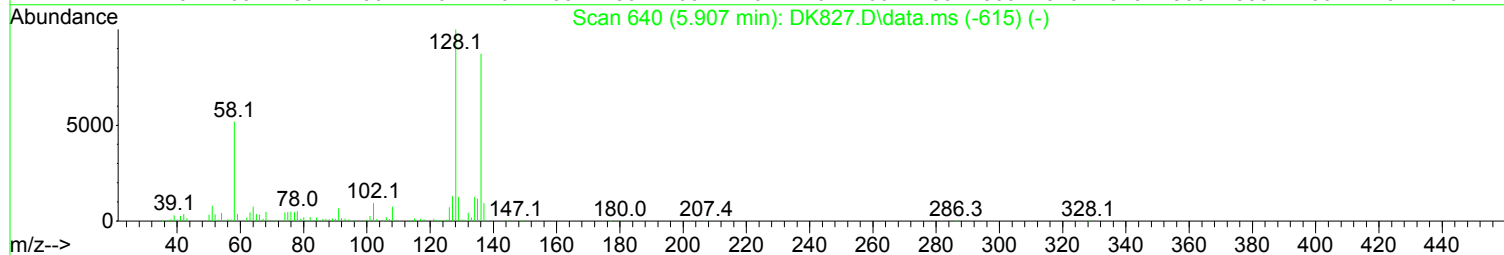
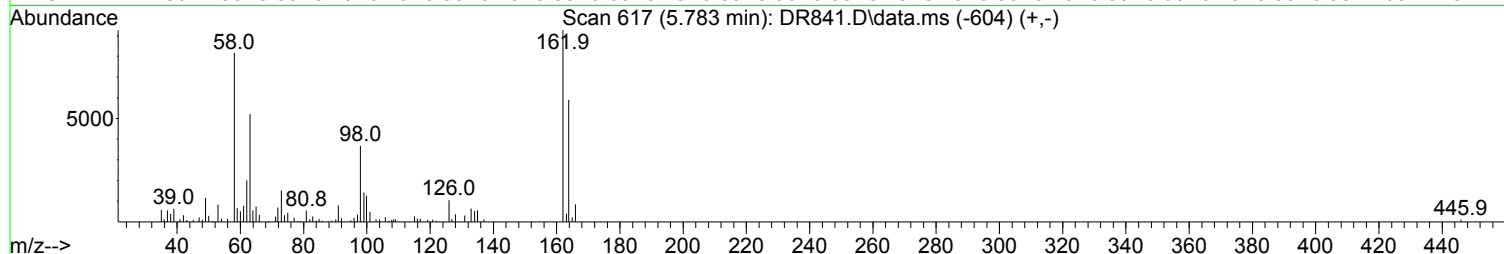
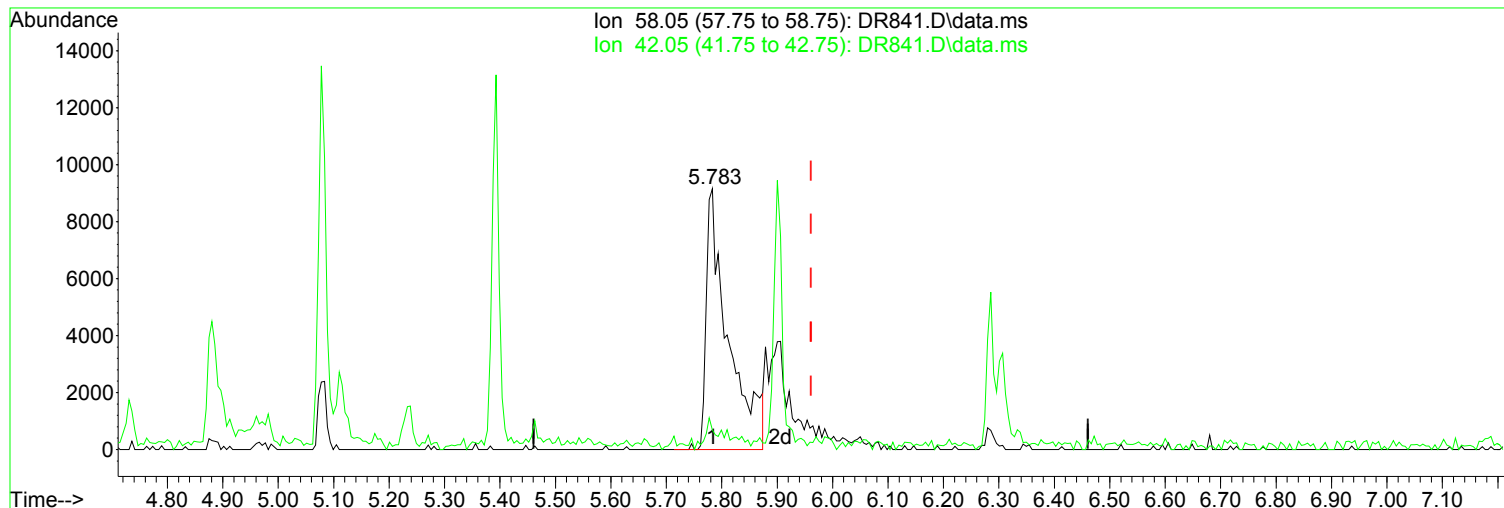
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.51
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.783min (-0.178) 3.27 ppm

Before

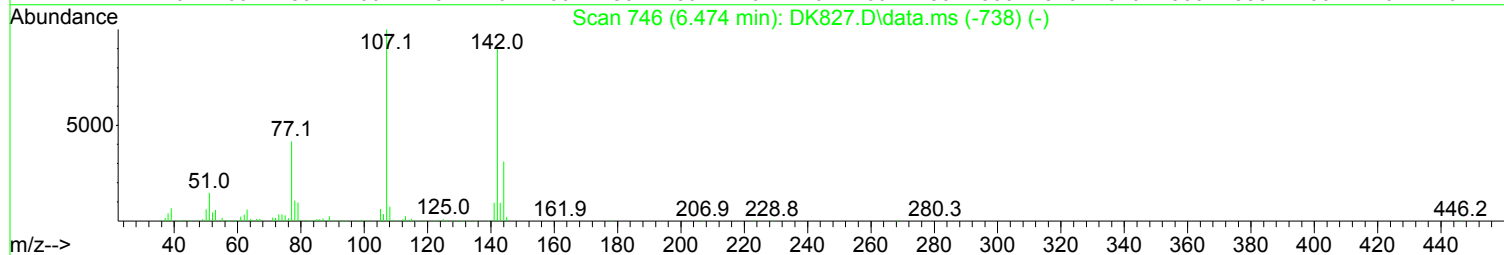
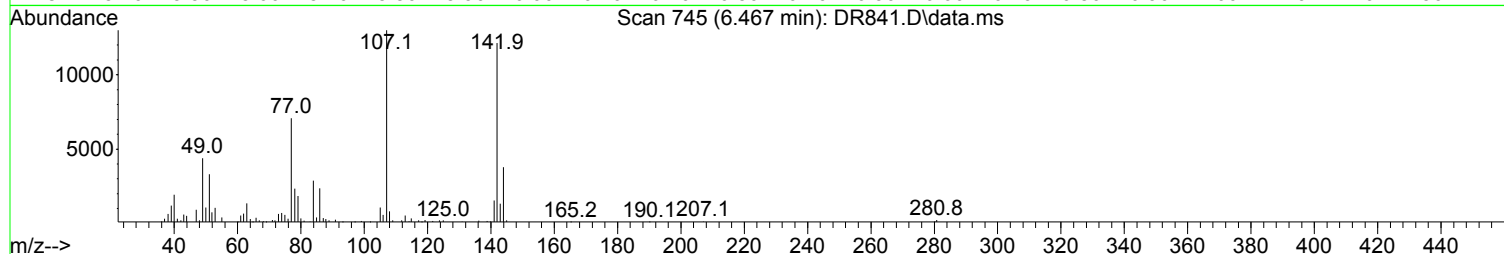
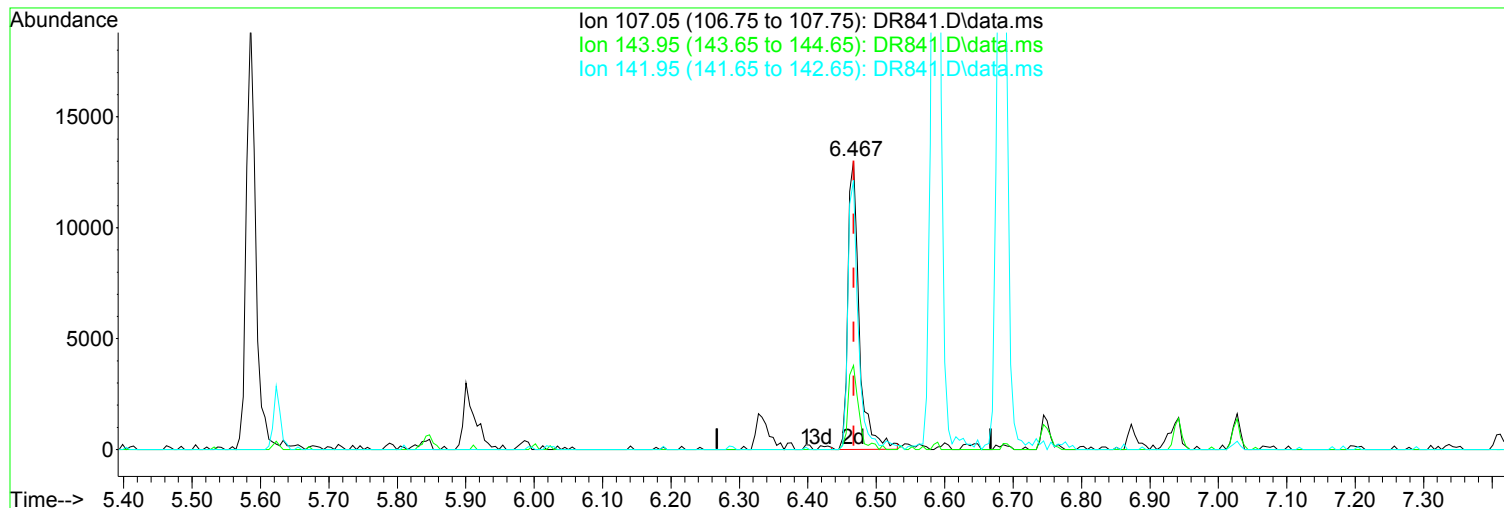
response 24966

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	4.07
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.467min (-0.001) 4.96 ppm m

After

response 14966

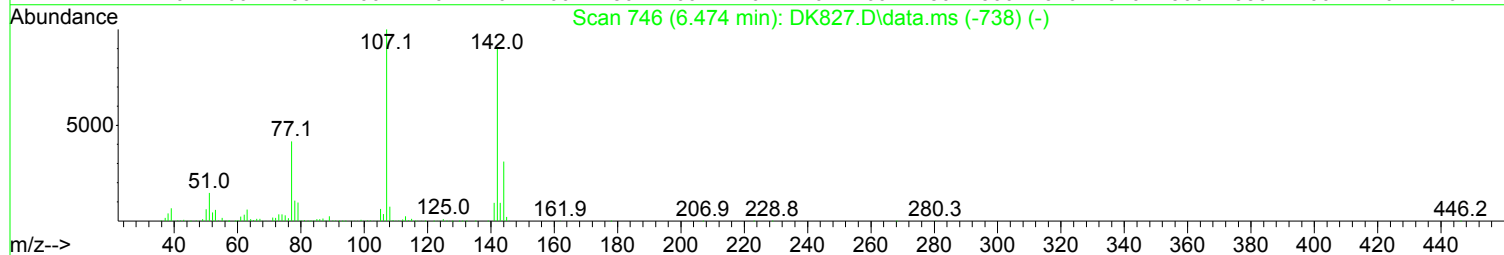
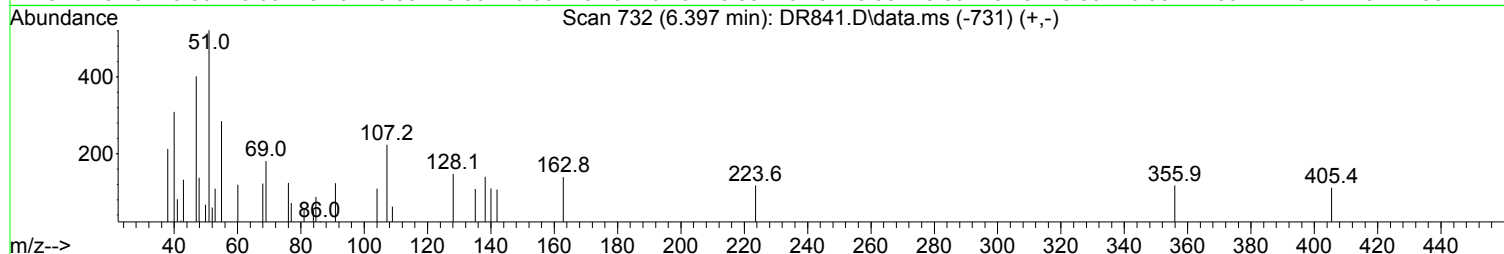
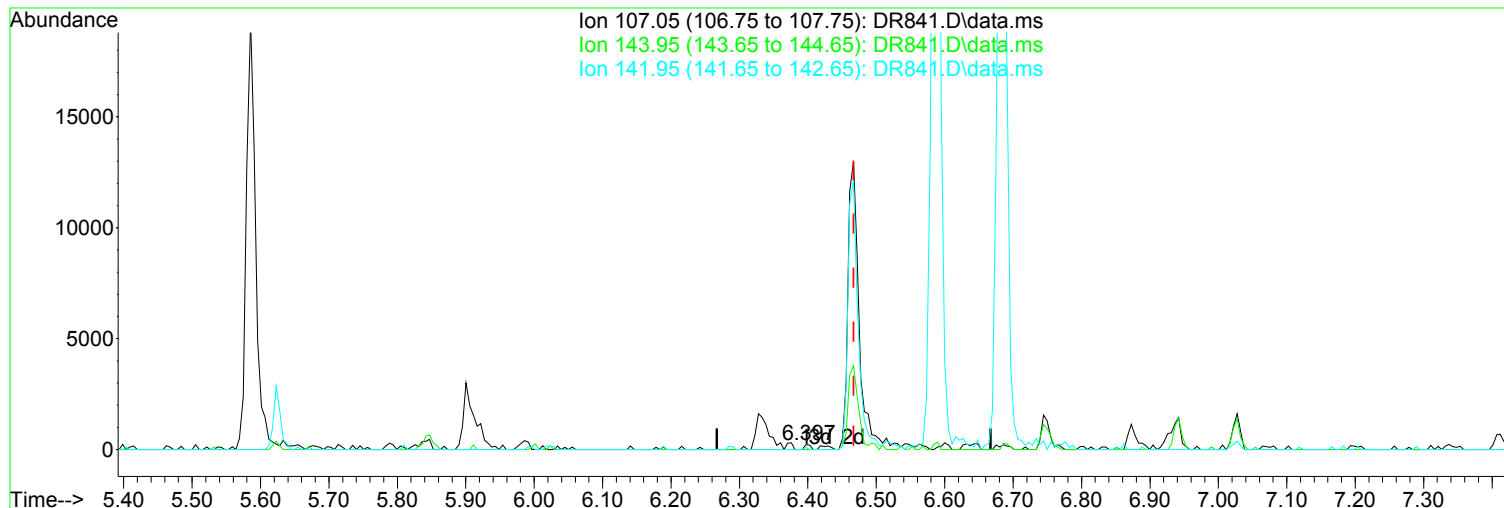
Peak not found.

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	29.18
141.95	49.90	93.32#
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(50) 4-Chloro-3-methylphenol (TMC)

Manual Integration:

6.397min (-0.070) 0.04 ppm

Before

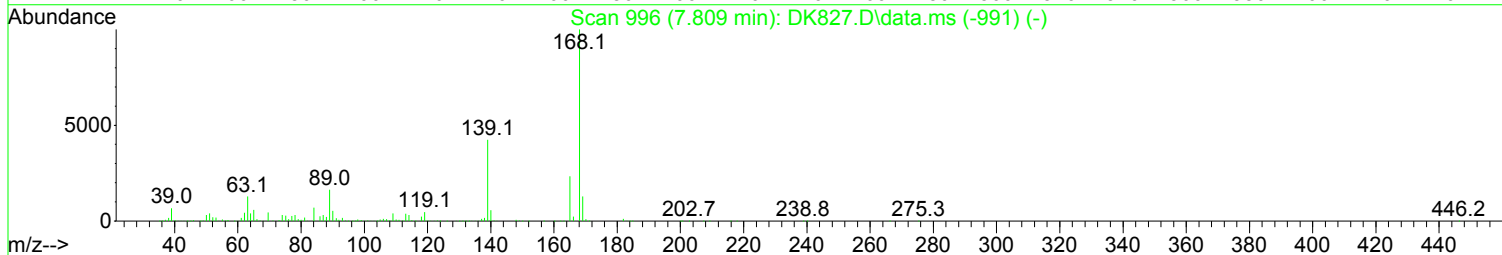
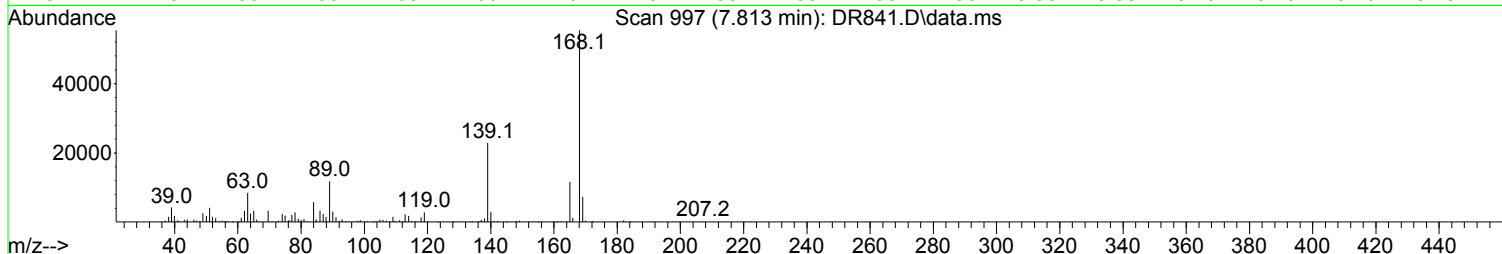
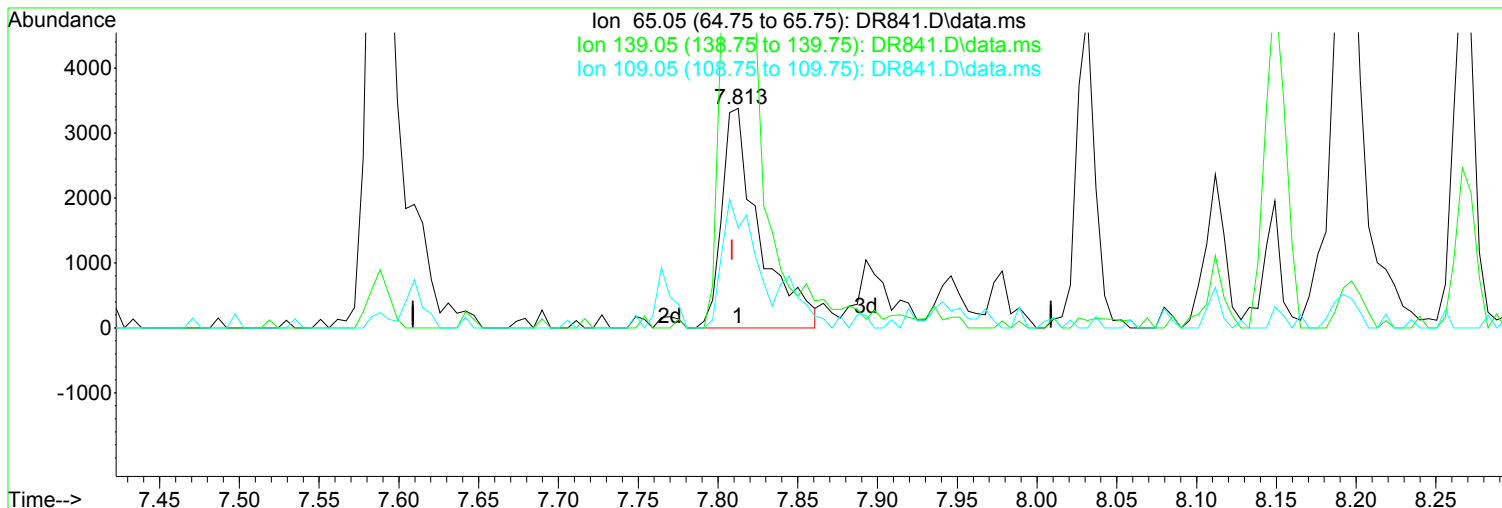
response 135

Ion	Exp%	Act%
107.05	100.00	100.00
143.95	28.90	0.00
141.95	49.90	47.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 4.17 ppm m

After

response 5503

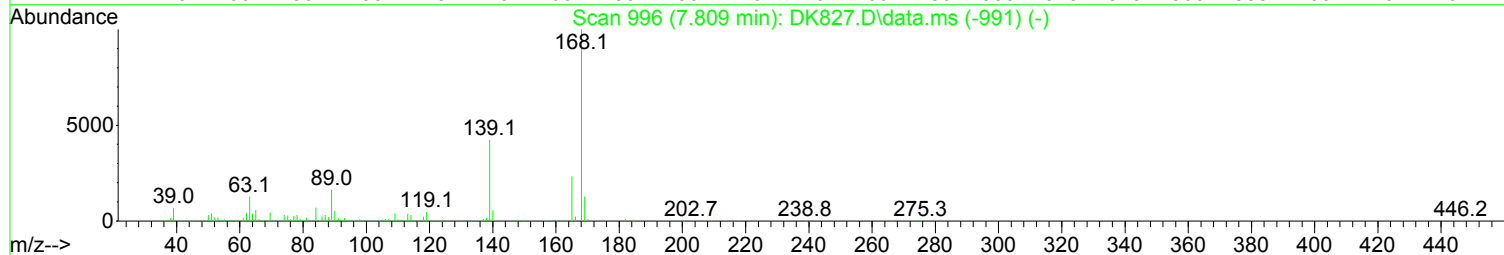
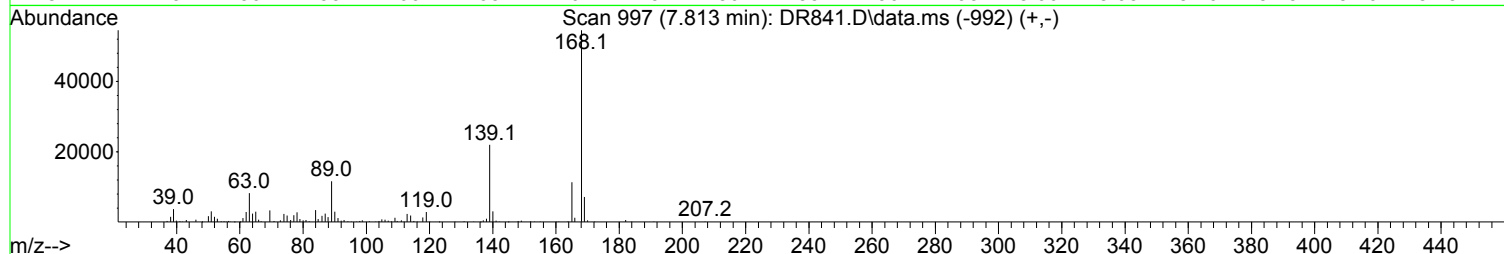
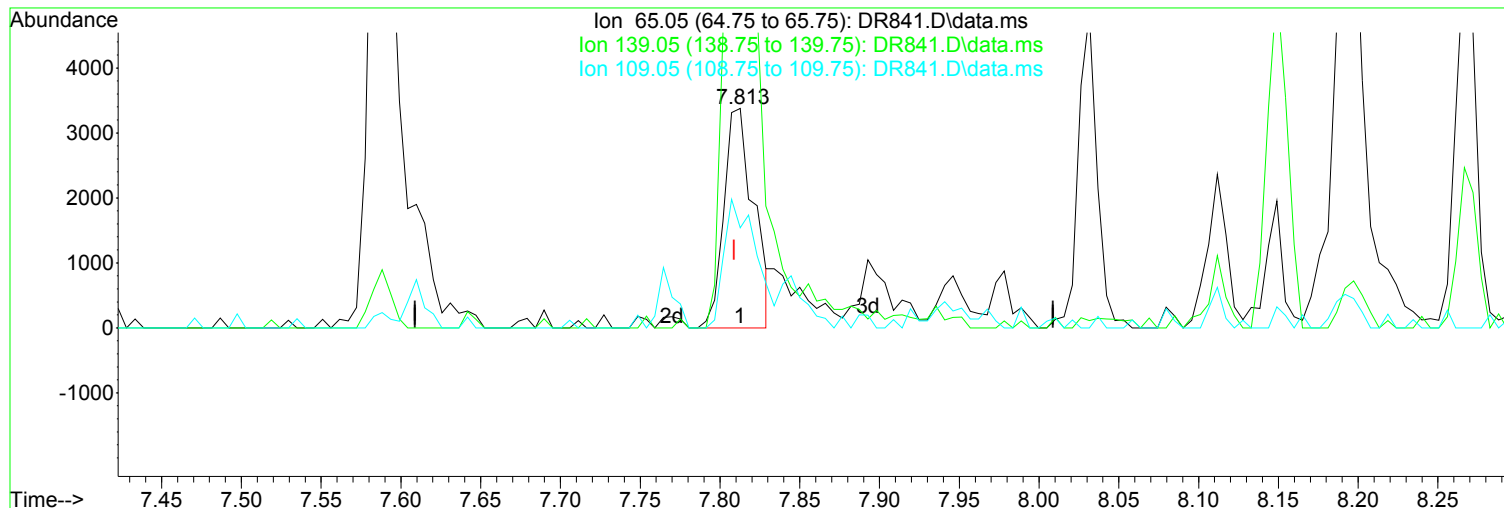
Poor integration.

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	677.25#
109.05	68.90	45.65
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR841.D\data.ms

(78) 4-Nitrophenol (TMP)

Manual Integration:

7.813min (+ 0.004) 3.31 ppm

Before

response 4368

Ion	Exp%	Act%
65.05	100.00	100.00
139.05	423.70	750.52#
109.05	68.90	54.48
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR841.D
Acq On : 30 Apr 2019 10:38 am
Operator : JMisiurewicz
Sample : 5.0 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	107680	40.00	ppm	0.00
33) d8-Naphthalene	5.901	136	402250	40.00	ppm	0.00
57) d10-Acenaphthene	7.610	164	202008	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	315533	40.00	ppm	0.00
117) d12-Chrysene	12.352	240	296135	40.00	ppm	0.00
135) d12-Perylene	15.290	264	302163	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	19693	5.03	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	5.03%#
12) SURR2,PHENOL-D6	4.426	99	23783	4.94	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	4.94%#
34) SURR4,NITROBENZENE-D5	5.233	82	20943	5.13	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	10.26%#
63) SURR5,2-FLUOROBIPHENYL	6.942	172	40231	5.24	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	10.48%#
88) SURR3,2,4,6-TRIBROMOPH...	8.395	330	3916	4.73	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	4.73%#
124) SURR6,TERPHENYL-D14	10.766	244	34360	4.93	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	9.86%#

Target Compounds						Qvalue
2) Pyridine	2.637	79	21419	5.182	ppm	94
3) N-Nitrosodimethylamine	2.600	74	10813	4.301	ppm	87
4) 2-Picoline	3.209	93	21435	5.012	ppm	95
5) N-Nitrosomethylamine	3.283	42	8303	4.776	ppm	# 73
6) Methyl Methansulfonate	3.524	80	9939	5.102	ppm	86
8) N-Nitrosodiethylamine	3.833	102	8958	4.691	ppm	90
9) Ethyl Mathanesulfonate	4.074	79	15868	4.820	ppm	87
10) Benzaldehyde	4.362	106	28046	10.182	ppm	100
11) Aniline	4.453	93	30721	5.003	ppm	98
13) Phenol	4.437	94	26166	4.972	ppm	94
14) bis(2-Clethyl)Ether	4.496	93	17614	4.837	ppm	91
15) Pentachloroethane	4.490	117	7298	4.978	ppm	95
16) 2-Chlorophenol	4.560	128	19686	4.762	ppm	94
17) 1,3-Diclbzene	4.683	146	22167	5.153	ppm	97
18) 1,4-Dichlorobenzene	4.747	146	22452	5.100	ppm	96
19) 1,2-Diclbzene	4.880	146	21300	5.064	ppm	96
20) Benzyl Alcohol	4.859	79	12859	4.593	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.880	99	12499	4.885	ppm	97
22) 2,2'-oxybis(1-Chloropr...	4.960	45	19339	5.527	ppm	# 63
23) 2-Methylphenol	4.960	108	18359	4.950	ppm	94
24) 3+4-Methylphenol	5.105	108	20094	4.788	ppm	99
25) Acetophenone	5.089	105	27640	5.303	ppm	98
26) N-Nitroso-Di-n-propyla...	5.078	70	13705	4.875	ppm	97
27) N-Nitrosopyrrolidine	5.083	100	10242	5.010	ppm	94
28) N-Nitrosomorpholine	5.110	56	10432	5.184	ppm	94
29) o-Toluidine	5.121	106	31153	5.382	ppm	81
30) Hexachloroethane	5.179	117	8685	5.125	ppm	86
31) o,o-Triethylphosphor...	5.623	198	8641	4.896	ppm	88
32) Alpha-terpinol	5.922	121	7343	5.340	ppm	93
35) Nitrobenzene	5.254	77	21051	5.135	ppm	99
36) N-Nitrosopiperidine	5.393	42	11074	4.969	ppm	95
37) Isophorone	5.463	82	35984	5.266	ppm	99
38) 2-Nitrophenol	5.548	139	10209	4.813	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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 Acq On : 30 Apr 2019 10:38 am
 Operator : JMisiurewicz
 Sample : 5.0 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	19020	4.979	ppm	93
40) bis(-2-Chloroethoxy)Me...	5.660	93	21942	5.461	ppm	95
42) 2,4-Dichlorophenol	5.788	162	14343	4.740	ppm	96
43) a,a-Dimethylphenethyla...	5.783	58	37152m	4.870	ppm	
44) 1,2,4-Trichlorobenzene	5.842	180	16483	5.167	ppm	96
45) Naphthalene	5.922	128	57722	5.206	ppm	99
46) 4-Chloroaniline	5.981	127	23188	4.998	ppm	96
47) 2,6-Dichlorophenol	5.986	162	16286	5.147	ppm	90
48) Hexachlorobutadiene	6.023	225	8202	5.074	ppm	98
49) Hexachloropropene	5.997	213	9986	4.944	ppm	95
50) 4-Chloro-3-methylphenol	6.467	107	14966m	4.961	ppm	
51) N-N-di-n-butylamine	6.285	84	11913	4.971	ppm	97
52) Caprolactam	6.306	113	6449	5.377	ppm	77
53) p-Phenylenediamine	6.328	80	4067	5.135	ppm	# 72
54) Safrole	6.499	162	14151	4.973	ppm	95
55) 2-Methylnaphthalene	6.589	142	37260	5.193	ppm	97
56) 1-Methylnaphthalene	6.686	142	34539	5.145	ppm	98
58) Hexachlorocyclopentadiene	6.728	237	3707	3.975	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.750	216	15624	5.255	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.027	216	16165	5.163	ppm	95
61) 2,4,6-Trichlorophenol	6.873	196	8903	4.728	ppm	90
62) 2,4,5-Trichlorophenol	6.931	196	10089	4.981	ppm	95
64) Isosafrole	7.006	104	6348	4.886	ppm	89
65) 1,1'-Biphenyl	7.043	154	45697	5.106	ppm	100
66) 2-Chloronaphthalene	7.065	162	32594	5.039	ppm	98
67) 2-Nitroaniline	7.177	65	9331	5.047	ppm	85
68) 1,4-Naphthoquinone	7.252	158	9895	4.873	ppm	80
69) m-Dinitrobenzene	7.396	168	6328	4.980	ppm	81
70) Acenaphthylene	7.476	152	51818	5.002	ppm	98
71) Dimethyl phthalate	7.343	163	39205	5.184	ppm	99
72) 2,6-Dinitrotoluene	7.412	165	8454	4.924	ppm	93
73) Acenaphthene	7.642	153	36331	5.041	ppm	96
74) 3-Nitroaniline	7.588	138	9816	4.974	ppm	94
75) 2,4-Dinitrophenol	7.711	184	1119	4.551	ppm	67
76) Dibenzofuran	7.813	168	45697	5.135	ppm	96
77) 2,4-Dinitrotoluene	7.813	165	10774	4.752	ppm	81
78) 4-Nitrophenol	7.813	65	5503m	4.172	ppm	
79) Pentachlorobenzene	7.770	250	11556	4.850	ppm	96
80) 1-Naphthylamine	7.898	143	24762	5.284	ppm	99
81) 2-Naphthylamine	7.978	143	31751	5.317	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.946	232	5430	3.923	ppm	91
83) Fluorene	8.149	166	38134	5.212	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	15152	5.133	ppm	99
85) Diethylphthalate	8.032	149	38614	5.156	ppm	97
86) 4-Nitroaniline	8.197	138	9286	4.770	ppm	98
87) 5-Nitro-o-toluidine	8.181	152	11237	5.085	ppm	93
89) Sulfotepp	8.416	322	4652	4.977	ppm	71
90) Octachlorocyclopentene	8.389	307	5160	5.423	ppm	84
92) Thionazin	8.112	107	6632	5.357	ppm	88
93) 4,6-Dinitro-2-methylph...	8.219	198	3447	2.834	ppm	# 57
94) Diphenylamine	8.267	169	58971	10.576	ppm	100
95) 1,2 Diphenylhydrazine	8.304	77	39152	5.564	ppm	96
96) N-Nitrosodiphenylamine	8.267	169	58971	10.576	ppm	100
97) 1,3,5-Trinirobenzene	8.582	74	4601	4.572	ppm	88
98) Diallate	8.539	86	16096	5.660	ppm	98
99) Phorate	8.555	121	8683	5.950	ppm	# 75

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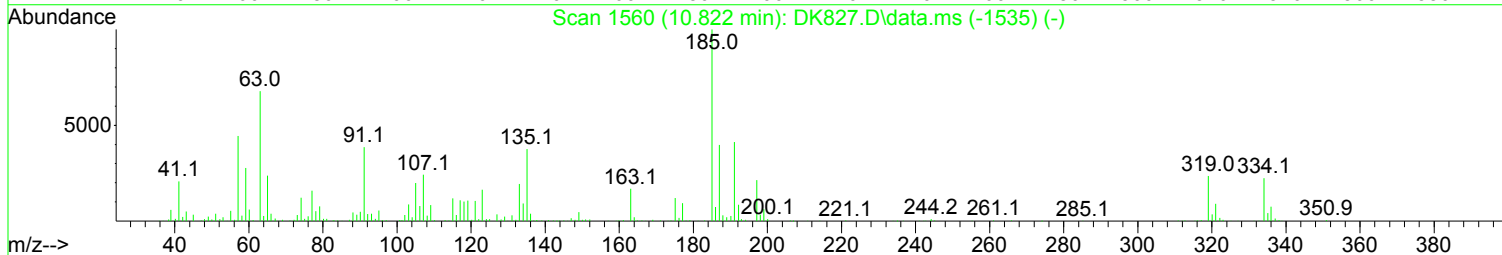
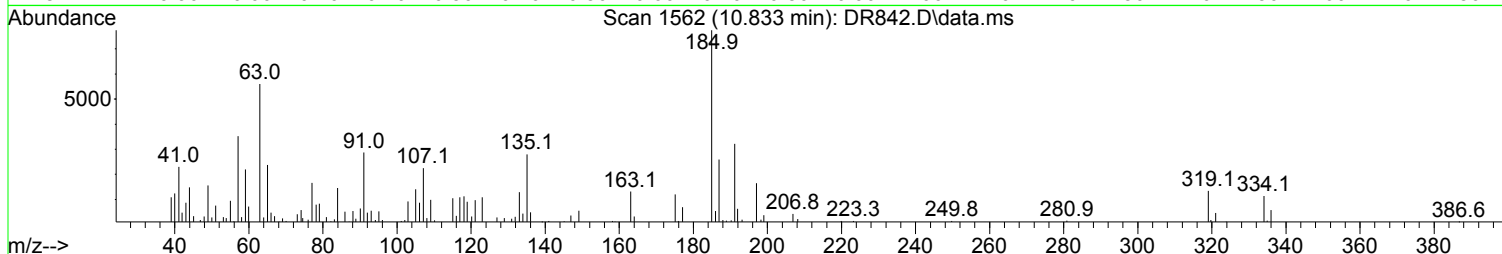
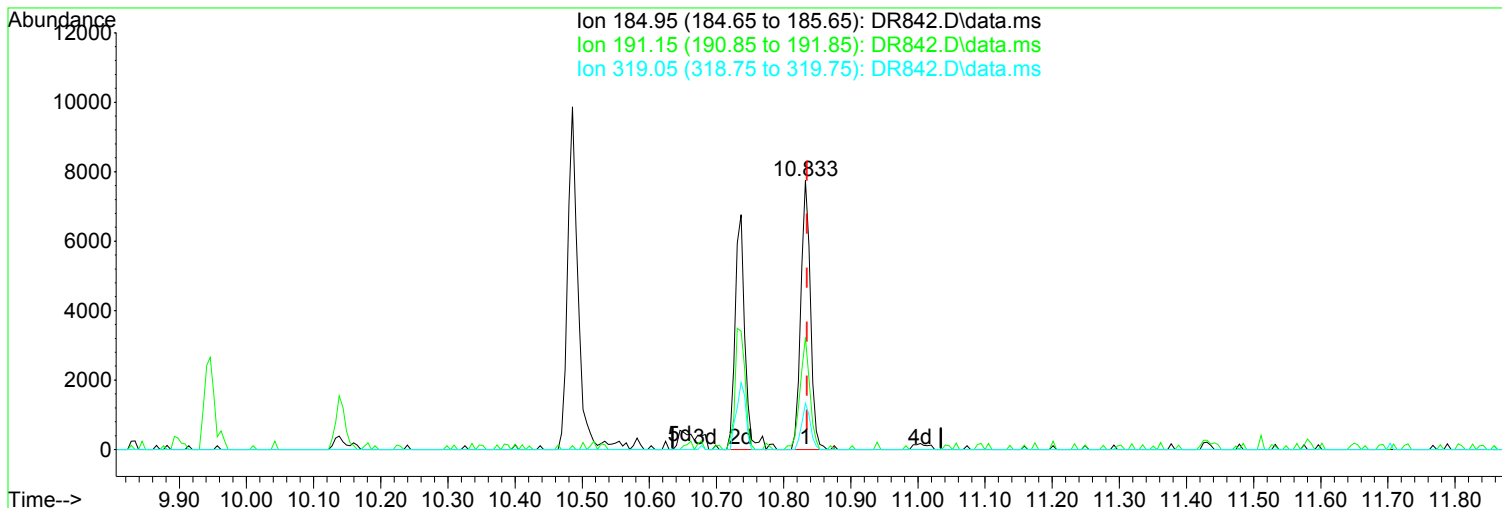
Quant Time: May 01 08:53:42 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.582	108	18443	5.016	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	8848	5.363	ppm	87
102) Hexachlorobenzene	8.689	284	9436	5.086	ppm	93
103) Dimethoate	8.731	87	13122	5.443	ppm	97
104) Atrazine	8.795	215	4511	5.000	ppm	90
105) Pentachlorophenol	8.902	266	1252	5.256	ppm #	69
106) 4-Aminobiphenyl	8.897	169	28747	5.074	ppm	93
107) Pentachloronitrobenzene	8.897	237	3129	4.565	ppm	78
108) Pronamide	8.945	173	14975	4.642	ppm	95
109) Dinoseb	9.068	211	4810	3.005	ppm	92
110) Disulfoton	9.068	88	20588	5.629	ppm	90
111) Phenanthrene	9.105	178	49785	4.989	ppm	100
112) Anthracene	9.159	178	50145	5.058	ppm	95
113) Carbazole	9.329	167	48414	4.971	ppm	96
114) Di-n-butylphthalate	9.645	149	61218	4.863	ppm	99
115) 4-Nitroquinoline-1-oxide	9.896	190	1352	2.291	ppm	73
116) Fluoranthene	10.318	202	47060	4.607	ppm	98
118) Methyl Parathion	9.452	109	12089	5.149	ppm	90
119) Ethyl Parathion	9.832	97	8007	4.565	ppm	96
120) Methapyrilene	9.944	58	13271	5.201	ppm	96
121) Isodrin	10.141	193	5146	4.753	ppm	96
122) Benzidine	10.483	184	32654	4.699	ppm	98
123) Pyrene	10.585	202	52540	4.832	ppm	97
125) Aramite	10.830	185	7296m	4.896	ppm	
126) p-(Dimethylamino)azobe...	10.948	120	14597	4.518	ppm	99
127) Chlorobenzilate	11.001	139	18537	4.912	ppm	90
128) Butyl benzyl phthalate	11.439	149	30096	4.989	ppm	95
129) 3,3-Dimethylbenzidine	11.434	212	31410	4.749	ppm	99
130) 2-Acetylaminofluorene	11.824	181	23444	4.866	ppm	94
131) 3,3'-Dichlorobenzidine	12.310	252	18580	4.717	ppm	95
132) Benzo(a)anthracene	12.326	228	49492	4.922	ppm	98
133) Chrysene	12.395	228	45808	4.952	ppm	96
134) bis(2-Ethylhexyl)phtha...	12.401	149	39931	4.810	ppm	98
136) Di-n-octyl phthalate	13.720	149	67150	4.683	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.436	256	23404	5.124	ppm	93
138) Benzo(b)Fluoranthene	14.452	252	49069	4.880	ppm	98
139) Benzo(k)fluoranthene	14.505	252	46635	4.897	ppm	97
140) Benzo(a)pyrene	15.157	252	42505	4.915	ppm	98
141) 3-Methylcholanthrene	15.936	268	24191	4.776	ppm	96
142) Indeno(1,2,3-cd)Pyrene	17.245	276	42682	5.033	ppm	93
143) Dibenz(a,h)anthracene	17.288	278	45300	5.098	ppm	99
144) Benzo(g,h,i)perylene	17.710	276	37157	5.084	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
 Acq On : 30 Apr 2019 11:08 am
 Operator : JMisiurewicz
 Sample : 10 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 9.67 ppm m

After

response 14625

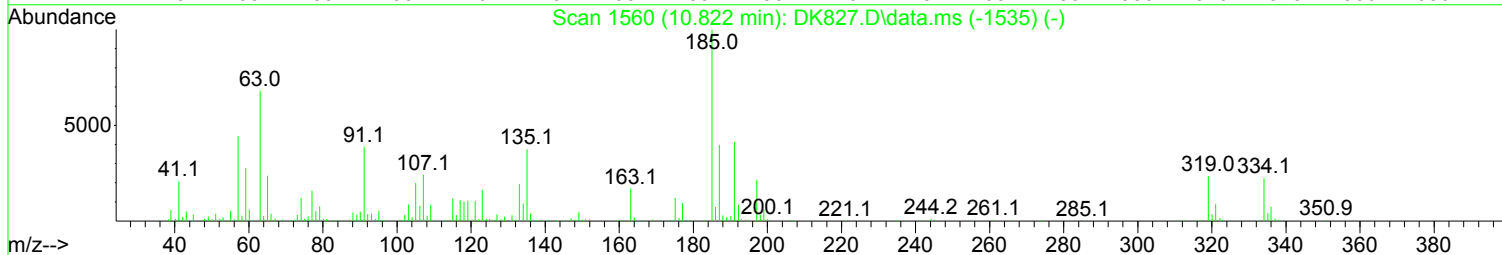
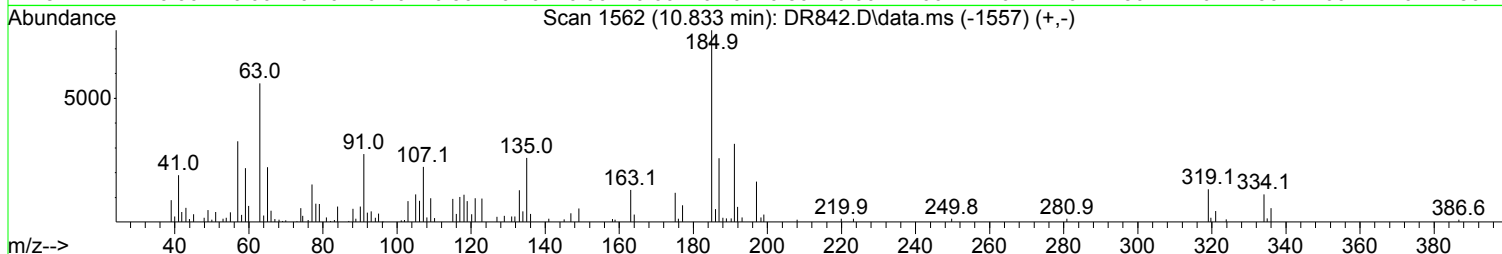
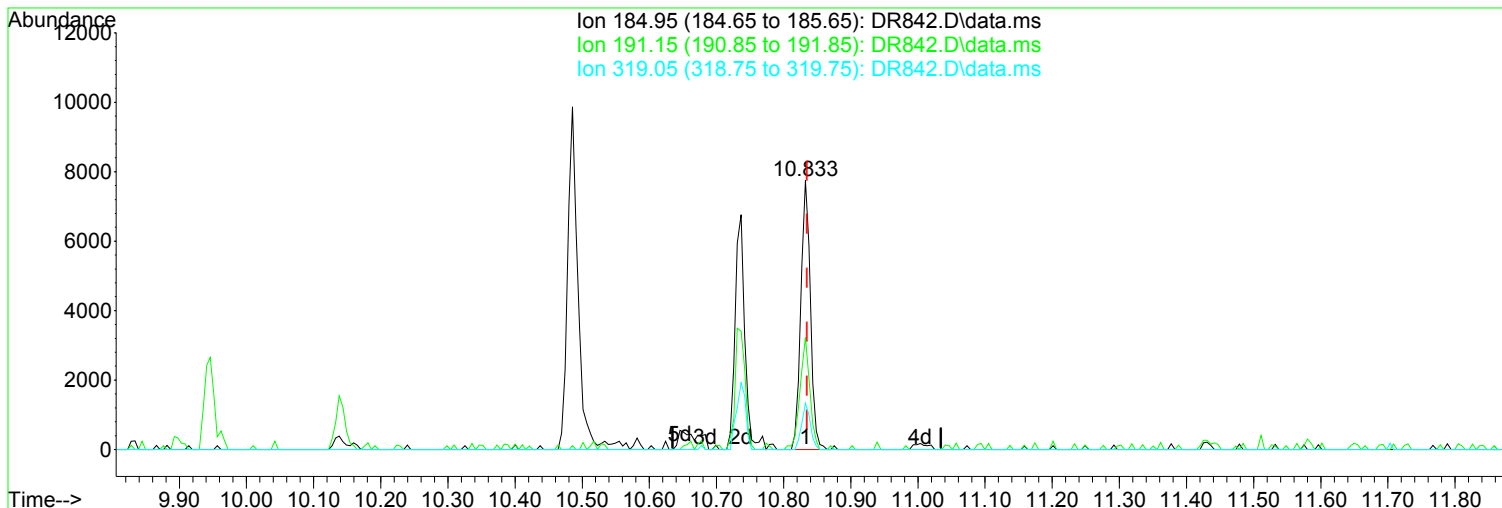
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.59
319.05	16.80	17.26
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.833min (-0.002) 5.09 ppm

Before

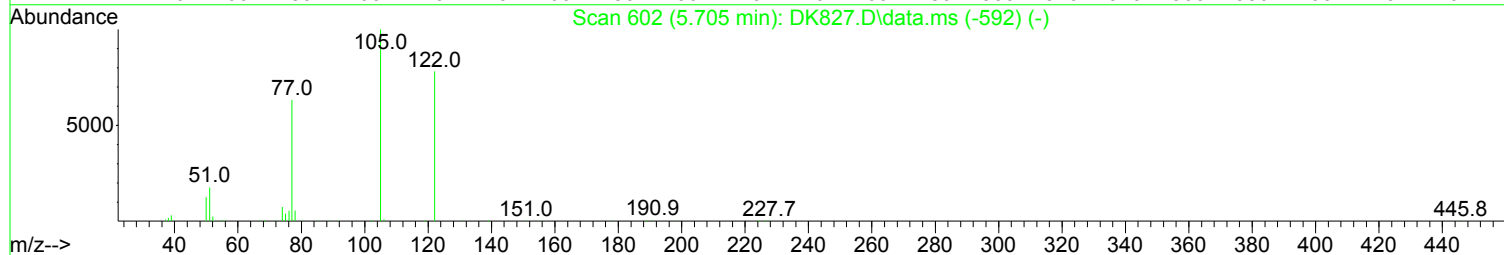
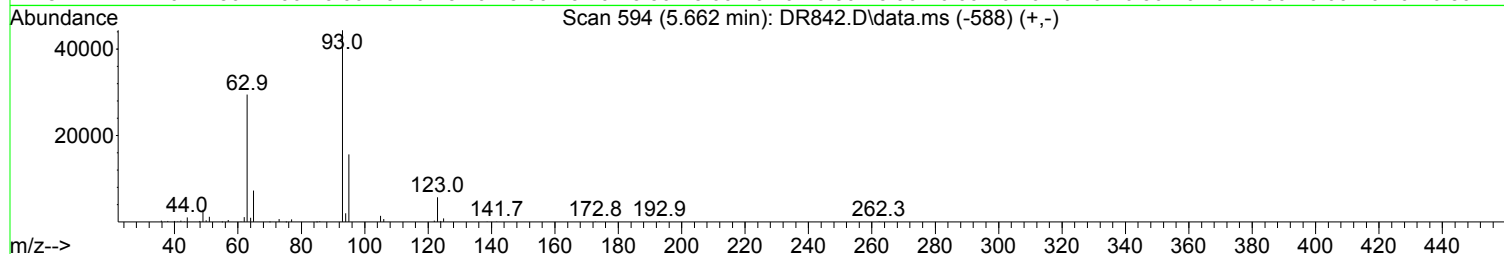
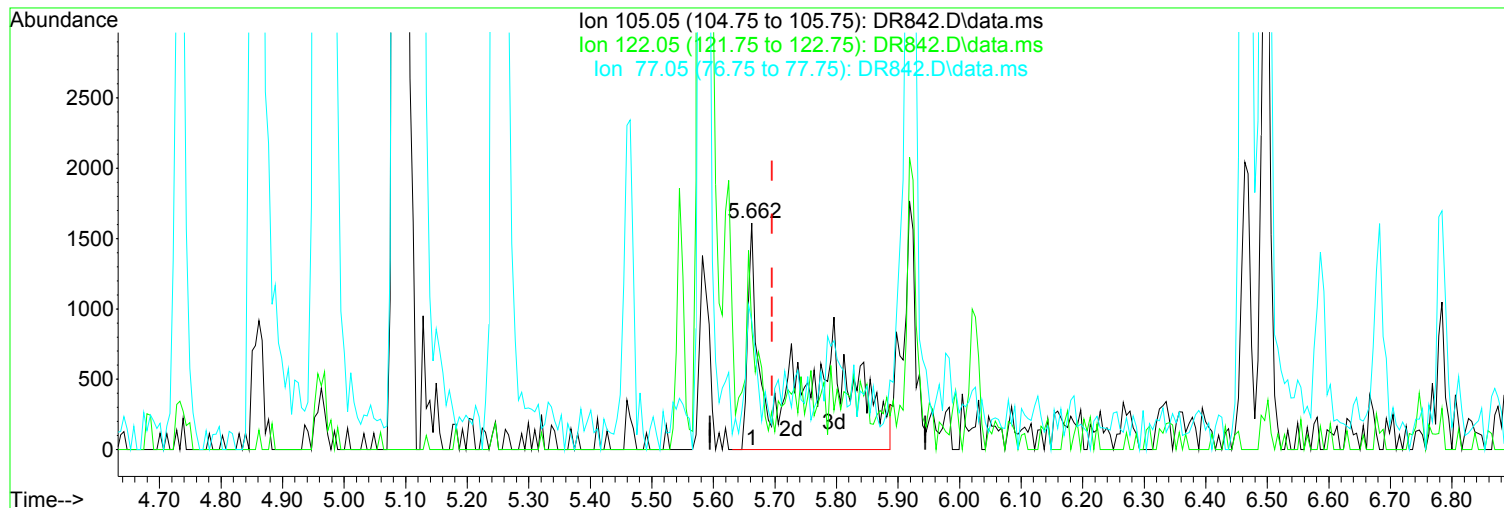
response 7700

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.20
319.05	16.80	19.66
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
Acq On : 30 Apr 2019 11:08 am
Operator : JMisiurewicz
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Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

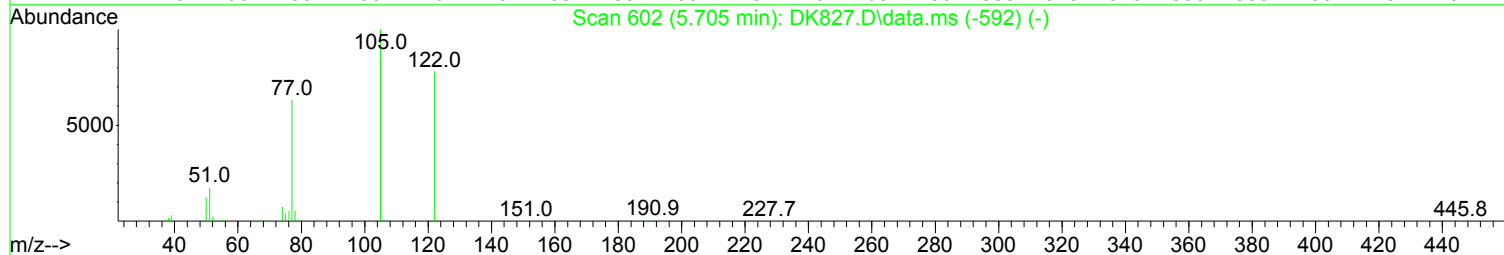
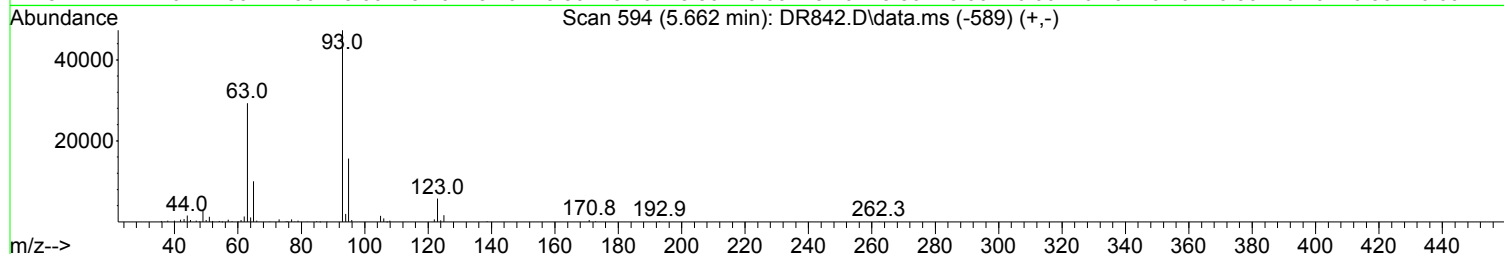
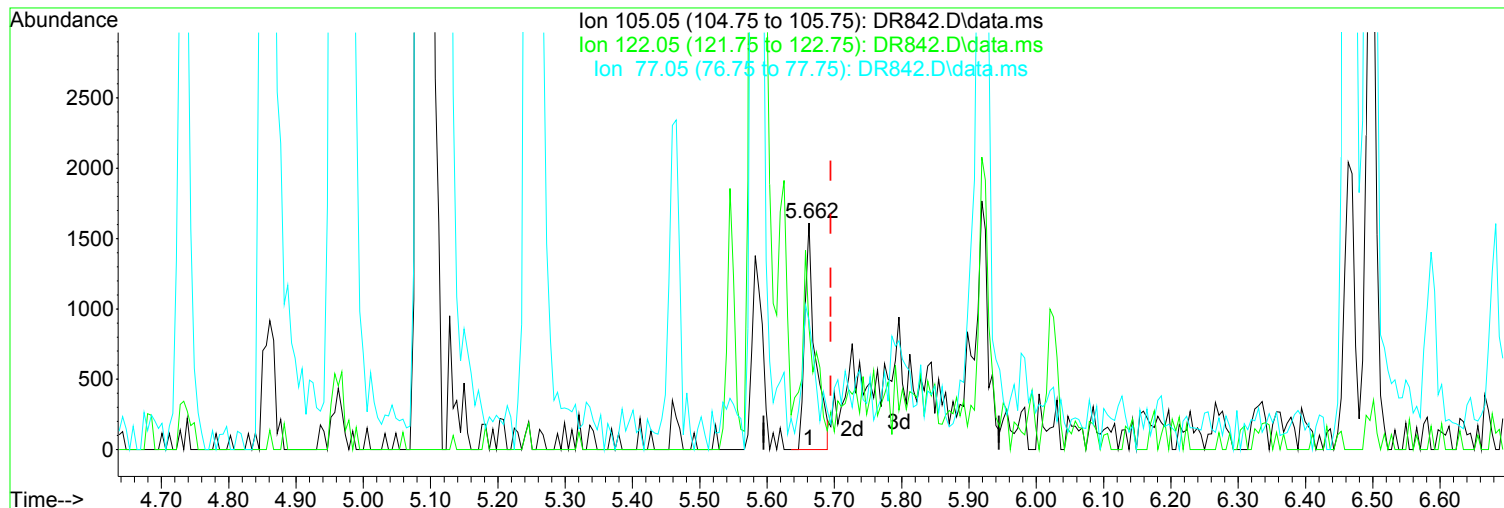
(41) Benzoic Acid (TM)

5.662min (-0.033)	20.14 ppm m	
response	6983	
Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	53.88
77.05	69.40	56.73
0.00	0.00	0.00

Manual Integration:
After
Poor integration.
05/01/19

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Quant Time: May 01 08:53:47 2019
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QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.662min (-0.033) 17.74 ppm

Before

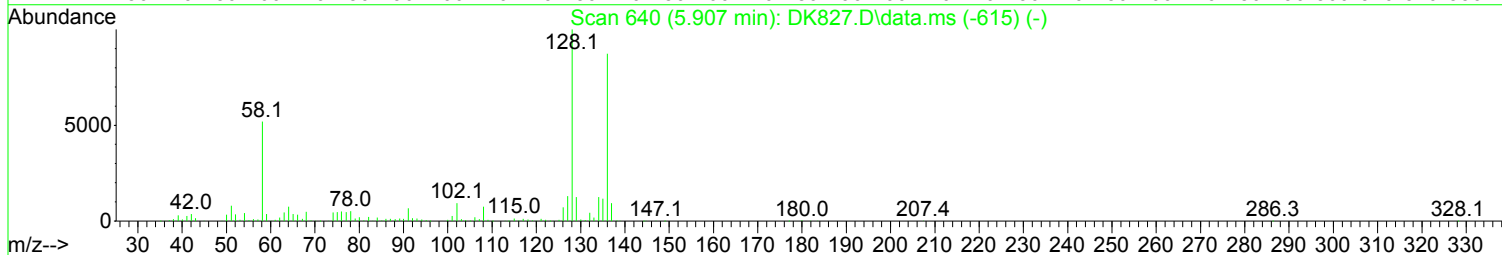
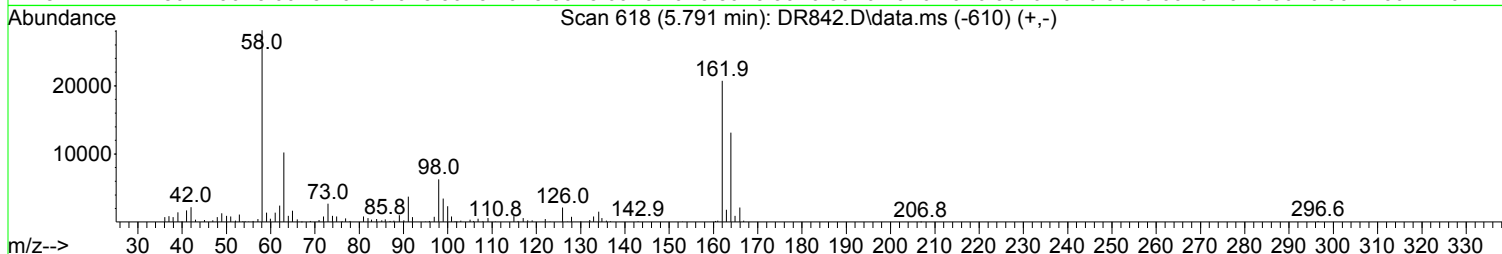
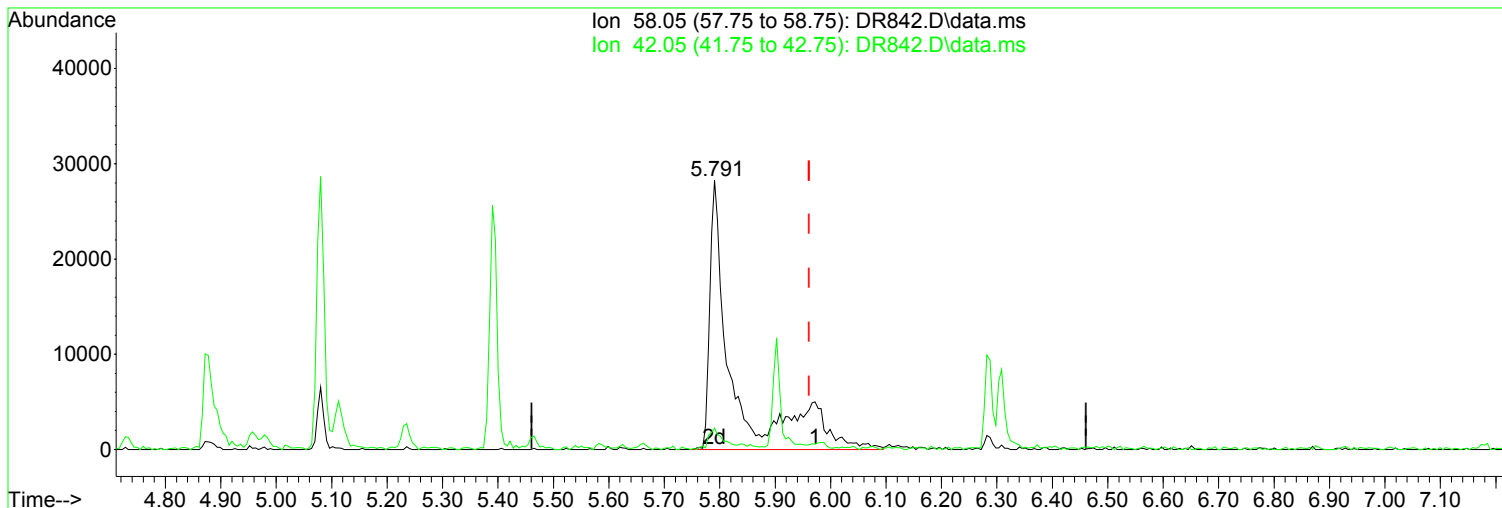
response 1737

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	83.70	44.97#
77.05	69.40	44.08
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR842.D
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Sample : 10 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.791min (-0.171) 10.61 ppm m

After

response 82857

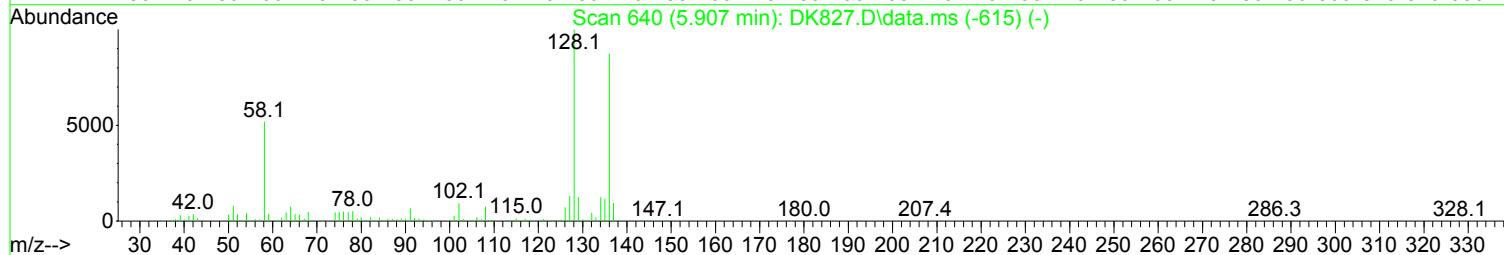
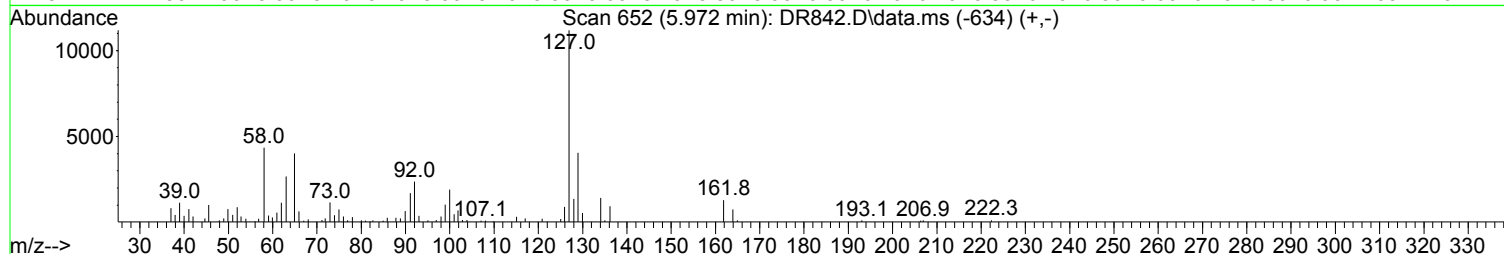
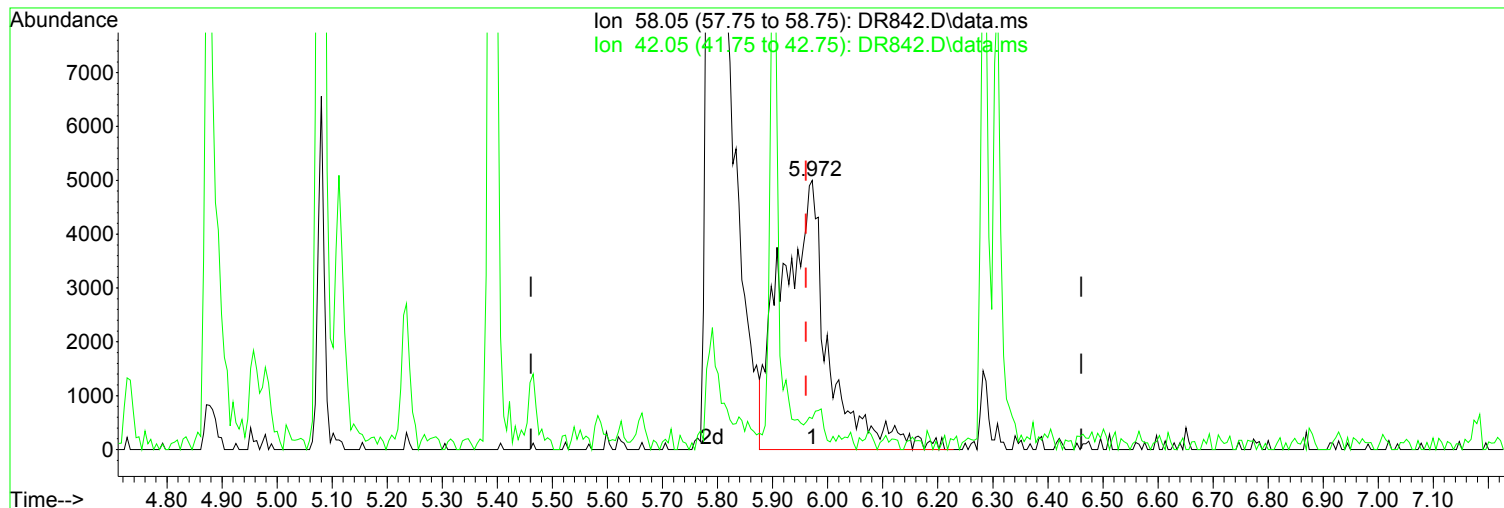
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.02
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

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Data File : DR842.D
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Sample : 10 ppm STD
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ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
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Quant Title : 8270 BNA ANALYSIS
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TIC: DR842.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.972min (+ 0.011) 3.73 ppm

Before

response 29122

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.77
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

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Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	108752	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	411748	40.00	ppm	0.00	
57) d10-Acenaphthene	7.612	164	204303	40.00	ppm	0.00	
91) d10-Phenanthrene	9.081	188	308447	40.00	ppm	0.00	
117) d12-Chrysene	12.349	240	300507	40.00	ppm	0.00	
135) d12-Perylene	15.292	264	293083	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.659	112	41166	10.41	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	10.41%	
12) SURR2,PHENOL-D6	4.423	99	48812	10.04	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	10.04%	
34) SURR4,NITROBENZENE-D5	5.235	82	42600	10.20	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	20.40%#	
63) SURR5,2-FLUOROBIPHENYL	6.944	172	79062	10.18	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	20.36%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.397	330	8231	9.84	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	9.84%#	
124) SURR6,TERPHENYL-D14	10.768	244	71122	10.05	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	20.10%	
Target Compounds							
							Qvalue
2) Pyridine	2.629	79	44030	10.548	ppm		98
3) N-Nitrosodimethylamine	2.591	74	23457	9.239	ppm		94
4) 2-Picoline	3.200	93	43873	10.157	ppm		98
5) N-Nitrosomethylamine	3.286	42	16294	9.280	ppm		92
6) Methyl Methansulfonate	3.521	80	19220	9.768	ppm		97
8) N-Nitrosodiethylamine	3.830	102	19366	10.040	ppm		94
9) Ethyl Mathanesulfonate	4.076	79	32092	9.652	ppm		93
10) Benzaldehyde	4.364	106	56570	20.335	ppm		97
11) Aniline	4.450	93	62763	10.119	ppm		94
13) Phenol	4.434	94	54135	10.186	ppm		96
14) bis(2-Clethyl)Ether	4.493	93	37541	10.208	ppm		96
15) Pentachloroethane	4.487	117	14226	9.608	ppm		91
16) 2-Chlorophenol	4.562	128	41576	9.959	ppm		96
17) 1,3-Diclbzene	4.680	146	43986	10.124	ppm		93
18) 1,4-Dichlorobenzene	4.749	146	45459	10.224	ppm		97
19) 1,2-Diclbzene	4.883	146	42622	10.033	ppm		98
20) Benzyl Alcohol	4.856	79	27700	9.797	ppm		95
21) 1-Methyl-2-pyrrolidinone	4.872	99	25205	9.753	ppm		99
22) 2,2'-oxybis(1-Chloropr...	4.957	45	36079	10.210	ppm	#	51
23) 2-Methylphenol	4.963	108	37465	10.001	ppm		91
24) 3+4-Methylphenol	5.102	108	43458	10.253	ppm		98
25) Acetophenone	5.091	105	53078	10.082	ppm		95
26) N-Nitroso-Di-n-propyla...	5.080	70	29395	10.353	ppm		96
27) N-Nitrosopyrrolidine	5.080	100	21762	10.540	ppm		72
28) N-Nitrosomorpholine	5.112	56	20186	9.933	ppm		93
29) o-Toluidine	5.123	106	59468	10.172	ppm		89
30) Hexachloroethane	5.182	117	17415	10.176	ppm		95
31) o,o,o-Triethylphosphor...	5.625	198	18523	10.392	ppm		94
32) Alpha-terpinol	5.924	121	13946	10.041	ppm		93
35) Nitrobenzene	5.251	77	43515	10.370	ppm		95
36) N-Nitrosopiperidine	5.390	42	24405	10.699	ppm		97
37) Isophorone	5.465	82	72562	10.373	ppm		99
38) 2-Nitrophenol	5.545	139	21777	10.029	ppm		93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR842.D
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 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 01 08:53:47 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.582	107	39387	10.073	ppm	95
40) bis(-2-Chloroethoxy)Me...	5.662	93	41467	10.082	ppm	100
41) Benzoic Acid	5.662	105	6983m	20.138	ppm	
42) 2,4-Dichlorophenol	5.785	162	30160	9.738	ppm	99
43) a,a-Dimethylphenethyla...	5.791	58	82857m	10.610	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	33539	10.271	ppm	92
45) Naphthalene	5.924	128	115846	10.208	ppm	98
46) 4-Chloroaniline	5.983	127	47495	10.002	ppm	98
47) 2,6-Dichlorophenol	5.988	162	32488	10.031	ppm	95
48) Hexachlorobutadiene	6.026	225	17847	10.786	ppm	91
49) Hexachloropropene	5.999	213	20643	9.985	ppm	95
50) 4-Chloro-3-methylphenol	6.464	107	31974	10.353	ppm	# 67
51) N-N-di-n-butylamine	6.287	84	25241	10.289	ppm	93
52) Caprolactam	6.309	113	12546	10.220	ppm	78
53) p-Phenylenediamine	6.330	80	9142	11.276	ppm	80
54) Safrole	6.496	162	29085	9.985	ppm	89
55) 2-Methylnaphthalene	6.586	142	74440	10.135	ppm	100
56) 1-Methylnaphthalene	6.683	142	67772	9.863	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	9908	8.516	ppm	98
59) 1,2,4,5-Tetrachloroben...	6.747	216	30304	10.078	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.030	216	31590	9.977	ppm	97
61) 2,4,6-Trichlorophenol	6.875	196	19659	10.322	ppm	86
62) 2,4,5-Trichlorophenol	6.928	196	20320	9.920	ppm	96
64) Isosafrole	7.008	104	12972	9.873	ppm	94
65) 1,1'-Biphenyl	7.040	154	91819	10.145	ppm	98
66) 2-Chloronaphthalene	7.067	162	67329	10.293	ppm	98
67) 2-Nitroaniline	7.179	65	20116	10.758	ppm	93
68) 1,4-Naphthoquinone	7.254	158	22123	10.773	ppm	92
69) m-Dinitrobenzene	7.393	168	11971	9.314	ppm	80
70) Acenaphthylene	7.473	152	105967	10.114	ppm	97
71) Dimethyl phthalate	7.339	163	79841	10.439	ppm	100
72) 2,6-Dinitrotoluene	7.414	165	18504	10.657	ppm	98
73) Acenaphthene	7.644	153	74342	10.200	ppm	98
74) 3-Nitroaniline	7.590	138	20652	10.347	ppm	92
75) 2,4-Dinitrophenol	7.703	184	2997	8.642	ppm	98
76) Dibenzofuran	7.815	168	92309	10.256	ppm	95
77) 2,4-Dinitrotoluene	7.815	165	22573	9.844	ppm	92
78) 4-Nitrophenol	7.804	65	11725	8.789	ppm	# 33
79) Pentachlorobenzene	7.772	250	25042	10.392	ppm	97
80) 1-Naphthylamine	7.900	143	50362	10.625	ppm	99
81) 2-Naphthylamine	7.980	143	62760	10.391	ppm	96
82) 2,3,4,6-Tetrachlorophenol	7.948	232	13274	9.483	ppm	88
83) Fluorene	8.151	166	77902	10.527	ppm	100
84) 4-Chlorophenyl-phenyle...	8.146	204	31336	10.496	ppm	98
85) Diethylphthalate	8.034	149	75917	10.023	ppm	98
86) 4-Nitroaniline	8.194	138	20791	10.560	ppm	99
87) 5-Nitro-o-toluidine	8.178	152	22033	9.858	ppm	100
89) Sulfotepp	8.413	322	9493	10.042	ppm	88
90) Octachlorocyclopentene	8.392	307	9687	10.066	ppm	94
92) Thionazin	8.114	107	12913	10.671	ppm	98
93) 4,6-Dinitro-2-methylph...	8.215	198	8683	7.303	ppm	# 73
94) Diphenylamine	8.269	169	120211	22.055	ppm	98
95) 1,2 Diphenylhydrazine	8.306	77	78490	11.410	ppm	96
96) N-Nitrosodiphenylamine	8.269	169	120211	22.055	ppm	98
97) 1,3,5-Trinitrobenzene	8.579	74	9866	10.029	ppm	# 57
98) Diallate	8.541	86	31029	11.161	ppm	97

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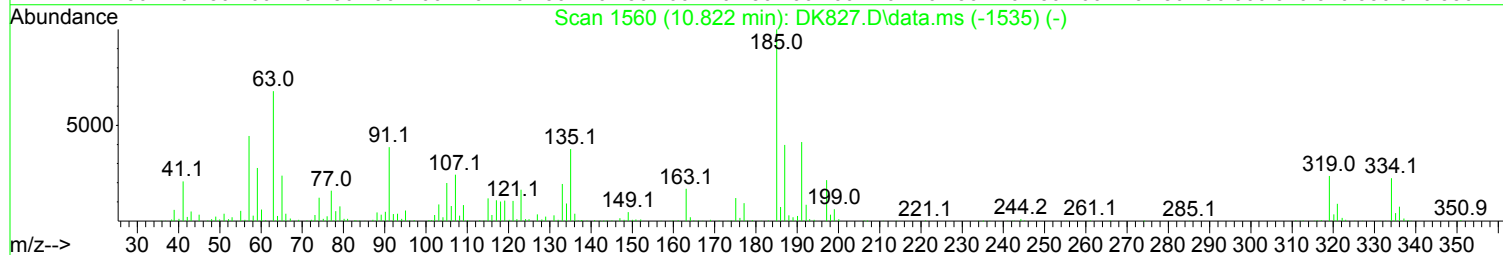
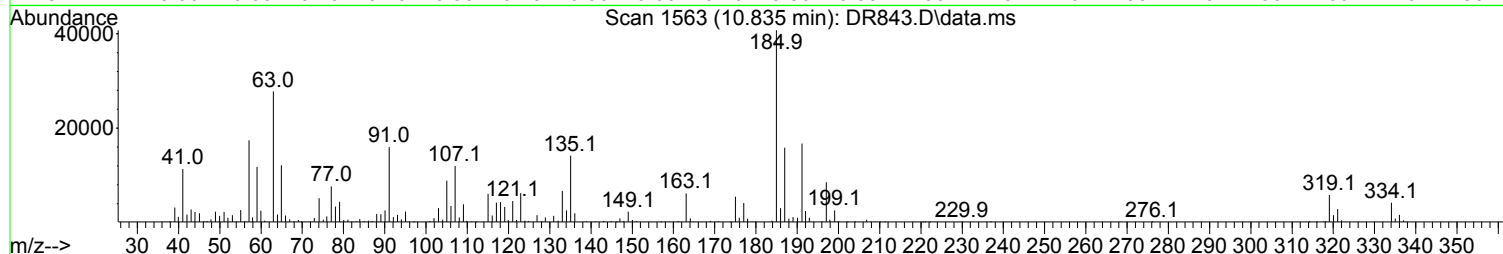
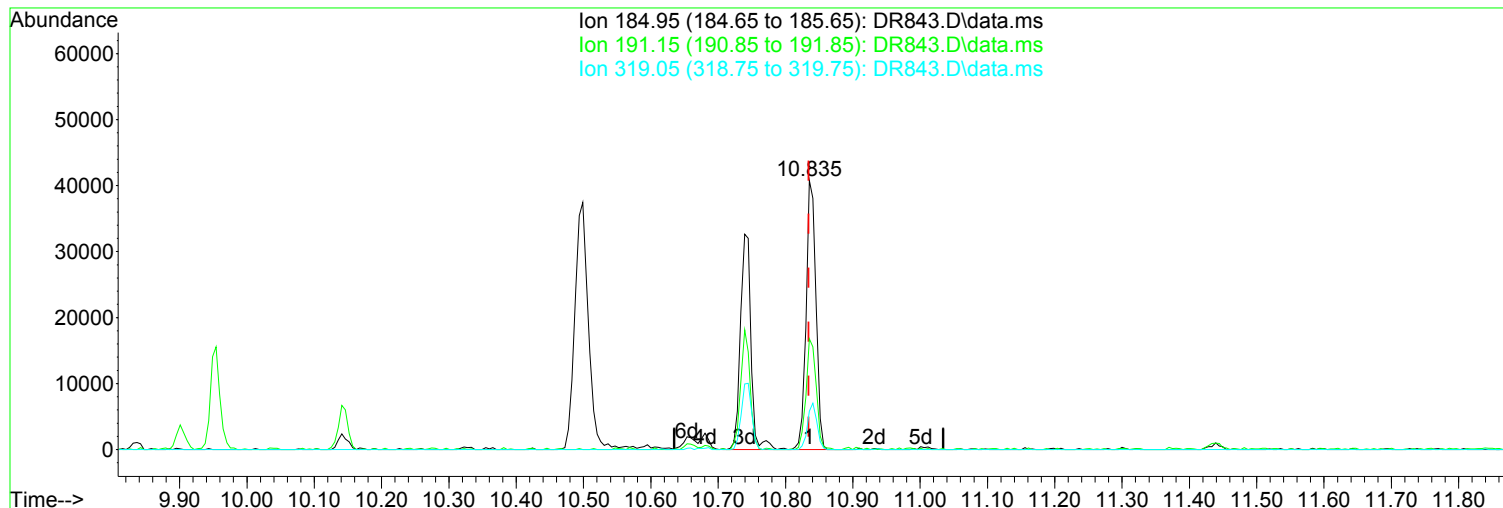
Quant Time: May 01 08:53:47 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.552	121	15891	11.139	ppm	85
100) Phenacetin	8.584	108	39710	11.048	ppm	98
101) 4-Bromophenyl-phenylether	8.632	248	17263	10.704	ppm	94
102) Hexachlorobenzene	8.691	284	19691	10.857	ppm	99
103) Dimethoate	8.733	87	28226	11.977	ppm	95
104) Atrazine	8.798	215	10337	11.721	ppm	98
105) Pentachlorophenol	8.904	266	3320	8.836	ppm	85
106) 4-Aminobiphenyl	8.899	169	56778	10.252	ppm	99
107) Pentachloronitrobenzene	8.899	237	7006	10.456	ppm	94
108) Pronamide	8.947	173	32692	10.366	ppm	99
109) Dinoseb	9.070	211	11869	7.584	ppm	90
110) Disulfoton	9.070	88	36947	10.334	ppm	93
111) Phenanthrene	9.107	178	98674	10.116	ppm	98
112) Anthracene	9.155	178	97297	10.039	ppm	99
113) Carbazole	9.326	167	99103	10.409	ppm	99
114) Di-n-butylphthalate	9.647	149	130166	10.578	ppm	98
115) 4-Nitroquinonline-1-oxide	9.893	190	3557	6.165	ppm	69
116) Fluoranthene	10.320	202	106157	10.630	ppm	99
118) Methyl Parathion	9.449	109	25486	10.698	ppm	93
119) Ethyl Parathion	9.828	97	18743	10.530	ppm	87
120) Methapyrilene	9.941	58	28569	11.033	ppm	91
121) Isodrin	10.138	193	10566	9.617	ppm	90
122) Benzidine	10.485	184	69294	9.827	ppm	96
123) Pyrene	10.587	202	109943	9.963	ppm	98
125) Aramite	10.833	185	14625m	9.671	ppm	
126) p-(Dimethylamino)azobe...	10.950	120	32582	9.939	ppm	95
127) Chlorobenzilate	11.003	139	39531	10.322	ppm	96
128) Butyl benzyl phthalate	11.441	149	62353	10.186	ppm	97
129) 3,3-Dimethylbenzidine	11.431	212	67509	10.058	ppm	99
130) 2-Acetylaminofluorene	11.826	181	47661	9.749	ppm	94
131) 3,3'-Dichlorobenzidine	12.307	252	38889	9.729	ppm	97
132) Benzo(a)anthracene	12.328	228	102863	10.081	ppm	98
133) Chrysene	12.397	228	94573	10.075	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.397	149	83139	9.868	ppm	96
136) Di-n-octyl phthalate	13.722	149	144182	10.366	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.438	256	45485	10.266	ppm	97
138) Benzo(b)Fluoranthene	14.454	252	98633	10.113	ppm	98
139) Benzo(k)fluoranthene	14.513	252	97129	10.515	ppm	98
140) Benzo(a)pyrene	15.159	252	84420	10.065	ppm	98
141) 3-Methylcholanthrene	15.933	268	49489	10.074	ppm	94
142) Indeno(1,2,3-cd)Pyrene	17.242	276	86952	10.571	ppm	96
143) Dibenz(a,h)anthracene	17.295	278	89621	10.399	ppm	99
144) Benzo(g,h,i)perylene	17.701	276	76544	10.797	ppm	98

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 53.18 ppm m

After

response 77165

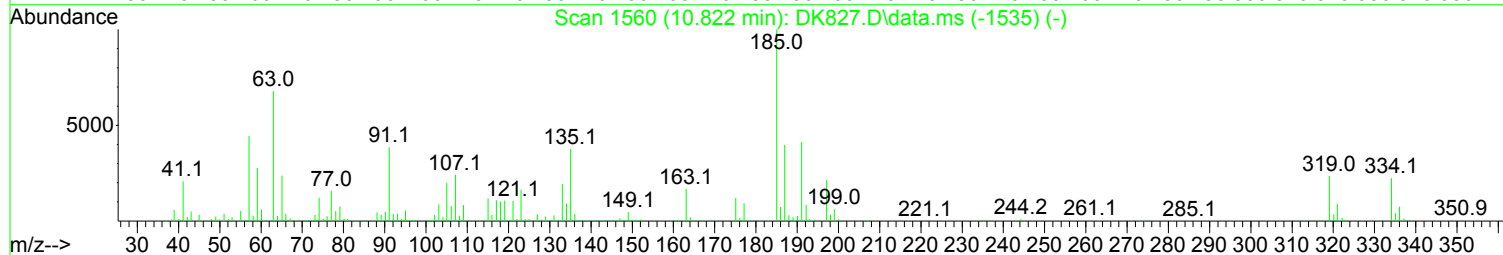
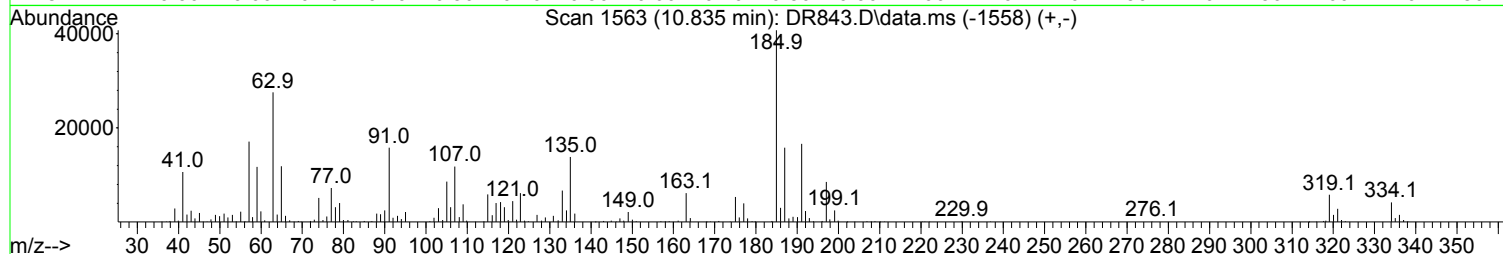
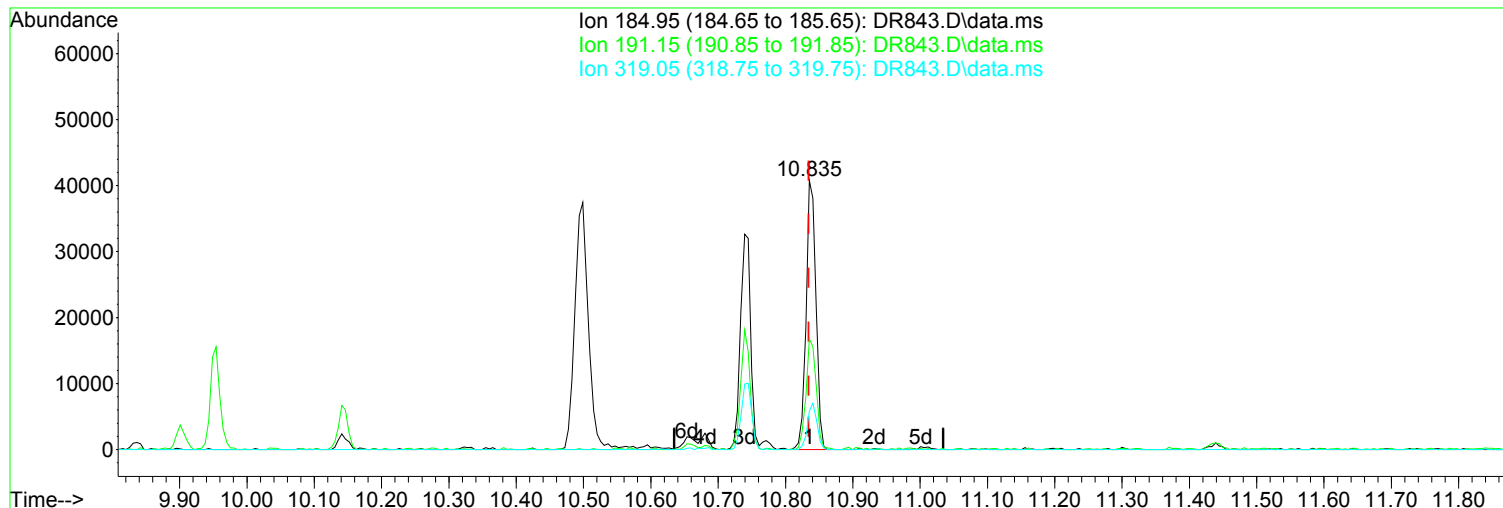
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.13
319.05	16.80	14.27
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR843.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.000) 28.60 ppm

Before

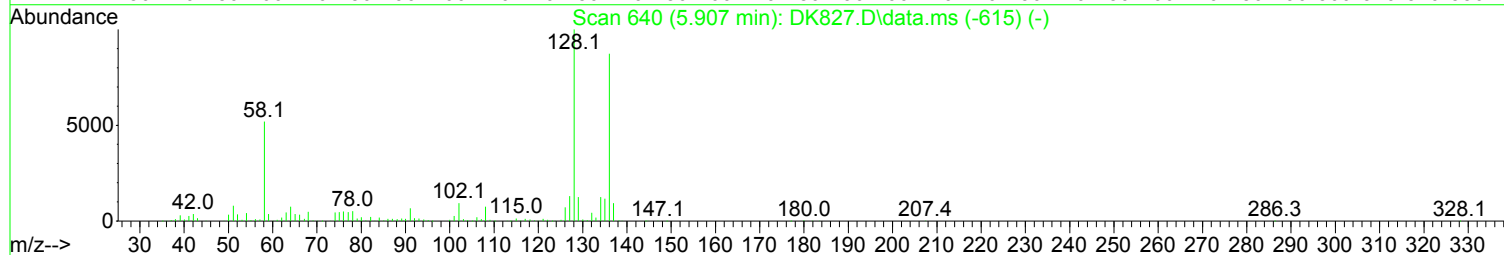
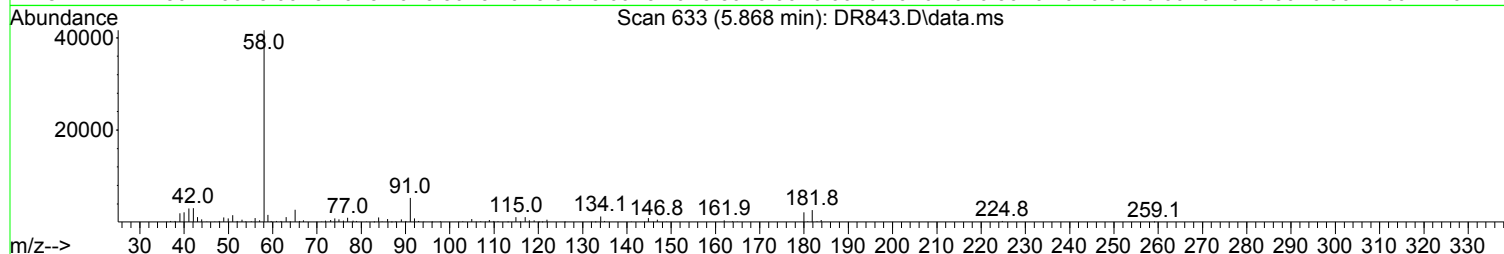
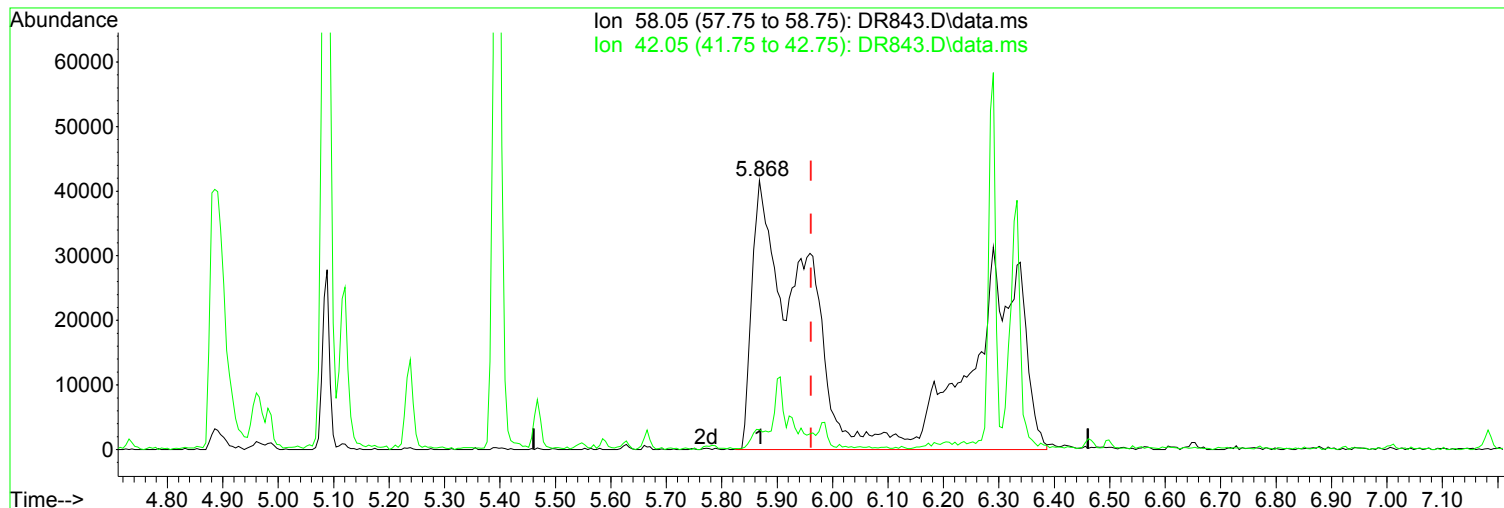
response 41502

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.77
319.05	16.80	14.27
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 56.27 ppm m

After

response 453701

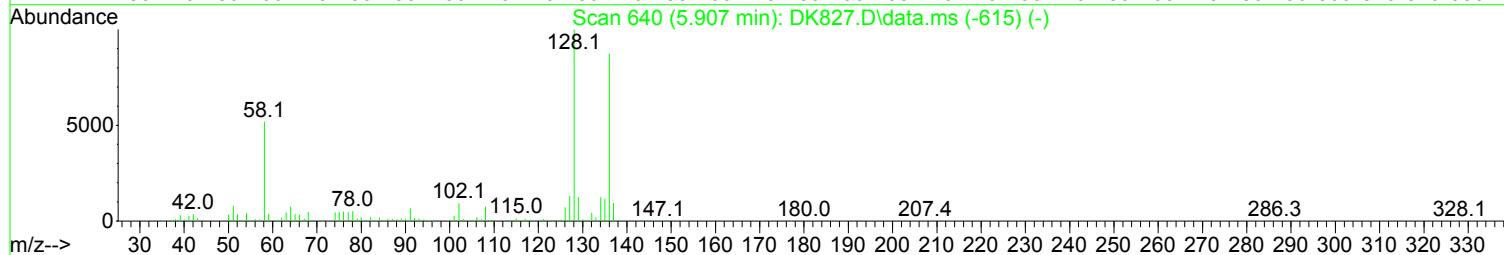
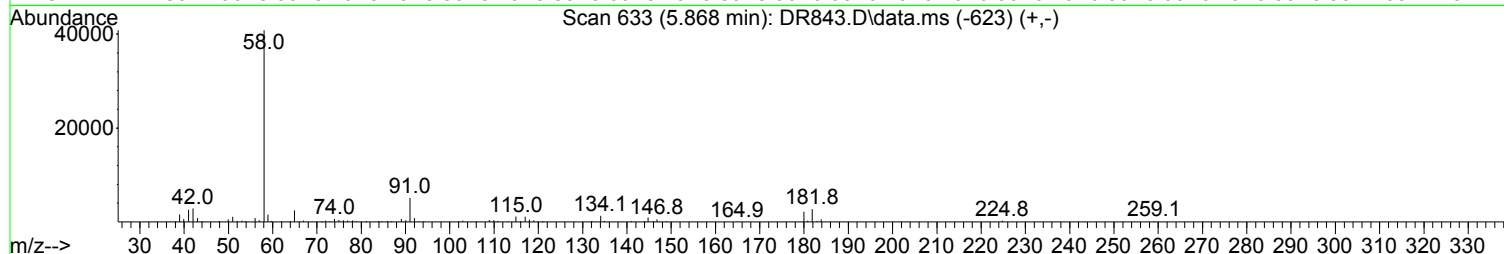
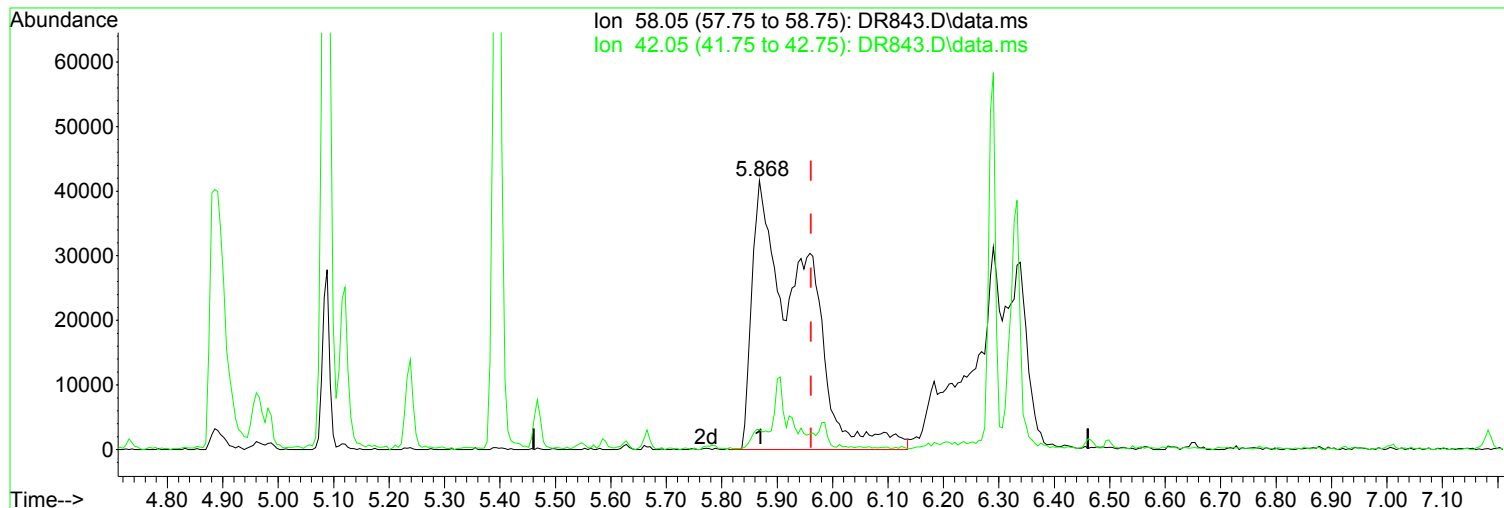
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.40
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.868min (-0.093) 32.40 ppm

Before

response 261234

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	6.98
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.731	152	110698	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	425134	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	204158	40.00	ppm	0.00
91) d10-Phenanthrene	9.084	188	310232	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	288336	40.00	ppm	0.00
135) d12-Perylene	15.295	264	275009	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.662	112	208047	51.67	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	51.67%
12) SURR2,PHENOL-D6	4.426	99	270537	54.69	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	54.69%
34) SURR4,NITROBENZENE-D5	5.238	82	217116	50.33	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	100.66%
63) SURR5,2-FLUOROBIPHENYL	6.947	172	408560	52.63	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	105.26%
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	43898	52.51	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	52.51%
124) SURR6,TERPHENYL-D14	10.771	244	359803	52.97	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	105.94%

Target Compounds						Qvalue
2) Pyridine	2.610	79	243164	57.230	ppm	98
3) N-Nitrosodimethylamine	2.578	74	142554	55.162	ppm	98
4) 2-Picoline	3.192	93	235280	53.514	ppm	97
5) N-Nitrosomethylamine	3.278	42	93195	52.142	ppm	95
6) Methyl Methansulfonate	3.518	80	106880	53.365	ppm	99
8) N-Nitrosodiethylamine	3.828	102	105601	53.787	ppm	92
9) Ethyl Mathanesulfonate	4.074	79	174591	51.587	ppm	98
10) Benzaldehyde	4.362	106	151652	53.556	ppm	98
11) Aniline	4.453	93	338707	53.651	ppm	97
13) Phenol	4.437	94	289294	53.474	ppm	98
14) bis(2-Clethyl)Ether	4.496	93	192312	51.376	ppm	98
15) Pentachloroethane	4.490	117	78549	52.117	ppm	96
16) 2-Chlorophenol	4.560	128	228057	53.665	ppm	97
17) 1,3-Diclbzene	4.682	146	233373	52.769	ppm	99
18) 1,4-Dichlorobenzene	4.747	146	236137	52.175	ppm	96
19) 1,2-Diclbzene	4.885	146	222261	51.397	ppm	99
20) Benzyl Alcohol	4.859	79	157420	54.695	ppm	93
21) 1-Methyl-2-pyrrolidinone	4.885	99	145636	55.365	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	187574	52.150	ppm	# 85
23) 2-Methylphenol	4.966	108	198873	52.155	ppm	95
24) 3+4-Methylphenol	5.104	108	223412	51.784	ppm	96
25) Acetophenone	5.094	105	277229	51.734	ppm	99
26) N-Nitroso-Di-n-propyla...	5.088	70	151454	52.404	ppm	98
27) N-Nitrosopyrrolidine	5.088	100	110793	52.719	ppm	77
28) N-Nitrosomorpholine	5.120	56	106083	51.281	ppm	97
29) o-Toluidine	5.126	106	312542	52.521	ppm	98
30) Hexachloroethane	5.185	117	90494	51.947	ppm	99
31) o,o,o-Triethylphosphor...	5.628	198	93584	51.581	ppm	87
32) Alpha-terpinol	5.927	121	74018	52.357	ppm	97
35) Nitrobenzene	5.254	77	222556	51.368	ppm	99
36) N-Nitrosopiperidine	5.393	42	121121	51.427	ppm	97
37) Isophorone	5.468	82	374516	51.853	ppm	99
38) 2-Nitrophenol	5.548	139	118531	52.871	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR843.D
 Acq On : 30 Apr 2019 12:00 pm
 Operator : JMisiurewicz
 Sample : 50 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 01 08:53:52 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.585	107	210797	52.212	ppm	94
40) bis(-2-Chloroethoxy)Me...	5.665	93	226533	53.345	ppm	99
41) Benzoic Acid	5.681	105	73824	50.003	ppm	99
42) 2,4-Dichlorophenol	5.783	162	173514	54.261	ppm	96
43) a,a-Dimethylphenethyla...	5.868	58	453701m	56.270	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	171319	50.811	ppm	99
45) Naphthalene	5.927	128	590082	50.359	ppm	99
46) 4-Chloroaniline	5.986	127	246095	50.192	ppm	99
47) 2,6-Dichlorophenol	5.991	162	170509	50.990	ppm	90
48) Hexachlorobutadiene	6.028	225	86233	50.477	ppm	97
49) Hexachloropropene	5.996	213	112089	52.512	ppm	98
50) 4-Chloro-3-methylphenol	6.466	107	162550	50.978	ppm	# 64
51) N-N-di-n-butylamine	6.290	84	129320	51.055	ppm	98
52) Caprolactam	6.333	113	62461	49.277	ppm	90
53) p-Phenylenediamine	6.338	80	44084	52.662	ppm	98
54) Safrole	6.498	162	155842	51.814	ppm	97
55) 2-Methylnaphthalene	6.589	142	380698	50.200	ppm	96
56) 1-Methylnaphthalene	6.685	142	359083	50.613	ppm	99
58) Hexachlorocyclopentadiene	6.728	237	71238	51.359	ppm	96
59) 1,2,4,5-Tetrachloroben...	6.749	216	157122	52.291	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.033	216	164784	52.081	ppm	97
61) 2,4,6-Trichlorophenol	6.878	196	105353	55.356	ppm	96
62) 2,4,5-Trichlorophenol	6.926	196	107718	52.623	ppm	97
64) Isosafrole	7.011	104	67437	51.361	ppm	92
65) 1,1'-Biphenyl	7.043	154	466049	51.531	ppm	99
66) 2-Chloronaphthalene	7.070	162	339546	51.943	ppm	99
67) 2-Nitroaniline	7.182	65	97208	52.023	ppm	94
68) 1,4-Naphthoquinone	7.257	158	113203	55.164	ppm	88
69) m-Dinitrobenzene	7.401	168	65665	51.129	ppm	93
70) Acenaphthylene	7.476	152	544676	52.021	ppm	98
71) Dimethyl phthalate	7.348	163	377190	49.353	ppm	99
72) 2,6-Dinitrotoluene	7.417	165	88827	51.195	ppm	97
73) Acenaphthene	7.647	153	375171	51.509	ppm	99
74) 3-Nitroaniline	7.593	138	103780	52.031	ppm	98
75) 2,4-Dinitrophenol	7.700	184	31154	54.900	ppm	86
76) Dibenzofuran	7.818	168	470226	52.282	ppm	97
77) 2,4-Dinitrotoluene	7.818	165	121270	52.921	ppm	95
78) 4-Nitrophenol	7.807	65	70138	52.611	ppm	# 53
79) Pentachlorobenzene	7.770	250	126121	52.375	ppm	100
80) 1-Naphthylamine	7.903	143	239726	50.612	ppm	99
81) 2-Naphthylamine	7.983	143	301853	50.014	ppm	99
82) 2,3,4,6-Tetrachlorophenol	7.951	232	73574	52.599	ppm	91
83) Fluorene	8.154	166	378292	51.155	ppm	98
84) 4-Chlorophenyl-phenyle...	8.149	204	153366	51.407	ppm	96
85) Diethylphthalate	8.037	149	381341	50.383	ppm	99
86) 4-Nitroaniline	8.202	138	104981	53.360	ppm	96
87) 5-Nitro-o-toluidine	8.186	152	117376	52.553	ppm	95
89) Sulfotepp	8.416	322	47300	50.071	ppm	91
90) Octachlorocyclopentene	8.395	307	51376	53.425	ppm	98
92) Thionazin	8.117	107	62619	51.449	ppm	98
93) 4,6-Dinitro-2-methylph...	8.224	198	64656	54.067	ppm	97
94) Diphenylamine	8.277	169	565644	103.181	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	371577	53.705	ppm	96
96) N-Nitrosodiphenylamine	8.277	169	565644	103.181	ppm	98
97) 1,3,5-Trinitrobenzene	8.597	74	54699	55.283	ppm	94
98) Diallate	8.544	86	138539	49.545	ppm	96

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR843.D
Acq On : 30 Apr 2019 12:00 pm
Operator : JMisiurewicz
Sample : 50 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 9 Sample Multiplier: 1

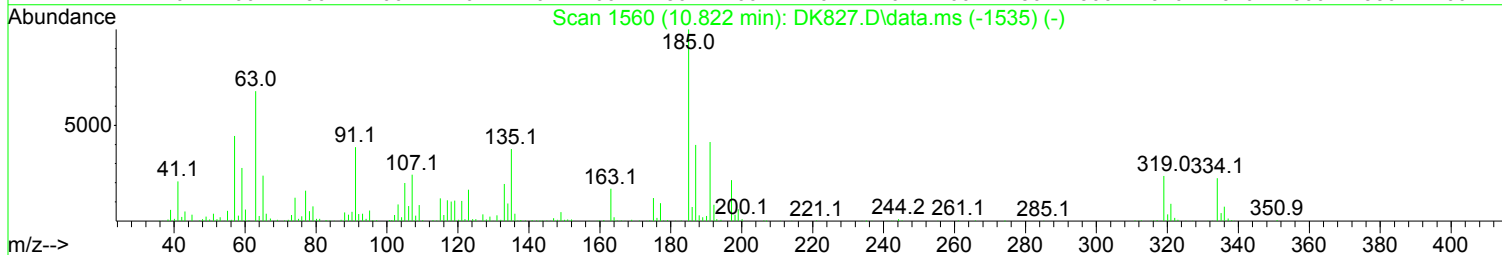
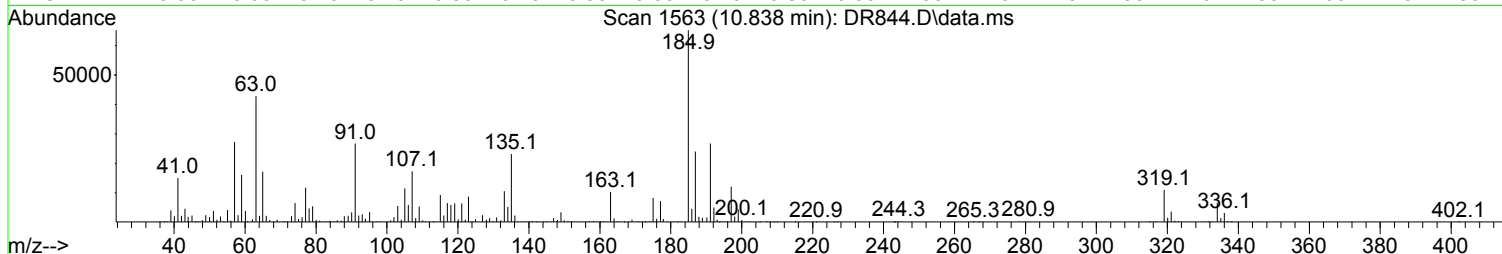
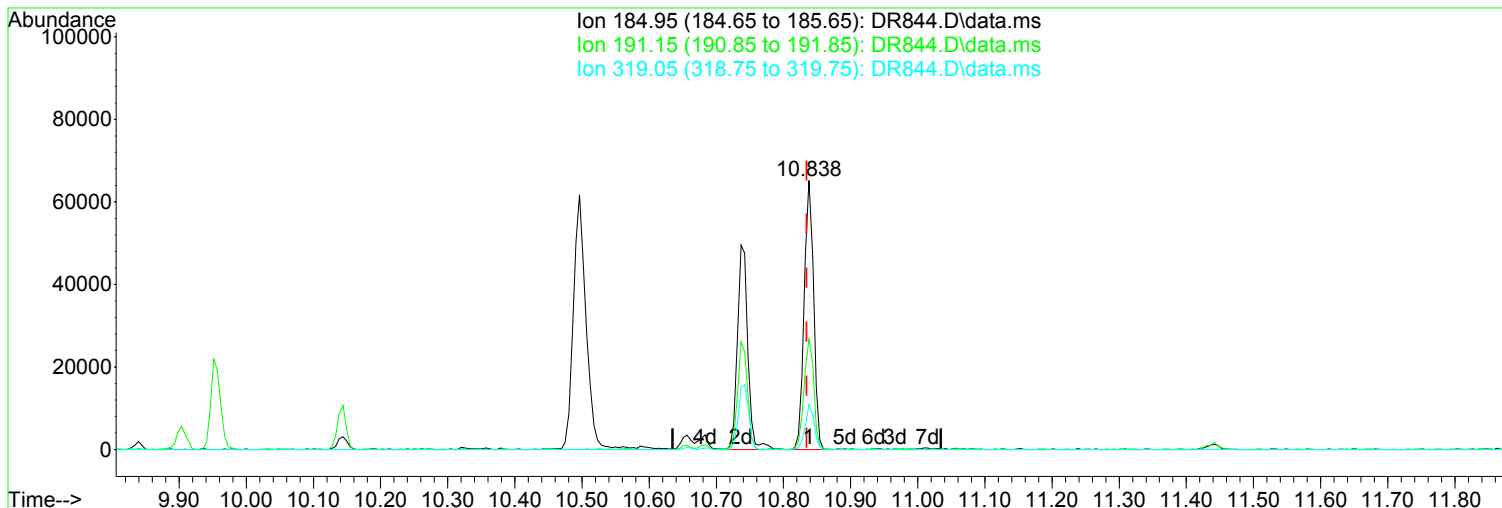
Quant Time: May 01 08:53:52 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	71025	49.497	ppm	97
100) Phenacetin	8.603	108	198196	54.826	ppm	97
101) 4-Bromophenyl-phenylether	8.635	248	82693	50.977	ppm	96
102) Hexachlorobenzene	8.694	284	91221	50.006	ppm	98
103) Dimethoate	8.752	87	131387	55.428	ppm	97
104) Atrazine	8.806	215	48849	55.071	ppm	96
105) Pentachlorophenol	8.907	266	32963	53.349	ppm	98
106) 4-Aminobiphenyl	8.902	169	313308	56.245	ppm	99
107) Pentachloronitrobenzene	8.902	237	37979	56.355	ppm	98
108) Pronamide	8.955	173	177995	56.116	ppm	96
109) Dinoseb	9.073	211	85017	54.014	ppm	98
110) Disulfoton	9.078	88	179076	49.797	ppm	97
111) Phenanthrene	9.110	178	509880	51.970	ppm	99
112) Anthracene	9.164	178	511848	52.507	ppm	98
113) Carbazole	9.329	167	518965	54.197	ppm	99
114) Di-n-butylphthalate	9.650	149	691327	55.856	ppm	98
115) 4-Nitroquinonline-1-oxide	9.901	190	30376	52.343	ppm	86
116) Fluoranthene	10.323	202	544361	54.197	ppm	99
118) Methyl Parathion	9.457	109	123379	53.973	ppm	90
119) Ethyl Parathion	9.837	97	92173	53.969	ppm	97
120) Methapyrilene	9.949	58	136127	54.790	ppm	99
121) Isodrin	10.141	193	54114	51.330	ppm	90
122) Benzidine	10.499	184	378125	55.889	ppm	99
123) Pyrene	10.590	202	566160	53.472	ppm	99
125) Aramite	10.835	185	77165m	53.181	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	173681	55.216	ppm	91
127) Chlorobenzilate	11.012	139	197095	53.636	ppm	93
128) Butyl benzyl phthalate	11.444	149	312570	53.216	ppm	97
129) 3,3-Dimethylbenzidine	11.439	212	342581	53.195	ppm	97
130) 2-Acetylaminofluorene	11.839	181	245928	52.426	ppm	99
131) 3,3'-Dichlorobenzidine	12.315	252	200153	52.188	ppm	99
132) Benzo(a)anthracene	12.336	228	502187	51.293	ppm	100
133) Chrysene	12.406	228	465026	51.629	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.406	149	425392	52.623	ppm	98
136) Di-n-octyl phthalate	13.730	149	704356	53.968	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	224365	53.968	ppm	99
138) Benzo(b)Fluoranthene	14.467	252	496783	54.283	ppm	99
139) Benzo(k)fluoranthene	14.526	252	463822	53.511	ppm	97
140) Benzo(a)pyrene	15.172	252	430163	54.656	ppm	98
141) 3-Methylcholanthrene	15.947	268	252152	54.703	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.255	276	409665	53.077	ppm	99
143) Dibenz(a,h)anthracene	17.303	278	434314	53.705	ppm	99
144) Benzo(g,h,i)perylene	17.715	276	351651	52.862	ppm	99

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

10.838min (+ 0.003) 81.76 ppm m

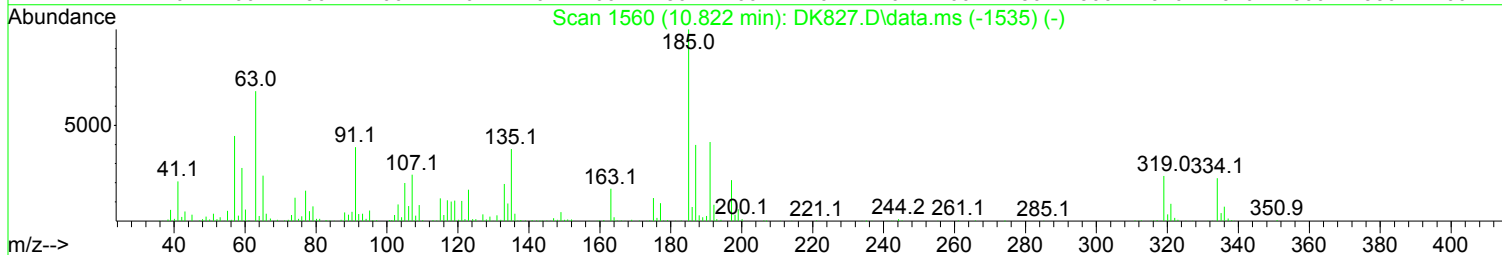
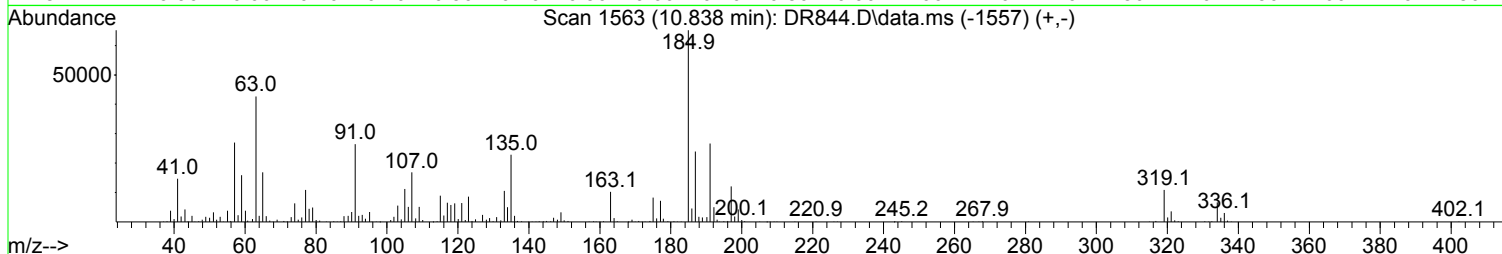
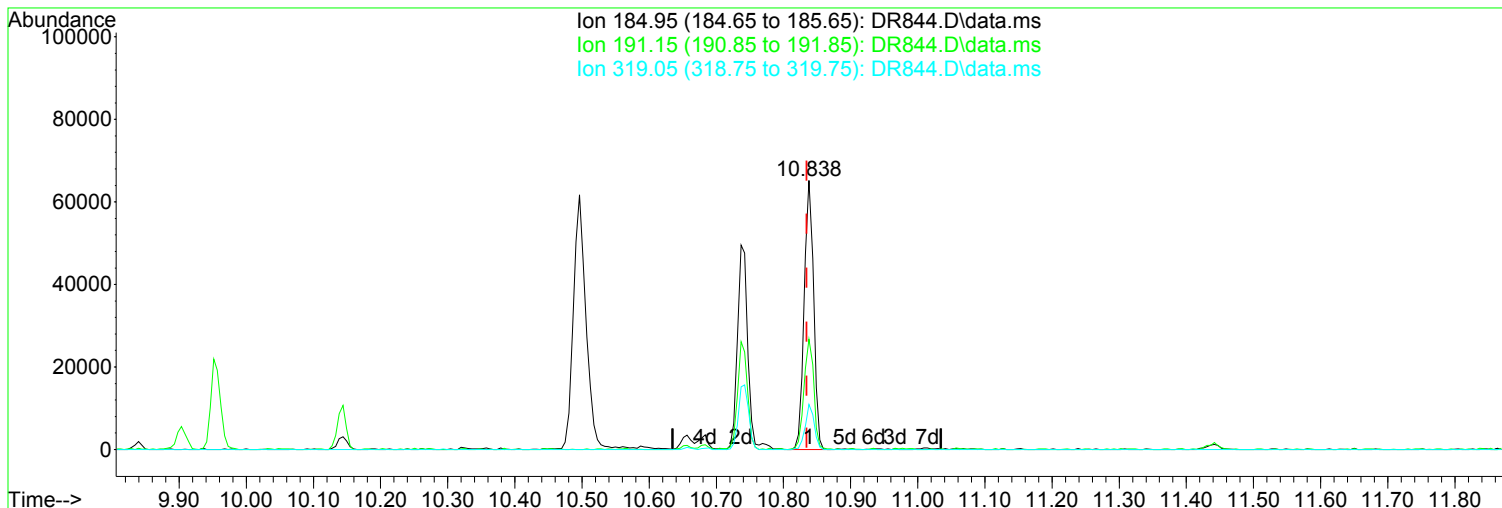
response 116877

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	41.00
319.05	16.80	16.77
0.00	0.00	0.00

Manual Integration:
After
Split Peak.
05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.838min (+ 0.003) 44.41 ppm

Before

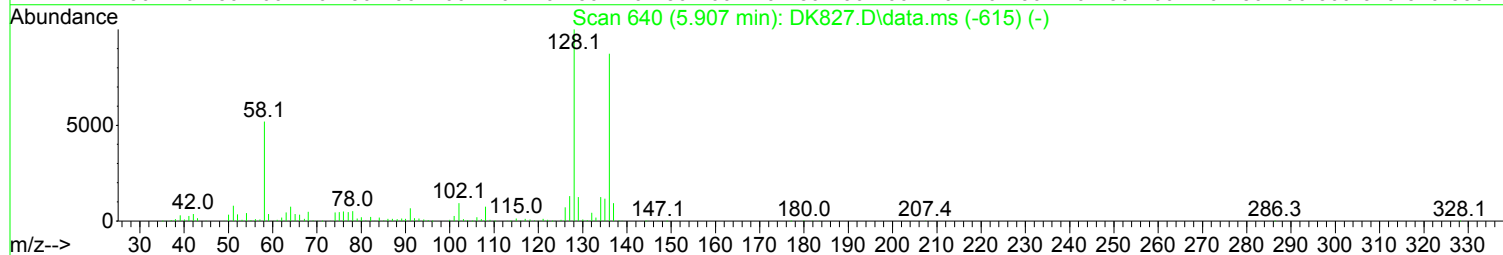
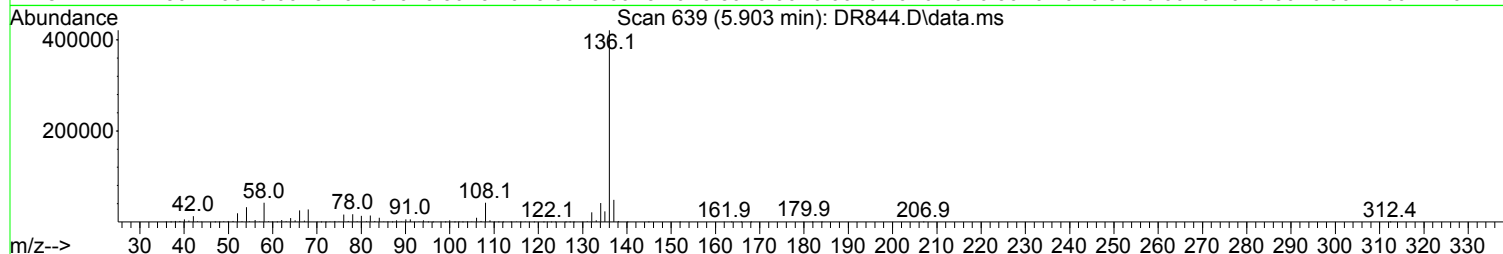
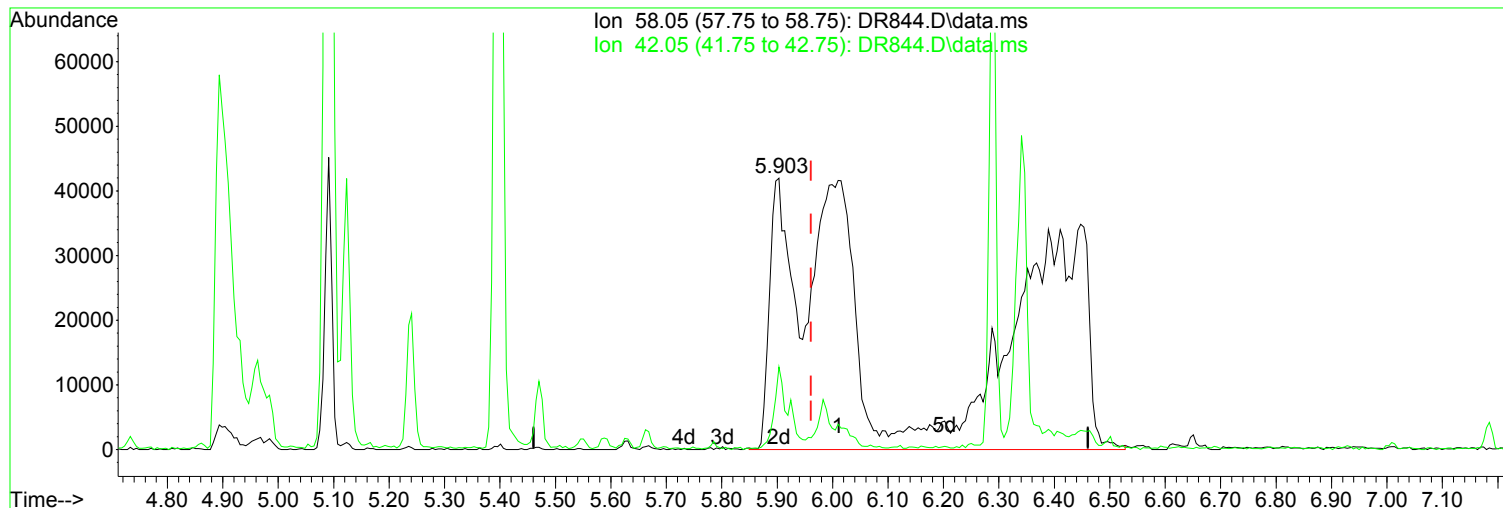
response 63484

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.87
319.05	16.80	16.77
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.903min (-0.058) 84.84 ppm m

After

response 659304

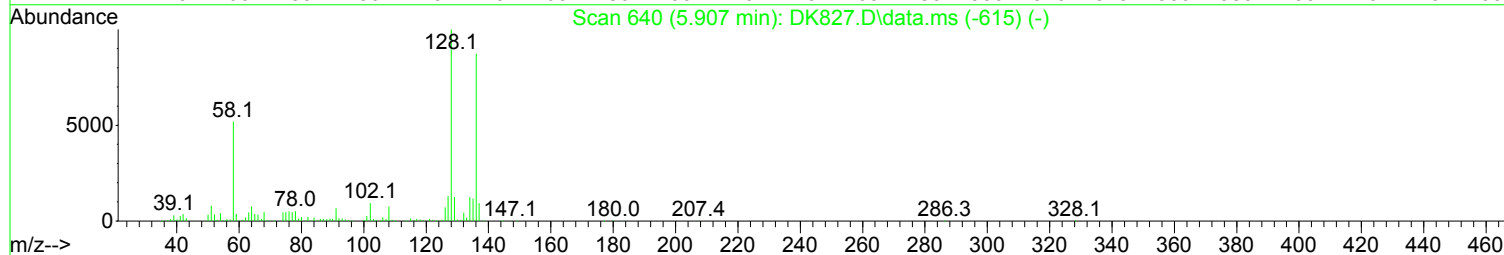
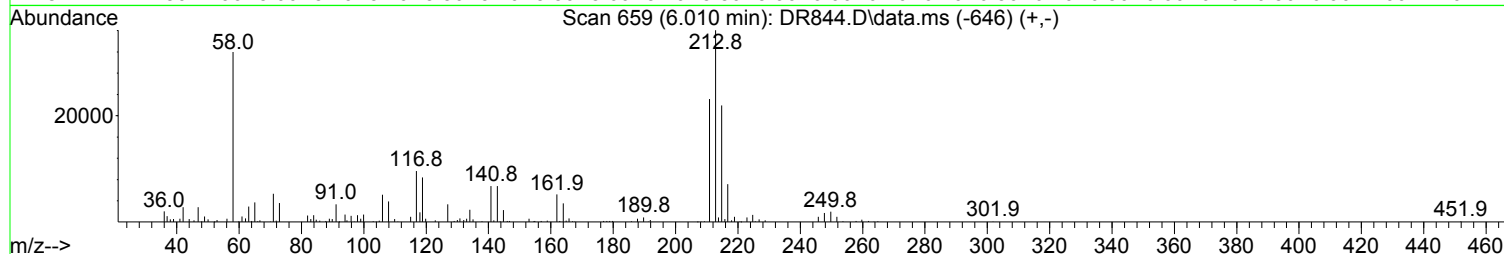
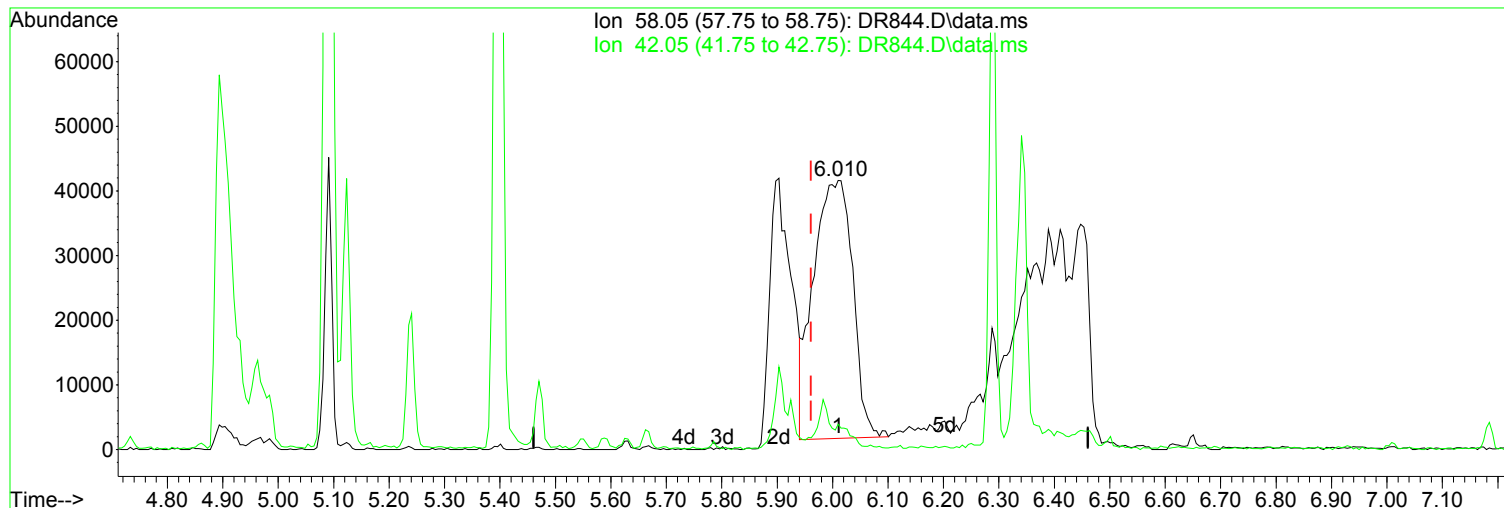
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	30.43
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR844.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.010min (+ 0.049) 25.28 ppm

Before

response 196453

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.84
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.733	152	111094	40.00	ppm	0.00	
33) d8-Naphthalene	5.903	136	409743	40.00	ppm	0.00	
57) d10-Acenaphthene	7.612	164	205062	40.00	ppm	0.00	
91) d10-Phenanthrene	9.086	188	318535	40.00	ppm	0.00	
117) d12-Chrysene	12.360	240	284078	40.00	ppm	0.00	
135) d12-Perylene	15.298	264	284491	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	328643	81.33	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	81.33%#	
12) SURR2,PHENOL-D6	4.424	99	408099	82.21	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	82.21%	
34) SURR4,NITROBENZENE-D5	5.241	82	330150	79.40	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	158.80%#	
63) SURR5,2-FLUOROBIPHENYL	6.944	172	609960	78.22	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	156.44%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	65942	78.53	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	78.53%	
124) SURR6,TERPHENYL-D14	10.774	244	545637	81.53	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	163.06%	
Target Compounds							
							Qvalue
2) Pyridine	2.608	79	376380	88.267	ppm	100	
3) N-Nitrosodimethylamine	2.581	74	220543	85.036	ppm	100	
4) 2-Picoline	3.190	93	361943	82.030	ppm	100	
5) N-Nitrosomethylamine	3.281	42	141006	78.611	ppm	100	
6) Methyl Methansulfonate	3.521	80	164037	81.611	ppm	100	
8) N-Nitrosodiethylamine	3.831	102	160555	81.486	ppm	100	
9) Ethyl Mathanesulfonate	4.076	79	264634	77.913	ppm	100	
10) Benzaldehyde	4.365	106	219717	77.316	ppm	100	
11) Aniline	4.456	93	516077	81.455	ppm	100	
13) Phenol	4.434	94	441888	81.389	ppm	100	
14) bis(2-Clethyl)Ether	4.493	93	294432	78.376	ppm	100	
15) Pentachloroethane	4.493	117	121611	80.401	ppm	100	
16) 2-Chlorophenol	4.562	128	346574	81.264	ppm	100	
17) 1,3-Diclbzene	4.685	146	355705	80.143	ppm	100	
18) 1,4-Dichlorobenzene	4.749	146	367639	80.941	ppm	100	
19) 1,2-Diclbzene	4.883	146	345901	79.703	ppm	100	
20) Benzyl Alcohol	4.861	79	234795	81.288	ppm	100	
21) 1-Methyl-2-pyrrolidinone	4.894	99	218447	82.749	ppm	100	
22) 2,2'-oxybis(1-Chloropr...	4.963	45	287632	79.683	ppm	100	
23) 2-Methylphenol	4.974	108	299664	78.308	ppm	100	
24) 3+4-Methylphenol	5.107	108	346543	80.038	ppm	100	
25) Acetophenone	5.096	105	418092	77.743	ppm	100	
26) N-Nitroso-Di-n-propyla...	5.091	70	221412	76.337	ppm	100	
27) N-Nitrosopyrrolidine	5.096	100	168207	79.753	ppm	100	
28) N-Nitrosomorpholine	5.123	56	156895	75.574	ppm	100	
29) o-Toluidine	5.129	106	466192	78.062	ppm	100	
30) Hexachloroethane	5.182	117	137561	78.684	ppm	100	
31) o,o,o-Triethylphosphor...	5.631	198	143394	78.753	ppm	100	
32) Alpha-terpinol	5.924	121	110881	78.152	ppm	100	
35) Nitrobenzene	5.257	77	329303	78.862	ppm	100	
36) N-Nitrosopiperidine	5.396	42	179943	79.271	ppm	100	
37) Isophorone	5.470	82	558994	80.302	ppm	100	
38) 2-Nitrophenol	5.545	139	179504	83.076	ppm	100	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	322041	82.762	ppm	100
40) bis(-2-Chloroethoxy)Me...	5.663	93	332522	81.244	ppm	100
41) Benzoic Acid	5.695	105	134604	80.159	ppm	94
42) 2,4-Dichlorophenol	5.785	162	259076	84.060	ppm	100
43) a,a-Dimethylphenethyla...	5.903	58	659304m	84.841	ppm	
44) 1,2,4-Trichlorobenzene	5.844	180	264242	81.315	ppm	100
45) Naphthalene	5.924	128	902601	79.924	ppm	100
46) 4-Chloroaniline	5.983	127	385441	81.565	ppm	100
47) 2,6-Dichlorophenol	5.988	162	260909	80.954	ppm	100
48) Hexachlorobutadiene	6.026	225	131095	79.619	ppm	100
49) Hexachloropropene	5.999	213	168191	81.754	ppm	100
50) 4-Chloro-3-methylphenol	6.469	107	254044	82.664	ppm	100
51) N-N-di-n-butylamine	6.288	84	194414	79.637	ppm	100
52) Caprolactam	6.346	113	93444	76.490	ppm	100
53) p-Phenylenediamine	6.341	80	67932	84.199	ppm	100
54) Safrole	6.501	162	236369	81.539	ppm	100
55) 2-Methylnaphthalene	6.592	142	592802	81.105	ppm	100
56) 1-Methylnaphthalene	6.688	142	542246	79.301	ppm	100
58) Hexachlorocyclopentadiene	6.731	237	117190	80.716	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.752	216	238205	78.926	ppm	100
60) 1,2,3,4-Tetrachloroben...	7.030	216	251337	79.086	ppm	100
61) 2,4,6-Trichlorophenol	6.875	196	155958	81.585	ppm	100
62) 2,4,5-Trichlorophenol	6.928	196	168305	81.859	ppm	100
64) Isosafrole	7.009	104	101971	77.320	ppm	# 62
65) 1,1'-Biphenyl	7.046	154	717251	78.956	ppm	100
66) 2-Chloronaphthalene	7.073	162	512823	78.105	ppm	100
67) 2-Nitroaniline	7.185	65	141128	75.195	ppm	100
68) 1,4-Naphthoquinone	7.254	158	172344	83.613	ppm	100
69) m-Dinitrobenzene	7.398	168	101285	78.517	ppm	100
70) Acenaphthylene	7.479	152	821644	78.128	ppm	100
71) Dimethyl phthalate	7.345	163	572844	74.623	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	132813	76.208	ppm	100
73) Acenaphthene	7.644	153	575749	78.700	ppm	100
74) 3-Nitroaniline	7.596	138	158445	79.087	ppm	100
75) 2,4-Dinitrophenol	7.708	184	54555	82.677	ppm	100
76) Dibenzofuran	7.815	168	715203	79.169	ppm	100
77) 2,4-Dinitrotoluene	7.820	165	183798	79.854	ppm	100
78) 4-Nitrophenol	7.810	65	110328	82.393	ppm	100
79) Pentachlorobenzene	7.772	250	190494	78.758	ppm	100
80) 1-Naphthylamine	7.906	143	361879	76.065	ppm	100
81) 2-Naphthylamine	7.986	143	463730	76.496	ppm	100
82) 2,3,4,6-Tetrachlorophenol	7.949	232	116398	82.848	ppm	100
83) Fluorene	8.157	166	564935	76.057	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	233614	77.960	ppm	100
85) Diethylphthalate	8.039	149	588104	77.358	ppm	100
86) 4-Nitroaniline	8.210	138	164156	83.070	ppm	100
87) 5-Nitro-o-toluidine	8.189	152	181063	80.711	ppm	100
89) Sulfotepp	8.419	322	73608	77.577	ppm	100
90) Octachlorocyclopentene	8.397	307	79068	81.859	ppm	100
92) Thionazin	8.120	107	95217	76.193	ppm	100
93) 4,6-Dinitro-2-methylph...	8.226	198	100320	81.703	ppm	100
94) Diphenylamine	8.274	169	873772	155.233	ppm	100
95) 1,2 Diphenylhydrazine	8.312	77	530964	74.741	ppm	100
96) N-Nitrosodiphenylamine	8.274	169	873772	155.233	ppm	100
97) 1,3,5-Trinitrobenzene	8.600	74	82701	81.405	ppm	99
98) Diallate	8.547	86	211831	73.782	ppm	100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR844.D
 Acq On : 30 Apr 2019 12:34 pm
 Operator : JMisiurewicz
 Sample : 80 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 10 Sample Multiplier: 1

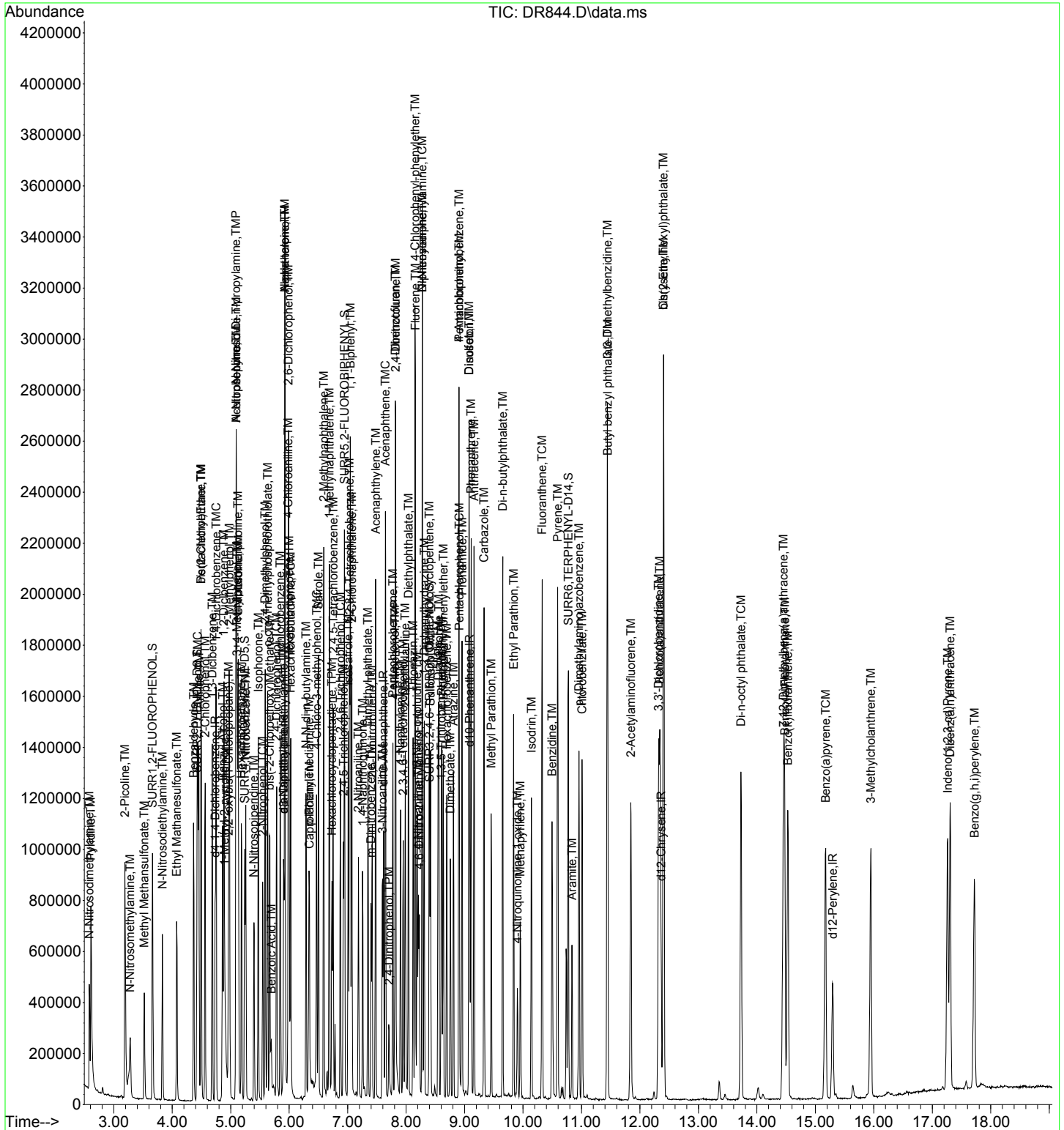
Quant Time: May 01 08:53:57 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.557	121	111891	75.944	ppm	100
100) Phenacetin	8.611	108	297716	80.209	ppm	100
101) 4-Bromophenyl-phenylether	8.638	248	127565	76.589	ppm	100
102) Hexachlorobenzene	8.696	284	140131	74.815	ppm	100
103) Dimethoate	8.755	87	186500	76.628	ppm	100
104) Atrazine	8.809	215	71495	78.500	ppm	100
105) Pentachlorophenol	8.910	266	56841	81.989	ppm	100
106) 4-Aminobiphenyl	8.905	169	462487	80.861	ppm	100
107) Pentachloronitrobenzene	8.905	237	56797	82.082	ppm	100
108) Pronamide	8.958	173	272179	83.573	ppm	100
109) Dinoseb	9.076	211	134438	83.187	ppm	100
110) Disulfoton	9.076	88	267536	72.456	ppm	100
111) Phenanthrene	9.113	178	785410	77.967	ppm	100
112) Anthracene	9.161	178	786077	78.536	ppm	100
113) Carbazole	9.332	167	791248	80.478	ppm	100
114) Di-n-butylphthalate	9.652	149	1008750	79.378	ppm	100
115) 4-Nitroquinonline-1-oxide	9.903	190	49818	83.608	ppm	100
116) Fluoranthene	10.325	202	835629	81.027	ppm	100
118) Methyl Parathion	9.455	109	183402	81.434	ppm	100
119) Ethyl Parathion	9.839	97	135214	80.357	ppm	100
120) Methapyrilene	9.952	58	195727	79.959	ppm	100
121) Isodrin	10.144	193	83187	80.091	ppm	100
122) Benzidine	10.496	184	562198	84.341	ppm	100
123) Pyrene	10.592	202	871472	83.541	ppm	100
125) Aramite	10.838	185	116877m	81.757	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	267727	86.391	ppm	100
127) Chlorobenzilate	11.009	139	302142	83.455	ppm	100
128) Butyl benzyl phthalate	11.447	149	468336	80.931	ppm	100
129) 3,3-Dimethylbenzidine	11.442	212	531704	83.799	ppm	100
130) 2-Acetylaminofluorene	11.842	181	388225	84.001	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	306168	81.027	ppm	100
132) Benzo(a)anthracene	12.339	228	773134	80.150	ppm	100
133) Chrysene	12.403	228	712779	80.322	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.403	149	645437	81.041	ppm	100
136) Di-n-octyl phthalate	13.728	149	1089722	80.711	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.454	256	354463	82.419	ppm	100
138) Benzo(b)Fluoranthene	14.475	252	769221	81.251	ppm	100
139) Benzo(k)fluoranthene	14.529	252	736138	82.097	ppm	100
140) Benzo(a)pyrene	15.175	252	662670	81.392	ppm	100
141) 3-Methylcholanthrene	15.950	268	389332	81.648	ppm	100
142) Indeno(1,2,3-cd)Pyrene	17.263	276	634202	79.429	ppm	100
143) Dibenz(a,h)anthracene	17.306	278	677770	81.016	ppm	100
144) Benzo(g,h,i)perylene	17.723	276	548987	79.777	ppm	100

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

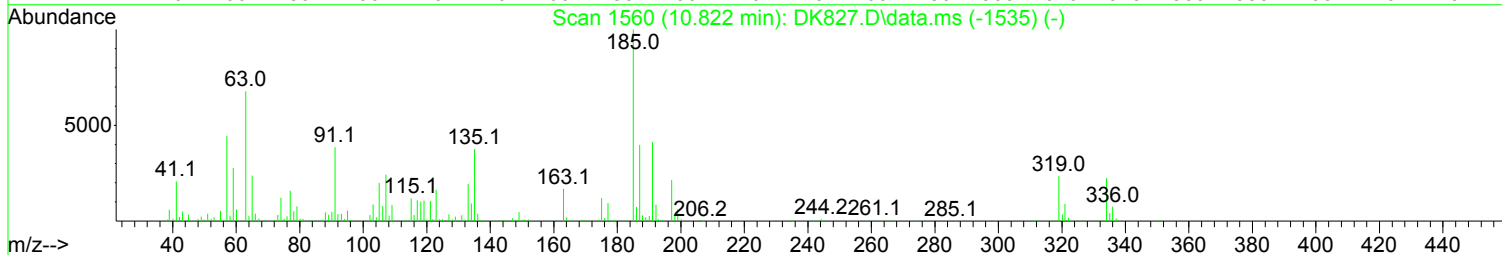
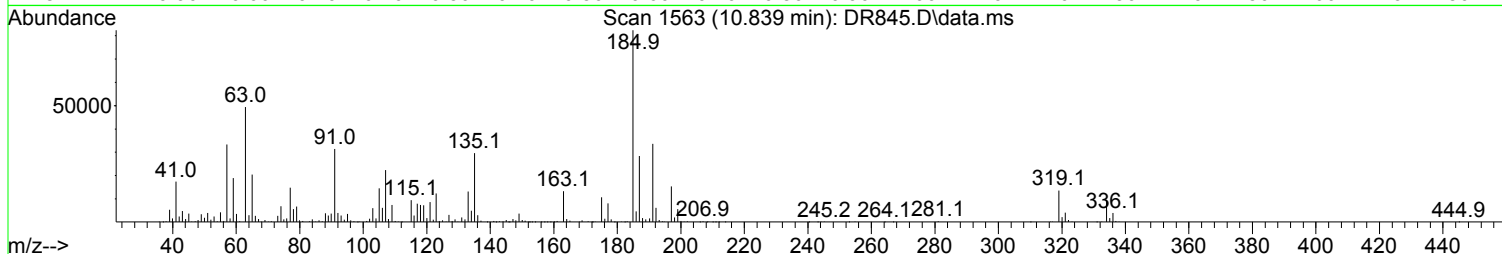
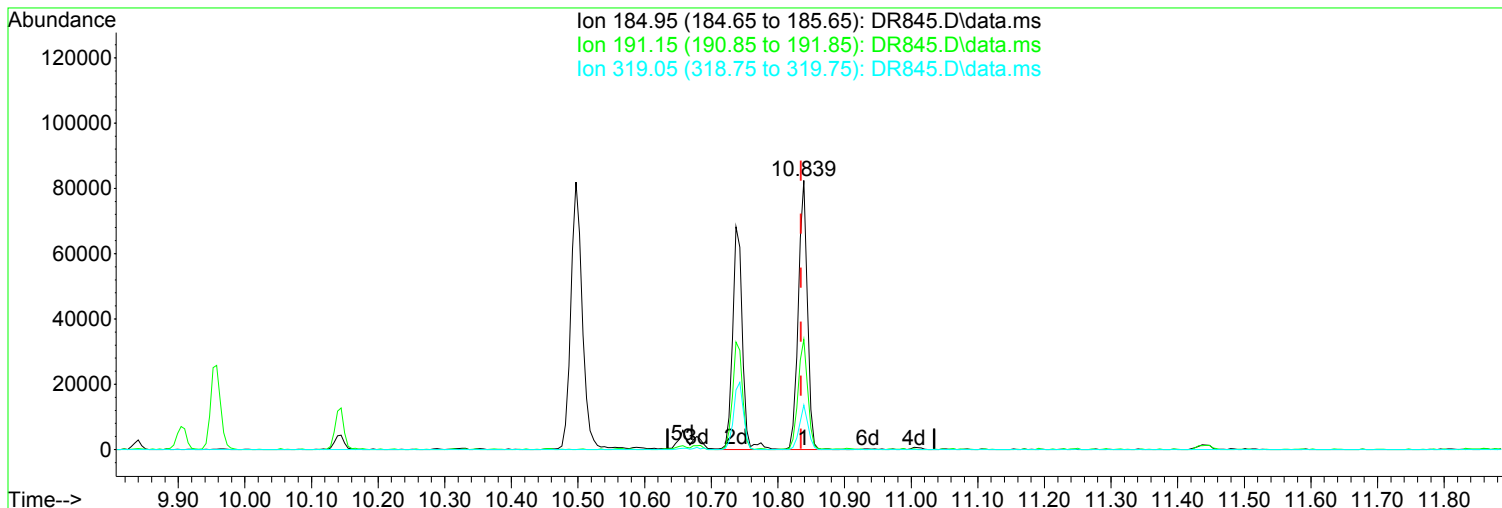
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR844.D
Acq On : 30 Apr 2019 12:34 pm
Operator : JMisiurewicz
Sample : 80 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 01 08:53:57 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 102.06 ppm m

After

response 147188

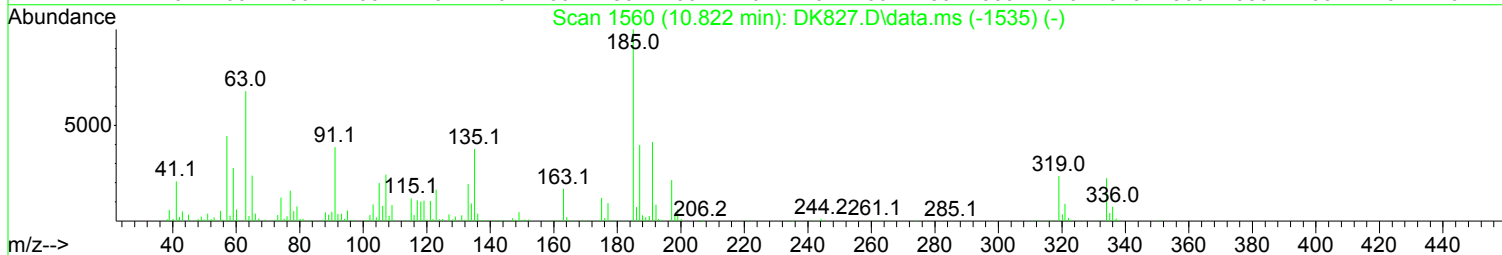
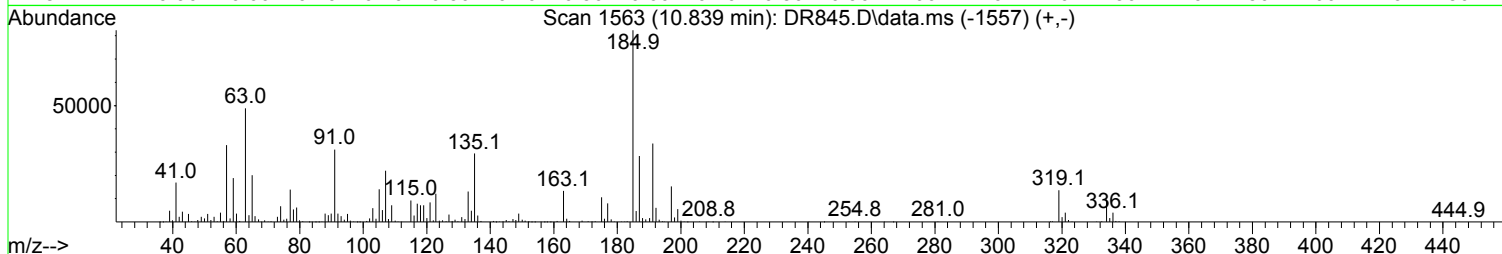
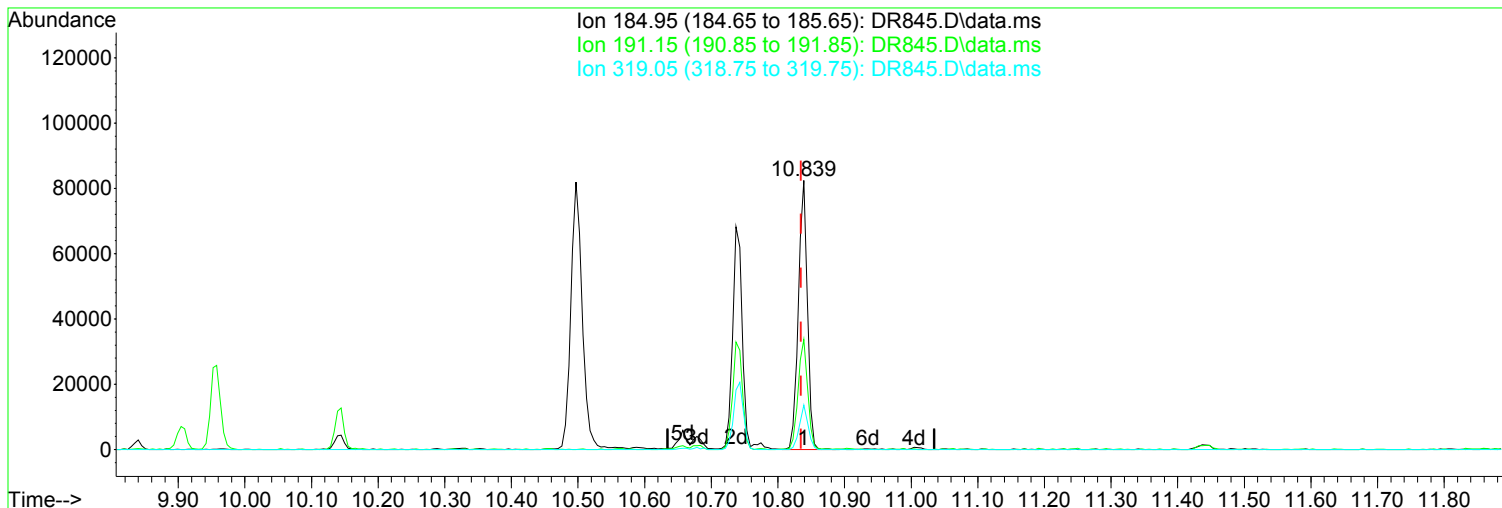
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.89
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.839min (+ 0.004) 54.24 ppm

Before

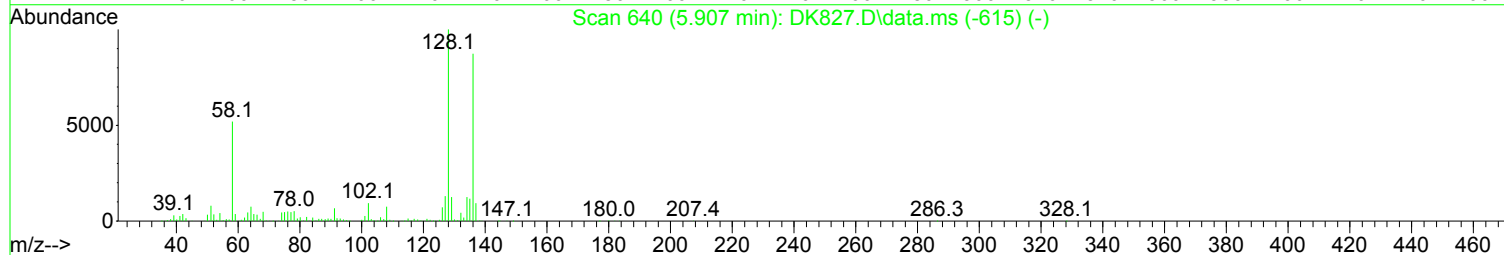
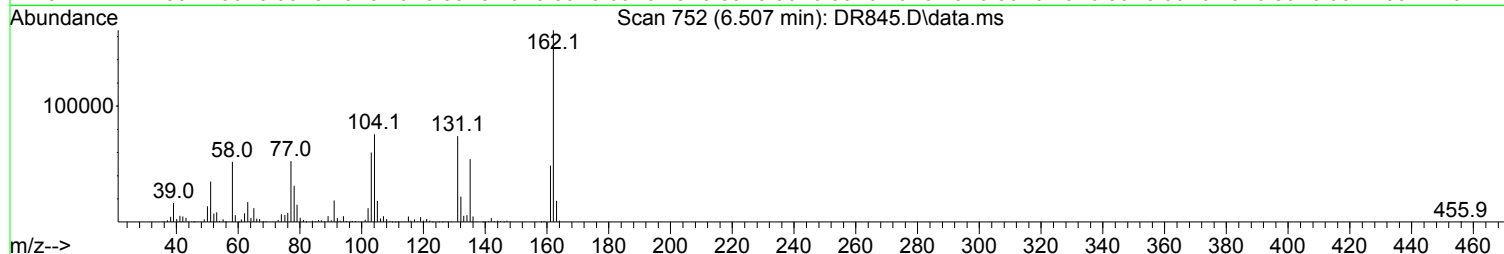
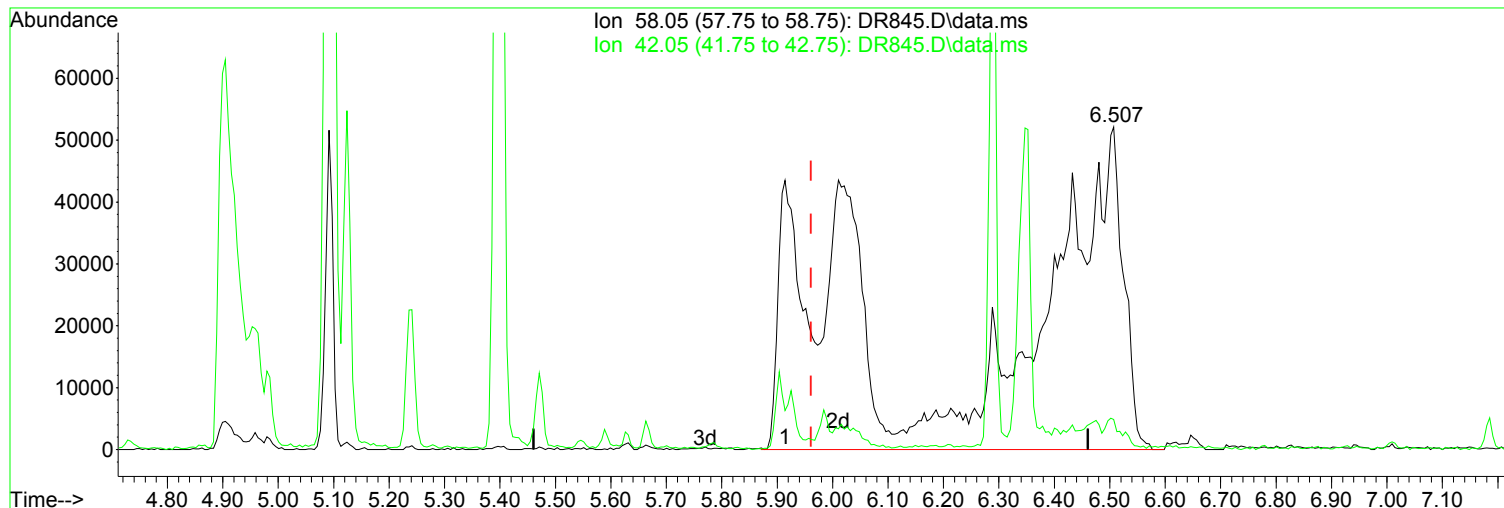
response 78224

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	40.65
319.05	16.80	16.51
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.507min (+ 0.546) 99.84 ppm m

After

response 796456

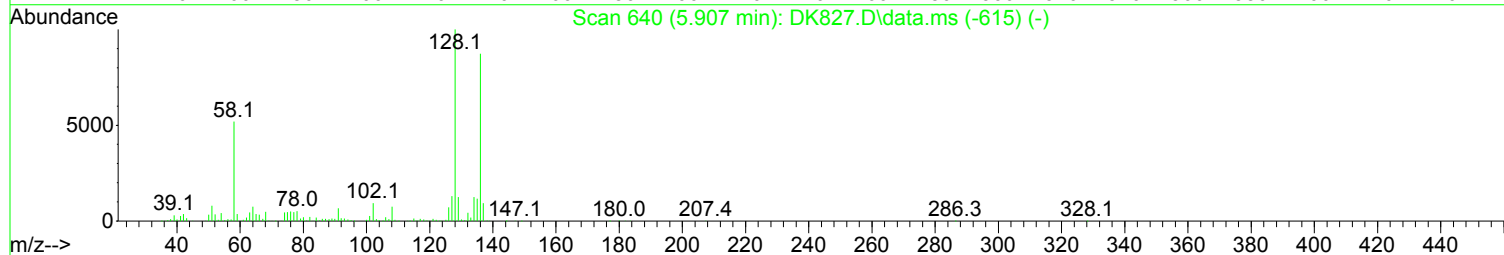
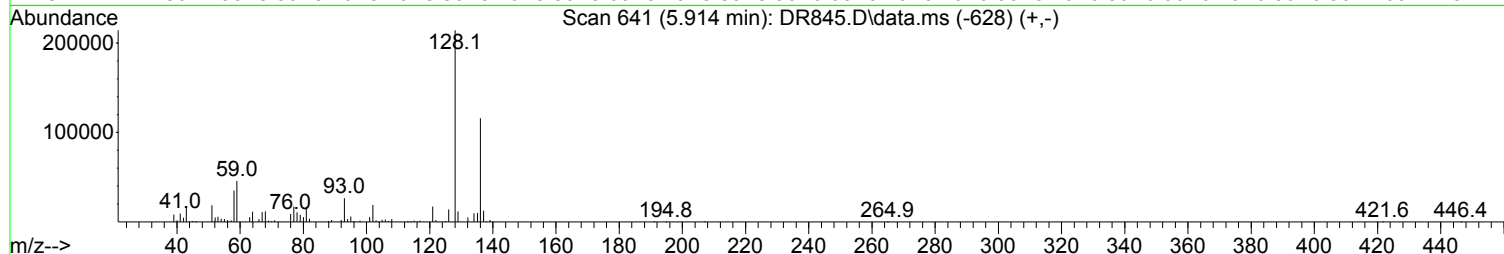
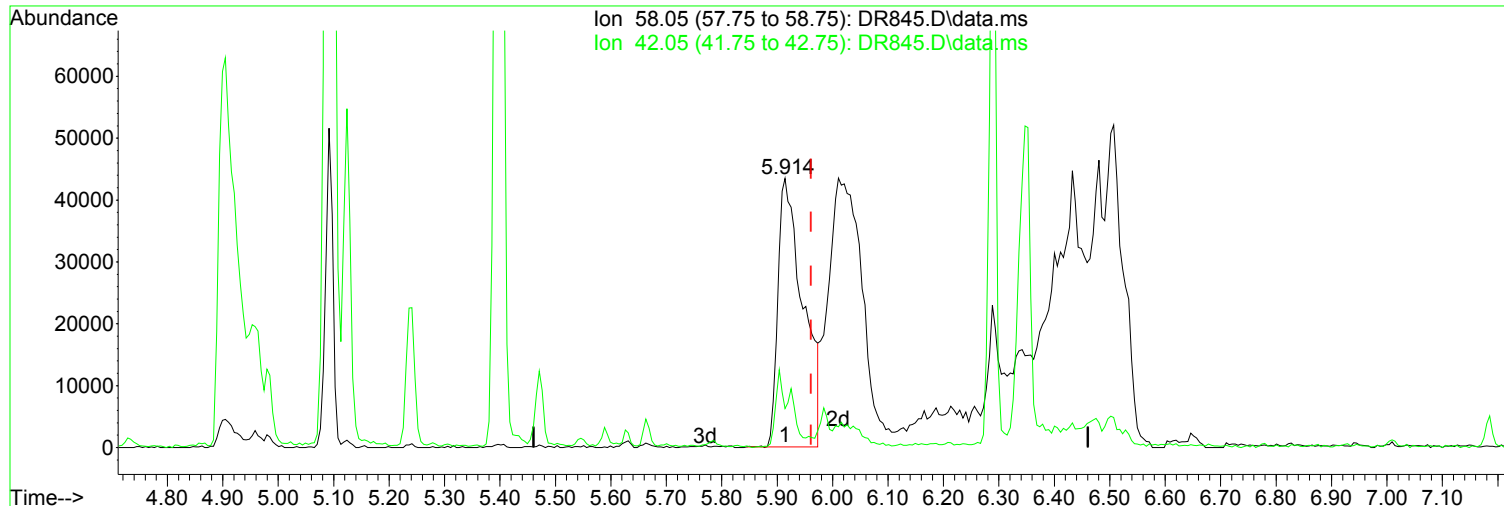
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	9.29
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR845.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.914min (-0.047) 17.09 ppm

Before

response 136308

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	13.79
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.734	152	109457	40.00	ppm	0.00	
33) d8-Naphthalene	5.904	136	420623	40.00	ppm	0.00	
57) d10-Acenaphthene	7.613	164	206728	40.00	ppm	0.00	
91) d10-Phenanthrene	9.087	188	321848	40.00	ppm	0.00	
117) d12-Chrysene	12.361	240	286588	40.00	ppm	0.00	
135) d12-Perylene	15.293	264	283552	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.660	112	397380	99.81	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	99.81%#	
12) SURR2,PHENOL-D6	4.424	99	495554	101.31	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	101.31%	
34) SURR4,NITROBENZENE-D5	5.241	82	399227	93.53	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	187.06%#	
63) SURR5,2-FLUOROBIPHENYL	6.945	172	757488	96.36	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	192.72%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.403	330	82636	97.62	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	97.62%	
124) SURR6,TERPHENYL-D14	10.775	244	685479	101.53	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	203.06%#	
Target Compounds							
							Qvalue
2) Pyridine	2.608	79	445323	105.997	ppm		99
3) N-Nitrosodimethylamine	2.581	74	269479	105.459	ppm		96
4) 2-Picoline	3.190	93	427285	98.288	ppm		96
5) N-Nitrosomethylamine	3.276	42	171847	97.237	ppm		90
6) Methyl Methansulfonate	3.521	80	204172	103.098	ppm		97
8) N-Nitrosodiethylamine	3.831	102	195112	100.506	ppm		98
9) Ethyl Mathanesulfonate	4.077	79	322226	96.288	ppm		99
10) Benzaldehyde	4.365	106	266582	95.210	ppm		99
11) Aniline	4.456	93	631154	101.107	ppm		100
13) Phenol	4.435	94	531699	99.395	ppm		98
14) bis(2-Clethyl)Ether	4.494	93	352753	95.305	ppm		99
15) Pentachloroethane	4.488	117	145001	97.299	ppm		93
16) 2-Chlorophenol	4.563	128	420052	99.965	ppm		99
17) 1,3-Diclbzene	4.680	146	434762	99.420	ppm		99
18) 1,4-Dichlorobenzene	4.750	146	439505	98.210	ppm		97
19) 1,2-Diclbzene	4.883	146	424944	99.381	ppm		99
20) Benzyl Alcohol	4.862	79	297009	104.365	ppm		99
21) 1-Methyl-2-pyrrolidinone	4.905	99	266137	102.322	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.964	45	344701	96.921	ppm		96
23) 2-Methylphenol	4.980	108	360667	95.659	ppm		99
24) 3+4-Methylphenol	5.113	108	417136	97.783	ppm		98
25) Acetophenone	5.097	105	508872	96.038	ppm		98
26) N-Nitroso-Di-n-propyla...	5.092	70	278889	97.591	ppm		100
27) N-Nitrosopyrrolidine	5.097	100	202587	97.490	ppm		89
28) N-Nitrosomorpholine	5.124	56	195131	95.397	ppm		98
29) o-Toluidine	5.129	106	581032	98.747	ppm		93
30) Hexachloroethane	5.183	117	168352	97.737	ppm		98
31) o,o,o-Triethylphosphor...	5.631	198	177230	98.792	ppm		98
32) Alpha-terpinol	5.925	121	136732	97.814	ppm		97
35) Nitrobenzene	5.257	77	398508	92.966	ppm		98
36) N-Nitrosopiperidine	5.396	42	225618	96.822	ppm		94
37) Isophorone	5.471	82	684183	95.744	ppm		99
38) 2-Nitrophenol	5.546	139	219228	98.836	ppm		100

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR845.D
 Acq On : 30 Apr 2019 1:03 pm
 Operator : JMisiurewicz
 Sample : 100 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 08:54:02 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.588	107	389988	97.632	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.663	93	407625	97.018	ppm	99
41) Benzoic Acid	5.701	105	181841	100.750	ppm	98
42) 2,4-Dichlorophenol	5.786	162	316719	100.105	ppm	99
43) a,a-Dimethylphenethyla...	6.507	58	796456m	99.839	ppm	
44) 1,2,4-Trichlorobenzene	5.845	180	322841	96.777	ppm	98
45) Naphthalene	5.925	128	1106685	95.460	ppm	99
46) 4-Chloroaniline	5.984	127	472643	97.432	ppm	98
47) 2,6-Dichlorophenol	5.989	162	330909	100.018	ppm	97
48) Hexachlorobutadiene	6.026	225	159911	94.608	ppm	100
49) Hexachloropropene	6.000	213	204175	96.678	ppm	99
50) 4-Chloro-3-methylphenol	6.470	107	309999	98.262	ppm	85
51) N-N-di-n-butylamine	6.288	84	240177	95.838	ppm	96
52) Caprolactam	6.352	113	118294	94.327	ppm	98
53) p-Phenylenediamine	6.342	80	79871	96.437	ppm	93
54) Safrole	6.502	162	301477	101.310	ppm	95
55) 2-Methylnaphthalene	6.593	142	721249	96.126	ppm	98
56) 1-Methylnaphthalene	6.689	142	678178	96.615	ppm	99
58) Hexachlorocyclopentadiene	6.731	237	151756	101.110	ppm	99
59) 1,2,4,5-Tetrachloroben...	6.753	216	299645	98.483	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.031	216	312004	97.384	ppm	99
61) 2,4,6-Trichlorophenol	6.876	196	199664	103.607	ppm	93
62) 2,4,5-Trichlorophenol	6.929	196	211791	102.179	ppm	97
64) Isosafrole	7.009	104	127160	95.643	ppm	98
65) 1,1'-Biphenyl	7.047	154	886702	96.823	ppm	99
66) 2-Chloronaphthalene	7.068	162	634011	95.784	ppm	98
67) 2-Nitroaniline	7.185	65	173788	91.851	ppm	98
68) 1,4-Naphthoquinone	7.255	158	199712	96.109	ppm	84
69) m-Dinitrobenzene	7.399	168	130927	100.677	ppm	100
70) Acenaphthylene	7.479	152	1021941	96.391	ppm	100
71) Dimethyl phthalate	7.346	163	711077	91.884	ppm	100
72) 2,6-Dinitrotoluene	7.420	165	174278	99.195	ppm	96
73) Acenaphthene	7.645	153	709785	96.239	ppm	99
74) 3-Nitroaniline	7.597	138	200747	99.394	ppm	96
75) 2,4-Dinitrophenol	7.704	184	73107	101.037	ppm	94
76) Dibenzofuran	7.816	168	883878	97.051	ppm	98
77) 2,4-Dinitrotoluene	7.821	165	233202	100.502	ppm	92
78) 4-Nitrophenol	7.810	65	131899	97.708	ppm	# 62
79) Pentachlorobenzene	7.773	250	241221	98.927	ppm	98
80) 1-Naphthylamine	7.907	143	445596	92.907	ppm	99
81) 2-Naphthylamine	7.987	143	589167	96.405	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.949	232	145153	102.482	ppm	97
83) Fluorene	8.158	166	709836	94.795	ppm	100
84) 4-Chlorophenyl-phenyle...	8.152	204	287226	95.079	ppm	99
85) Diethylphthalate	8.040	149	741803	96.789	ppm	98
86) 4-Nitroaniline	8.211	138	202375	101.585	ppm	96
87) 5-Nitro-o-toluidine	8.190	152	227934	100.785	ppm	98
89) Sulfotepp	8.419	322	92607	96.814	ppm	95
90) Octachlorocyclopentene	8.393	307	98252	100.901	ppm	96
92) Thionazin	8.120	107	118942	94.198	ppm	98
93) 4,6-Dinitro-2-methylph...	8.227	198	129465	104.354	ppm	97
94) Diphenylamine	8.275	169	1088988	191.476	ppm	98
95) 1,2 Diphenylhydrazine	8.307	77	654364	91.163	ppm	95
96) N-Nitrosodiphenylamine	8.275	169	1088988	191.476	ppm	98
97) 1,3,5-Trinitrobenzene	8.606	74	101938	99.308	ppm	94
98) Diallate	8.547	86	262442	90.469	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR845.D
Acq On : 30 Apr 2019 1:03 pm
Operator : JMisiurewicz
Sample : 100 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 11 Sample Multiplier: 1

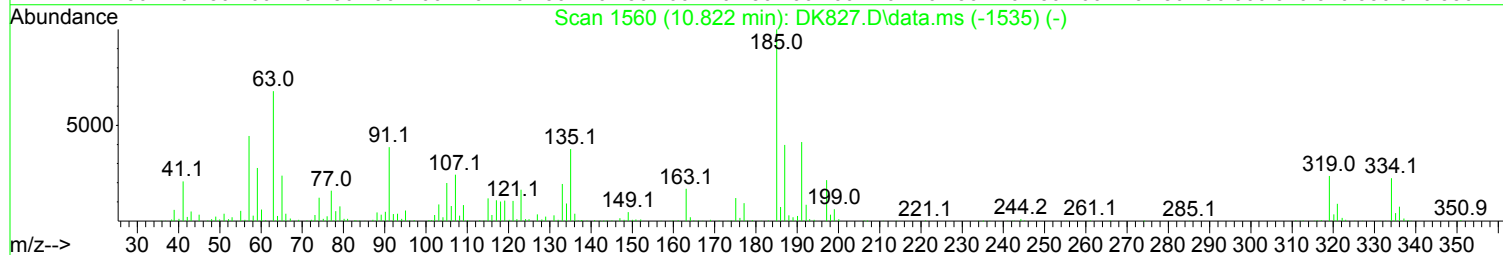
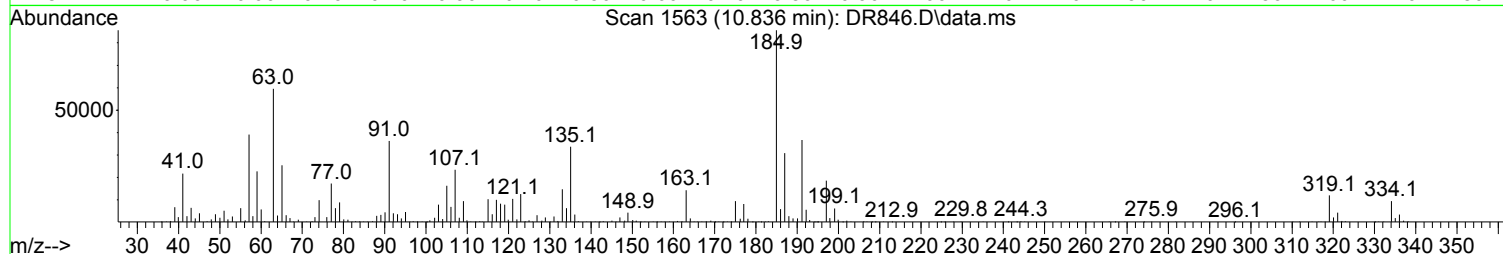
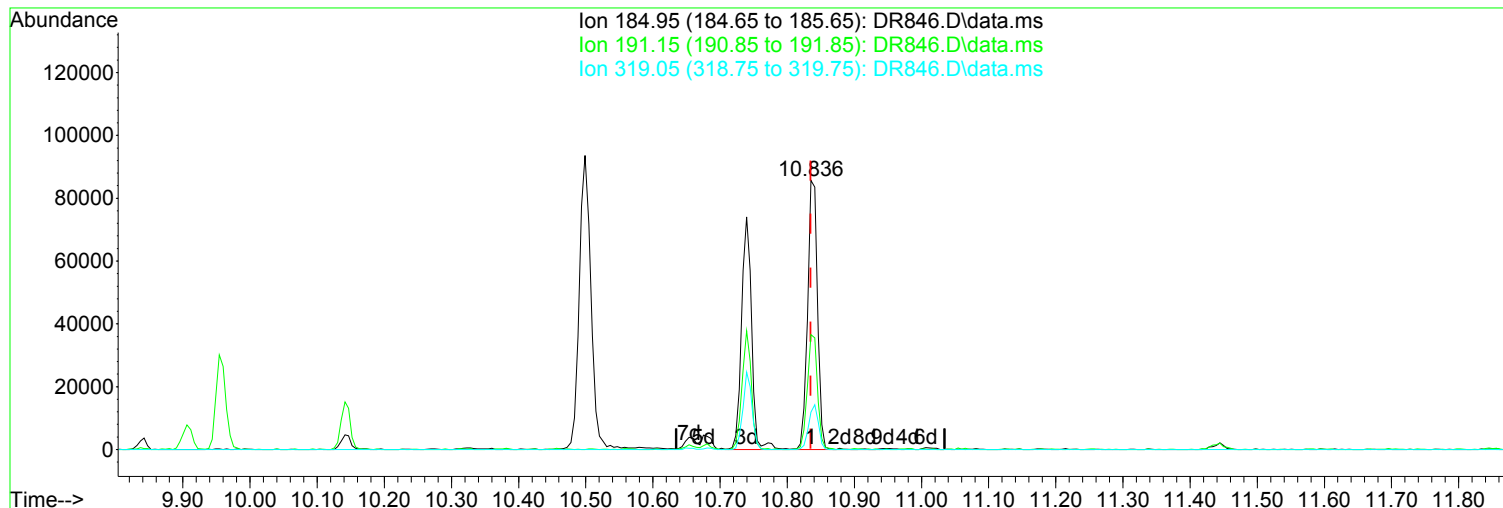
Quant Time: May 01 08:54:02 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.558	121	137502	92.367	ppm	97
100) Phenacetin	8.617	108	368881	98.359	ppm	97
101) 4-Bromophenyl-phenylether	8.638	248	158468	94.164	ppm	97
102) Hexachlorobenzene	8.697	284	173023	91.425	ppm	94
103) Dimethoate	8.761	87	225714	91.785	ppm	98
104) Atrazine	8.809	215	88572	96.249	ppm	98
105) Pentachlorophenol	8.911	266	73288	99.843	ppm	97
106) 4-Aminobiphenyl	8.905	169	575554	99.594	ppm	99
107) Pentachloronitrobenzene	8.905	237	73107	104.565	ppm	99
108) Pronamide	8.959	173	341727	103.848	ppm	99
109) Dinoseb	9.076	211	166760	102.124	ppm	96
110) Disulfoton	9.076	88	333707	89.447	ppm	98
111) Phenanthrene	9.114	178	986591	96.930	ppm	100
112) Anthracene	9.162	178	981876	97.088	ppm	99
113) Carbazole	9.333	167	968432	97.485	ppm	100
114) Di-n-butylphthalate	9.653	149	1276686	99.428	ppm	99
115) 4-Nitroquinonline-1-oxide	9.904	190	66597	110.617	ppm	97
116) Fluoranthene	10.326	202	1048290	100.601	ppm	100
118) Methyl Parathion	9.455	109	222878	98.095	ppm	99
119) Ethyl Parathion	9.840	97	167044	98.404	ppm	96
120) Methapyrilene	9.952	58	234558	94.983	ppm	100
121) Isodrin	10.144	193	106211	101.362	ppm	98
122) Benzidine	10.497	184	692387	102.962	ppm	100
123) Pyrene	10.593	202	1088946	103.474	ppm	99
125) Aramite	10.839	185	147188m	102.058	ppm	
126) p-(Dimethylamino)azobe...	10.956	120	335183	107.210	ppm	94
127) Chlorobenzilate	11.010	139	375294	102.753	ppm	99
128) Butyl benzyl phthalate	11.448	149	579692	99.296	ppm	99
129) 3,3-Dimethylbenzidine	11.442	212	663318	103.626	ppm	99
130) 2-Acetylaminofluorene	11.848	181	484732	103.964	ppm	100
131) 3,3'-Dichlorobenzidine	12.318	252	385310	101.079	ppm	98
132) Benzo(a)anthracene	12.340	228	945968	97.209	ppm	99
133) Chrysene	12.409	228	871230	97.318	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.404	149	798808	99.420	ppm	99
136) Di-n-octyl phthalate	13.728	149	1386478	103.031	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.460	256	436078	101.732	ppm	97
138) Benzo(b)Fluoranthene	14.481	252	945047	100.153	ppm	99
139) Benzo(k)fluoranthene	14.535	252	894547	100.094	ppm	99
140) Benzo(a)pyrene	15.176	252	833780	102.747	ppm	99
141) 3-Methylcholanthrene	15.950	268	482327	101.485	ppm	97
142) Indeno(1,2,3-cd)Pyrene	17.264	276	791258	99.427	ppm	95
143) Dibenz(a,h)anthracene	17.307	278	812957	97.497	ppm	99
144) Benzo(g,h,i)perylene	17.723	276	654462	95.419	ppm	97

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

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 115.63 ppm m

After

response 164803

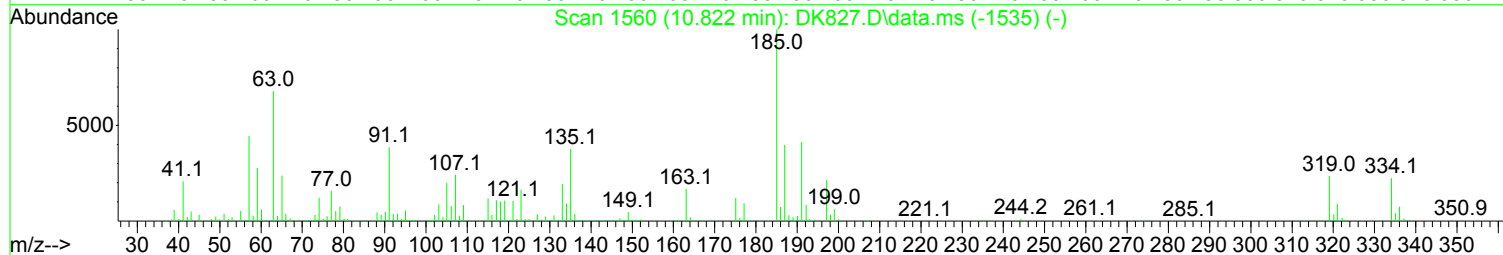
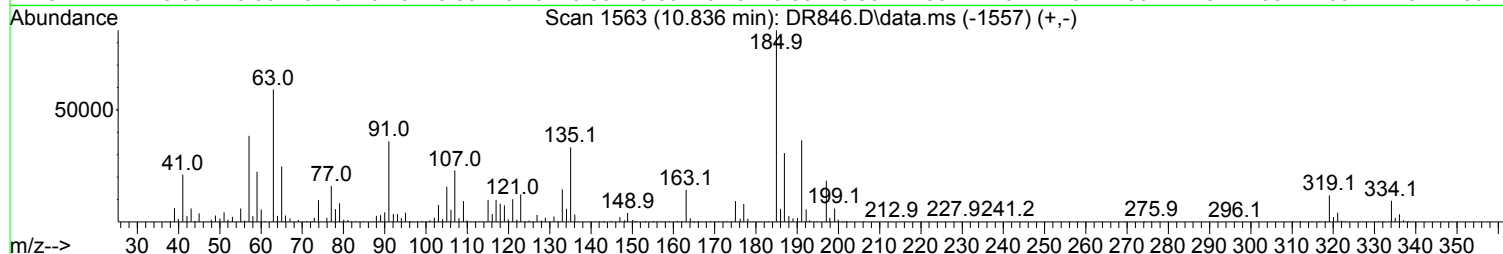
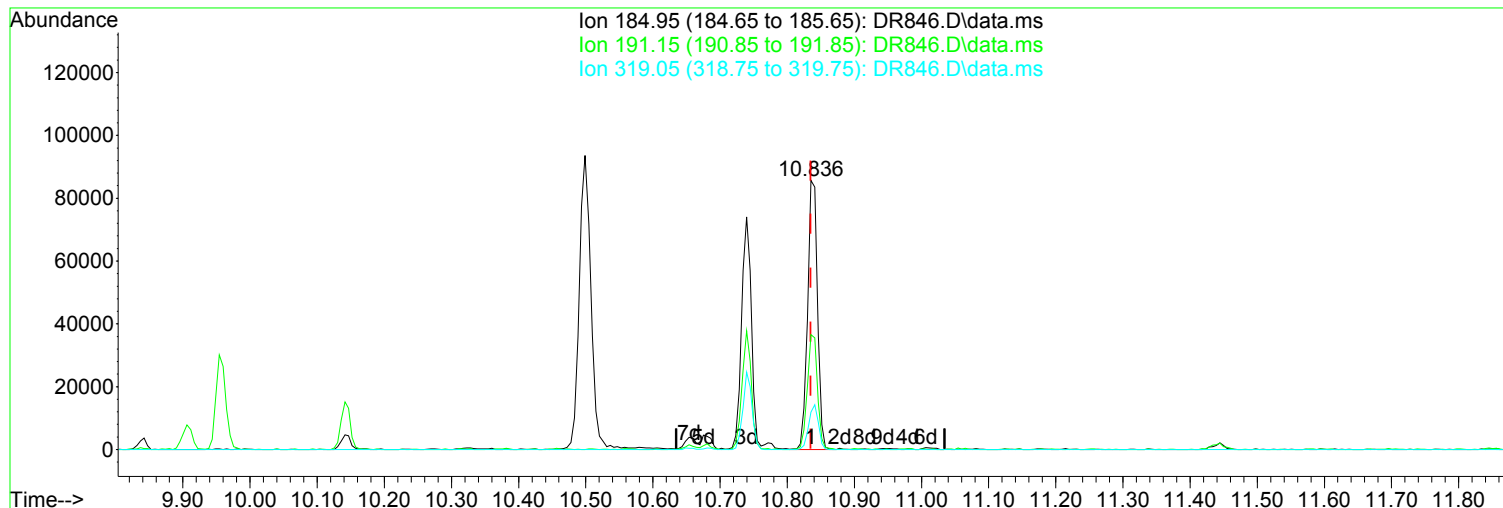
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.74
319.05	16.80	13.91
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.836min (+ 0.001) 61.01 ppm

Before

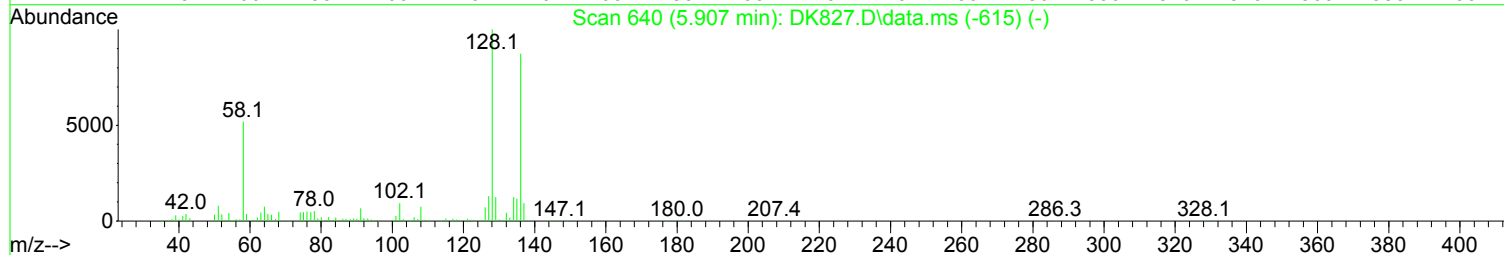
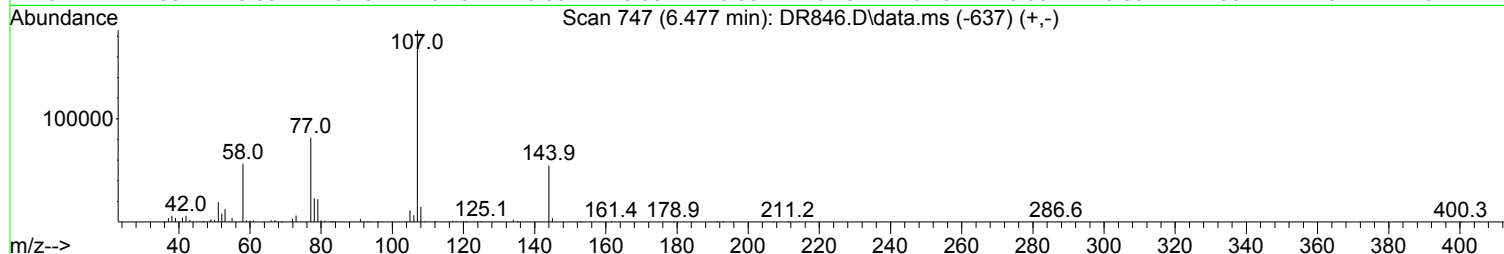
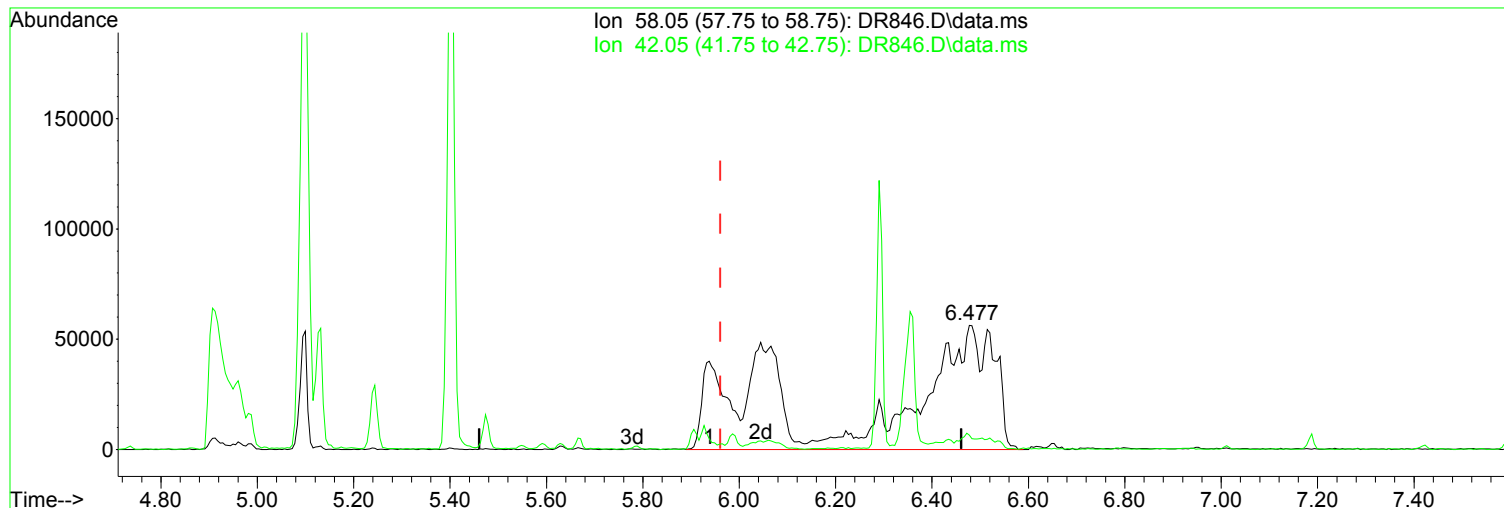
response 86950

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	42.61
319.05	16.80	13.92
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.477min (+ 0.516) 113.34 ppm m

After

response 906641

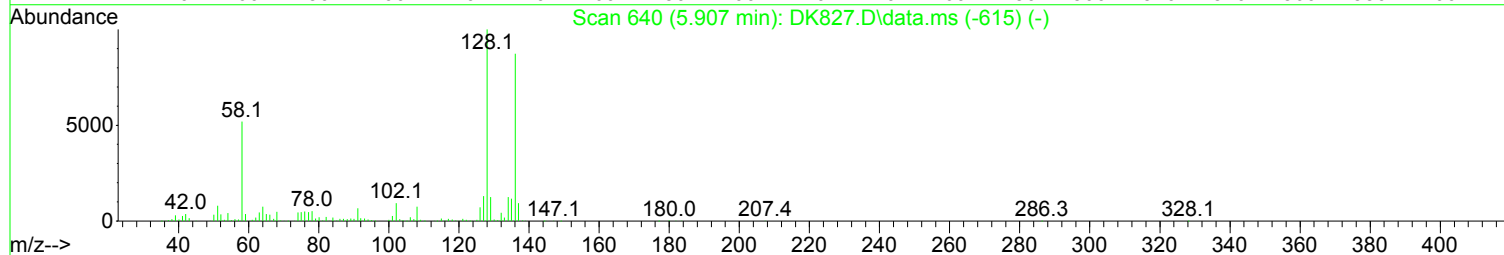
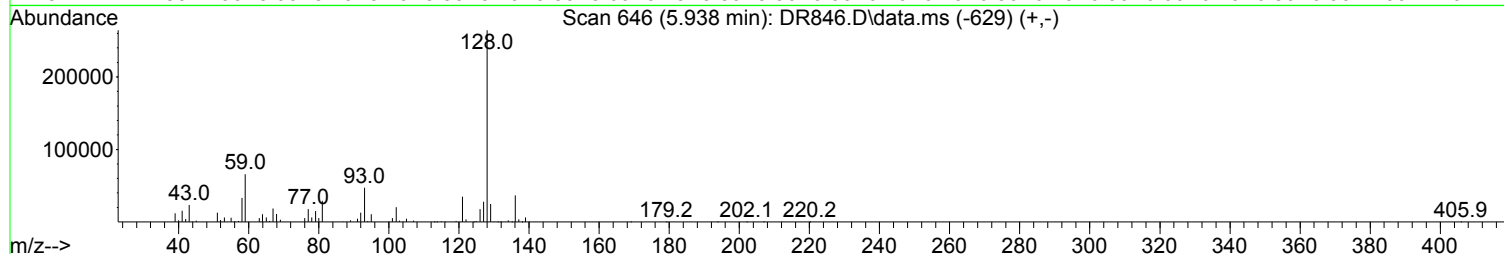
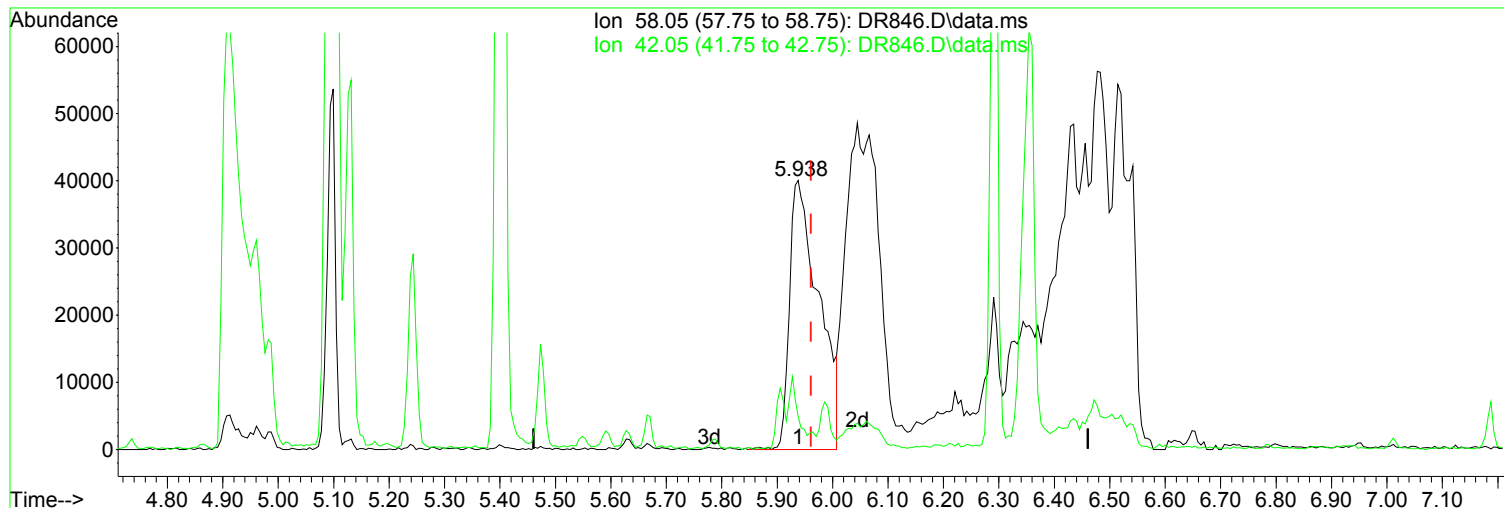
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	11.47
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.938min (-0.023) 18.38 ppm

Before

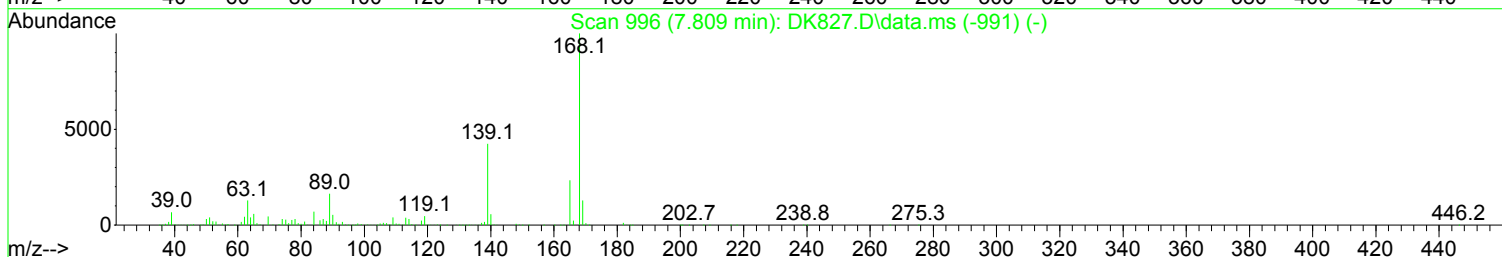
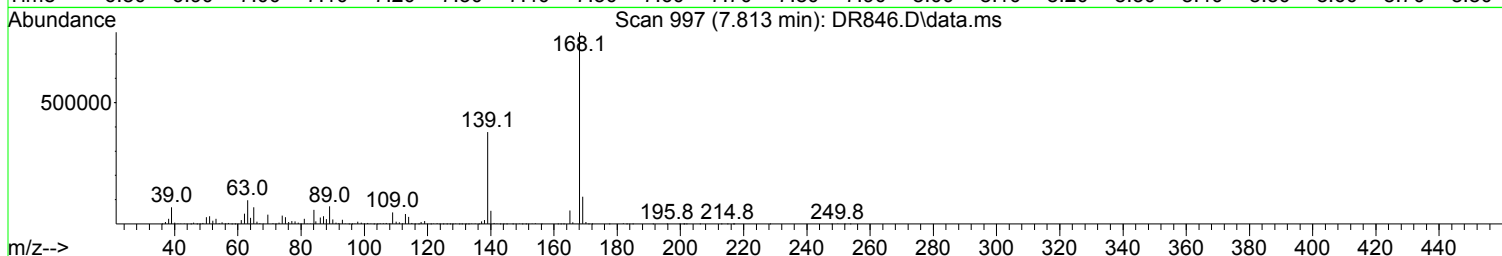
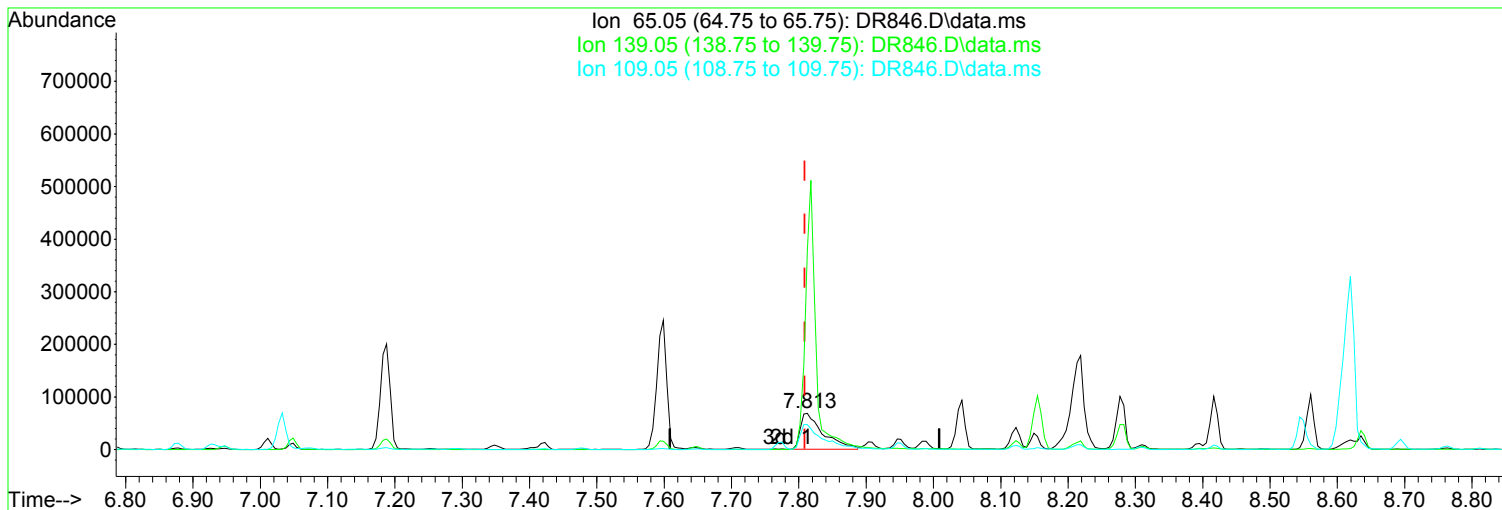
response 146998

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	12.27
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)

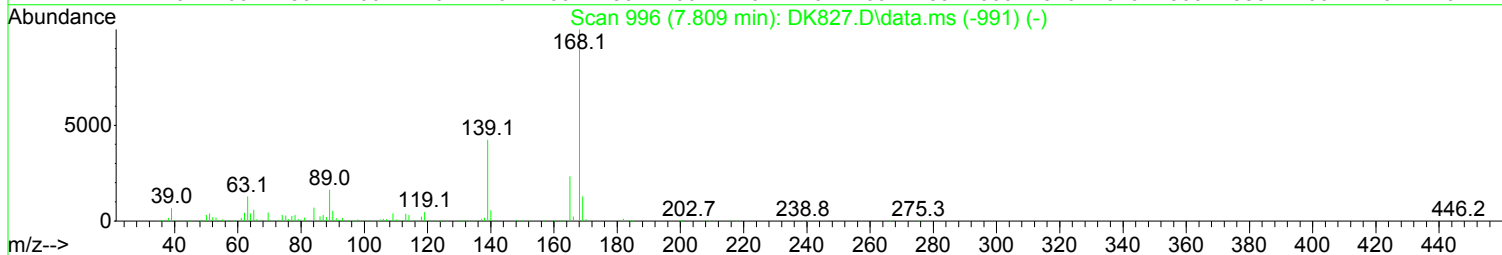
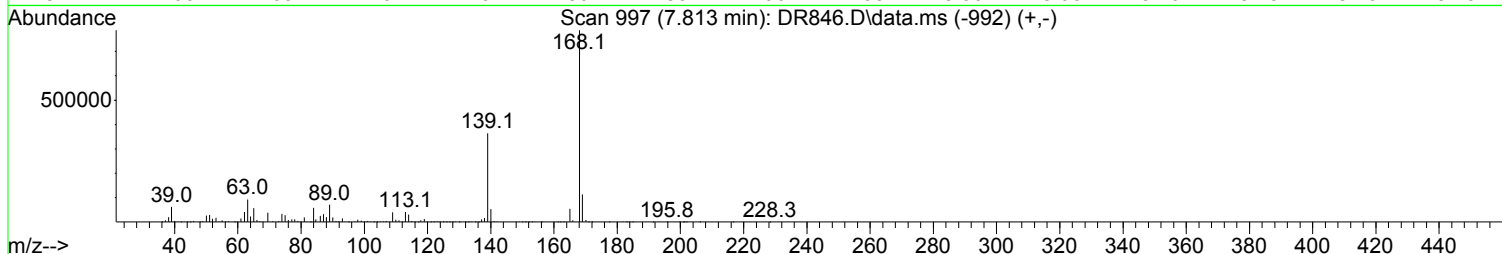
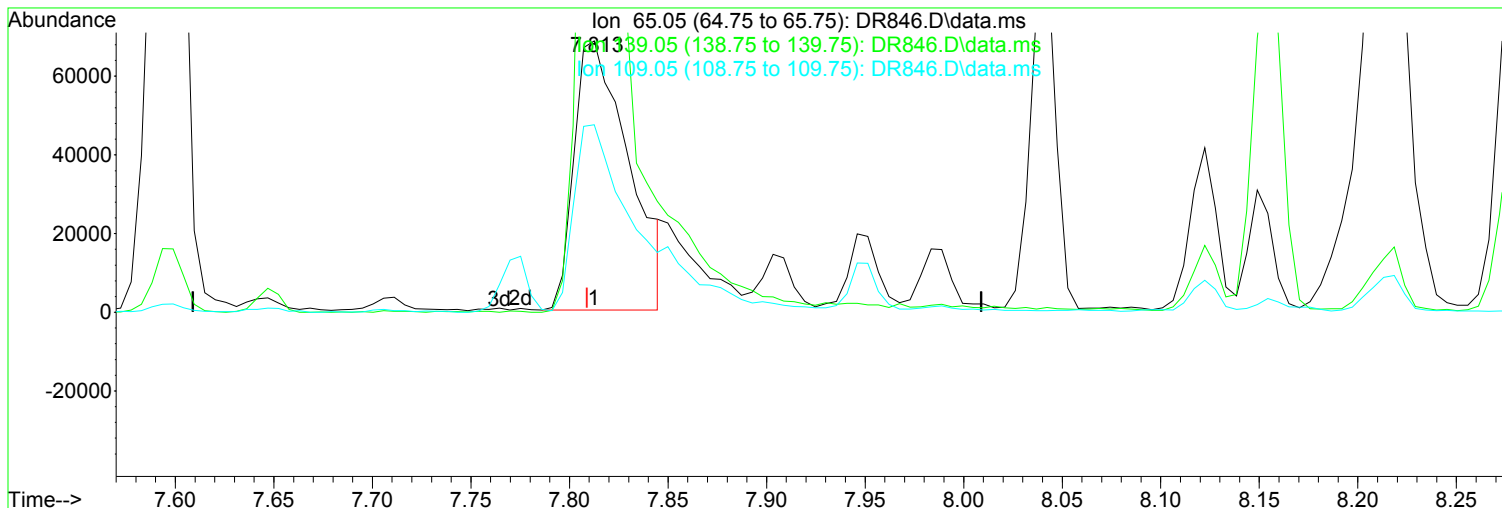
7.813min (+ 0.004) 123.14 ppm m

response	159403
Ion	Exp% Act%
65.05	100.00 100.00
139.05	423.70 548.70#
109.05	68.90 69.10
0.00	0.00 0.00

Manual Integration:
 After
 Poor integration.
 05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR846.D\data.ms

(78) 4-Nitrophenol (TMP)			Manual Integration:
7.813min (+ 0.004)	101.36 ppm		Before
response	131217		
Ion	Exp%	Act%	05/01/19
65.05	100.00	100.00	
139.05	423.70	641.26#	
109.05	68.90	69.85	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.736	152	108526	40.00	ppm	0.00
33) d8-Naphthalene	5.906	136	421788	40.00	ppm	0.00
57) d10-Acenaphthene	7.615	164	198246	40.00	ppm	0.00
91) d10-Phenanthrene	9.089	188	316717	40.00	ppm	0.00
117) d12-Chrysene	12.358	240	283220	40.00	ppm	0.00
135) d12-Perylene	15.295	264	278222	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.663	112	454937	115.25	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	115.25%#
12) SURR2,PHENOL-D6	4.426	99	576105	118.79	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	118.79%#
34) SURR4,NITROBENZENE-D5	5.243	82	458691	107.17	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	214.34%#
63) SURR5,2-FLUOROBIPHENYL	6.947	172	867102	115.02	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	230.04%#
88) SURR3,2,4,6-TRIBROMOPH...	8.405	330	97368	119.94	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	119.94%
124) SURR6,TERPHENYL-D14	10.771	244	783292	117.40	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	234.80%#

Target Compounds						Qvalue
2) Pyridine	2.610	79	519246	124.653	ppm	99
3) N-Nitrosodimethylamine	2.584	74	317046	125.138	ppm	94
4) 2-Picoline	3.193	93	494192	114.653	ppm	98
5) N-Nitrosomethylamine	3.283	42	202086	115.329	ppm	98
6) Methyl Methansulfonate	3.524	80	234005	119.176	ppm	97
8) N-Nitrosodiethylamine	3.833	102	225841	117.333	ppm	100
9) Ethyl Mathanesulfonate	4.084	79	372160	112.164	ppm	95
10) Benzaldehyde	4.368	106	304075	109.532	ppm	97
11) Aniline	4.458	93	718352	116.063	ppm	99
13) Phenol	4.442	94	621502	117.179	ppm	97
14) bis(2-Clethyl)Ether	4.496	93	406585	110.792	ppm	98
15) Pentachloroethane	4.496	117	169837	114.942	ppm	98
16) 2-Chlorophenol	4.565	128	485467	116.524	ppm	99
17) 1,3-Diclbzene	4.688	146	505993	116.702	ppm	98
18) 1,4-Dichlorobenzene	4.752	146	513454	115.719	ppm	99
19) 1,2-Diclbzene	4.886	146	483205	113.976	ppm	98
20) Benzyl Alcohol	4.864	79	346386	122.760	ppm	95
21) 1-Methyl-2-pyrrolidinone	4.907	99	307067	119.072	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.966	45	395763	112.233	ppm	96
23) 2-Methylphenol	4.987	108	425564	113.840	ppm	98
24) 3+4-Methylphenol	5.115	108	494589	116.933	ppm	99
25) Acetophenone	5.099	105	600464	114.296	ppm	99
26) N-Nitroso-Di-n-propyla...	5.099	70	315367	111.303	ppm	98
27) N-Nitrosopyrrolidine	5.105	100	238538	115.776	ppm	79
28) N-Nitrosomorpholine	5.131	56	225709	111.293	ppm	100
29) o-Toluidine	5.131	106	669441	114.748	ppm	84
30) Hexachloroethane	5.185	117	196802	115.233	ppm	98
31) o,o,o-Triethylphosphor...	5.633	198	208297	117.105	ppm	75
32) Alpha-terpinol	5.927	121	153880	111.026	ppm	97
35) Nitrobenzene	5.260	77	464373	108.033	ppm	98
36) N-Nitrosopiperidine	5.404	42	258156	110.479	ppm	96
37) Isophorone	5.473	82	793167	110.689	ppm	98
38) 2-Nitrophenol	5.548	139	259485	116.662	ppm	97

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR846.D
 Acq On : 30 Apr 2019 1:33 pm
 Operator : JMisiurewicz
 Sample : 120 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 2,4-Dimethylphenol	5.591	107	457106	114.119	ppm	98
40) bis(-2-Chloroethoxy)Me...	5.665	93	464343	110.212	ppm	99
41) Benzoic Acid	5.708	105	224678	120.961	ppm	93
42) 2,4-Dichlorophenol	5.788	162	364629	114.930	ppm	99
43) a,a-Dimethylphenethyla...	6.477	58	906641m	113.337	ppm	
44) 1,2,4-Trichlorobenzene	5.847	180	375678	112.305	ppm	99
45) Naphthalene	5.927	128	1274063	109.595	ppm	98
46) 4-Chloroaniline	5.986	127	538310	110.662	ppm	99
47) 2,6-Dichlorophenol	5.991	162	379452	114.373	ppm	99
48) Hexachlorobutadiene	6.029	225	190652	112.484	ppm	98
49) Hexachloropropene	6.002	213	240792	113.702	ppm	99
50) 4-Chloro-3-methylphenol	6.472	107	355598	112.405	ppm	# 53
51) N-N-di-n-butylamine	6.290	84	268229	106.736	ppm	93
52) Caprolactam	6.360	113	133074	105.819	ppm	95
53) p-Phenylenediamine	6.344	80	90086	108.470	ppm	92
54) Safrole	6.504	162	342710	114.848	ppm	96
55) 2-Methylnaphthalene	6.595	142	838193	111.404	ppm	100
56) 1-Methylnaphthalene	6.691	142	777645	110.480	ppm	100
58) Hexachlorocyclopentadiene	6.734	237	177903	120.813	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.755	216	352448	120.794	ppm	99
60) 1,2,3,4-Tetrachloroben...	7.033	216	359338	116.957	ppm	99
61) 2,4,6-Trichlorophenol	6.878	196	229769	124.330	ppm	94
62) 2,4,5-Trichlorophenol	6.931	196	236593	119.029	ppm	98
64) Isosafrole	7.011	104	144765	113.543	ppm	91
65) 1,1'-Biphenyl	7.049	154	1012306	115.268	ppm	99
66) 2-Chloronaphthalene	7.070	162	732044	115.327	ppm	97
67) 2-Nitroaniline	7.188	65	200077	110.269	ppm	98
68) 1,4-Naphthoquinone	7.257	158	232761	116.806	ppm	79
69) m-Dinitrobenzene	7.407	168	151305	121.325	ppm	86
70) Acenaphthylene	7.481	152	1169104	114.990	ppm	100
71) Dimethyl phthalate	7.348	163	822164	110.784	ppm	99
72) 2,6-Dinitrotoluene	7.423	165	192835	114.453	ppm	91
73) Acenaphthene	7.647	153	827884	117.055	ppm	99
74) 3-Nitroaniline	7.599	138	225035	116.187	ppm	97
75) 2,4-Dinitrophenol	7.711	184	89549	119.475	ppm	96
76) Dibenzofuran	7.818	168	1007846	115.398	ppm	98
77) 2,4-Dinitrotoluene	7.823	165	268846	120.821	ppm	89
78) 4-Nitrophenol	7.813	65	159403m	123.135	ppm	
79) Pentachlorobenzene	7.775	250	279097	119.358	ppm	98
80) 1-Naphthylamine	7.909	143	518022	112.629	ppm	100
81) 2-Napthylamine	7.989	143	640752	109.331	ppm	98
82) 2,3,4,6-Tetrachlorophenol	7.951	232	170449	125.491	ppm	97
83) Fluorene	8.154	166	796933	110.980	ppm	99
84) 4-Chlorophenyl-phenyle...	8.149	204	330902	114.223	ppm	98
85) Diethylphthalate	8.042	149	836225	113.777	ppm	98
86) 4-Nitroaniline	8.218	138	225995	118.295	ppm	97
87) 5-Nitro-o-toluidine	8.192	152	256093	118.081	ppm	98
89) Sulfotepp	8.421	322	106798	116.427	ppm	96
90) Octachlorocyclopentene	8.395	307	112540	120.519	ppm	96
92) Thionazin	8.122	107	134270	108.059	ppm	98
93) 4,6-Dinitro-2-methylph...	8.229	198	152607	125.000	ppm	96
94) Diphenylamine	8.283	169	1247342	222.873	ppm	98
95) 1,2 Diphenylhydrazine	8.309	77	731923	103.620	ppm	98
96) N-Nitrosodiphenylamine	8.283	169	1247342	222.873	ppm	98
97) 1,3,5-Trinirobenzene	8.608	74	120895	119.684	ppm	96
98) Diallate	8.544	86	297222	104.118	ppm	93

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

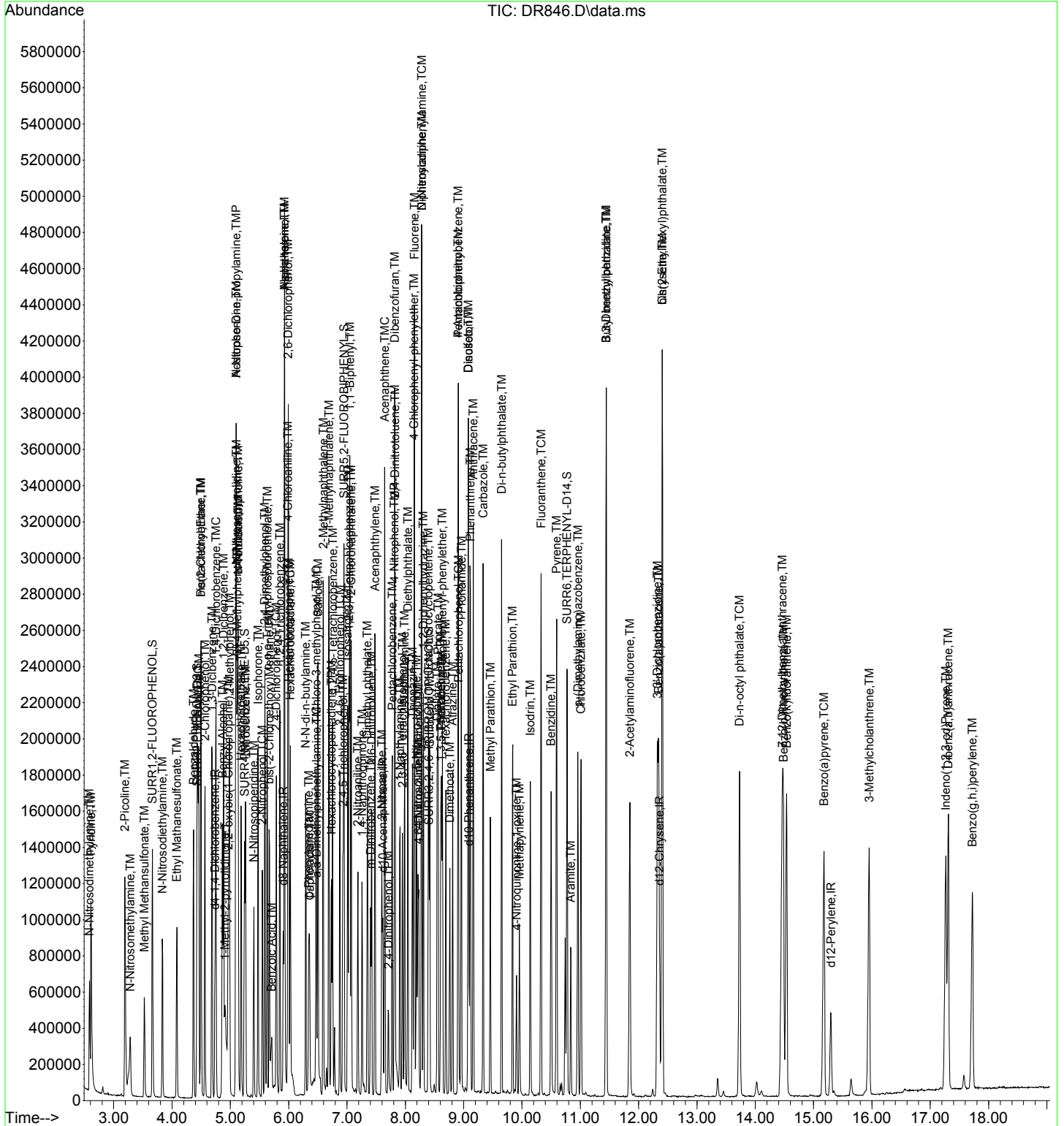
Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) Phorate	8.560	121	156240	106.654	ppm	97
100) Phenacetin	8.619	108	422963	114.607	ppm	99
101) 4-Bromophenyl-phenylether	8.635	248	185533	112.033	ppm	95
102) Hexachlorobenzene	8.694	284	207922	111.645	ppm	96
103) Dimethoate	8.763	87	239820	99.101	ppm	95
104) Atrazine	8.811	215	97158	107.289	ppm	98
105) Pentachlorophenol	8.913	266	87474	116.357	ppm	94
106) 4-Aminobiphenyl	8.907	169	647822	113.915	ppm	99
107) Pentachloronitrobenzene	8.907	237	85992	124.987	ppm	98
108) Pronamide	8.961	173	388884	120.093	ppm	98
109) Dinoseb	9.078	211	201217	125.222	ppm	97
110) Disulfoton	9.078	88	365077	99.440	ppm	97
111) Phenanthrene	9.116	178	1121387	111.958	ppm	100
112) Anthracene	9.164	178	1127947	113.338	ppm	99
113) Carbazole	9.335	167	1111057	113.654	ppm	99
114) Di-n-butylphthalate	9.650	149	1456330	115.256	ppm	99
115) 4-Nitroquinonline-1-oxide	9.906	190	75875	128.069	ppm	95
116) Fluoranthene	10.328	202	1210296	118.030	ppm	98
118) Methyl Parathion	9.458	109	248242	110.558	ppm	96
119) Ethyl Parathion	9.837	97	191236	113.995	ppm	96
120) Methapyrilene	9.954	58	264413	108.346	ppm	98
121) Isodrin	10.141	193	121906	117.724	ppm	94
122) Benzidine	10.499	184	780445	117.437	ppm	100
123) Pyrene	10.595	202	1249632	120.155	ppm	100
125) Aramite	10.836	185	164803m	115.631	ppm	
126) p-(Dimethylamino)azobe...	10.958	120	367992	119.104	ppm	93
127) Chlorobenzilate	11.012	139	428347	118.673	ppm	95
128) Butyl benzyl phthalate	11.444	149	655211	113.566	ppm	96
129) 3,3-Dimethylbenzidine	11.444	212	750861	118.697	ppm	99
130) 2-Acetylaminofluorene	11.850	181	551421	119.674	ppm	99
131) 3,3'-Dichlorobenzidine	12.320	252	434778	115.412	ppm	99
132) Benzo(a)anthracene	12.342	228	1088913	113.229	ppm	100
133) Chrysene	12.406	228	1002727	113.339	ppm	99
134) bis(2-Ethylhexyl)phtha...	12.406	149	910566	114.677	ppm	98
136) Di-n-octyl phthalate	13.730	149	1579048	119.589	ppm	100
137) 7,12-Dimethylbenz(a)an...	14.462	256	497457	118.274	ppm	96
138) Benzo(b)Fluoranthene	14.484	252	1096951	118.479	ppm	99
139) Benzo(k)fluoranthene	14.537	252	1027467	117.170	ppm	100
140) Benzo(a)pyrene	15.178	252	962240	120.849	ppm	99
141) 3-Methylcholanthrene	15.952	268	561138	120.330	ppm	98
142) Indeno(1,2,3-cd)Pyrene	17.266	276	891352	114.151	ppm	99
143) Dibenz(a,h)anthracene	17.309	278	935919	114.394	ppm	98
144) Benzo(g,h,i)perylene	17.720	276	757379	112.539	ppm	99

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

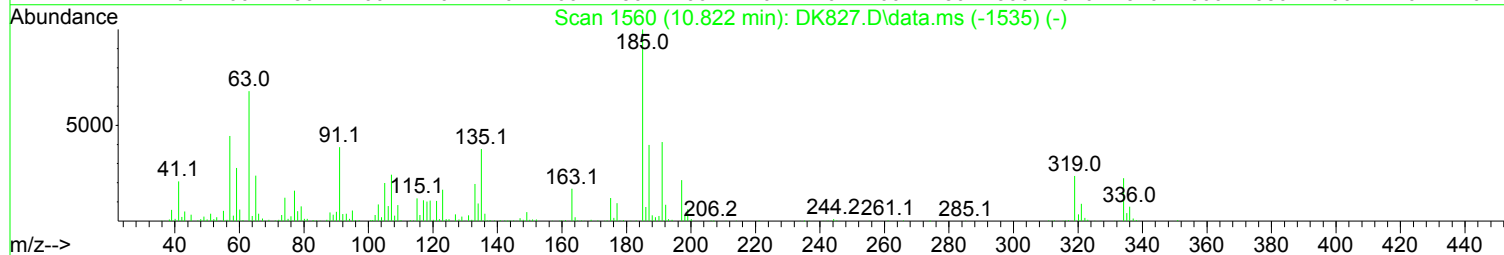
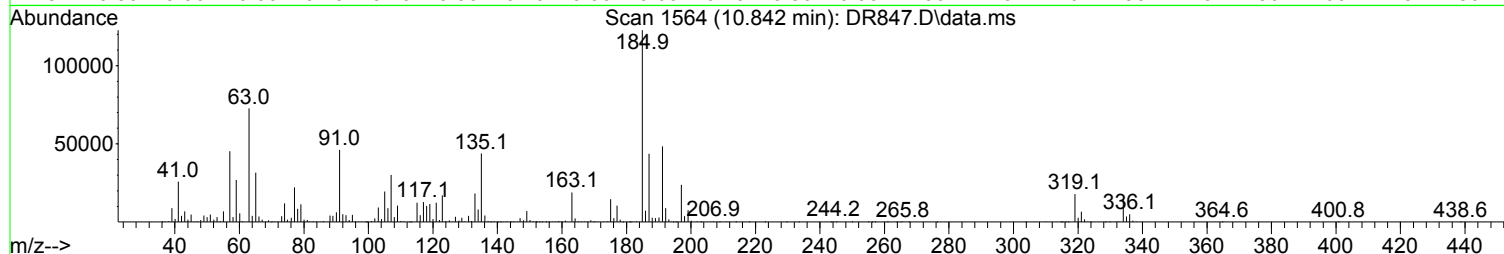
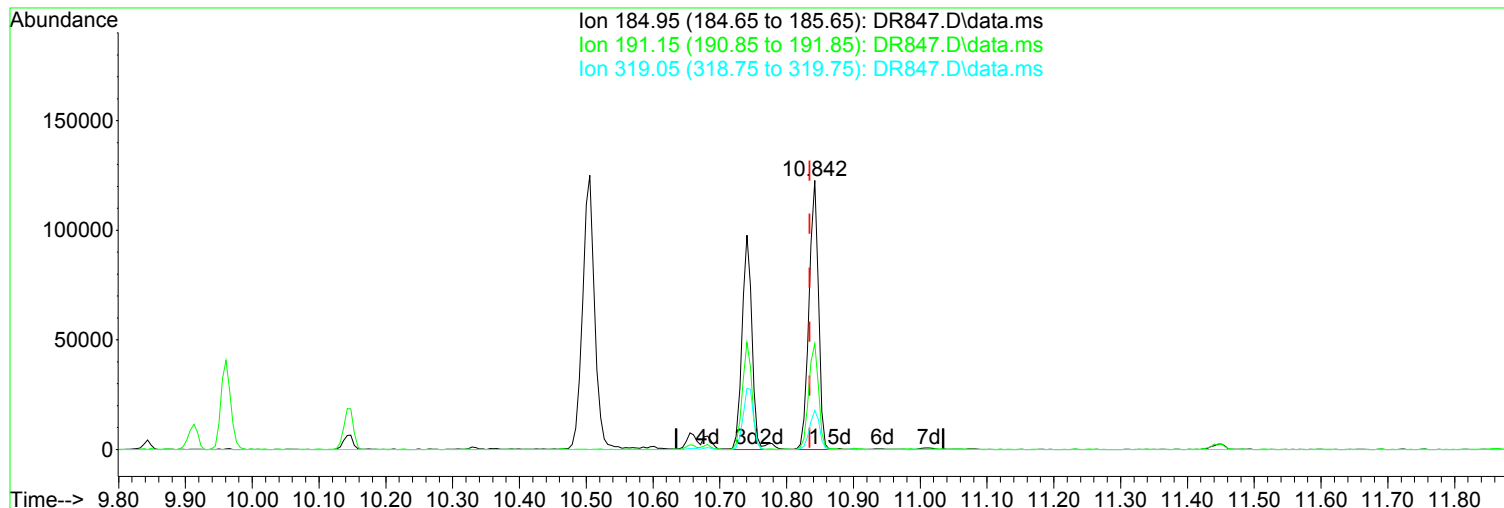
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR846.D
Acq On : 30 Apr 2019 1:33 pm
Operator : JMisiurewicz
Sample : 120 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 01 08:54:07 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.842min (+ 0.007) 149.37 ppm m

After

response 222547

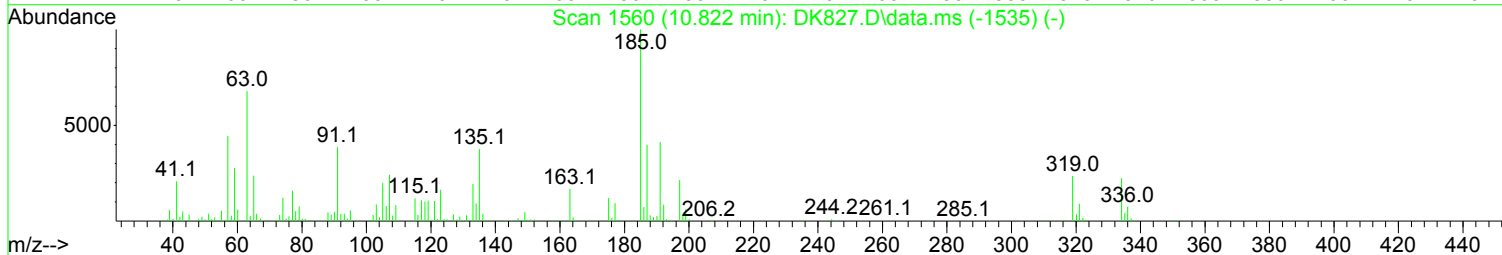
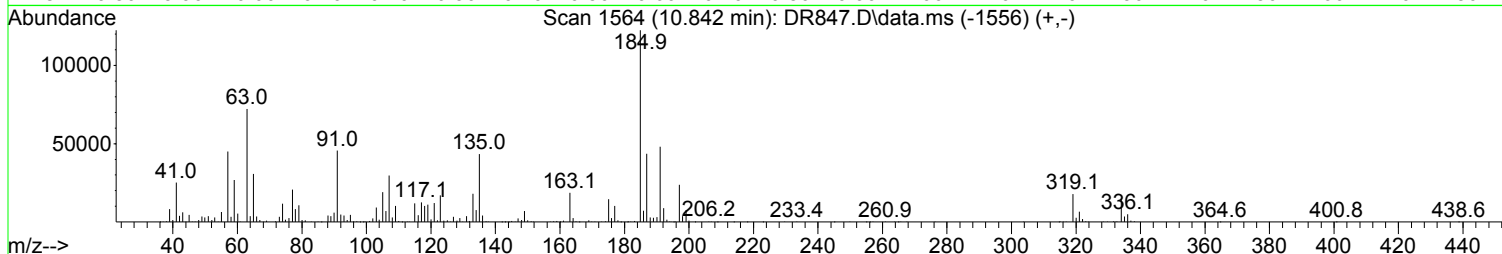
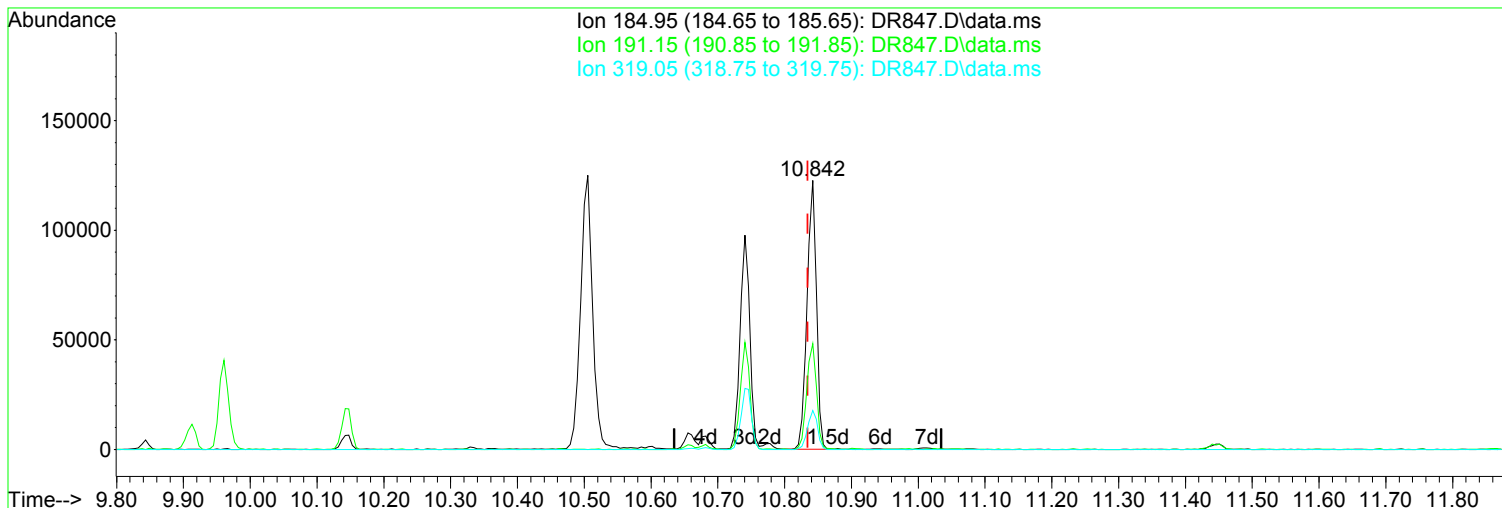
Split Peak.

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.42
319.05	16.80	14.54
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



TIC: DR847.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.842min (+ 0.007) 79.72 ppm

Before

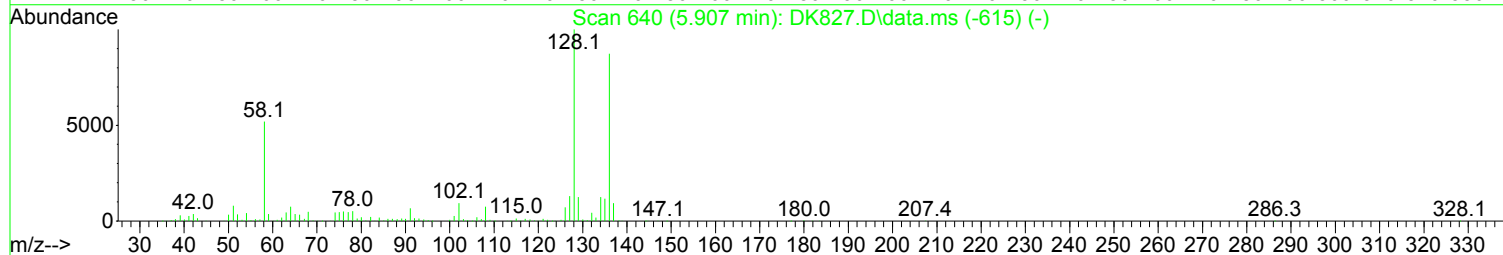
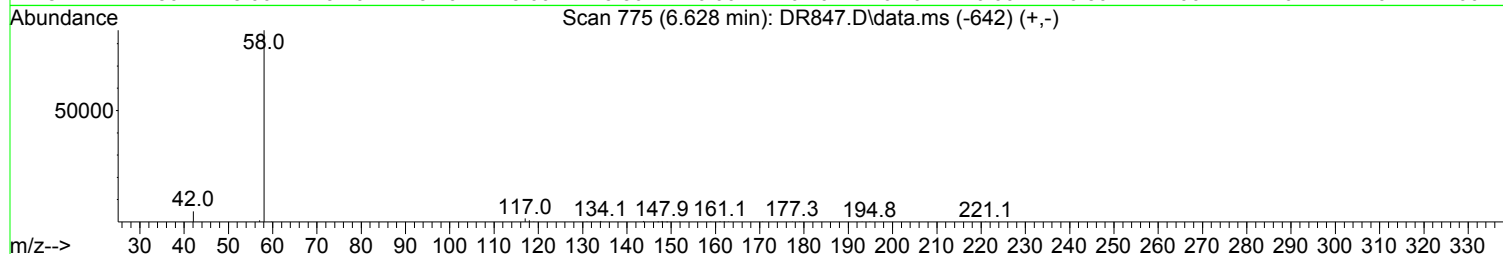
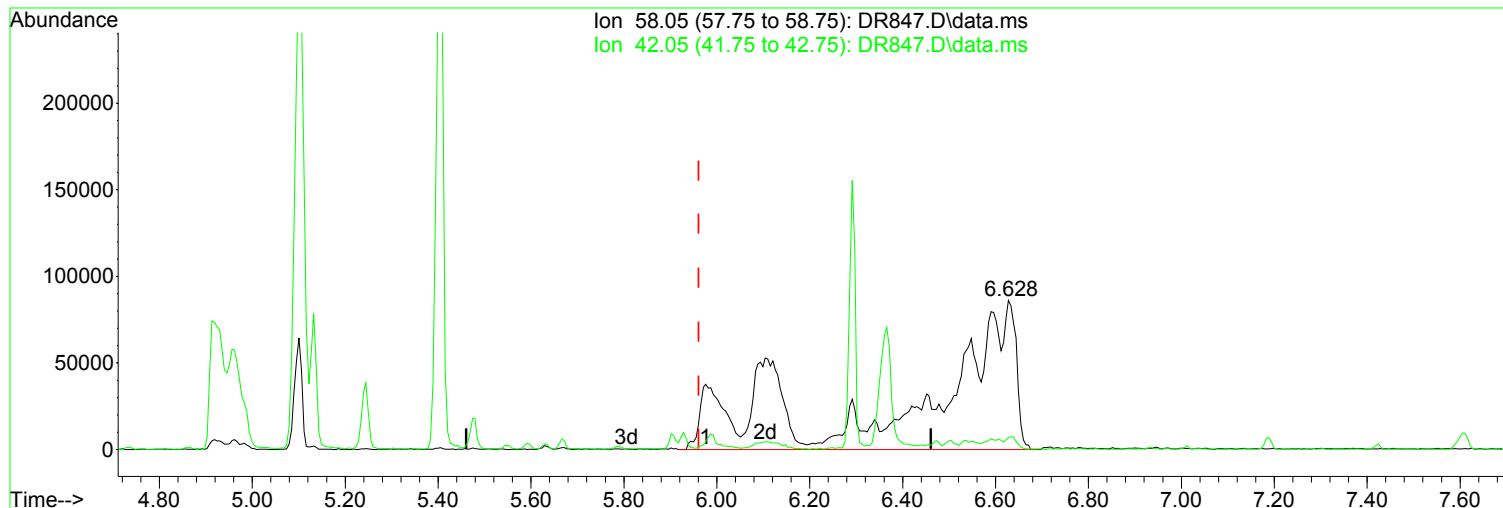
response 118774

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.00	39.23
319.05	16.80	14.55
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

6.628min (+ 0.667) 158.32 ppm m

After

response 1186973

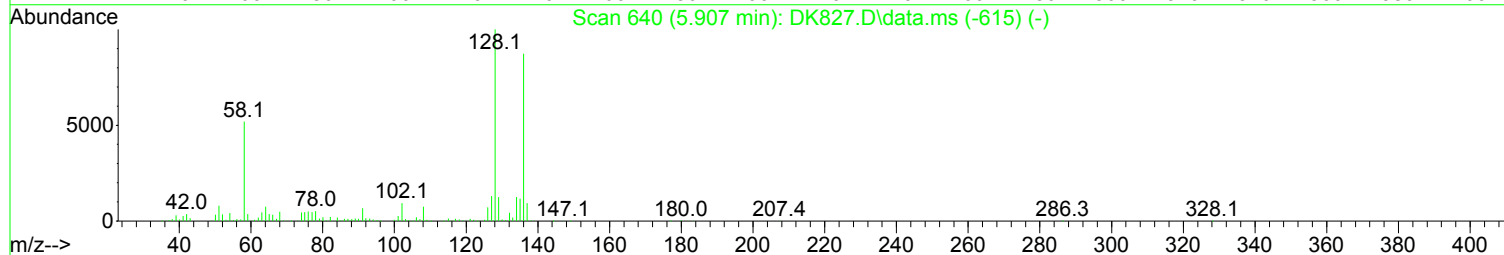
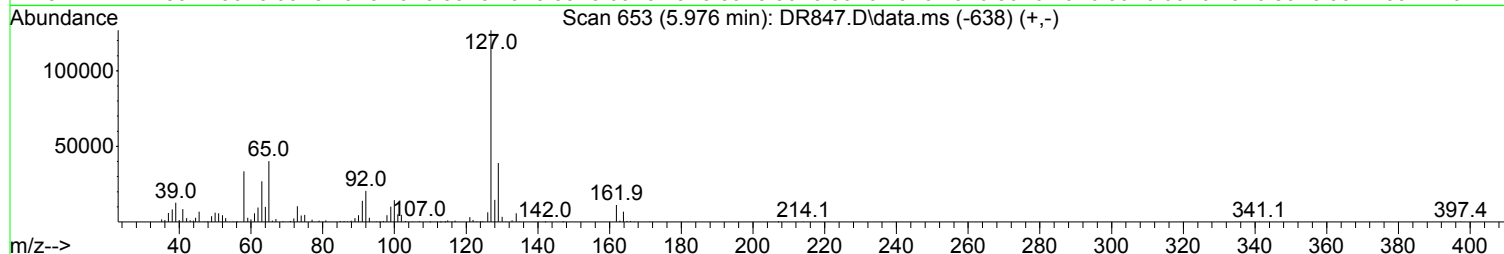
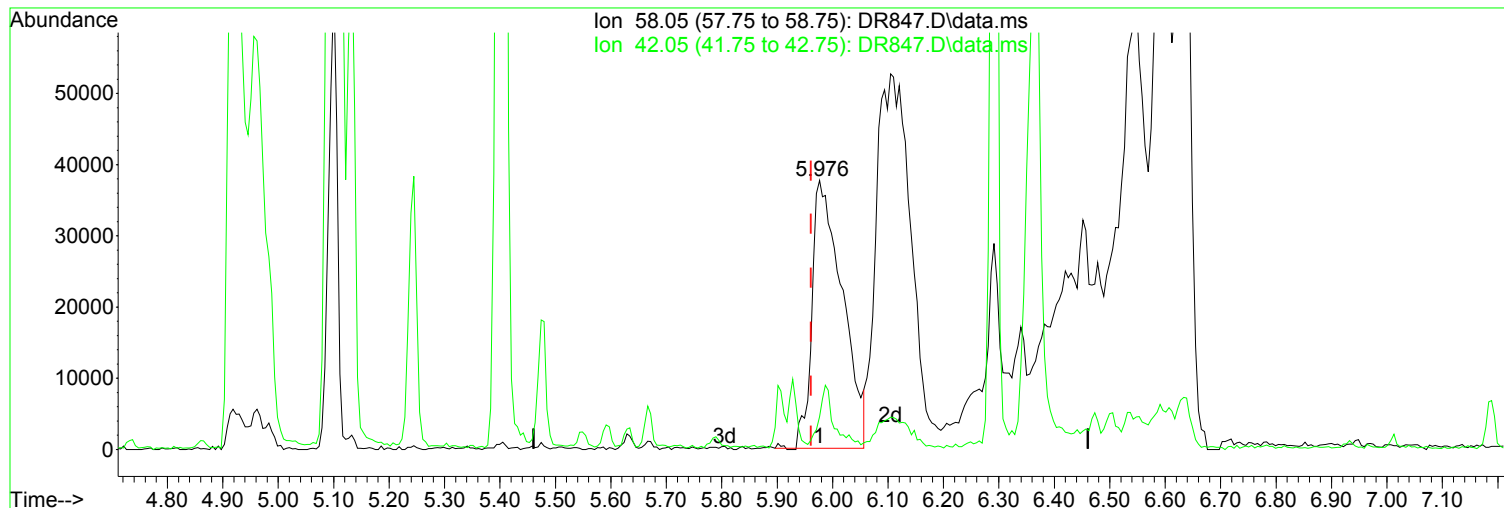
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	8.03
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.976min (+ 0.015) 19.11 ppm

Before

response 143240

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	30.40	7.83
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) d4-1,4-Dichlorobenzene	4.732	152	107426	40.00	ppm	0.00
33) d8-Naphthalene	5.907	136	395308	40.00	ppm	0.00
57) d10-Acenaphthene	7.616	164	197878	40.00	ppm	0.00
91) d10-Phenanthrene	9.090	188	322947	40.00	ppm	0.00
117) d12-Chrysene	12.364	240	296067	40.00	ppm	0.00
135) d12-Perylene	15.302	264	332009	40.00	ppm	0.00

System Monitoring Compounds						
7) SURR1,2-FLUOROPHENOL	3.664	112	608061	155.62	ppm	0.00
Spiked Amount	100.000	Range	10 - 70	Recovery	=	155.62%#
12) SURR2,PHENOL-D6	4.427	99	758626	158.03	ppm	0.00
Spiked Amount	100.000	Range	10 - 107	Recovery	=	158.03%#
34) SURR4,NITROBENZENE-D5	5.245	82	617070	153.83	ppm	0.00
Spiked Amount	50.000	Range	31 - 110	Recovery	=	307.66%#
63) SURR5,2-FLUOROBIPHENYL	6.948	172	1176254	156.32	ppm	0.00
Spiked Amount	50.000	Range	31 - 118	Recovery	=	312.64%#
88) SURR3,2,4,6-TRIBROMOPH...	8.406	330	127745	157.65	ppm	0.00
Spiked Amount	100.000	Range	35 - 141	Recovery	=	157.65%#
124) SURR6,TERPHENYL-D14	10.773	244	1061681	152.22	ppm	0.00
Spiked Amount	50.000	Range	10 - 165	Recovery	=	304.44%#

Target Compounds						Qvalue
2) Pyridine	2.606	79	670462	162.603	ppm	99
3) N-Nitrosodimethylamine	2.585	74	406560	162.112	ppm	96
4) 2-Picoline	3.188	93	667773	156.511	ppm	99
5) N-Nitrosomethylamine	3.279	42	269211	155.209	ppm	90
6) Methyl Methansulfonate	3.525	80	310863	159.940	ppm	97
8) N-Nitrosodiethylamine	3.834	102	303931	159.520	ppm	99
9) Ethyl Mathanesulfonate	4.086	79	493138	150.146	ppm	95
11) Aniline	4.454	93	961565	156.950	ppm	92
13) Phenol	4.438	94	833137	158.690	ppm	98
14) bis(2-Clethyl)Ether	4.497	93	556441	153.179	ppm	98
15) Pentachloroethane	4.491	117	230404	157.529	ppm	95
16) 2-Chlorophenol	4.561	128	656827	159.269	ppm	98
17) 1,3-Diclbzene	4.684	146	676703	157.672	ppm	97
18) 1,4-Dichlorobenzene	4.748	146	692298	157.623	ppm	98
19) 1,2-Diclbzene	4.881	146	655103	156.105	ppm	99
20) Benzyl Alcohol	4.865	79	463211	165.844	ppm	98
21) 1-Methyl-2-pyrrolidinone	4.919	99	409667	160.484	ppm	96
22) 2,2'-oxybis(1-Chloropr...	4.961	45	514904	147.514	ppm	90
23) 2-Methylphenol	4.994	108	577204	155.985	ppm	96
24) 3+4-Methylphenol	5.122	108	657927	157.143	ppm	# 72
25) Acetophenone	5.095	105	794001	152.683	ppm	98
26) N-Nitroso-Di-n-propyla...	5.100	70	422815	150.753	ppm	92
27) N-Nitrosopyrrolidine	5.111	100	317363	155.611	ppm	64
28) N-Nitrosomorpholine	5.132	56	295820	147.357	ppm	99
29) o-Toluidine	5.132	106	867984	150.303	ppm	65
30) Hexachloroethane	5.186	117	260918	154.339	ppm	96
31) o,o,o-Triethylphosphor...	5.634	198	280747	159.453	ppm	92
32) Alpha-terpinol	5.928	121	210815	153.662	ppm	97
35) Nitrobenzene	5.261	77	619095	153.675	ppm	96
36) N-Nitrosopiperidine	5.405	42	338639	154.630	ppm	95
37) Isophorone	5.480	82	1062263	158.172	ppm	98
38) 2-Nitrophenol	5.549	139	343400	164.732	ppm	97
39) 2,4-Dimethylphenol	5.592	107	611374	162.856	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR847.D
 Acq On : 30 Apr 2019 2:03 pm
 Operator : JMisiurewicz
 Sample : 160 ppm STD
 Misc : Initial Calibration 8270/625
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 08:32:06 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.666	93	622768	157.716	ppm	98
41) Benzoic Acid	5.715	105	280167	157.176	ppm	94
42) 2,4-Dichlorophenol	5.789	162	495497	166.641	ppm	99
43) a,a-Dimethylphenethyla...	6.628	58	1186973m	158.320	ppm	
44) 1,2,4-Trichlorobenzene	5.848	180	506173	161.451	ppm	98
45) Naphthalene	5.928	128	1680600	154.248	ppm	99
46) 4-Chloroaniline	5.987	127	734901	161.196	ppm	99
47) 2,6-Dichlorophenol	5.992	162	504703	162.316	ppm	98
48) Hexachlorobutadiene	6.030	225	257216	161.922	ppm	100
49) Hexachloropropene	6.003	213	317266	159.848	ppm	100
50) 4-Chloro-3-methylphenol	6.473	107	478302	161.319	ppm	# 66
51) N-N-di-n-butylamine	6.291	84	359096	152.466	ppm	95
52) Caprolactam	6.366	113	183951	156.074	ppm	96
53) p-Phenylenediamine	6.345	80	117252	150.637	ppm	88
54) Safrole	6.505	162	466582	166.833	ppm	95
55) 2-Methylnaphthalene	6.590	142	1123252	159.291	ppm	98
56) 1-Methylnaphthalene	6.687	142	1043009	158.106	ppm	98
58) Hexachlorocyclopentadiene	6.729	237	242302	158.248	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.751	216	471103	161.760	ppm	98
60) 1,2,3,4-Tetrachloroben...	7.034	216	487614	159.004	ppm	99
61) 2,4,6-Trichlorophenol	6.879	196	309346	167.701	ppm	96
62) 2,4,5-Trichlorophenol	6.932	196	319928	161.253	ppm	97
64) Isosafrole	7.012	104	195351	153.504	ppm	98
65) 1,1'-Biphenyl	7.050	154	1375291	156.891	ppm	99
66) 2-Chloronaphthalene	7.071	162	987748	155.900	ppm	97
67) 2-Nitroaniline	7.189	65	268685	148.357	ppm	98
68) 1,4-Naphthoquinone	7.258	158	311492	156.606	ppm	83
69) m-Dinitrobenzene	7.408	168	207668	166.830	ppm	93
70) Acenaphthylene	7.477	152	1594319	157.104	ppm	98
71) Dimethyl phthalate	7.354	163	1137321	153.536	ppm	99
72) 2,6-Dinitrotoluene	7.424	165	269608	160.318	ppm	99
73) Acenaphthene	7.648	153	1109361	157.145	ppm	98
74) 3-Nitroaniline	7.600	138	312111	161.444	ppm	99
75) 2,4-Dinitrophenol	7.712	184	133514	155.829	ppm	98
76) Dibenzofuran	7.819	168	1321531	151.596	ppm	99
77) 2,4-Dinitrotoluene	7.830	165	369292	166.271	ppm	81
78) 4-Nitrophenol	7.814	65	221767	171.628	ppm	# 49
79) Pentachlorobenzene	7.776	250	364090	155.995	ppm	99
80) 1-Naphthylamine	7.910	143	722862	157.458	ppm	100
81) 2-Naphthylamine	7.990	143	917898	156.912	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.952	232	240530	177.417	ppm	98
83) Fluorene	8.161	166	1087998	151.795	ppm	98
84) 4-Chlorophenyl-phenyle...	8.150	204	437923	151.446	ppm	97
85) Diethylphthalate	8.043	149	1140642	155.485	ppm	99
86) 4-Nitroaniline	8.225	138	317070	166.276	ppm	95
87) 5-Nitro-o-toluidine	8.198	152	355533	164.237	ppm	94
89) Sulfotepp	8.422	322	140492	153.444	ppm	97
90) Octachlorocyclopentene	8.396	307	145361	155.957	ppm	97
92) Thionazin	8.123	107	184713	145.788	ppm	99
93) 4,6-Dinitro-2-methylph...	8.236	198	215491	173.103	ppm	99
94) Diphenylamine	8.284	169	1684588	295.193	ppm	98
95) 1,2 Diphenylhydrazine	8.310	77	1002115	139.135	ppm	98
96) N-Nitrosodiphenylamine	8.284	169	1684588	295.193	ppm	98
97) 1,3,5-Trinirobenzene	8.620	74	193891	188.245	ppm	93
98) Diallate	8.551	86	406088	139.510	ppm	96
99) Phorate	8.561	121	218376	146.194	ppm	98

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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ALS Vial : 13 Sample Multiplier: 1

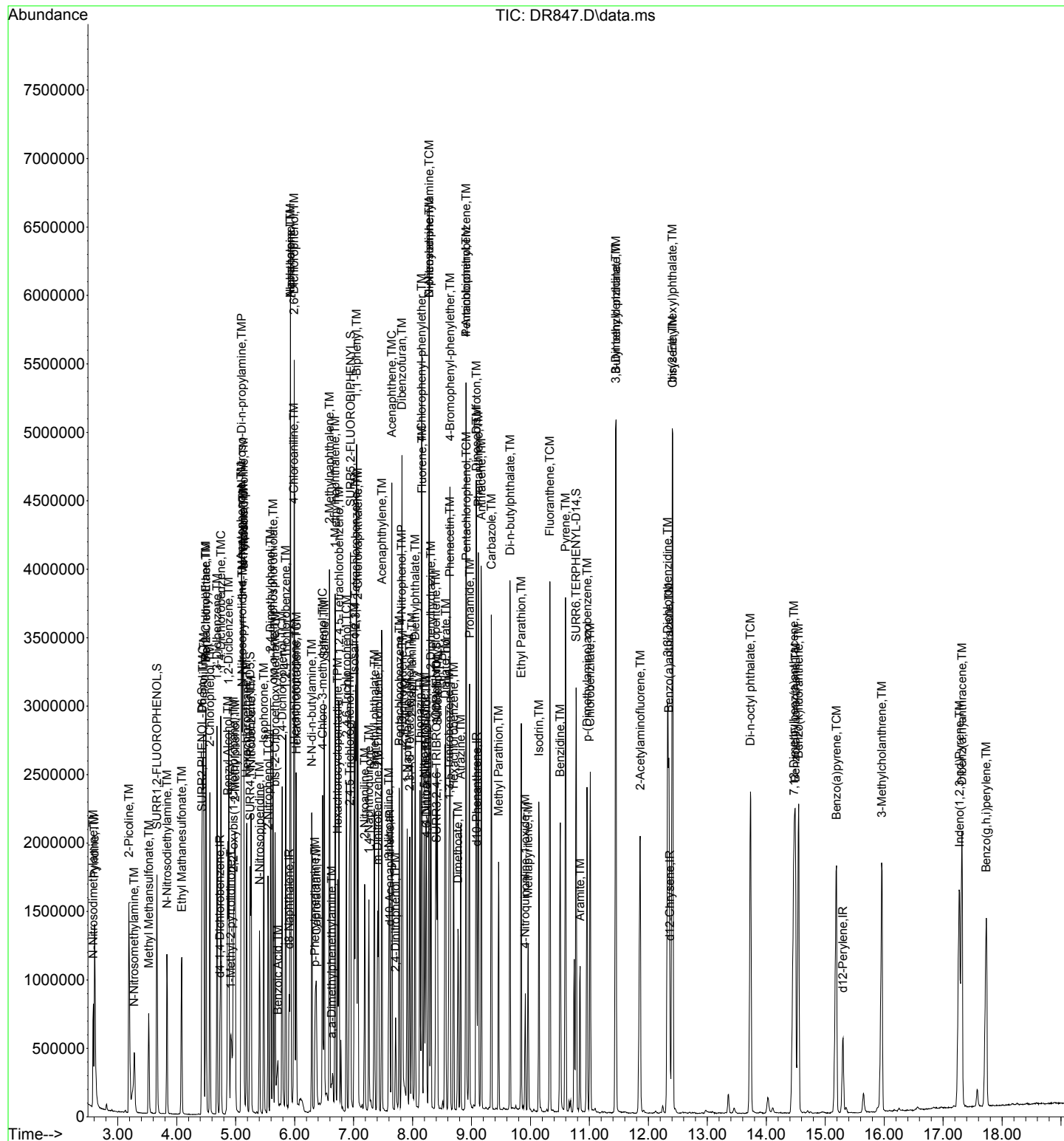
Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) Phenacetin	8.631	108	571616	151.898	ppm	99
101) 4-Bromophenyl-phenylether	8.636	248	245345	145.292	ppm	93
102) Hexachlorobenzene	8.700	284	281616	148.299	ppm	95
103) Dimethoate	8.770	87	308405	124.984	ppm	96
104) Atrazine	8.818	215	126712	137.226	ppm	97
105) Pentachlorophenol	8.914	266	134956	160.028	ppm	97
106) 4-Aminobiphenyl	8.909	169	885545	152.713	ppm	99
107) Pentachloronitrobenzene	8.909	237	113391	161.631	ppm	99
108) Pronamide	8.967	173	529947	160.498	ppm	100
109) Dinoseb	9.085	211	277016	169.068	ppm	98
110) Disulfoton	9.079	88	502747	134.298	ppm	97
111) Phenanthrene	9.117	178	1530427	149.849	ppm	98
112) Anthracene	9.165	178	1544001	152.151	ppm	99
113) Carbazole	9.336	167	1530842	153.575	ppm	99
114) Di-n-butylphthalate	9.656	149	1974061	153.216	ppm	100
115) 4-Nitroquinoline-1-oxide	9.913	190	108077	178.904	ppm	95
116) Fluoranthene	10.329	202	1667235	159.454	ppm	99
118) Methyl Parathion	9.459	109	317097	135.095	ppm	96
119) Ethyl Parathion	9.843	97	263186	150.076	ppm	96
120) Methapyrilene	9.961	58	356345	139.680	ppm	94
121) Isodrin	10.142	193	165110	152.527	ppm	94
122) Benzidine	10.505	184	1080592	155.546	ppm	99
123) Pyrene	10.596	202	1701991	156.549	ppm	99
125) Aramite	10.842	185	222547m	149.371	ppm	
126) p-(Dimethylamino)azobe...	10.959	120	499434	154.632	ppm	95
127) Chlorobenzilate	11.013	139	582455	154.366	ppm	96
128) Butyl benzyl phthalate	11.451	149	898063	148.905	ppm	99
129) 3,3-Dimethylbenzidine	11.445	212	1034276	156.405	ppm	97
130) 2-Acetylaminofluorene	11.862	181	773267	160.539	ppm	98
131) 3,3'-Dichlorobenzidine	12.327	252	604354	153.465	ppm	99
132) Benzo(a)anthracene	12.348	228	1497140	148.922	ppm	100
133) Chrysene	12.412	228	1363209	147.398	ppm	100
134) bis(2-Ethylhexyl)phtha...	12.407	149	1243376	149.796	ppm	99
136) Di-n-octyl phthalate	13.731	149	2216045	140.643	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.469	256	691326	137.739	ppm	97
138) Benzo(b)Fluoranthene	14.495	252	1533044	138.755	ppm	100
139) Benzo(k)fluoranthene	14.549	252	1400676	133.852	ppm	99
140) Benzo(a)pyrene	15.190	252	1329155	139.887	ppm	99
141) 3-Methylcholanthrene	15.959	268	753242	135.356	ppm	99
142) Indeno(1,2,3-cd)Pyrene	17.278	276	1253236	134.494	ppm	98
143) Dibenz(a,h)anthracene	17.321	278	1275460	130.639	ppm	99
144) Benzo(g,h,i)perylene	17.732	276	1027139	127.897	ppm	100

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

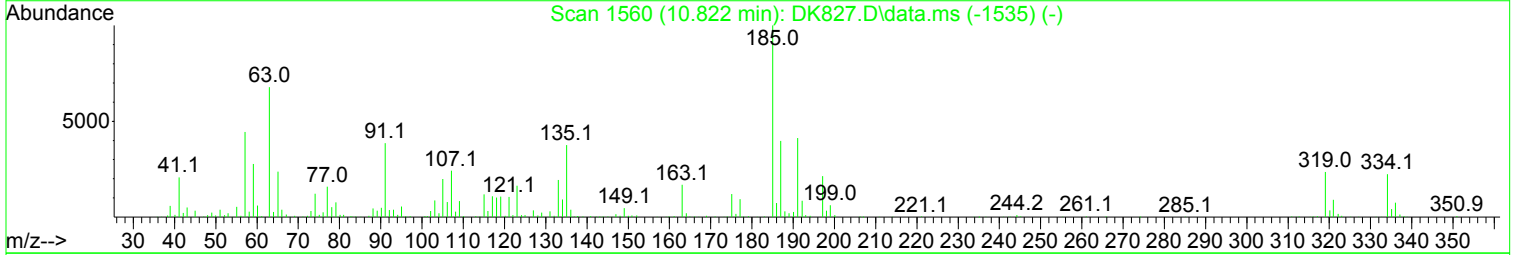
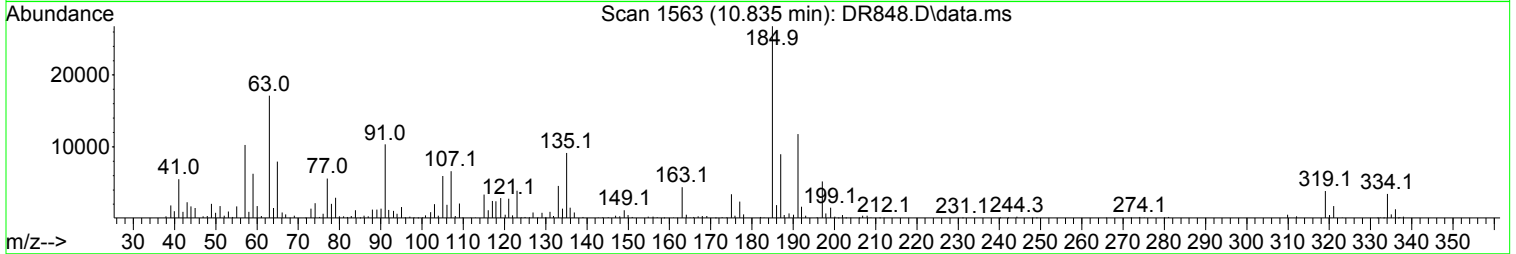
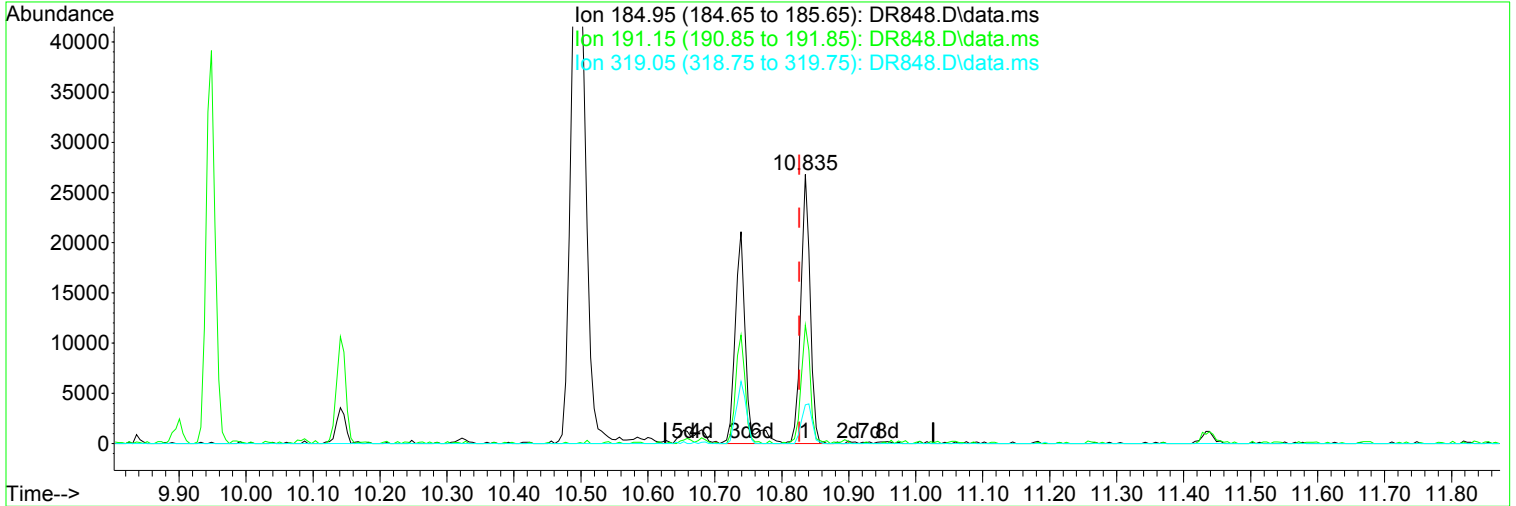
Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR847.D
Acq On : 30 Apr 2019 2:03 pm
Operator : JMisiurewicz
Sample : 160 ppm STD
Misc : Initial Calibration 8270/625
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 01 08:54:12 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 08:32:06 2019
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Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

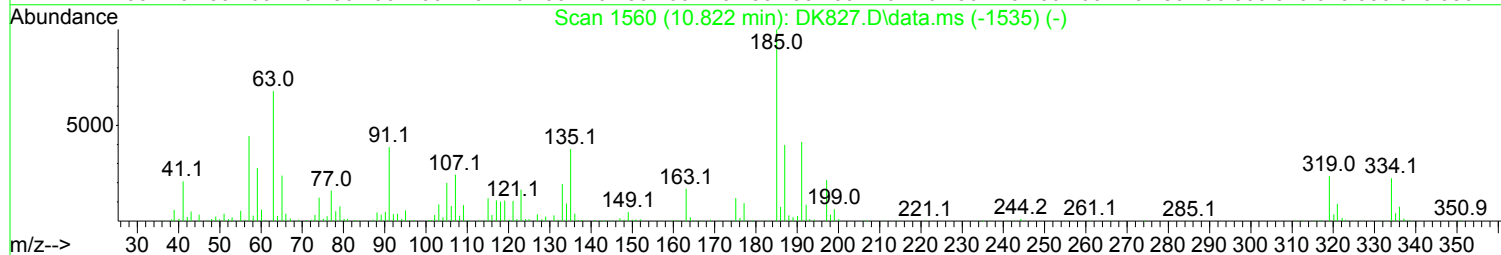
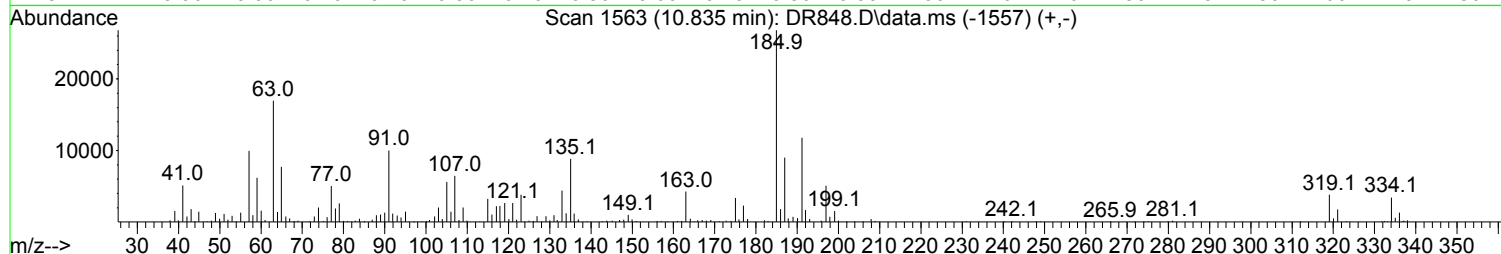
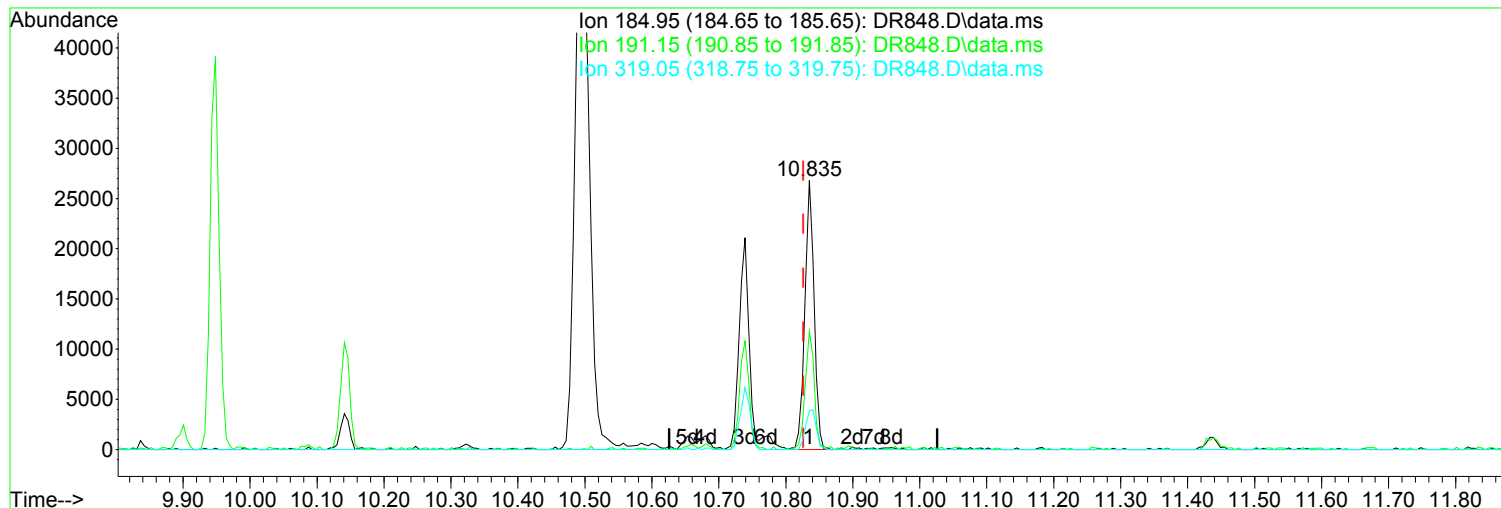
Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(125) Aramite (TM)			Manual Integration:
10.835min (+ 0.009) 34.50 ppm m			After
response	49320		Split Peak.
Ion	Exp%	Act%	05/01/19
184.95	100.00	100.00	
191.15	41.10	43.96	
319.05	14.30	14.34	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
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Response via : Initial Calibration



TIC: DR848.D\data.ms

(125) Aramite (TM)

Manual Integration:

10.835min (+ 0.009) 18.13 ppm

Before

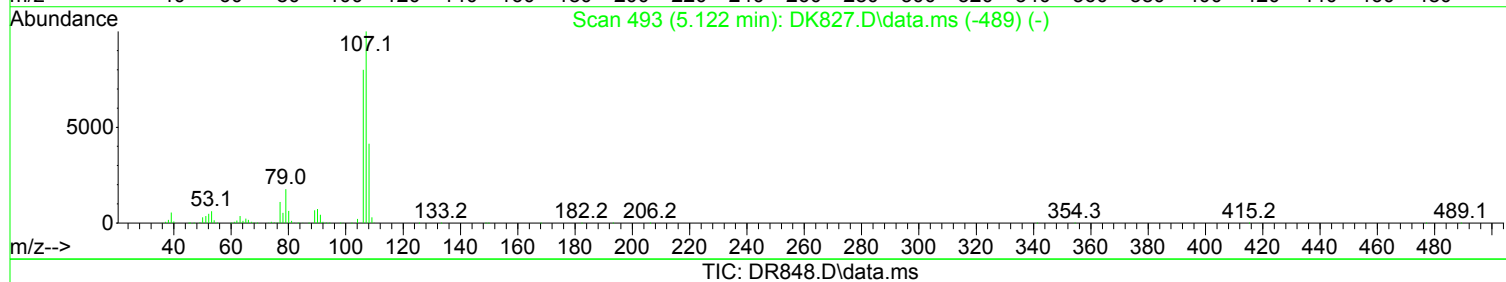
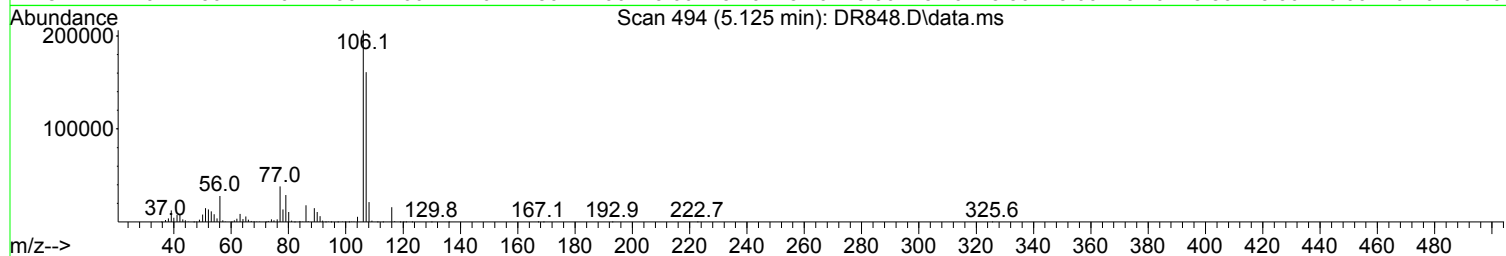
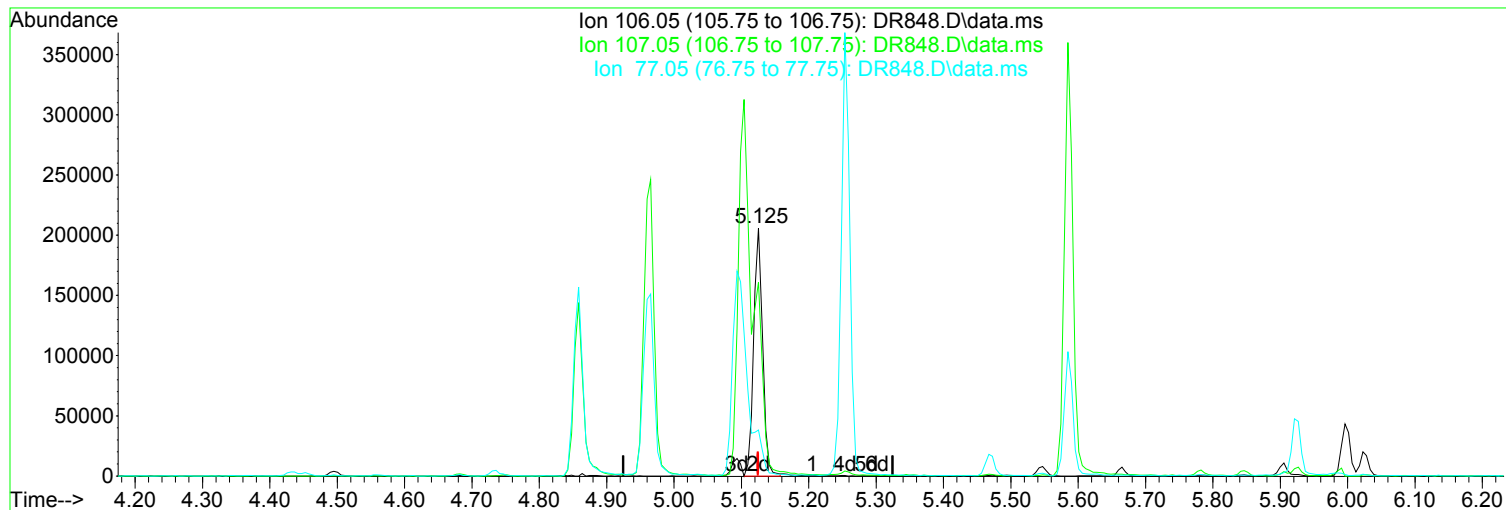
response 25917

Ion	Exp%	Act%
184.95	100.00	100.00
191.15	41.10	43.76
319.05	14.30	14.34
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

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(29) o-Toluidine (TM)

Manual Integration:

5.125min (+ 0.000) 32.64 ppm m

After

response 192806

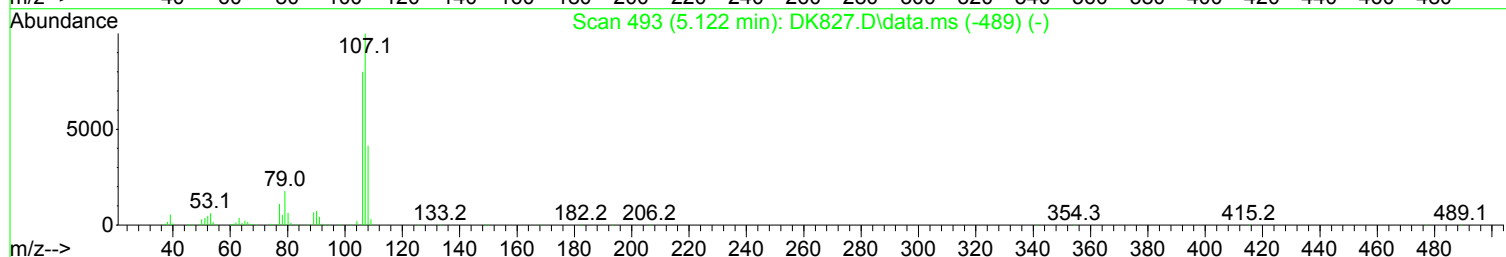
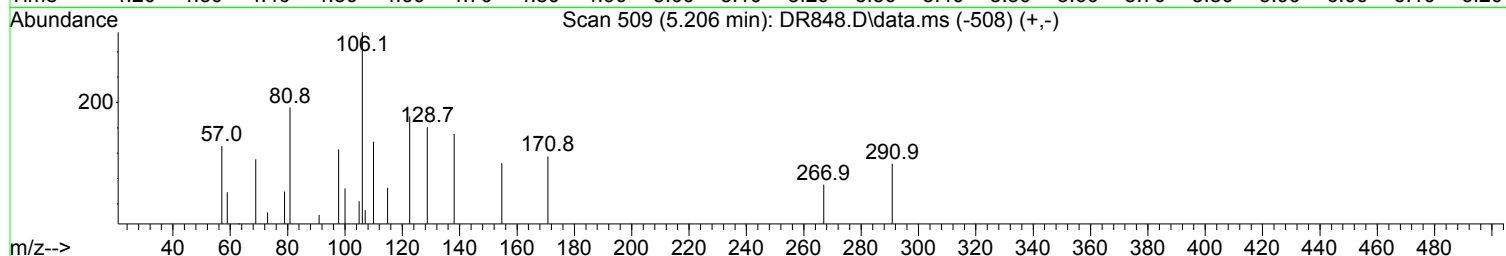
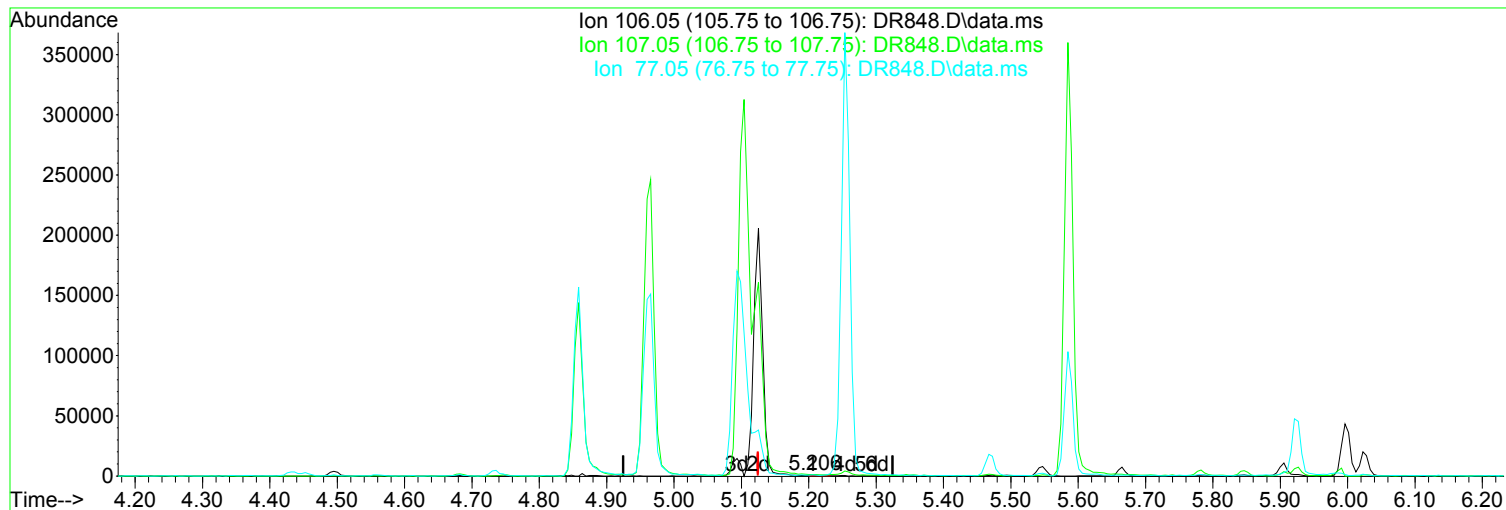
Peak not found.

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	78.19
77.05	1.60	18.52
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration



TIC: DR848.D\data.ms

(29) o-Toluidine (TM)

Manual Integration:

5.206min (+ 0.080) 0.07 ppm

Before

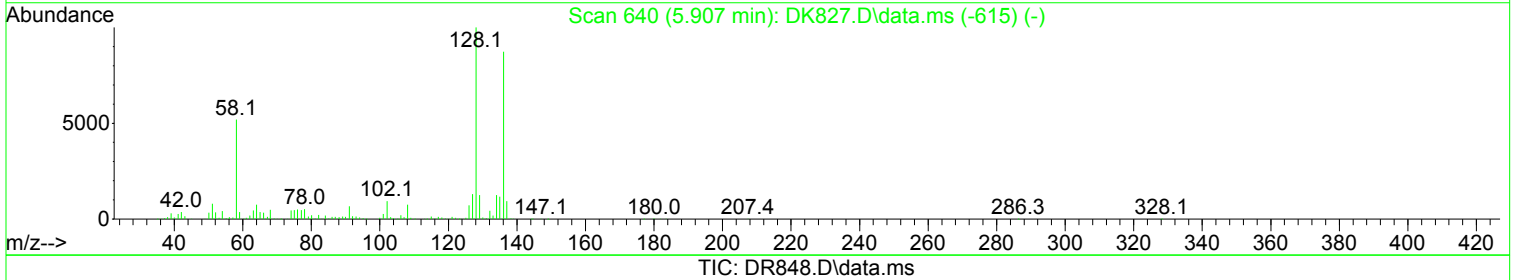
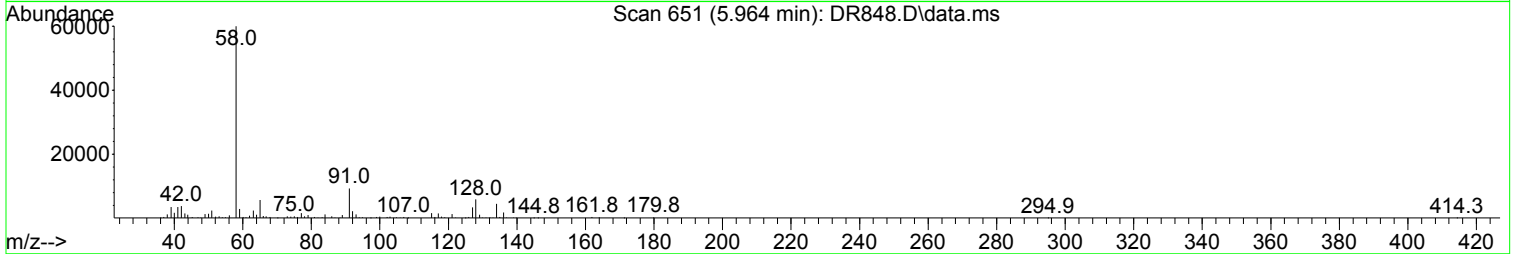
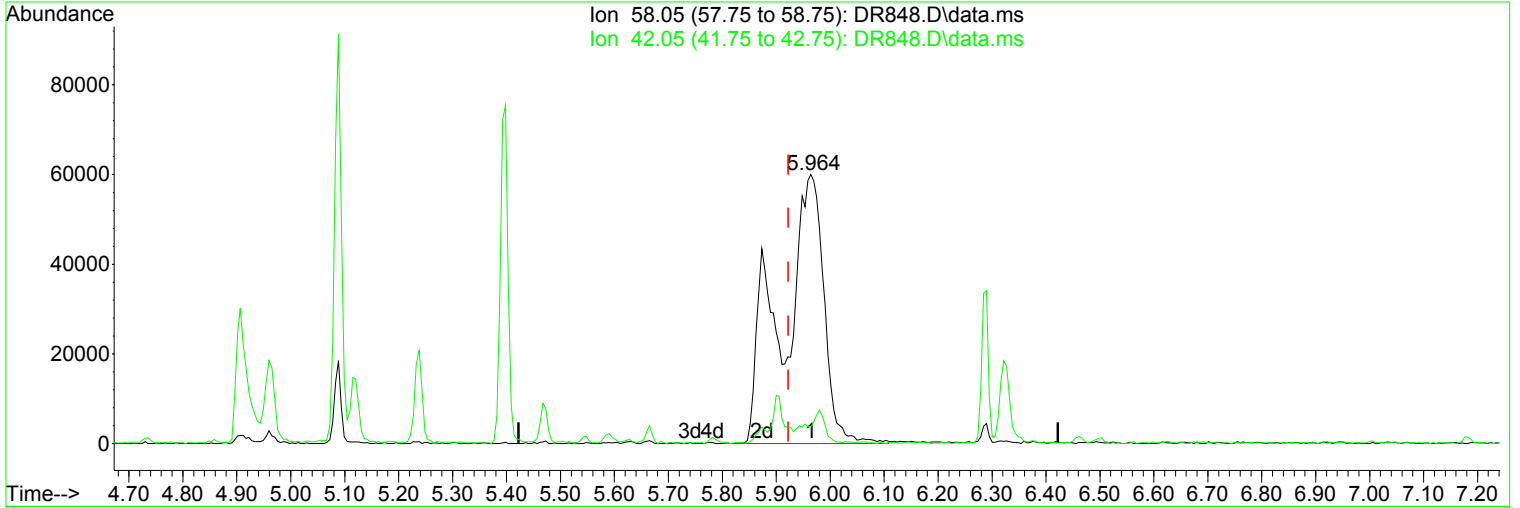
response 402

Ion	Exp%	Act%
106.05	100.00	100.00
107.05	41.90	9.65
77.05	1.60	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM)

Manual Integration:

5.964min (+ 0.042) 41.62 ppm m

After

response 321567

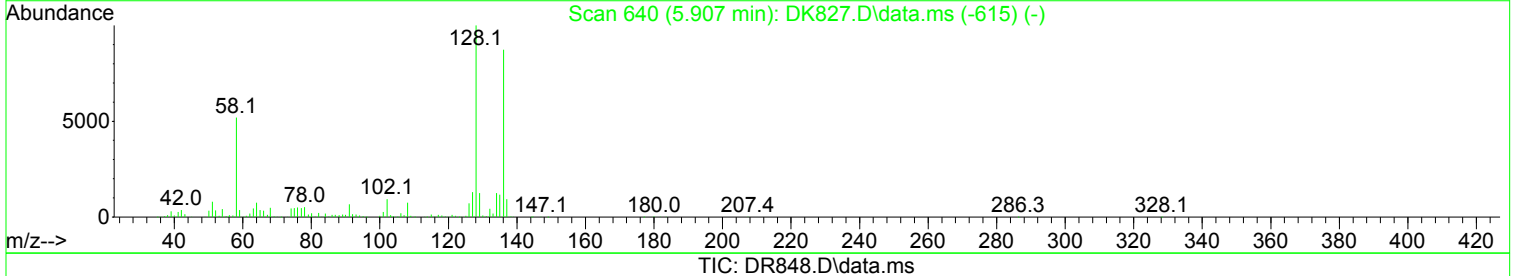
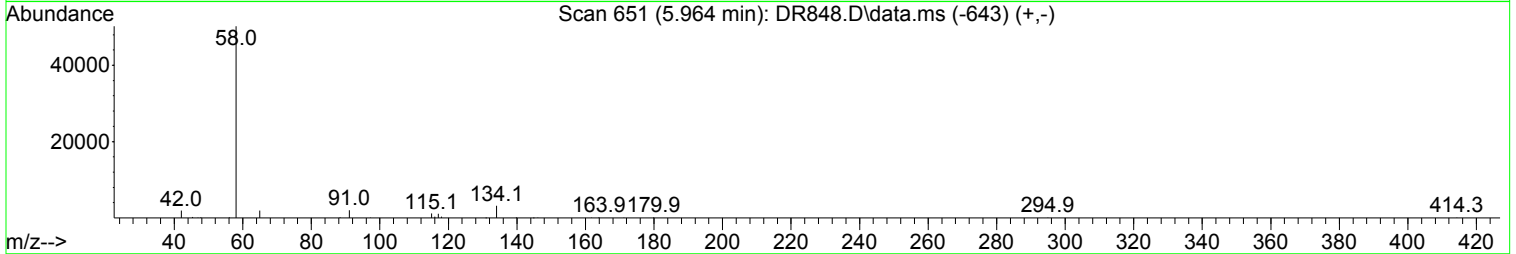
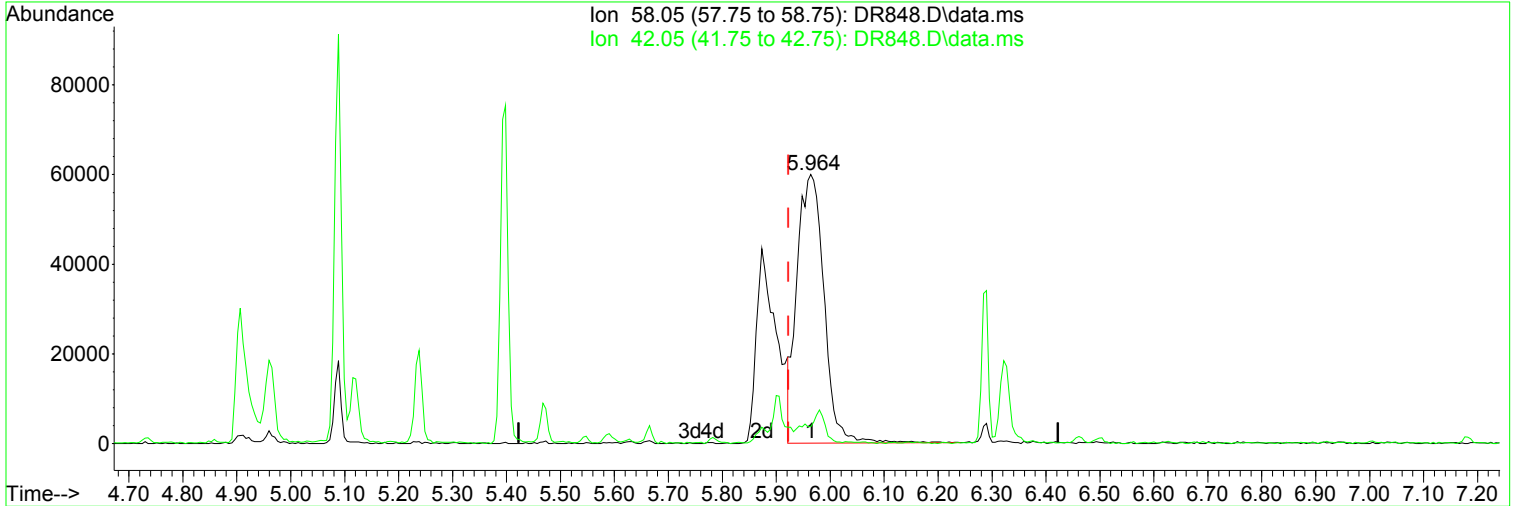
Poor integration.

Ion	Exp%	Act%
58.05	100.00	100.00
42.05	7.40	6.36
0.00	0.00	0.00
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
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Quant Title : 8270 BNA ANALYSIS
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Response via : Initial Calibration



(43) a,a-Dimethylphenethylamine (TM) Manual Integration:

5.964min (+ 0.042) 27.05 ppm Before

response	209045		
Ion	Exp%	Act%	05/01/19
58.05	100.00	100.00	
42.05	7.40	3.82	
0.00	0.00	0.00	
0.00	0.00	0.00	

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) d4-1,4-Dichlorobenzene	4.736	152	109887	40.00	ppm	0.00	
33) d8-Naphthalene	5.905	136	407486	40.00	ppm	0.00	
57) d10-Acenaphthene	7.614	164	204693	40.00	ppm	0.00	
91) d10-Phenanthrene	9.089	188	313390	40.00	ppm	0.00	
117) d12-Chrysene	12.357	240	284009	40.00	ppm	0.00	
135) d12-Perylene	15.290	264	279566	40.00	ppm	0.00	
System Monitoring Compounds							
7) SURR1,2-FLUOROPHENOL	3.662	112	307572	76.95	ppm	0.00	
Spiked Amount	100.000	Range	10 - 70	Recovery	=	76.95%#	
12) SURR2,PHENOL-D6	4.420	99	390866	79.60	ppm	0.00	
Spiked Amount	100.000	Range	10 - 107	Recovery	=	79.60%	
34) SURR4,NITROBENZENE-D5	5.238	82	314328	76.02	ppm	0.00	
Spiked Amount	50.000	Range	31 - 110	Recovery	=	152.04%#	
63) SURR5,2-FLUOROBIPHENYL	6.947	172	596169	76.59	ppm	0.00	
Spiked Amount	50.000	Range	31 - 118	Recovery	=	153.18%#	
88) SURR3,2,4,6-TRIBROMOPH...	8.400	330	64750	77.25	ppm	0.00	
Spiked Amount	100.000	Range	35 - 141	Recovery	=	77.25%	
124) SURR6,TERPHENYL-D14	10.771	244	532000	79.52	ppm	0.00	
Spiked Amount	50.000	Range	10 - 165	Recovery	=	159.04%	
Target Compounds							
							Qvalue
2) Pyridine	2.615	79	144794	33.731	ppm		95
3) N-Nitrosodimethylamine	2.583	74	71084	27.709	ppm		97
4) 2-Picoline	3.192	93	144479	33.104	ppm		98
5) N-Nitrosomethylamine	3.283	42	57467	32.551	ppm		99
6) Methyl Methansulfonate	3.523	80	174238	87.638	ppm		98
8) N-Nitrosodiethylamine	3.833	102	156154	80.123	ppm		84
9) Ethyl Mathanesulfonate	4.073	79	97190	28.929	ppm		96
11) Aniline	4.452	93	198201	31.626	ppm		95
13) Phenol	4.436	94	413777	77.048	ppm		94
14) bis(2-Clethyl)Ether	4.495	93	300416	80.848	ppm		98
15) Pentachloroethane	4.490	117	117230	78.356	ppm		95
16) 2-Chlorophenol	4.559	128	348816	82.688	ppm		97
17) 1,3-Diclbzene	4.682	146	359385	81.860	ppm		98
18) 1,4-Dichlorobenzene	4.752	146	360849	80.318	ppm		96
19) 1,2-Diclbzene	4.885	146	337641	78.655	ppm		99
20) Benzyl Alcohol	4.858	79	239826	83.942	ppm		94
21) 1-Methyl-2-pyrrolidinone	4.906	99	91994	35.231	ppm		96
22) 2,2'-oxybis(1-Chloropr...	4.960	45	353749	99.076	ppm		95
23) 2-Methylphenol	4.965	108	295393	78.040	ppm		96
24) 3+4-Methylphenol	5.104	108	323506	75.534	ppm		93
25) Acetophenone	5.093	105	166359	31.274	ppm		85
26) N-Nitroso-Di-n-propyla...	5.088	70	94953	33.097	ppm		97
27) N-Nitrosopyrrolidine	5.088	100	69005	33.077	ppm		97
28) N-Nitrosomorpholine	5.120	56	62504	30.438	ppm		97
29) o-Toluidine	5.125	106	192806m	32.639	ppm		
30) Hexachloroethane	5.184	117	139329	80.571	ppm		97
31) o,o,o-Triethylphosphor...	5.628	198	61548	34.174	ppm		91
32) Alpha-terpinol	5.927	121	48910	34.844	ppm		92
35) Nitrobenzene	5.254	77	323915	77.992	ppm		98
36) N-Nitrosopiperidine	5.398	42	75003	33.225	ppm		89
37) Isophorone	5.467	82	498246	71.974	ppm		99
38) 2-Nitrophenol	5.547	139	180494	83.999	ppm		98
39) 2,4-Dimethylphenol	5.585	107	324014	83.736	ppm		95

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) bis(-2-Chloroethoxy)Me...	5.665	93	351413	86.338	ppm	99
42) 2,4-Dichlorophenol	5.782	162	259386	84.629	ppm	96
43) a,a-Dimethylphenethyla...	5.964	58	321567m	41.615	ppm	
44) 1,2,4-Trichlorobenzene	5.846	180	261886	81.038	ppm	98
45) Naphthalene	5.927	128	944199	84.073	ppm	99
46) 4-Chloroaniline	5.985	127	372688	79.306	ppm	99
47) 2,6-Dichlorophenol	5.991	162	253657	79.142	ppm	99
48) Hexachlorobutadiene	6.028	225	131738	80.455	ppm	96
49) Hexachloropropene	5.996	213	160542	78.471	ppm	100
50) 4-Chloro-3-methylphenol	6.461	107	262856	85.869	ppm	96
51) N-N-di-n-butylamine	6.290	84	79037	32.559	ppm	97
52) Caprolactam	6.322	113	39150	32.225	ppm	97
53) p-Phenylenediamine	6.338	80	462	0.590	ppm	# 21
54) Safrole	6.498	162	230278	79.880	ppm	98
55) 2-Methylnaphthalene	6.589	142	580441	79.860	ppm	97
56) 1-Methylnaphthalene	6.685	142	584388	85.940	ppm	99
58) Hexachlorocyclopentadiene	6.733	237	118843	81.880	ppm	100
59) 1,2,4,5-Tetrachloroben...	6.749	216	234967	77.993	ppm	97
60) 1,2,3,4-Tetrachloroben...	7.032	216	99556	31.383	ppm	100
61) 2,4,6-Trichlorophenol	6.872	196	166314	87.159	ppm	98
62) 2,4,5-Trichlorophenol	6.925	196	162706	79.278	ppm	99
64) Isosafrole	7.006	104	40259	30.582	ppm	85
65) 1,1'-Biphenyl	7.043	154	293710	32.390	ppm	97
66) 2-Chloronaphthalene	7.070	162	520430	79.407	ppm	100
67) 2-Nitroaniline	7.182	65	60788	32.447	ppm	89
68) 1,4-Naphthoquinone	7.257	158	74679	36.296	ppm	96
69) m-Dinitrobenzene	7.401	168	101249	78.630	ppm	91
70) Acenaphthylene	7.476	152	871112	82.982	ppm	99
71) Dimethyl phthalate	7.347	163	557070	72.699	ppm	98
72) 2,6-Dinitrotoluene	7.417	165	134363	77.237	ppm	96
73) Acenaphthene	7.646	153	562619	77.043	ppm	98
74) 3-Nitroaniline	7.588	138	67820	33.913	ppm	94
75) 2,4-Dinitrophenol	7.700	184	56352	83.121	ppm	84
76) Dibenzofuran	7.817	168	726376	80.550	ppm	99
77) 2,4-Dinitrotoluene	7.817	165	179362	78.068	ppm	97
78) 4-Nitrophenol	7.801	65	105728	80.582	ppm	# 41
79) Pentachlorobenzene	7.775	250	186333	77.177	ppm	97
80) 1-Napthylamine	7.903	143	157773	33.223	ppm	97
81) 2-Napthylamine	7.983	143	158259	26.172	ppm	97
82) 2,3,4,6-Tetrachlorophenol	7.946	232	109500	79.525	ppm	93
83) Fluorene	8.154	166	576685	77.779	ppm	100
84) 4-Chlorophenyl-phenyle...	8.149	204	253715	84.821	ppm	98
85) Diethylphthalate	8.036	149	550011	72.478	ppm	98
86) 4-Nitroaniline	8.202	138	68768	34.862	ppm	95
87) 5-Nitro-o-toluidine	8.181	152	71955	32.129	ppm	100
89) Sulfotepp	8.416	322	77194	81.503	ppm	98
90) Octachlorocyclopentene	8.394	307	30405	31.535	ppm	95
92) Thionazin	8.116	107	37889	30.817	ppm	98
93) 4,6-Dinitro-2-methylph...	8.223	198	104180	86.239	ppm	94
94) Diphenylamine	8.271	169	360803	65.152	ppm	99
95) 1,2 Diphenylhydrazine	8.309	77	220545	31.559	ppm	94
96) N-Nitrosodiphenylamine	8.271	169	360803	65.152	ppm	99
97) 1,3,5-Trinirobenzene	8.597	74	82038	82.078	ppm	96
98) Diallate	8.544	86	85510	29.676	ppm	97
99) Phorate	8.554	121	47862	33.017	ppm	97
100) Phenacetin	8.597	108	125202	34.292	ppm	99

Data Path : I:\ACQUDATA\5973A\DATA\043019\
 Data File : DR848.D
 Acq On : 30 Apr 2019 2:39 pm
 Operator : JMisiurewicz
 Sample : ICV
 Misc : Initial Calibration 8270/625
 ALS Vial : 14 Sample Multiplier: 1

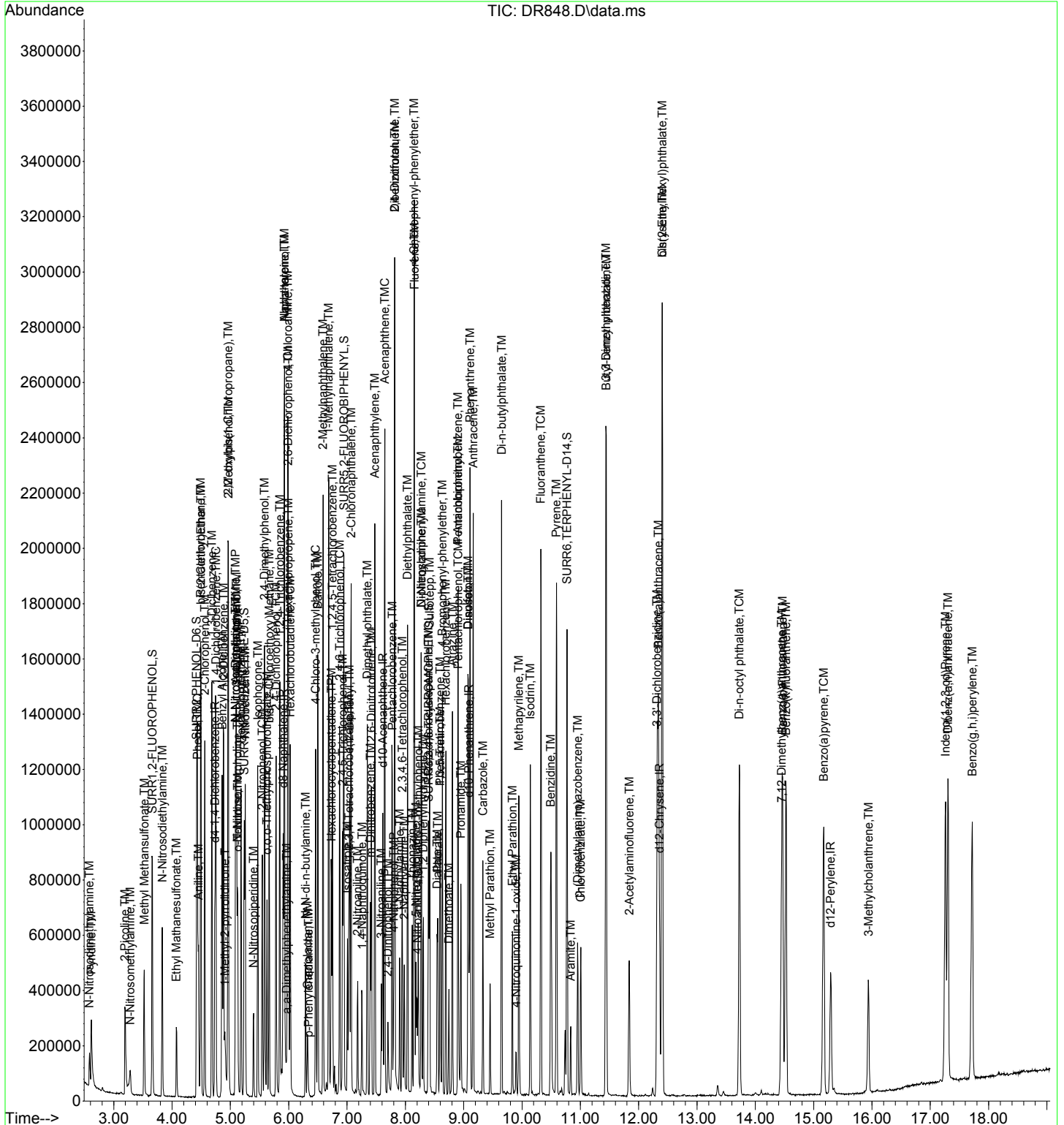
Quant Time: May 01 09:43:24 2019
 Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
 Quant Title : 8270 BNA ANALYSIS
 QLast Update : Wed May 01 09:32:05 2019
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 4-Bromophenyl-phenylether	8.635	248	136182	83.105	ppm	96
102) Hexachlorobenzene	8.693	284	140685	76.344	ppm	96
103) Dimethoate	8.747	87	69683	29.101	ppm	95
104) Atrazine	8.805	215	76941	85.866	ppm	99
105) Pentachlorophenol	8.907	266	56315	82.458	ppm	99
106) 4-Aminobiphenyl	8.902	169	180788	32.128	ppm	97
107) Pentachloronitrobenzene	8.902	237	56181	82.524	ppm	94
108) Pronamide	8.950	173	112086	34.981	ppm	98
109) Dinoseb	9.072	211	124811	78.498	ppm	96
110) Disulfoton	9.072	88	122998	35.784	ppm	91
111) Phenanthrene	9.110	178	781328	78.835	ppm	99
112) Anthracene	9.163	178	783477	79.561	ppm	98
113) Carbazole	9.329	167	322224	33.311	ppm	99
114) Di-n-butylphthalate	9.649	149	988324	79.048	ppm	99
115) 4-Nitroquinoline-1-oxide	9.900	190	17060	29.101	ppm	89
116) Fluoranthene	10.322	202	828026	81.607	ppm	99
118) Methyl Parathion	9.452	109	65405	29.048	ppm	92
119) Ethyl Parathion	9.836	97	55198	32.812	ppm	95
120) Methapyrilene	9.943	58	319013	130.356	ppm	99
121) Isodrin	10.141	193	83037	79.966	ppm	98
122) Benzidine	10.493	184	548565	82.317	ppm	99
123) Pyrene	10.589	202	855730	82.052	ppm	99
125) Aramite	10.835	185	49320m	34.501	ppm	
126) p-(Dimethylamino)azobe...	10.953	120	110438	35.645	ppm	95
127) Chlorobenzilate	11.006	139	122540	33.855	ppm	91
128) Butyl benzyl phthalate	11.444	149	458507	79.249	ppm	99
129) 3,3-Dimethylbenzidine	11.439	212	511368	80.613	ppm	97
130) 2-Acetylaminofluorene	11.839	181	156450	33.860	ppm	98
131) 3,3'-Dichlorobenzidine	12.315	252	284529	75.318	ppm	99
132) Benzo(a)anthracene	12.336	228	750034	77.774	ppm	98
133) Chrysene	12.405	228	733193	82.643	ppm	98
134) bis(2-Ethylhexyl)phtha...	12.405	149	624678	78.462	ppm	97
136) Di-n-octyl phthalate	13.725	149	1015108	76.510	ppm	99
137) 7,12-Dimethylbenz(a)an...	14.451	256	138203	32.701	ppm	96
138) Benzo(b)Fluoranthene	14.467	252	738499	79.380	ppm	99
139) Benzo(k)fluoranthene	14.526	252	716890	81.359	ppm	96
140) Benzo(a)pyrene	15.172	252	663908	82.980	ppm	97
141) 3-Methylcholanthrene	15.941	268	148523	31.696	ppm	95
142) Indeno(1,2,3-cd)Pyrene	17.260	276	631768	80.518	ppm	96
143) Dibenz(a,h)anthracene	17.303	278	652317	79.347	ppm	99
144) Benzo(g,h,i)perylene	17.720	276	627174	92.744	ppm	99

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

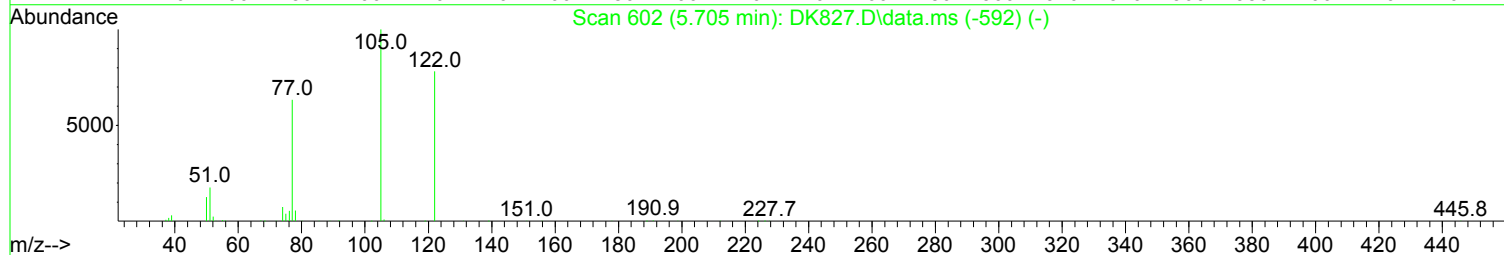
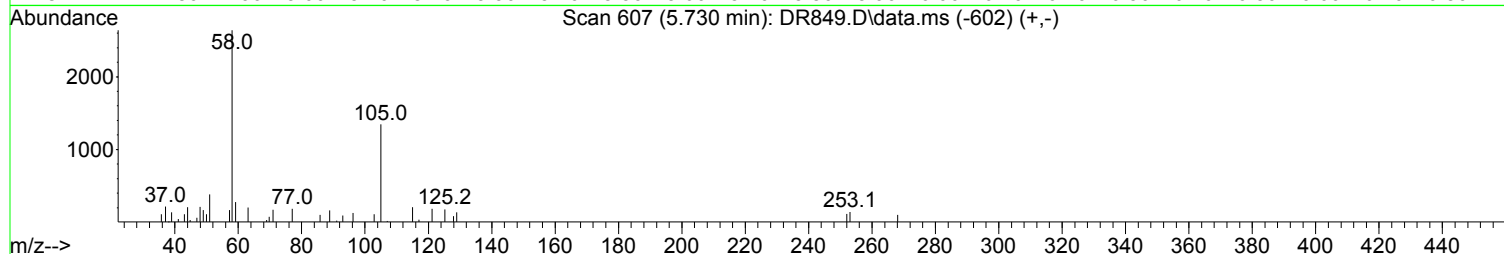
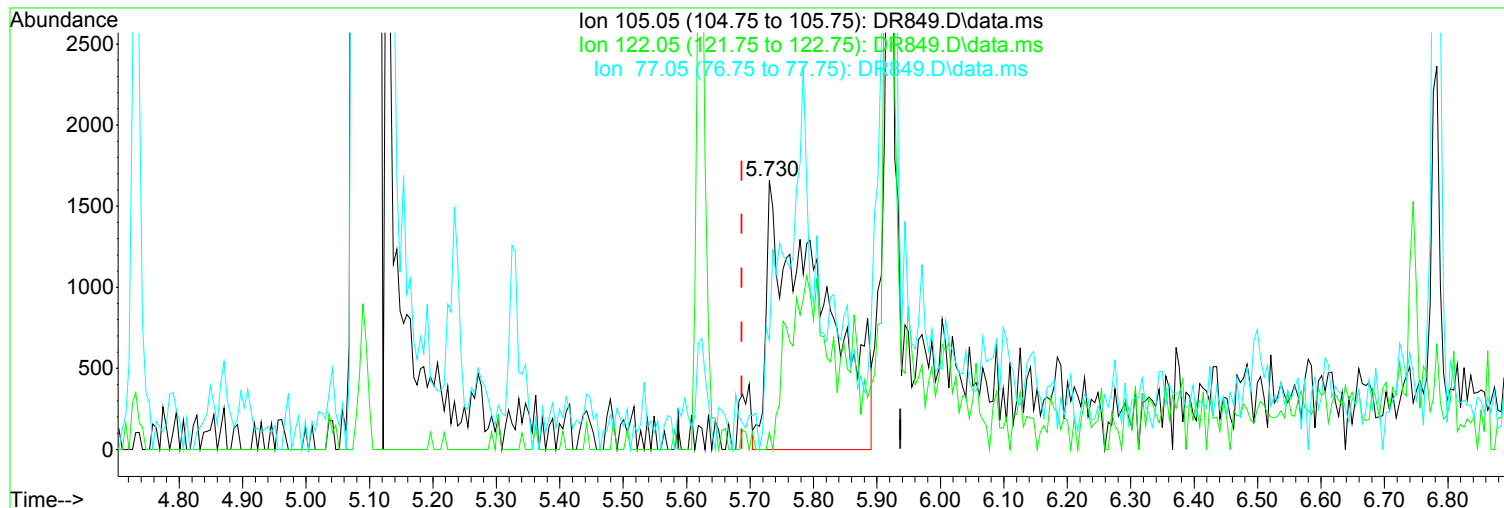
Data Path : I:\ACQDATA\5973A\DATA\043019\
Data File : DR848.D
Acq On : 30 Apr 2019 2:39 pm
Operator : JMisiurewicz
Sample : ICV
Misc : Initial Calibration 8270/625
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 01 09:43:24 2019
Quant Method : I:\ACQDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



TIC: DR849.D\data.ms

(41) Benzoic Acid (TM)

Manual Integration:

5.730min (+ 0.043) 22.98 ppm m

After

response 9800

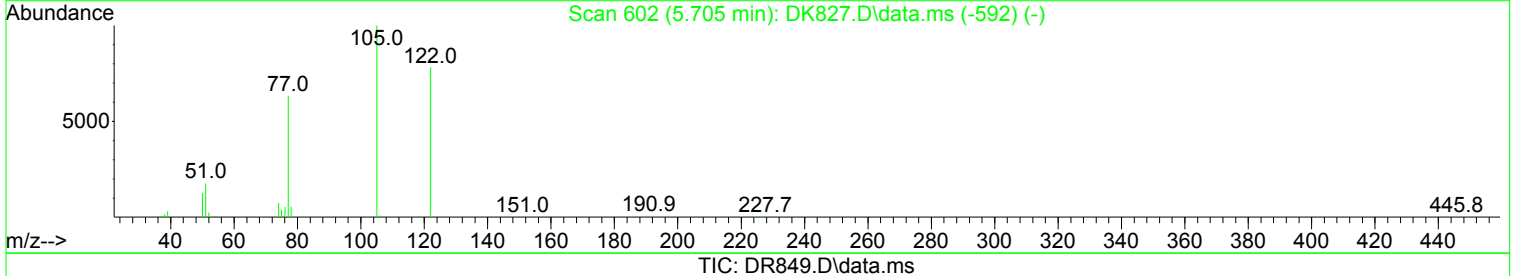
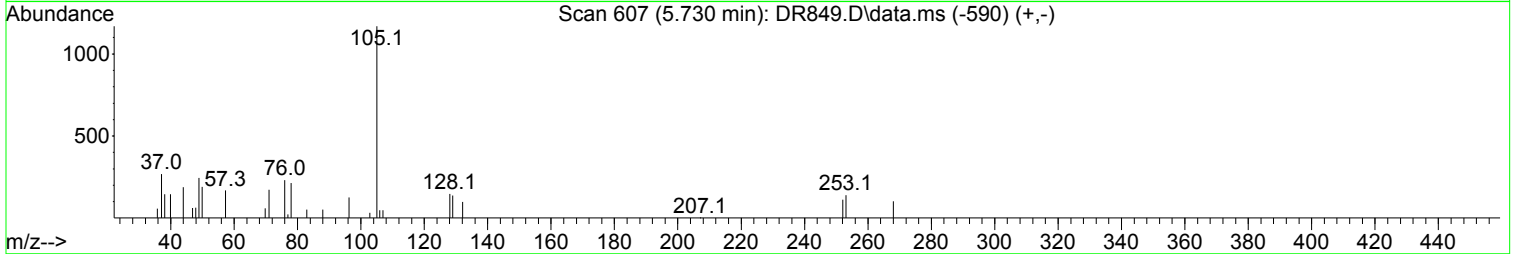
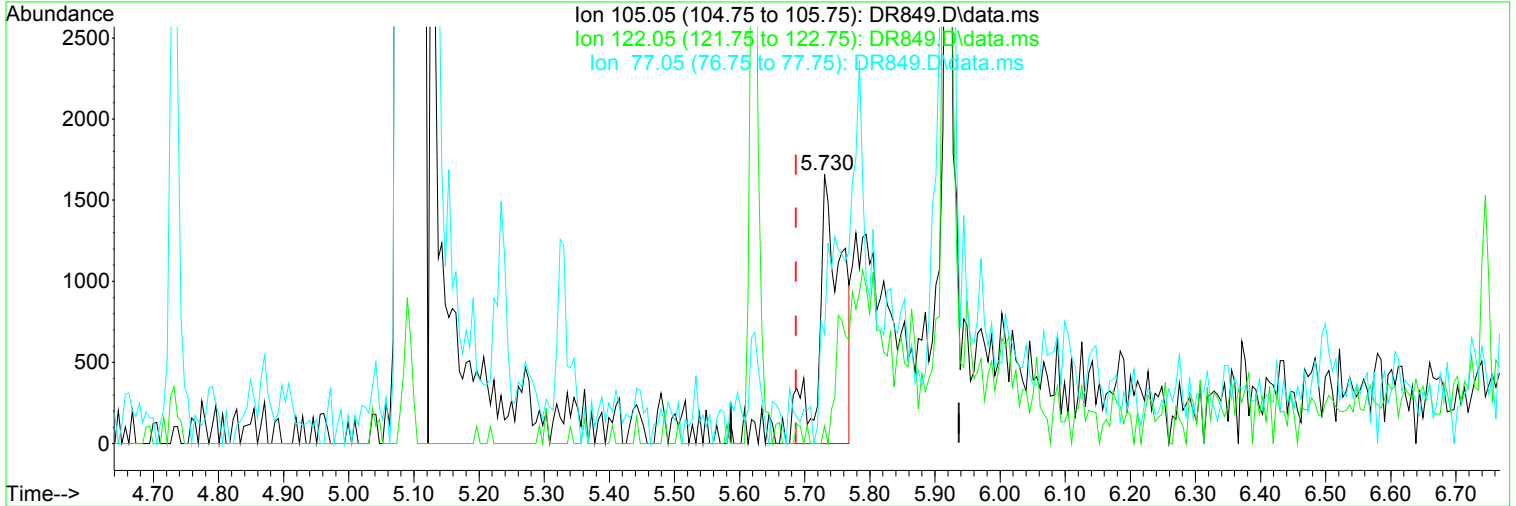
Poor integration.

Ion	Exp%	Act%
105.05	100.00	100.00
122.05	82.40	6.45#
77.05	69.60	40.53
0.00	0.00	0.00

05/01/19

Data Path : I:\ACQUDATA\5973A\DATA\043019\
Data File : DR849.D
Acq On : 30 Apr 2019 3:07 pm
Operator : JMisiurewicz
Sample : ICV #2
Misc : Initial Calibration 8270/625
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 01 09:47:54 2019
Quant Method : I:\ACQUDATA\5973A\METHODS\8270043019A.M
Quant Title : 8270 BNA ANALYSIS
QLast Update : Wed May 01 09:32:05 2019
Response via : Initial Calibration



(41) Benzoic Acid (TM) Manual Integration:

5.730min (+ 0.043) 19.45 ppm Before

response 4134

Ion	Exp%	Act%	
105.05	100.00	100.00	05/01/19
122.05	82.40	0.00#	
77.05	69.60	1.92#	
0.00	0.00	0.00	

Analysis: 8270/625 Analyst: OMTS, uncl, LR Run Method: 8270A/TUNE
 Date: 4/30/19 Instr. 5973A R-MS-51 Quant Method: 820043019A.M
 Syringes: _____ LIMS Run#: 632877

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			12534	-	
2	TUNE		198691	35	(N)	
2	TUNE		↓	36	YT	8:01
3	CCV			37	(N)	recalibrate
4	Blk			38	Y	
5	1 ppm STD		199023	39	Y	
6	2.5		24	40	Y	
7	5.0		25	41	Y	
8	10		26	42	Y	
9	50		27	43	Y	
10	80		28	44	Y	
11	100		29	45	Y	
12	120		30	46	Y	
13	160		↓ 31	47	Y	
14	ICV #1	199034	198999	48	Y	
15	↓ #2		199000	49	Y	Amide/Amic Acid only
16	CCV		199028	50	Y	
17	RQ1903557-01	Blk	335128	51	Y	
18	↓ -02	LCS	(625)	52	Y	
19	↓ -03	LCS		53	Y	
20	R1903386-001			54	Y	
21	RQ1903613-01	Blk	335197	55	Y	
22	↓ -02	LCS	(625)	56	Y	
23	↓ -03	LCS		57	Y	
24	R1903480-003			58	Y	
25	R1903500-001			59	Y	
26	RQ1903742-01	Blk	335378	60	Y	
27	↓ -02	LCS	(625)	61	Y	
28	↓ -03	LCS		62	Y	
29	R1903515-002			63	Y	
30	R1903505-001			64	Y	
31	↓ -002			65	Y	10:50
32	↓ -003			66	(N)	OUT OF TUNE 11:18

All samples = 1 mL + 10 uL Combined IS/Surr.; (97704)

Primary: _____ exp: _____ Secondary: _____ exp: _____
 Primary: _____ exp: _____ Secondary: _____ exp: _____
 Reagents: _____ Runlog GCEXT r2 4/27/17
 O-1002 Page 52

ALS Group USA, Corp.

DBA ALS Environmental

QC/QC Report

Date Analyzed: 4/30/19 8:01

ICAL Tune Summary
Semi Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\5973A\DATA\043019\DR836.D
Instrument ID: R-MS-51

Analytical Method: 8270D

Target Mass	Relative to Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Results Pass/Fail
51	198	10	80	42.1	32694	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	47.0	36473	PASS
70	69	0	2	0.8	285	PASS
127	198	10	80	53.7	41683	PASS
197	198	0	2	0.8	623	PASS
198	198	100	100	100.0	77571	PASS
199	198	5	9	6.1	4703	PASS
275	198	10	60	22.1	17145	PASS
365	198	1	100	2.5	1971	PASS
441	442	0.01	24	17.8	10928	PASS
442	442	100	100	100.0	61379	PASS
443	442	15	24	18.6	11428	PASS

Sample Name	Lab Code	File ID:	Date Analyzes: Q
LK	BLK	I:\ACQUDATA\5973A\DATA\043019\DR838.D	4/30/19 9:12
1 ppm STD	1 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR839.D	4/30/19 9:40
2.5 ppm STD	2.5 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR840.D	4/30/19 10:09
5.0 ppm STD	5.0 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR841.D	4/30/19 10:38
10 ppm STD	10 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR842.D	4/30/19 11:08
50 ppm STD	50 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR843.D	4/30/19 12:00
80 ppm STD	80 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR844.D	4/30/19 12:34
100 ppm STD	100 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR845.D	4/30/19 13:03
120 ppm STD	120 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR846.D	4/30/19 13:33
160 ppm STD	160 ppm STD	I:\ACQUDATA\5973A\DATA\043019\DR847.D	4/30/19 14:03
ICV	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	4/30/19 14:39
ICV #2	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	4/30/19 15:07

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

#	Lab Code	Sample Name	File Location	Acquisition Date
01	RC1900050-01	1 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR839.D	04/30/2019 09:40
02	RC1900050-02	2.5 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR840.D	04/30/2019 10:09
03	RC1900050-03	5.0 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR841.D	04/30/2019 10:38
04	RC1900050-04	10 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR842.D	04/30/2019 11:08
05	RC1900050-05	50 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR843.D	04/30/2019 12:00
06	RC1900050-06	80 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR844.D	04/30/2019 12:34
07	RC1900050-07	100 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR845.D	04/30/2019 13:03
08	RC1900050-08	120 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR846.D	04/30/2019 13:33
09	RC1900050-09	160 ppm STD	I:\ACQUADATA\5973A\DATA\043019\DR847.D	04/30/2019 14:03

Analyte

1,2,4-Trichlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3001	02	2.500	0.3324	03	5.000	0.3278	04	10.000	0.3258
05	50.000	0.3224	06	80.000	0.3224	07	100.000	0.307	08	120.000	0.2969
09	160.000	0.3201									

1,2-Diphenylhydrazine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9045	02	2.500	0.9616	03	5.000	0.9927	04	10.000	1.018
05	50.000	0.9582	06	80.000	0.8334	07	100.000	0.8133	08	120.000	0.7703
09	160.000	0.7758									

2,2'-Oxybis(1-chloropropane)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.253	02	2.500	1.357	03	5.000	1.437	04	10.000	1.327
05	50.000	1.356	06	80.000	1.295	07	100.000	1.26	08	120.000	1.216
09	160.000	1.198									

2,4,5-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3726	02	2.500	0.3953	03	5.000	0.3995	04	10.000	0.3978
05	50.000	0.4221	06	80.000	0.4104	07	100.000	0.4098	08	120.000	0.3978
09	160.000	0.4042									

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1747	02	2.500	0.1654	03	5.000	0.1551	04	10.000	0.1612
05	50.000	0.172	06	80.000	0.1608	07	100.000	0.1599	08	120.000	0.1637
09	160.000	0.1614									

2,4,6-Trichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.318	02	2.500	0.3439	03	5.000	0.3526	04	10.000	0.3849
05	50.000	0.4128	06	80.000	0.3803	07	100.000	0.3863	08	120.000	0.3863
09	160.000	0.3908									

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

2,4-Dichlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2815	02	2.500	0.3026	03	5.000	0.2853	04	10.000	0.293
05	50.000	0.3265	06	80.000	0.3161	07	100.000	0.3012	08	120.000	0.2882
09	160.000	0.3134									

2,4-Dimethylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3704	02	2.500	0.3788	03	5.000	0.3783	04	10.000	0.3826
05	50.000	0.3967	06	80.000	0.393	07	100.000	0.3709	08	120.000	0.3612
09	160.000	0.3866									

2,4-Dinitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.04432	04	10.000	0.05868	05	50.000	0.1221	06	80.000	0.133
07	100.000	0.1415	08	120.000	0.1506	09	160.000	0.1687			

2,4-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4438	02	2.500	0.4351	03	5.000	0.4267	04	10.000	0.442
05	50.000	0.4752	06	80.000	0.4482	07	100.000	0.4512	08	120.000	0.452
09	160.000	0.4666									

2,6-Dinitrotoluene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3469	02	2.500	0.3416	03	5.000	0.3348	04	10.000	0.3623
05	50.000	0.3481	06	80.000	0.3238	07	100.000	0.3372	08	120.000	0.3242
09	160.000	0.3406									

2-Chloronaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.285	02	2.500	1.346	03	5.000	1.291	04	10.000	1.318
05	50.000	1.331	06	80.000	1.25	07	100.000	1.227	08	120.000	1.231
09	160.000	1.248									

2-Chlorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.606	02	2.500	1.459	03	5.000	1.463	04	10.000	1.529
05	50.000	1.648	06	80.000	1.56	07	100.000	1.535	08	120.000	1.491
09	160.000	1.529									

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.479	02	2.500	1.572	03	5.000	1.593	04	10.000	1.548
05	50.000	1.601	06	80.000	1.487	07	100.000	1.466	08	120.000	1.458
09	160.000	1.486									

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QA/QC Report

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2-Fluorophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.443	02	2.500	1.427	03	5.000	1.463	04	10.000	1.514
05	50.000	1.504	06	80.000	1.479	07	100.000	1.452	08	120.000	1.397
09	160.000	1.415									

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.6781	02	2.500	0.7805	03	5.000	0.741	04	10.000	0.7232
05	50.000	0.7164	06	80.000	0.7234	07	100.000	0.6859	08	120.000	0.6624
09	160.000	0.7104									

2-Methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.46	02	2.500	1.444	03	5.000	1.364	04	10.000	1.378
05	50.000	1.437	06	80.000	1.349	07	100.000	1.318	08	120.000	1.307
09	160.000	1.343									

2-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4105	02	2.500	0.3839	03	5.000	0.3695	04	10.000	0.3938
05	50.000	0.3809	06	80.000	0.3441	07	100.000	0.3363	08	120.000	0.3364
09	160.000	0.3395									

2-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2106	02	2.500	0.2004	03	5.000	0.203	04	10.000	0.2116
05	50.000	0.223	06	80.000	0.219	07	100.000	0.2085	08	120.000	0.2051
09	160.000	0.2172									

3,3'-Dichlorobenzidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5834	02	2.500	0.5314	03	5.000	0.5019	04	10.000	0.5176
05	50.000	0.5553	06	80.000	0.5389	07	100.000	0.5378	08	120.000	0.5117
09	160.000	0.5103									

3- and 4-Methylphenol Coelution

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.649	02	2.500	1.542	03	5.000	1.493	04	10.000	1.598
05	50.000	1.615	06	80.000	1.56	07	100.000	1.524	08	120.000	1.519
09	160.000	1.531									

3-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3806	02	2.500	0.3893	03	5.000	0.3887	04	10.000	0.4043
05	50.000	0.4067	06	80.000	0.3863	07	100.000	0.3884	08	120.000	0.3784
09	160.000	0.3943									

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QA/QC Report

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Signal ID: 1

Analyte

4,6-Dinitro-2-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
04	10.000	0.1126	05	50.000	0.1667	06	80.000	0.1575	07	100.000	0.1609
08	120.000	0.1606	09	160.000	0.1668						

4-Bromophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2288	02	2.500	0.2097	03	5.000	0.2243	04	10.000	0.2239
05	50.000	0.2132	06	80.000	0.2002	07	100.000	0.1969	08	120.000	0.1953
09	160.000	0.1899									

4-Chloro-3-methylphenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2999	02	2.500	0.302	03	5.000	0.2976	04	10.000	0.3106
05	50.000	0.3059	06	80.000	0.31	07	100.000	0.2948	08	120.000	0.281
09	160.000	0.3025									

4-Chloroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4618	02	2.500	0.4943	03	5.000	0.4612	04	10.000	0.4614
05	50.000	0.4631	06	80.000	0.4703	07	100.000	0.4495	08	120.000	0.4254
09	160.000	0.4648									

4-Chlorophenyl Phenyl Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.5906	02	2.500	0.6206	03	5.000	0.6001	04	10.000	0.6135
05	50.000	0.601	06	80.000	0.5696	07	100.000	0.5558	08	120.000	0.5564
09	160.000	0.5533									

4-Nitroaniline

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3429	02	2.500	0.3677	03	5.000	0.3677	04	10.000	0.4071
05	50.000	0.4114	06	80.000	0.4003	07	100.000	0.3916	08	120.000	0.38
09	160.000	0.4006									

4-Nitrophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.2179	04	10.000	0.2296	05	50.000	0.2748	06	80.000	0.269
07	100.000	0.2552	08	120.000	0.268	09	160.000	0.2802			

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.419	02	2.500	1.489	03	5.000	1.439	04	10.000	1.456
05	50.000	1.47	06	80.000	1.404	07	100.000	1.373	08	120.000	1.392
09	160.000	1.402									

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	2.12	02	2.500	2.121	03	5.000	2.052	04	10.000	2.075

ALS Group USA, Corp.
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Project: 24 York St

Service Request: R1903956
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Initial Calibration Summary
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Calibration ID: RC1900050
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Analyte

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
05	50.000	2.134	06	80.000	2.003	07	100.000	1.977	08	120.000	1.966
09	160.000	2.014									

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.333	02	2.500	1.29	03	5.000	1.271	04	10.000	1.262
05	50.000	1.32	06	80.000	1.234	07	100.000	1.22	08	120.000	1.187
09	160.000	1.195									

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.48	02	2.500	1.418	03	5.000	1.337	04	10.000	1.369
05	50.000	1.393	06	80.000	1.361	07	100.000	1.32	08	120.000	1.282
09	160.000	1.264									

Benidine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9125	02	2.500	0.8941	03	5.000	0.8821	04	10.000	0.9224
05	50.000	1.049	06	80.000	0.9895	07	100.000	0.9664	08	120.000	0.9185
09	160.000	0.9125									

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.161	02	2.500	1.118	03	5.000	1.125	04	10.000	1.152
05	50.000	1.251	06	80.000	1.165	07	100.000	1.176	08	120.000	1.153
09	160.000	1.001									

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.33	02	2.500	1.406	03	5.000	1.299	04	10.000	1.346
05	50.000	1.445	06	80.000	1.352	07	100.000	1.333	08	120.000	1.314
09	160.000	1.154									

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.031	02	2.500	1.056	03	5.000	0.9838	04	10.000	1.045
05	50.000	1.023	06	80.000	0.9649	07	100.000	0.9232	08	120.000	0.9074
09	160.000	0.7734									

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.3	02	2.500	1.295	03	5.000	1.235	04	10.000	1.326
05	50.000	1.349	06	80.000	1.294	07	100.000	1.262	08	120.000	1.231
09	160.000	1.055									

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QA/QC Report

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Service Request: R1903956
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Analyte

Benzyl Alcohol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9303	02	2.500	1.034	03	5.000	0.9553	04	10.000	1.019
05	50.000	1.138	06	80.000	1.057	07	100.000	1.085	08	120.000	1.064
09	160.000	1.078									

Bis(2-chloroethoxy)methane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.3727	02	2.500	0.4035	03	5.000	0.4364	04	10.000	0.4028
05	50.000	0.4263	06	80.000	0.4058	07	100.000	0.3876	08	120.000	0.367
09	160.000	0.3938									

Bis(2-chloroethyl) Ether

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.557	02	2.500	1.38	03	5.000	1.309	04	10.000	1.381
05	50.000	1.39	06	80.000	1.325	07	100.000	1.289	08	120.000	1.249
09	160.000	1.295									

Bis(2-ethylhexyl) Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.213	02	2.500	1.141	03	5.000	1.079	04	10.000	1.107
05	50.000	1.18	06	80.000	1.136	07	100.000	1.115	08	120.000	1.072
09	160.000	1.05									

Butyl Benzyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.8032	02	2.500	0.8574	03	5.000	0.813	04	10.000	0.83
05	50.000	0.8672	06	80.000	0.8243	07	100.000	0.8091	08	120.000	0.7711
09	160.000	0.7583									

Carbazole

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.247	02	2.500	1.213	03	5.000	1.227	04	10.000	1.285
05	50.000	1.338	06	80.000	1.242	07	100.000	1.204	08	120.000	1.169
09	160.000	1.185									

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.339	02	2.500	1.318	03	5.000	1.237	04	10.000	1.259
05	50.000	1.29	06	80.000	1.255	07	100.000	1.216	08	120.000	1.18
09	160.000	1.151									

Di-n-butyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.56	02	2.500	1.549	03	5.000	1.552	04	10.000	1.688
05	50.000	1.783	06	80.000	1.583	07	100.000	1.587	08	120.000	1.533
09	160.000	1.528									

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Analyte

Di-n-octyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.951	02	2.500	1.907	03	5.000	1.778	04	10.000	1.968
05	50.000	2.049	06	80.000	1.915	07	100.000	1.956	08	120.000	1.892
09	160.000	1.669									

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.263	02	2.500	1.218	03	5.000	1.199	04	10.000	1.223
05	50.000	1.263	06	80.000	1.191	07	100.000	1.147	08	120.000	1.121
09	160.000	0.9604									

Dibenzofuran

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.786	02	2.500	1.795	03	5.000	1.81	04	10.000	1.807
05	50.000	1.843	06	80.000	1.744	07	100.000	1.71	08	120.000	1.695
09	160.000	1.67									

Diethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.534	02	2.500	1.587	03	5.000	1.529	04	10.000	1.486
05	50.000	1.494	06	80.000	1.434	07	100.000	1.435	08	120.000	1.406
09	160.000	1.441									

Dimethyl Phthalate

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.585	02	2.500	1.706	03	5.000	1.553	04	10.000	1.563
05	50.000	1.478	06	80.000	1.397	07	100.000	1.376	08	120.000	1.382
09	160.000	1.437									

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.227	02	2.500	1.276	03	5.000	1.193	04	10.000	1.377
05	50.000	1.404	06	80.000	1.312	07	100.000	1.303	08	120.000	1.274
09	160.000	1.291									

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.511	02	2.500	1.545	03	5.000	1.51	04	10.000	1.525
05	50.000	1.482	06	80.000	1.377	07	100.000	1.373	08	120.000	1.34
09	160.000	1.375									

Hexachlorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.2539	02	2.500	0.2613	03	5.000	0.2392	04	10.000	0.2554
05	50.000	0.2352	06	80.000	0.22	07	100.000	0.215	08	120.000	0.2188
09	160.000	0.218									

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QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St

Service Request: R1903956
Calibration Date: 4/30/2019

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte

Hexachlorobutadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.1514	02	2.500	0.171	03	5.000	0.1631	04	10.000	0.1734
05	50.000	0.1623	06	80.000	0.16	07	100.000	0.1521	08	120.000	0.1507
09	160.000	0.1627									

Hexachlorocyclopentadiene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	2.500	0.1136	03	5.000	0.1468	04	10.000	0.194	05	50.000	0.2791
06	80.000	0.2857	07	100.000	0.2936	08	120.000	0.2991	09	160.000	0.3061

Hexachloroethane

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.7048	02	2.500	0.5747	03	5.000	0.6452	04	10.000	0.6405
05	50.000	0.654	06	80.000	0.6191	07	100.000	0.6152	08	120.000	0.6045
09	160.000	0.6072									

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.268	02	2.500	1.084	03	5.000	1.13	04	10.000	1.187
05	50.000	1.192	06	80.000	1.115	07	100.000	1.116	08	120.000	1.068
09	160.000	0.9437									

Isophorone

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.665	02	2.500	0.6942	03	5.000	0.7157	04	10.000	0.7049
05	50.000	0.7047	06	80.000	0.6821	07	100.000	0.6506	08	120.000	0.6268
09	160.000	0.6718									

N-Nitrosodi-n-propylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.107	02	2.500	1.13	03	5.000	1.018	04	10.000	1.081
05	50.000	1.095	06	80.000	0.9965	07	100.000	1.019	08	120.000	0.9686
09	160.000	0.984									

N-Nitrosodimethylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.94	02	2.500	0.8707	03	5.000	0.8033	04	10.000	0.8628
05	50.000	1.03	06	80.000	0.9926	07	100.000	0.9848	08	120.000	0.9738
09	160.000	0.9461									

N-Nitrosodiphenylamine

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.000	0.697	02	5.000	0.7372	03	10.000	0.7476	04	20.000	0.7795
05	100.000	0.7293	06	160.000	0.6858	07	200.000	0.6767	08	240.000	0.6564
09	320.000	0.652									

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Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.135	02	2.500	1.179	03	5.000	1.148	04	10.000	1.125
05	50.000	1.11	06	80.000	1.101	07	100.000	1.052	08	120.000	1.007
09	160.000	1.063									

Nitrobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4148	02	2.500	0.4549	03	5.000	0.4187	04	10.000	0.4227
05	50.000	0.4188	06	80.000	0.4018	07	100.000	0.379	08	120.000	0.367
09	160.000	0.3915									

Nitrobenzene-d5

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.4335	02	2.500	0.4454	03	5.000	0.4165	04	10.000	0.4138
05	50.000	0.4086	06	80.000	0.4029	07	100.000	0.3797	08	120.000	0.3625
09	160.000	0.3902									

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
03	5.000	0.03174	04	10.000	0.04305	05	50.000	0.085	06	80.000	0.08922
07	100.000	0.09108	08	120.000	0.09206	09	160.000	0.1045			

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.365	02	2.500	1.339	03	5.000	1.262	04	10.000	1.28
05	50.000	1.315	06	80.000	1.233	07	100.000	1.226	08	120.000	1.18
09	160.000	1.185									

Phenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.851	02	2.500	1.937	03	5.000	1.944	04	10.000	1.991
05	50.000	2.091	06	80.000	1.989	07	100.000	1.943	08	120.000	1.909
09	160.000	1.939									

Phenol-d6

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.6	02	2.500	1.787	03	5.000	1.767	04	10.000	1.795
05	50.000	1.955	06	80.000	1.837	07	100.000	1.811	08	120.000	1.769
09	160.000	1.765									

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	1.402	02	2.500	1.402	03	5.000	1.419	04	10.000	1.463
05	50.000	1.571	06	80.000	1.534	07	100.000	1.52	08	120.000	1.471
09	160.000	1.437									

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Analyte

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.000	0.9164	02	2.500	0.9555	03	5.000	0.9282	04	10.000	0.9467
05	50.000	0.9983	06	80.000	0.9604	07	100.000	0.9567	08	120.000	0.9219
09	160.000	0.8965									

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Calibration ID: RC1900050
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Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
1,2,4-Trichlorobenzene	TRG	Average RF	% RSD	4.0	35	0.3172	
1,2-Diphenylhydrazine	TRG	Average RF	% RSD	10.7	35	0.892	
2,2'-Oxybis(1-chloropropane)	TRG	Average RF	% RSD	5.9	35	1.3	
2,4,5-Trichlorophenol	TRG	Average RF	% RSD	3.4	35	0.4011	
2,4,6-Tribromophenol	SURR	Average RF	% RSD	3.8	35	0.1638	
2,4,6-Trichlorophenol	TRG	Average RF	% RSD	7.8	35	0.3729	
2,4-Dichlorophenol	TRG	Average RF	% RSD	5.1	35	0.3009	
2,4-Dimethylphenol	TRG	Average RF	% RSD	3.0	35	0.3798	
2,4-Dinitrophenol	TRG	Quadratic	COD	0.9992	0.99	0.117	
2,4-Dinitrotoluene	TRG	Average RF	% RSD	3.3	35	0.449	
2,6-Dinitrotoluene	TRG	Average RF	% RSD	3.5	35	0.3399	
2-Chloronaphthalene	TRG	Average RF	% RSD	3.5	35	1.281	
2-Chlorophenol	TRG	Average RF	% RSD	4.1	35	1.536	
2-Fluorobiphenyl	SURR	Average RF	% RSD	3.8	35	1.521	
2-Fluorophenol	SURR	Average RF	% RSD	2.7	35	1.455	
2-Methylnaphthalene	TRG	Average RF	% RSD	5.0	35	0.7135	
2-Methylphenol	TRG	Average RF	% RSD	4.1	35	1.378	
2-Nitroaniline	TRG	Average RF	% RSD	7.6	35	0.3661	
2-Nitrophenol	TRG	Average RF	% RSD	3.6	35	0.2109	
3,3'-Dichlorobenzidine	TRG	Average RF	% RSD	4.8	35	0.5321	
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	3.3	35	1.559	
3-Nitroaniline	TRG	Average RF	% RSD	2.5	35	0.3908	
4,6-Dinitro-2-methylphenol	TRG	Average RF	% RSD	13.4	35	0.1542	
4-Bromophenyl Phenyl Ether	TRG	Average RF	% RSD	6.8	35	0.2092	
4-Chloro-3-methylphenol	TRG	Average RF	% RSD	3.0	35	0.3005	
4-Chloroaniline	TRG	Average RF	% RSD	3.9	35	0.4613	
4-Chlorophenyl Phenyl Ether	TRG	Average RF	% RSD	4.5	35	0.5845	
4-Nitroaniline	TRG	Average RF	% RSD	5.9	35	0.3855	
4-Nitrophenol	TRG	Average RF	% RSD	9.3	35	0.2564	
Acenaphthene	TRG	Average RF	% RSD	2.7	35	1.427	
Acenaphthylene	TRG	Average RF	% RSD	3.2	35	2.051	
Anthracene	TRG	Average RF	% RSD	4.1	35	1.257	
Benz(a)anthracene	TRG	Average RF	% RSD	5.0	35	1.358	
Benzidine	TRG	Average RF	% RSD	5.7	35	0.9386	

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Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Benzo(a)pyrene	TRG	Average RF	% RSD	5.8	35	1.145	
Benzo(b)fluoranthene	TRG	Average RF	% RSD	6.0	35	1.331	
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	9.3	35	0.9676	
Benzo(k)fluoranthene	TRG	Average RF	% RSD	6.9	35	1.261	
Benzyl Alcohol	TRG	Average RF	% RSD	6.2	35	1.04	
Bis(2-chloroethoxy)methane	TRG	Average RF	% RSD	5.7	35	0.3995	
Bis(2-chloroethyl) Ether	TRG	Average RF	% RSD	6.7	35	1.353	
Bis(2-ethylhexyl) Phthalate	TRG	Average RF	% RSD	4.7	35	1.121	
Butyl Benzyl Phthalate	TRG	Average RF	% RSD	4.4	35	0.8149	
Carbazole	TRG	Average RF	% RSD	4.2	35	1.235	
Chrysene	TRG	Average RF	% RSD	4.9	35	1.25	
Di-n-butyl Phthalate	TRG	Average RF	% RSD	5.3	35	1.596	
Di-n-octyl Phthalate	TRG	Average RF	% RSD	5.9	35	1.898	
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	8.0	35	1.176	
Dibenzofuran	TRG	Average RF	% RSD	3.4	35	1.762	
Diethyl Phthalate	TRG	Average RF	% RSD	4.0	35	1.483	
Dimethyl Phthalate	TRG	Average RF	% RSD	7.5	35	1.497	
Fluoranthene	TRG	Average RF	% RSD	5.1	35	1.295	
Fluorene	TRG	Average RF	% RSD	5.6	35	1.449	
Hexachlorobenzene	TRG	Average RF	% RSD	7.7	35	0.2352	
Hexachlorobutadiene	TRG	Average RF	% RSD	5.1	35	0.1607	
Hexachlorocyclopentadiene	TRG	Quadratic	COD	0.9961	0.99	0.2398	
Hexachloroethane	TRG	Average RF	% RSD	5.9	35	0.6295	
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	8.1	35	1.123	
Isophorone	TRG	Average RF	% RSD	4.3	35	0.6795	
N-Nitrosodi-n-propylamine	TRG	Average RF	% RSD	5.7	35	1.044	
N-Nitrosodimethylamine	TRG	Average RF	% RSD	7.9	35	0.9338	
N-Nitrosodiphenylamine	TRG	Average RF	% RSD	6.2	35	0.7068	
Naphthalene	TRG	Average RF	% RSD	4.8	35	1.102	
Nitrobenzene	TRG	Average RF	% RSD	6.4	35	0.4077	
Nitrobenzene-d5	SURR	Average RF	% RSD	6.4	35	0.4059	
Pentachlorophenol (PCP)	TRG	Quadratic	COD	0.9980	0.99	0.07666	
Phenanthrene	TRG	Average RF	% RSD	5.2	35	1.265	
Phenol	TRG	Average RF	% RSD	3.4	35	1.955	
Phenol-d6	SURR	Average RF	% RSD	5.1	35	1.787	

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Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation				Calibration Evaluation	
		Fit Type	Eval	Eval Result	Control Criteria	Average RRF	Minimum RRF
Pyrene	TRG	Average RF	% RSD	4.1	35	1.469	
p-Terphenyl-d14	SURR	Average RF	% RSD	3.2	35	0.9423	

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QA/QC Report

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Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: RC1900050
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#	Lab Code	Sample Name	File Location	Acquisition Date
10	RC1900050-10	ICV	I:\ACQUDATA\5973A\DATA\043019\DR848.D	04/30/2019 14:39
11	RC1900050-11	ICV #2	I:\ACQUDATA\5973A\DATA\043019\DR849.D	04/30/2019 15:07

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
1,2,4-Trichlorobenzene	80.0	81.0	3.172E-1	3.213E-1	1.30	±30	Average RF
1,2-Diphenylhydrazine	32.0	31.6	8.92E-1	8.797E-1	-1.377	±30	Average RF
2,4,5-Trichlorophenol	80.0	79.3	4.011E-1	3.974E-1	-0.902	±30	Average RF
2,4,6-Trichlorophenol	80.0	87.2	3.729E-1	4.063E-1	8.95	±30	Average RF
2,4-Dichlorophenol	80.0	84.6	3.009E-1	3.183E-1	5.79	±30	Average RF
2,4-Dimethylphenol	80.0	83.7	3.798E-1	3.976E-1	4.67	±30	Average RF
2,4-Dinitrophenol	80.0	83.1	1.17E-1	1.377E-1	3.90	±30	Quadratic
2,4-Dinitrotoluene	80.0	78.1	4.49E-1	4.381E-1	-2.416	±30	Average RF
2,6-Dinitrotoluene	80.0	77.2	3.399E-1	3.282E-1	-3.454	±30	Average RF
2-Chloronaphthalene	80.0	79.4	1.281E0	1.271E0	-0.742	±30	Average RF
2-Chlorophenol	80.0	82.7	1.536E0	1.587E0	3.36	±30	Average RF
2-Methylnaphthalene	80.0	79.9	7.135E-1	7.122E-1	-0.175	±30	Average RF
2-Methylphenol	80.0	78.0	1.378E0	1.344E0	-2.450	±30	Average RF
2-Nitroaniline	32.0	32.4	3.661E-1	3.712E-1	1.40	±30	Average RF
2-Nitrophenol	80.0	84.0	2.109E-1	2.215E-1	5.00	±30	Average RF
3,3'-Dichlorobenzidine	80.0	75.3	5.321E-1	5.009E-1	-5.852	±30	Average RF
3- and 4-Methylphenol Coelution	80.0	75.5	1.559E0	1.472E0	-5.582	±30	Average RF
3-Nitroaniline	32.0	33.9	3.908E-1	4.142E-1	5.98	±30	Average RF
4,6-Dinitro-2-methylphenol	80.0	86.2	1.542E-1	1.662E-1	7.80	±30	Average RF
4-Bromophenyl Phenyl Ether	80.0	83.1	2.092E-1	2.173E-1	3.88	±30	Average RF
4-Chloro-3-methylphenol	80.0	85.9	3.005E-1	3.225E-1	7.34	±30	Average RF
4-Chloroaniline	80.0	79.3	4.613E-1	4.573E-1	-0.868	±30	Average RF
4-Chlorophenyl Phenyl Ether	80.0	84.8	5.845E-1	6.197E-1	6.03	±30	Average RF
4-Nitroaniline	32.0	34.9	3.855E-1	4.199E-1	8.95	±30	Average RF
4-Nitrophenol	80.0	80.6	2.564E-1	2.583E-1	0.728	±30	Average RF
Acenaphthene	80.0	77.0	1.427E0	1.374E0	-3.696	±30	Average RF
Acenaphthylene	80.0	83.0	2.051E0	2.128E0	3.73	±30	Average RF
Anthracene	80.0	79.6	1.257E0	1.25E0	-0.549	±30	Average RF
Benz(a)anthracene	80.0	77.8	1.358E0	1.32E0	-2.782	±30	Average RF
Benzidine	80.0	82.3	9.386E-1	9.658E-1	2.90	±30	Average RF
Benzo(a)pyrene	80.0	83.0	1.145E0	1.187E0	3.73	±30	Average RF
Benzo(b)fluoranthene	80.0	79.4	1.331E0	1.321E0	-0.775	±30	Average RF

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Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Benzo(g,h,i)perylene	80.0	92.7	9.676E-1	1.122E0	15.93	±30	Average RF
Benzo(k)fluoranthene	80.0	81.4	1.261E0	1.282E0	1.70	±30	Average RF
Benzyl Alcohol	80.0	83.9	1.04E0	1.091E0	4.93	±30	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	99.1	1.3E0	1.61E0	23.85	±30	Average RF
Bis(2-chloroethoxy)methane	80.0	86.3	3.995E-1	4.312E-1	7.92	±30	Average RF
Bis(2-chloroethyl) Ether	80.0	80.8	1.353E0	1.367E0	1.06	±30	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	78.5	1.121E0	1.1E0	-1.923	±30	Average RF
Butyl Benzyl Phthalate	80.0	79.2	8.149E-1	8.072E-1	-0.939	±30	Average RF
Carbazole	32.0	33.3	1.235E0	1.285E0	4.10	±30	Average RF
Chrysene	80.0	82.6	1.25E0	1.291E0	3.30	±30	Average RF
Di-n-butyl Phthalate	80.0	79.0	1.596E0	1.577E0	-1.190	±30	Average RF
Di-n-octyl Phthalate	80.0	76.5	1.898E0	1.816E0	-4.363	±30	Average RF
Dibenz(a,h)anthracene	80.0	79.3	1.176E0	1.167E0	-0.816	±30	Average RF
Dibenzofuran	80.0	80.6	1.762E0	1.774E0	0.688	±30	Average RF
Diethyl Phthalate	80.0	72.5	1.483E0	1.344E0	-9.403	±30	Average RF
Dimethyl Phthalate	80.0	72.7	1.497E0	1.361E0	-9.126	±30	Average RF
Fluoranthene	80.0	81.6	1.295E0	1.321E0	2.01	±30	Average RF
Fluorene	80.0	77.8	1.449E0	1.409E0	-2.776	±30	Average RF
Hexachlorobenzene	80.0	76.3	2.352E-1	2.245E-1	-4.570	±30	Average RF
Hexachlorobutadiene	80.0	80.5	1.607E-1	1.616E-1	0.569	±30	Average RF
Hexachlorocyclopentadiene	80.0	83.5	2.398E-1	2.903E-1	4.43	±30	Quadratic
Hexachloroethane	80.0	80.6	6.295E-1	6.34E-1	0.713	±30	Average RF
Indeno(1,2,3-cd)pyrene	80.0	80.5	1.123E0	1.13E0	0.648	±30	Average RF
Isophorone	80.0	72.0	6.795E-1	6.114E-1	-10.033	±30	Average RF
N-Nitrosodi-n-propylamine	32.0	33.1	1.044E0	1.08E0	3.43	±30	Average RF
N-Nitrosodimethylamine	32.0	27.7	9.338E-1	8.086E-1	-13.408	±30	Average RF
N-Nitrosodiphenylamine	64.0	65.2	7.068E-1	7.196E-1	1.80	±30	Average RF
Naphthalene	80.0	84.1	1.102E0	1.159E0	5.09	±30	Average RF
Nitrobenzene	80.0	78.0	4.077E-1	3.975E-1	-2.510	±30	Average RF
Pentachlorophenol (PCP)	80.0	82.5	7.666E-2	8.985E-2	3.07	±30	Quadratic
Phenanthrene	80.0	78.8	1.265E0	1.247E0	-1.456	±30	Average RF
Phenol	80.0	77.0	1.955E0	1.883E0	-3.690	±30	Average RF
Pyrene	80.0	82.1	1.469E0	1.507E0	2.57	±30	Average RF

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Service Request: R1903956
Calibration Date: 4/30/2019

**Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS**

Calibration ID: RC1900050
Instrument ID: R-MS-51

Signal ID: 1

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	77.2	1.638E-1	1.582E-1	-3.438	±30	Average RF
2-Fluorobiphenyl	80.0	76.6	1.521E0	1.456E0	-4.259	±30	Average RF
2-Fluorophenol	80.0	77.0	1.455E0	1.399E0	-3.810	±30	Average RF
Nitrobenzene-d5	80.0	76.0	4.059E-1	3.857E-1	-4.978	±30	Average RF
Phenol-d6	80.0	79.6	1.787E0	1.778E0	-0.501	±30	Average RF
p-Terphenyl-d14	80.0	79.5	9.423E-1	9.366E-1	-0.605	±30	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/07/19 11:50

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\050719\DR944.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 634532
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4-Trichlorobenzene	80.0	82.9	0.3172	0.3286	3.6	NA	±20	Average RF
1,2-Diphenylhydrazine	80.0	78.9	0.892	0.8798	-1.4	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	79.4	0.4011	0.3979	-0.8	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	83.0	0.3729	0.387	3.8	NA	±20	Average RF
2,4-Dichlorophenol	80.0	83.4	0.3009	0.3136	4.2	NA	±20	Average RF
2,4-Dimethylphenol	80.0	86.3	0.3798	0.4097	7.9	NA	±20	Average RF
2,4-Dinitrophenol	80.0	96.3	0.117	0.1676	NA	20.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	81.0	0.449	0.4546	1.3	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	77.4	0.3399	0.3288	-3.3	NA	±20	Average RF
2-Chloronaphthalene	80.0	75.9	1.2807	1.2146	-5.2	NA	±20	Average RF
2-Chlorophenol	80.0	77.6	1.5356	1.4888	-3.0	NA	±20	Average RF
2-Methylnaphthalene	80.0	78.9	0.7135	0.7041	-1.3	NA	±20	Average RF
2-Methylphenol	80.0	77.8	1.3778	1.3404	-2.7	NA	±20	Average RF
2-Nitroaniline	80.0	81.8	0.3661	0.3742	2.2	NA	±20	Average RF
2-Nitrophenol	80.0	81.8	0.2109	0.2156	2.2	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	77.5	0.5321	0.5154	-3.1	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	79.7	1.559	1.5533	-0.4	NA	±20	Average RF
3-Nitroaniline	80.0	77.5	0.3908	0.3788	-3.1	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	85.2	0.1542	0.1643	6.5	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	75.9	0.2092	0.1985	-5.1	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	81.6	0.3005	0.3066	2.0	NA	±20	Average RF
4-Chloroaniline	80.0	79.2	0.4613	0.4568	-1.0	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	81.3	0.5845	0.5944	1.7	NA	±20	Average RF
4-Nitroaniline	80.0	78.7	0.3855	0.3793	-1.6	NA	±20	Average RF
4-Nitrophenol	80.0	94.4	0.2564	0.3024	18.0	NA	±20	Average RF
Acenaphthene	80.0	78.1	1.427	1.3936	-2.3	NA	±20	Average RF
Acenaphthylene	80.0	78.1	2.0514	2.0031	-2.4	NA	±20	Average RF
Anthracene	80.0	77.3	1.2569	1.2152	-3.3	NA	±20	Average RF
Benz(a)anthracene	80.0	77.5	1.3582	1.3158	-3.1	NA	±20	Average RF
Benzidine	80.0	76.7	0.9386	0.8995	-4.2	NA	±20	Average RF
Benzo(a)pyrene	80.0	82.2	1.1447	1.1769	2.8	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	80.9	1.3311	1.3467	1.2	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	78.1	0.9676	0.9448	-2.3	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	81.2	1.2607	1.2794	1.5	NA	±20	Average RF
Benzyl Alcohol	80.0	88.8	1.04	1.1541	11.0	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	87.4	1.2997	1.4206	9.3	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	84.0	0.3995	0.4195	5.0	NA	±20	Average RF
Bis(2-chloroethyl) Ether	80.0	77.3	1.3526	1.3063	-3.4	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	75.5	1.1213	1.0581	-5.6	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/07/19 11:50

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\050719\DR944.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 634532
Units: ppm

Butyl Benzyl Phthalate	80.0	77.9	0.8149	0.7938	-2.6	NA	±20	Average RF
Carbazole	80.0	77.5	1.2346	1.1957	-3.2	NA	±20	Average RF
Chrysene	80.0	77.3	1.2495	1.2078	-3.3	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	79.5	1.5958	1.586	-0.6	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	78.4	1.8983	1.8601	-2.0	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	79.4	1.1763	1.1669	-0.8	NA	±20	Average RF
Dibenzofuran	80.0	78.8	1.7622	1.7365	-1.5	NA	±20	Average RF
Diethyl Phthalate	80.0	79.0	1.4829	1.4649	-1.2	NA	±20	Average RF
Dimethyl Phthalate	80.0	72.7	1.4974	1.3605	-9.1	NA	±20	Average RF
Fluoranthene	80.0	80.6	1.2951	1.3043	0.7	NA	±20	Average RF
Fluorene	80.0	76.7	1.4489	1.3887	-4.2	NA	±20	Average RF
Hexachlorobenzene	80.0	77.8	0.2352	0.2288	-2.7	NA	±20	Average RF
Hexachlorobutadiene	80.0	85.5	0.1607	0.1717	6.8	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	84.5	0.2398	0.2941	NA	5.6	±20	Quadratic
Hexachloroethane	80.0	78.8	0.6295	0.6201	-1.5	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	78.7	1.1226	1.1042	-1.6	NA	±20	Average RF
Isophorone	80.0	84.6	0.6795	0.719	5.8	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	82.4	1.0443	1.0762	3.0	NA	±20	Average RF
N-Nitrosodimethylamine	80.0	85.8	0.9338	1.0015	7.3	NA	±20	Average RF
N-Nitrosodiphenylamine	160	151	0.7068	0.6675	-5.6	NA	±20	Average RF
Naphthalene	80.0	78.6	1.1024	1.0832	-1.7	NA	±20	Average RF
Nitrobenzene	80.0	82.9	0.4077	0.4224	3.6	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	102	0.0767	0.1166	NA	27.2*	±20	Quadratic
Phenanthrene	80.0	75.8	1.265	1.1988	-5.2	NA	±20	Average RF
Phenol	80.0	80.8	1.9549	1.9746	1.0	NA	±20	Average RF
Pyrene	80.0	79.9	1.4688	1.4678	-0.1	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	86.3	0.1638	0.1766	7.8	NA	±20	Average RF
2-Fluorobiphenyl	80.0	77.0	1.521	1.4639	-3.8	NA	±20	Average RF
2-Fluorophenol	80.0	77.0	1.4549	1.3995	-3.8	NA	±20	Average RF
Nitrobenzene-d5	80.0	82.3	0.4059	0.4177	2.9	NA	±20	Average RF
Phenol-d6	80.0	79.7	1.7875	1.7808	-0.4	NA	±20	Average RF
p-Terphenyl-d14	80.0	80.4	0.9423	0.9466	0.5	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/13/19 08:41

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635338
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4-Trichlorobenzene	80.0	79.8	0.3172	0.3165	-0.2	NA	±20	Average RF
1,2-Diphenylhydrazine	80.0	78.5	0.892	0.8757	-1.8	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	83.3	0.4011	0.4177	4.1	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	85.9	0.3729	0.4002	7.3	NA	±20	Average RF
2,4-Dichlorophenol	80.0	79.3	0.3009	0.2981	-0.9	NA	±20	Average RF
2,4-Dimethylphenol	80.0	81.2	0.3798	0.3854	1.5	NA	±20	Average RF
2,4-Dinitrophenol	80.0	90.7	0.117	0.1546	NA	13.3	±20	Quadratic
2,4-Dinitrotoluene	80.0	81.7	0.449	0.4583	2.1	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	78.1	0.3399	0.3319	-2.4	NA	±20	Average RF
2-Chloronaphthalene	80.0	78.2	1.2807	1.2514	-2.3	NA	±20	Average RF
2-Chlorophenol	80.0	79.8	1.5356	1.5325	-0.2	NA	±20	Average RF
2-Methylnaphthalene	80.0	75.9	0.7135	0.677	-5.1	NA	±20	Average RF
2-Methylphenol	80.0	79.1	1.3778	1.3617	-1.2	NA	±20	Average RF
2-Nitroaniline	80.0	80.2	0.3661	0.367	0.2	NA	±20	Average RF
2-Nitrophenol	80.0	80.4	0.2109	0.212	0.5	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	76.9	0.5321	0.5114	-3.9	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	79.5	1.559	1.5501	-0.6	NA	±20	Average RF
3-Nitroaniline	80.0	78.0	0.3908	0.381	-2.5	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	87.5	0.1542	0.1686	9.3	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	78.0	0.2092	0.2038	-2.5	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	79.4	0.3005	0.2984	-0.7	NA	±20	Average RF
4-Chloroaniline	80.0	77.2	0.4613	0.4452	-3.5	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	82.0	0.5845	0.5995	2.6	NA	±20	Average RF
4-Nitroaniline	80.0	81.2	0.3855	0.3913	1.5	NA	±20	Average RF
4-Nitrophenol	80.0	90.7	0.2564	0.2906	13.3	NA	±20	Average RF
Acenaphthene	80.0	78.4	1.427	1.3985	-2.0	NA	±20	Average RF
Acenaphthylene	80.0	78.9	2.0514	2.0223	-1.4	NA	±20	Average RF
Anthracene	80.0	78.8	1.2569	1.2382	-1.5	NA	±20	Average RF
Benz(a)anthracene	80.0	78.6	1.3582	1.3346	-1.7	NA	±20	Average RF
Benzidine	80.0	74.1	0.9386	0.8694	-7.4	NA	±20	Average RF
Benzo(a)pyrene	80.0	81.4	1.1447	1.1644	1.7	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	81.0	1.3311	1.3475	1.2	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	82.2	0.9676	0.9946	2.8	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	80.1	1.2607	1.2624	0.1	NA	±20	Average RF
Benzyl Alcohol	80.0	81.5	1.04	1.0589	1.8	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	83.3	1.2997	1.3537	4.2	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	80.1	0.3995	0.3998	0.1	NA	±20	Average RF
Bis(2-chloroethyl) Ether	80.0	79.2	1.3526	1.3396	-1.0	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	79.9	1.1213	1.12	-0.1	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/13/19 08:41

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\051319\DS002.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635338
Units: ppm

Butyl Benzyl Phthalate	80.0	80.2	0.8149	0.8165	0.2	NA	±20	Average RF
Carbazole	80.0	78.8	1.2346	1.2156	-1.5	NA	±20	Average RF
Chrysene	80.0	79.5	1.2495	1.2417	-0.6	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	81.0	1.5958	1.6162	1.3	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	79.9	1.8983	1.8965	-0.1	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	82.7	1.1763	1.2163	3.4	NA	±20	Average RF
Dibenzofuran	80.0	78.8	1.7622	1.7349	-1.6	NA	±20	Average RF
Diethyl Phthalate	80.0	79.0	1.4829	1.4636	-1.3	NA	±20	Average RF
Dimethyl Phthalate	80.0	74.6	1.4974	1.3972	-6.7	NA	±20	Average RF
Fluoranthene	80.0	81.4	1.2951	1.3185	1.8	NA	±20	Average RF
Fluorene	80.0	77.4	1.4489	1.4012	-3.3	NA	±20	Average RF
Hexachlorobenzene	80.0	81.6	0.2352	0.24	2.1	NA	±20	Average RF
Hexachlorobutadiene	80.0	80.6	0.1607	0.1619	0.7	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	81.1	0.2398	0.2802	NA	1.3	±20	Quadratic
Hexachloroethane	80.0	78.2	0.6295	0.615	-2.3	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	83.8	1.1226	1.1765	4.8	NA	±20	Average RF
Isophorone	80.0	80.7	0.6795	0.6857	0.9	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	82.0	1.0443	1.0702	2.5	NA	±20	Average RF
N-Nitrosodimethylamine	80.0	84.8	0.9338	0.9897	6.0	NA	±20	Average RF
N-Nitrosodiphenylamine	160	155	0.7068	0.6856	-3.0	NA	±20	Average RF
Naphthalene	80.0	75.2	1.1024	1.0363	-6.0	NA	±20	Average RF
Nitrobenzene	80.0	77.9	0.4077	0.3969	-2.6	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	108	0.0767	0.1249	NA	34.4*	±20	Quadratic
Phenanthrene	80.0	76.8	1.265	1.2147	-4.0	NA	±20	Average RF
Phenol	80.0	80.7	1.9549	1.9728	0.9	NA	±20	Average RF
Pyrene	80.0	82.3	1.4688	1.5106	2.8	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	88.5	0.1638	0.1812	10.6	NA	±20	Average RF
2-Fluorobiphenyl	80.0	77.5	1.521	1.4739	-3.1	NA	±20	Average RF
2-Fluorophenol	80.0	78.9	1.4549	1.4341	-1.4	NA	±20	Average RF
Nitrobenzene-d5	80.0	78.5	0.4059	0.3984	-1.8	NA	±20	Average RF
Phenol-d6	80.0	80.5	1.7875	1.799	0.6	NA	±20	Average RF
p-Terphenyl-d14	80.0	83.0	0.9423	0.9772	3.7	NA	±20	Average RF

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/15/19 07:30

Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\051519\DS025.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635364
Units: ppm

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
1,2,4-Trichlorobenzene	80.0	77.6	0.3172	0.3079	-3.0	NA	±20	Average RF
1,2-Diphenylhydrazine	80.0	72.4	0.892	0.8075	-9.5	NA	±20	Average RF
2,4,5-Trichlorophenol	80.0	83.0	0.4011	0.4159	3.7	NA	±20	Average RF
2,4,6-Trichlorophenol	80.0	82.9	0.3729	0.3865	3.7	NA	±20	Average RF
2,4-Dichlorophenol	80.0	80.2	0.3009	0.3015	0.2	NA	±20	Average RF
2,4-Dimethylphenol	80.0	78.7	0.3798	0.3737	-1.6	NA	±20	Average RF
2,4-Dinitrophenol	80.0	98.3	0.117	0.1725	NA	22.9*	±20	Quadratic
2,4-Dinitrotoluene	80.0	80.4	0.449	0.4512	0.5	NA	±20	Average RF
2,6-Dinitrotoluene	80.0	79.1	0.3399	0.3359	-1.2	NA	±20	Average RF
2-Chloronaphthalene	80.0	76.9	1.2807	1.2314	-3.9	NA	±20	Average RF
2-Chlorophenol	80.0	81.1	1.5356	1.5559	1.3	NA	±20	Average RF
2-Methylnaphthalene	80.0	76.9	0.7135	0.6855	-3.9	NA	±20	Average RF
2-Methylphenol	80.0	79.0	1.3778	1.3604	-1.3	NA	±20	Average RF
2-Nitroaniline	80.0	76.1	0.3661	0.3483	-4.9	NA	±20	Average RF
2-Nitrophenol	80.0	79.3	0.2109	0.2092	-0.8	NA	±20	Average RF
3,3'-Dichlorobenzidine	80.0	76.0	0.5321	0.5052	-5.1	NA	±20	Average RF
3- and 4-Methylphenol Coelution	80.0	80.2	1.559	1.5632	0.3	NA	±20	Average RF
3-Nitroaniline	80.0	79.1	0.3908	0.3862	-1.2	NA	±20	Average RF
4,6-Dinitro-2-methylphenol	80.0	90.3	0.1542	0.1741	12.9	NA	±20	Average RF
4-Bromophenyl Phenyl Ether	80.0	76.9	0.2092	0.2012	-3.8	NA	±20	Average RF
4-Chloro-3-methylphenol	80.0	80.2	0.3005	0.3013	0.3	NA	±20	Average RF
4-Chloroaniline	80.0	77.8	0.4613	0.4488	-2.7	NA	±20	Average RF
4-Chlorophenyl Phenyl Ether	80.0	79.0	0.5845	0.5774	-1.2	NA	±20	Average RF
4-Nitroaniline	80.0	80.1	0.3855	0.386	0.1	NA	±20	Average RF
4-Nitrophenol	80.0	82.7	0.2564	0.2649	3.3	NA	±20	Average RF
Acenaphthene	80.0	77.7	1.427	1.3856	-2.9	NA	±20	Average RF
Acenaphthylene	80.0	77.8	2.0514	1.9945	-2.8	NA	±20	Average RF
Anthracene	80.0	78.0	1.2569	1.2249	-2.5	NA	±20	Average RF
Benz(a)anthracene	80.0	76.8	1.3582	1.3042	-4.0	NA	±20	Average RF
Benzidine	80.0	74.2	0.9386	0.8701	-7.3	NA	±20	Average RF
Benzo(a)pyrene	80.0	81.6	1.1447	1.168	2.0	NA	±20	Average RF
Benzo(b)fluoranthene	80.0	79.1	1.3311	1.3168	-1.1	NA	±20	Average RF
Benzo(g,h,i)perylene	80.0	79.9	0.9676	0.966	-0.2	NA	±20	Average RF
Benzo(k)fluoranthene	80.0	79.5	1.2607	1.2536	-0.6	NA	±20	Average RF
Benzyl Alcohol	80.0	81.3	1.04	1.0565	1.6	NA	±20	Average RF
2,2'-Oxybis(1-chloropropane)	80.0	76.7	1.2997	1.2468	-4.1	NA	±20	Average RF
Bis(2-chloroethoxy)methane	80.0	79.2	0.3995	0.3955	-1.0	NA	±20	Average RF
Bis(2-chloroethyl) Ether	80.0	76.7	1.3526	1.2975	-4.1	NA	±20	Average RF
Bis(2-ethylhexyl) Phthalate	80.0	78.7	1.1213	1.103	-1.6	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request: R1903956
Date Analyzed: 05/15/19 07:30

**Continuing Calibration Verification (CCV) Summary
Semivolatile Organic Compounds by GC/MS**

Analysis Method: 625.1
File ID: I:\ACQUADATA\5973A\DATA\051519\DS025.D\
Signal ID: 1

Calibration Date: 4/30/2019
Calibration ID: RC1900050
Analysis Lot: 635364
Units: ppm

Butyl Benzyl Phthalate	80.0	78.1	0.8149	0.7951	-2.4	NA	±20	Average RF
Carbazole	80.0	79.2	1.2346	1.2222	-1.0	NA	±20	Average RF
Chrysene	80.0	76.4	1.2495	1.1938	-4.5	NA	±20	Average RF
Di-n-butyl Phthalate	80.0	81.8	1.5958	1.6317	2.3	NA	±20	Average RF
Di-n-octyl Phthalate	80.0	81.6	1.8983	1.936	2.0	NA	±20	Average RF
Dibenz(a,h)anthracene	80.0	80.2	1.1763	1.1796	0.3	NA	±20	Average RF
Dibenzofuran	80.0	78.1	1.7622	1.7207	-2.4	NA	±20	Average RF
Diethyl Phthalate	80.0	78.5	1.4829	1.4549	-1.9	NA	±20	Average RF
Dimethyl Phthalate	80.0	74.5	1.4974	1.3946	-6.9	NA	±20	Average RF
Fluoranthene	80.0	80.9	1.2951	1.3095	1.1	NA	±20	Average RF
Fluorene	80.0	76.5	1.4489	1.386	-4.3	NA	±20	Average RF
Hexachlorobenzene	80.0	79.6	0.2352	0.2342	-0.4	NA	±20	Average RF
Hexachlorobutadiene	80.0	77.8	0.1607	0.1563	-2.8	NA	±20	Average RF
Hexachlorocyclopentadiene	80.0	74.6	0.2398	0.2543	NA	-6.8	±20	Quadratic
Hexachloroethane	80.0	79.0	0.6295	0.6219	-1.2	NA	±20	Average RF
Indeno(1,2,3-cd)pyrene	80.0	80.5	1.1226	1.1299	0.7	NA	±20	Average RF
Isophorone	80.0	77.0	0.6795	0.6543	-3.7	NA	±20	Average RF
N-Nitrosodi-n-propylamine	80.0	78.3	1.0443	1.0219	-2.1	NA	±20	Average RF
N-Nitrosodimethylamine	80.0	80.7	0.9338	0.9417	0.8	NA	±20	Average RF
N-Nitrosodiphenylamine	160	153	0.7068	0.6769	-4.2	NA	±20	Average RF
Naphthalene	80.0	75.2	1.1024	1.0363	-6.0	NA	±20	Average RF
Nitrobenzene	80.0	73.0	0.4077	0.3721	-8.7	NA	±20	Average RF
Pentachlorophenol (PCP)	80.0	111	0.0767	0.1306	NA	39.2*	±20	Quadratic
Phenanthrene	80.0	77.5	1.265	1.2261	-3.1	NA	±20	Average RF
Phenol	80.0	81.5	1.9549	1.9927	1.9	NA	±20	Average RF
Pyrene	80.0	78.9	1.4688	1.4491	-1.3	NA	±20	Average RF

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
2,4,6-Tribromophenol	80.0	85.8	0.1638	0.1758	7.3	NA	±20	Average RF
2-Fluorobiphenyl	80.0	76.9	1.521	1.4626	-3.8	NA	±20	Average RF
2-Fluorophenol	80.0	79.0	1.4549	1.4359	-1.3	NA	±20	Average RF
Nitrobenzene-d5	80.0	73.5	0.4059	0.373	-8.1	NA	±20	Average RF
Phenol-d6	80.0	81.3	1.7875	1.8165	1.6	NA	±20	Average RF
p-Terphenyl-d14	80.0	81.0	0.9423	0.9543	1.3	NA	±20	Average RF

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634532
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\050719\DR943.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	11:30:00	
I:\ACQUDATA\5973A\DATA\050719\DR943.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	11:30:00	
I:\ACQUDATA\5973A\DATA\050719\DR944.D\	Continuing Calibration Verification	RQ1904308-02	5/7/2019	11:50:00	
I:\ACQUDATA\5973A\DATA\050719\DR944.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	11:50:00	
I:\ACQUDATA\5973A\DATA\050719\DR946.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	12:48:00	
I:\ACQUDATA\5973A\DATA\050719\DR947.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:17:00	
I:\ACQUDATA\5973A\DATA\050719\DR948.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	13:46:00	
I:\ACQUDATA\5973A\DATA\050719\DR949.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:14:00	
I:\ACQUDATA\5973A\DATA\050719\DR950.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	14:44:00	
I:\ACQUDATA\5973A\DATA\050719\DR957.D\	Method Blank	RQ1904141-03	5/7/2019	18:08:00	
I:\ACQUDATA\5973A\DATA\050719\DR958.D\	Lab Control Sample	RQ1904141-04	5/7/2019	18:38:00	
I:\ACQUDATA\5973A\DATA\050719\DR959.D\	Duplicate Lab Control Sample	RQ1904141-05	5/7/2019	19:07:00	
I:\ACQUDATA\5973A\DATA\050719\DR960.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	19:36:00	
I:\ACQUDATA\5973A\DATA\050719\DR961.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:05:00	
I:\ACQUDATA\5973A\DATA\050719\DR962.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	20:34:00	
I:\ACQUDATA\5973A\DATA\050719\DR963.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:03:00	
I:\ACQUDATA\5973A\DATA\050719\DR964.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	21:31:00	
I:\ACQUDATA\5973A\DATA\050719\DR965.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:00:00	
I:\ACQUDATA\5973A\DATA\050719\DR966.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:28:00	
I:\ACQUDATA\5973A\DATA\050719\DR967.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	22:56:00	
I:\ACQUDATA\5973A\DATA\050719\DR968.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	23:24:00	
I:\ACQUDATA\5973A\DATA\050719\DR969.D\	ZZZZZZZ	ZZZZZZZ	5/7/2019	23:53:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:634532
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQU\DATA\5973A\DATA\050719\DR970.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	00:20:00	
I:\ACQU\DATA\5973A\DATA\050719\DR971.D\	ZZZZZZZ	ZZZZZZZ	5/8/2019	00:48:00	
I:\ACQU\DATA\5973A\DATA\050719\DR972.D\	IDW-2	R1903956-001	5/8/2019	01:16:00	

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:635338
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQUDATA\5973A\DATA\051319\DS001.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUDATA\5973A\DATA\051319\DS001.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:13:00	
I:\ACQUDATA\5973A\DATA\051319\DS002.D	Continuing Calibration Verification	RQ1904520-02	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319\DS002.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	08:41:00	
I:\ACQUDATA\5973A\DATA\051319\DS004.D	Method Blank	RQ1904334-01	5/13/2019	09:38:00	
I:\ACQUDATA\5973A\DATA\051319\DS004.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	09:38:00	
I:\ACQUDATA\5973A\DATA\051319\DS005.D	Lab Control Sample	RQ1904334-02	5/13/2019	10:07:00	
I:\ACQUDATA\5973A\DATA\051319\DS005.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:07:00	
I:\ACQUDATA\5973A\DATA\051319\DS006.D	Duplicate Lab Control Sample	RQ1904334-03	5/13/2019	10:36:00	
I:\ACQUDATA\5973A\DATA\051319\DS006.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	10:36:00	
I:\ACQUDATA\5973A\DATA\051319\DS007.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	11:05:00	
I:\ACQUDATA\5973A\DATA\051319\DS009.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:06:00	
I:\ACQUDATA\5973A\DATA\051319\DS010.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	12:36:00	
I:\ACQUDATA\5973A\DATA\051319\DS011.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:06:00	
I:\ACQUDATA\5973A\DATA\051319\DS012.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	13:35:00	
I:\ACQUDATA\5973A\DATA\051319\DS013.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:04:00	
I:\ACQUDATA\5973A\DATA\051319\DS014.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	14:34:00	
I:\ACQUDATA\5973A\DATA\051319\DS015.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	15:21:00	
I:\ACQUDATA\5973A\DATA\051319\DS016.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	15:51:00	
I:\ACQUDATA\5973A\DATA\051319\DS017.D	ZZZZZZZ	ZZZZZZZ	5/13/2019	16:20:00	

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19

Service Request:R1903956

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analysis Method:

Analysis Lot:635364
Instrument ID:R-MS-51

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
I:\ACQU\DATA\5973A\DATA\051519\DS024.D	ZZZZZZZ	ZZZZZZZ	5/15/2019	06:55:00	
I:\ACQU\DATA\5973A\DATA\051519\DS025.D	Continuing Calibration Verification	RQ1904605-02	5/15/2019	07:30:00	
I:\ACQU\DATA\5973A\DATA\051519\DS026.D	ZZZZZZZ	ZZZZZZZ	5/15/2019	07:59:00	
I:\ACQU\DATA\5973A\DATA\051519\DS027.D	ZZZZZZZ	ZZZZZZZ	5/15/2019	08:27:00	
I:\ACQU\DATA\5973A\DATA\051519\DS028.D	ZZZZZZZ	ZZZZZZZ	5/15/2019	08:56:00	
I:\ACQU\DATA\5973A\DATA\051519\DS029.D	ZZZZZZZ	ZZZZZZZ	5/15/2019	09:25:00	
I:\ACQU\DATA\5973A\DATA\051519\DS030.D	IDW-2	R1903956-001	5/15/2019	09:54:00	

Analysis: 8270/625
 Date: 5/7/19
 Syringes: _____

Analyst: PMsiu@rewicr
 Instr. 5973A R-MS-51

Run Method: 8270A/True
 Quant Method: 8270 043019A.N
 LIMS Run#: 634532

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			DR942	-	
2	Tune		198691	43	Y	
3	CEV		199193	44	Y	
4	CEV Hexa		199198	45	Y	
5	RQ1904100-01		335901	46	Y	
6	MDL 1 - 90 ppm		(50.1)	47	Y	
7	↓ 10 ppm		↓	48	Y	
8	R1903921-001			49	Y	
9	R1903830-001	5.0		50	Y	Surr b large NT
10	RQ1904145-01	Blk		51	(N)	
11	MDL 1 - 1 ppm			52	↓	
12	↓ 2			53	↓	
13	↓ 10			54	↓	
14	MDL 2 - 1 ppm	MDL 2 - 10		55	↓	
15	↓ 2	MDL 3 - 10		56	↓	
16	RQ1904111-03	Blk	335966	57	Y	
17	↓ 04	LCS	(8270625)	58	Y	
18	↓ 05	LCS D		59	Y	
19	R1903749-002			60	Y	
20	R1903529-001			61	Y	
21	R1903990-002			62	Y	
22	↓ 003			63	Y	
23	↓ 004			64	Y	
24	↓ 005			65	Y	
25	RQ1904141-06			66	Y	
26	↓ 07			67	Y	
27	R1903990-000			68	Y	
28	R1903992-001			69	Y	(625)
29	R1903992-001			70	Y	
30	R1903949-001			71	Y	
31	R1903956-001	10		72	Y	Surr b ↓

my 5/7/19

PM 5/7/19

All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

Runlog GCEXT r2 4/27/17

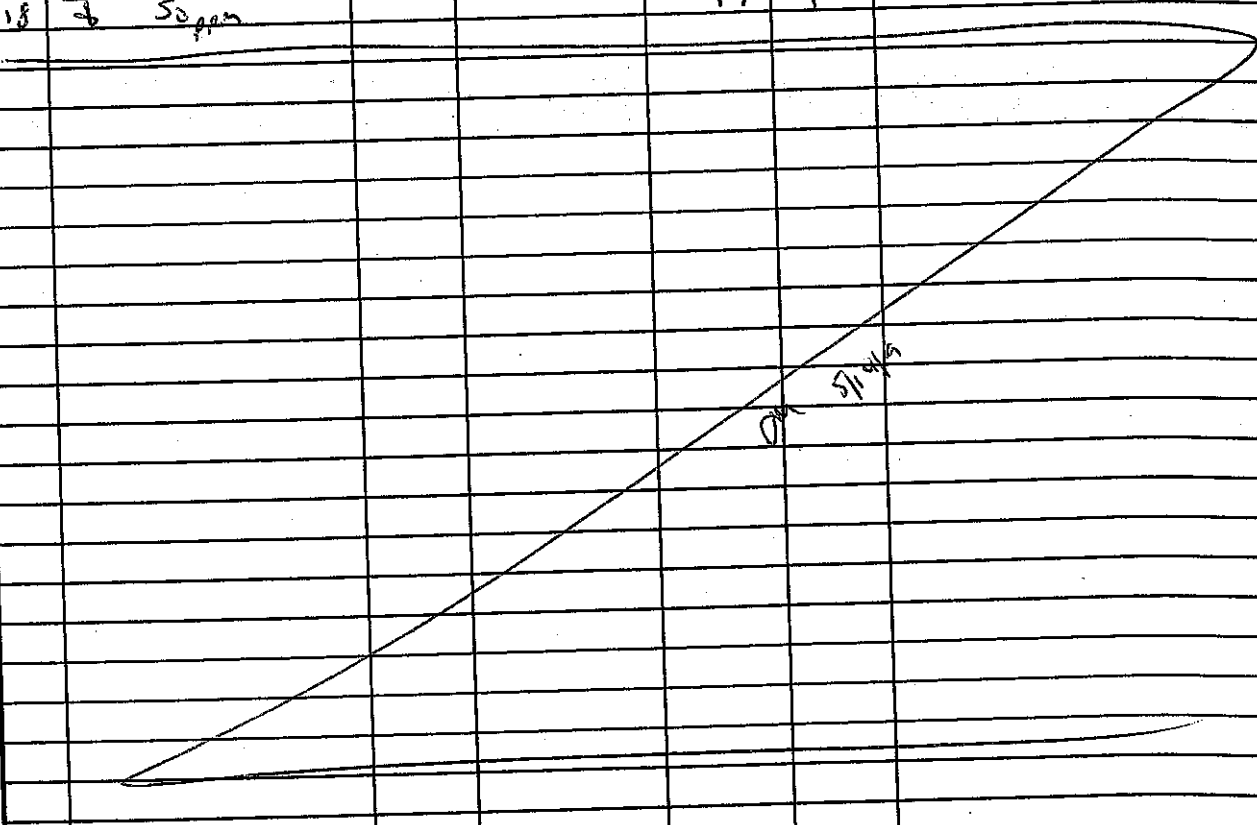
O-1002 Page 56

Analysis: 5270/625
 Date: 5/13/19
 Syringes: _____

Analyst: Misiorzwa
 Instr. 5973A R-MS-51

Run Method: 8710A-TV.L
 Quant Method: 870043419A.M
 LIMS Run#: 635338

Pos.	Sample	Diln.	Stds. ID	File#	OK?	Comments
1	Blk			DR995	—	
1	Blk			99	—	
2	Tune		199257	DS001	Y	
3	CCU		199358	02	Y	
4	CCU		199198	03	N	
5	RQ1904334-01	Blk	336273 330	04	Y	RQ1904365-01
6	↓ 02	LC5		05	Y	↓ 02
7	↓ 03	LC5P		06	Y	↓ 03
8	R1903830-001	5.0	336273	07	Y	
9	R1913956-001	10		08	(N)	ART Y20
10	R1904009-001	5.0		09	Y	Large NIS
11	↓ 02	5.0		10	Y	↓
12	R1903839-002		336330	11	Y	
13	R1903897-001			12	Y	
14	R1903955-001			13	Y	
15	RQ1904325-01			14	Y	
16	RQ1904142-01	Blk	335967 (Solv)	15	Y	
17	MOL 10ppm			16	Y	
18	↓ 50ppm			17	Y	



All samples = _____ mL + _____ uL Combined IS/Surr.;

Primary: _____ exp: _____
 Primary: _____ exp: _____
 Reagents: _____

Secondary: _____ exp: _____
 Secondary: _____ exp: _____

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request:R1903956

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3510C
Analytical Method: 625.1

Extraction Lot: 335966
Extraction Date: 05/06/19 07:34

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-2	R1903956-001	5/1/19	5/2/19	1025.0000	1 mL	
Method Blank	RQ1904141-03MB	NA	NA	1000 mL	1 mL	
Lab Control Sample	RQ1904141-04LCS	NA	NA	1000 mL	1 mL	
Duplicate Lab Control Sample	RQ1904141-05DLCS	NA	NA	1000 mL	1 mL	

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Day Environmental, Inc.
Project: 24 York St/5597S-19
Sample Matrix: Water

Service Request:R1903956

Semivolatile Organic Compounds by GC/MS

Prep Method: EPA 3510C
Analytical Method: 625.1

Extraction Lot: 336273
Extraction Date: 05/09/19 07:43

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
IDW-2	R1903956-001	5/1/19	5/2/19	1060.0000	1 mL	
Method Blank	RQ1904334-01MB	NA	NA	1000 mL	1 mL	
Lab Control Sample	RQ1904334-02LCS	NA	NA	1000 mL	1 mL	
Duplicate Lab Control Sample	RQ1904334-03DLCS	NA	NA	1000 mL	1 mL	

Preparation Information Benchsheet

Prep Run#: 335966
 Team: Semvoa GCMS/VSTALUFFER

Prep Workflow: OrgExtAq(7)
 Prep Method: EPA.3510C

Status: Prepped
 Prep Date/Time: 5/6/19 07:34

#	Lab Code	Client ID	#	Amt. Ext.	Method / Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	Spike Amt./Inv. ID	Comments
1	RQ1904141-03	MB		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546	
2	RQ1904141-03	MB		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546	
3	RQ1904141-04	LCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198761; 0.5000 mL/198761; 1.0000 mL/198874; 0.5000 mL/198943	
4	RQ1904141-04	LCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198761; 1.0000 mL/198874; 0.5000 mL/198761; 0.5000 mL/198546	
5	RQ1904141-05	DLCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546; 1.0000 mL/198874; 0.5000 mL/198761; 0.5000 mL/198943	
6	RQ1904141-05	DLCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	1.0000 mL/198874; 0.5000 mL/198546; 0.5000 mL/198761; 0.5000 mL/198943	
7	R1903749-002RE	MW-3	.02	1060mL	8270D/SVO	7	x	x	1.00mL	yellow	0.5000 mL/198546	
8	R1903829-021	828133-GW14010	.19	980mL	8270D/SVO	7	x	x	1.00mL	pale yellow	0.5000 mL/198546	
9	R1903942-001	Effluent 24 Hour Composite Outfall	.05	1060mL	625/SVO	8	x	x	1.00mL	pale yellow	0.5000 mL/198546	
10	R1903949-001	Wastewater	.06	1060mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546	
11	R1903956-001	IDW-2	.01	1025mL	625/SVO	7	x	x	1.00mL	light brown	0.5000 mL/198546	
12	R1903990-002	OW412C-0419	.05	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
13	R1903990-003	OW630-0419	.04	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
14	R1903990-004	OW679-0419	.05	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
15	R1903990-005	OW683R-0419	.01	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
16	RQ1904141-06	R1903990-005 MS	.02	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	1.0000 mL/198874; 0.5000 mL/198761; 0.5000 mL/198943; 0.5000 mL/198546	
17	RQ1904141-07	R1903990-005 DMS	.14	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	1.0000 mL/198874; 0.5000 mL/198761; 0.5000 mL/198943; 0.5000 mL/198546	
18	R1903990-006	OW687-0419	.04	1060mL	8270D/SVO	7	x	x	1.00mL	white	0.5000 mL/198546	
19	R1903990-007	OW694-0419	.05	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
20	R1903990-008	OW808-0419	.05	1060mL	8270D/SVO	7	x	x	1.00mL	white	0.5000 mL/198546	
21	R1903990-009	OW967-0419	.05	1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
22	R1903992-001	BT	.01	1060mL	625/SVO	7	x	x	1.00mL	light brown	0.5000 mL/198546	
23	RQ1904141-02	MDLV		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	1.0000 mL/199134; 1.0000 mL/199133	
24	R1903827-033	MS A MDL 8270#2	.01	1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless		

Preparation Information Benchsheet

Prep Run#: 335966

Team: Semivoa GCMS/VSTAUFFER

Prep Workflow: OrgExtAq(7)

Prep Method: EPA 3510C

Status: Prepped

Prep Date/Time: 5/6/19 07:34

25FQ1904141-01	MDLV	1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546;
26R1903827-034	MSD MDL 8270 #2	.01	1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless
									1.0000 mL/199135;
									0.5000 mL/198874;
									1.0000 mL/199134
									0.5000 mL/198546

Spiking Solutions

Name: 8270 Soil Surrogate 100-200ppm Inventory ID 198546 Logbook Ref: Expires On: 10/09/2019

Name: OLM/SOM additional Spike 100ppm Inventory ID 198761 Logbook Ref: Expires On: 05/28/2019

Name: Benzidine LCS Spike 100ppm Inventory ID 198874 Logbook Ref: made in Acetone Expires On: 10/21/2019

Name: 8270 LCS-NSI Inventory ID 198943 Logbook Ref: Expires On: 10/31/2019 Lot #: 041619

Name: 8270/625 MDL Study Solution 10 ppm Inventory ID 199133 Logbook Ref: Expires On: 07/01/2019

Name: 8270/625 MDL Study Solution 50 ppm Inventory ID 199134 Logbook Ref: Trouble Expires On: 10/30/2019

Name: 8270/625 MDL Study Solution 50 ppm Inventory ID 199135 Logbook Ref: Expires On: 10/30/2019

Preparation Materials

Eppendorf Pipette Repeater EXT #18 (184837) Sulfuric Acid, 50% H2SO4 (198739) Dichloromethane (Methylene Chloride) 99.9% MeCl2 canister (198936)

Sodium Hydroxide 50% NaOH (198594) Prepared Sodium Sulfate Na2SO4 (198919) pH Paper 0-14 (198395)

Preparation Steps

Step: Extraction	Step: Concentration	Step: Final Volume
Started: 5/6/19 07:34	Started: 5/7/19 12:30	Started: 5/7/19 14:30
Finished: 5/6/19 16:17	Finished: 5/7/19 14:30	Finished: 5/7/19 15:00
By: VSTAUFFER	By: BALLGEIER	By: BALLGEIER
Comments	Comments	Comments

Comments:

Reviewed By: 

Date: 5/8/19

Spike Witness: JMISUREWICZ

Date:

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined Yes No

Preparation Information Benchsheet

Prep Run#: 336273
 Team: Semivoa GCMS/VSTAUFFER

Prep Workflow: OrgExtrAg(7)
 Prep Method: EPA 3510C

Status: Prepped
 Prep Date/Time: 5/9/19 07:43

#	Lab Code	Client ID	#	Amt. Ext.	Method /Test	pH	AE	BN	Final Vol	Sample Desc. (Initial/Final)	SpikeAmt./Inv. ID	Comments
1	RQ1904334-01	MB		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546	
2	RQ1904334-01	MB		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198546	
3	RQ1904334-02	LCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/199258; 0.5000 mL/198761; 0.5000 mL/198943	
4	RQ1904334-02	LCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	0.5000 mL/198761; 0.5000 mL/198943; 0.5000 mL/198546; 1.0000 mL/199258	
5	RQ1904334-03	DLCS		1000mL	625/SVO	7	x	x	1.00mL	clear/colorless	1.0000 mL/199258; 0.5000 mL/198546; 0.5000 mL/198943; 0.5000 mL/198761	
6	RQ1904334-03	DLCS		1000mL	8270D/SVO	7	x	x	1.00mL	clear/colorless	1.0000 mL/199258; 0.5000 mL/198546; 0.5000 mL/198761; 0.5000 mL/198943	
7	RI1903830-001RE	CCP 2019		930mL	625/SVO	7	x	x	1.00mL	dark grey	0.5000 mL/198546	
8	RI1903956-001RE	IDW-2		1060mL	625/SVO	6	x	x	1.00mL	light brown	0.5000 mL/198546	
9	RI1904009-001	OW634-0419		1060mL	8270D/SVO	7	x	x	1.00mL	light grey	0.5000 mL/198546	
10	RI1904009-002	OW643-0419		1060mL	8270D/SVO	7	x	x	1.00mL	dark grey	0.5000 mL/198546	

Spiking Solutions

Name: 8270 Soil Surrogate 100-200ppm Inventory ID: 198546 Logbook Ref: Expires On: 10/09/2019

Name: OLM/SOM additional Spike 100ppm Inventory ID: 198761 Logbook Ref: Expires On: 05/28/2019

Name: 8270 LCS-NSI Inventory ID: 198943 Logbook Ref: Expires On: 10/31/2019

Name: Benzidine LCS Spike 100ppm Inventory ID: 199258 Logbook Ref: Expires On: 11/05/2019

Preparation Materials

Eppendorf Pipette Repeater EXT #18 (184837) Sulfuric Acid, 50% H2SO4 (199179) Dichloromethane (Methylene Chloride) 99.9% MeCl2 canister (198936)

Sodium Hydroxide 50% NaOH (198594) pH Paper 0-14 (198395)

Prepared Sodium Sulfate Na2SO4 (199178)

Preparation Steps

Step: Extraction Started: 5/9/19 07:43 Step: Concentration Started: 5/10/19 08:45 Step: Final Volume Started: 5/10/19 11:50

Finished: 5/10/19 17:12 By: VSTAUFFER Finished: 5/10/19 11:50 By: BALLGEIER Finished: 5/10/19 12:20 By: BALLGEIER

Comments Comments Comments

Preparation Information Benchsheet

Prep Run#: 336273
Team: Semivoa GCMS/VSTAUFFER

Prep WorkFlow: OrgExtAg(7)
Prep Method: EPA 3510C

Status: Prepped
Prep Date/Time: 5/9/19 07:43

Comments:

Reviewed By:

[Signature]

Date:

5/13/19

Spike Witness: BALLGEIER

Date:

Chain of Custody

Relinquished By:

[Signature]

Date:

Received By:

Date:

Extracts Examined
Yes No

APPENDIX E

Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone

4. Waste Tracking Number **19-086T**

300-807-7455

5. Generator's Name and Mailing Address

**CITY OF ROCHESTER
30 CHURCH ST. RM 300B
ROCHESTER NY 14614**

Generator's Site Address (if different than mailing address)

**24-32 YORK STREET
ROCHESTER NY 14611**

Generator's Phone:

6. Transporter 1 Company Name

SUN ENVIRONMENTAL CORP.

U.S. EPA ID Number

NYR000176958

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**CYCLE CHEM. INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339**

U.S. EPA ID Number

PAD067098822

Facility's Phone: **717 938-4700**

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. **NON RCRA, NON DOT REGULATED SOLIDS (SOIL CUTTINGS)**

0 0 1

DM

00550

P

2. **NON RCRA, NON DOT REGULATED LIQUIDS (PURGEWATER)**

0 0 1

DM

00400

P

3.

4.

13. Special Handling Instructions and Additional Information

**JOB# DAYE.1019 SUN PO# R40535 SIGNED PROFILES ATTACHED
1. 75490-LD (55 GAL)
2. 75498-OW (55 GAL)**

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

SHERRIE A. LYNCH ON BEHALF OF GENERATOR

Signature

Sherrie A. Lynch

Month Day Year
06 14 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

RICHARD EVERAGE

Signature

Richard Everage

Month Day Year
06 14 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year